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NAS CECIL FIELD, FL
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SECOND QUARTER SECOND YEAR GROUNDWATER MONITORING LETTER REPORT FOR NORTH SOUTH APRON PLUME NAS CECIL FIELD FL

4/13/2007

TETRA TECH NUS INC

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Document Tracking Number 07JAX0003

April 13, 2007

Project Number 112GN4093

Mr. David Grabka
Remedial Project Manager
Technical Review/Federal Facilities
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Reference: CLEAN III Contract Number N62467-94-D-0888
Contract Task Order 0209

Subject: Groundwater Monitoring Report, 2nd Quarter, 2nd Year (November 2006)
North-South Apron Plume
Naval Air Station Cecil Field
Jacksonville, Florida

Dear Mr. Grabka:

Tetra Tech NUS, Inc. (TtNUS) is pleased to submit this Quarterly Groundwater Monitoring Report for the referenced Contract Task Order for the North-South Apron Plume. This Groundwater Monitoring Report was prepared for the United States Navy, Naval Facilities Engineering Command Southeast (NAVFAC SE) under the Comprehensive Long-term Environmental Action Navy (CLEAN) III Contract Number N62467-94-D-0888.

The primary objective of this effort is to monitor groundwater associated with the intermediate and deep zones of the shallow surficial aquifer at this site quarterly. The sampling program was accomplished in general accordance with the Natural Attenuation Monitoring Plan Approval Order issued by the Florida Department of Environmental Protection (FDEP) on October 21, 2005, based on Chapter 62-770.690, Florida Administrative Code (FAC) (see Attachment A). This report summarizes the field operations and analytical results for the subject site for the sampling event conducted on November 22, 2006. Figure 1 shows the location of the site.

FIELD OPERATIONS

Field operations were performed in general accordance with FDEP and TtNUS Standard Operating Procures. Groundwater samples were collected using low flow methods from the three intermediate monitoring wells (CEF-M18-04I, CEF-M18-05I, and CEF-M18-09I) and one deep monitoring well (CEF-M18-12D) listed in the Supplemental Site Assessment Letter Report II and the 2005 Natural Attenuation Monitoring Plan. Following collection, the groundwater samples were placed on ice and hand-delivered under chain of custody to ENCO Laboratories in Jacksonville, Florida for analysis. All samples were analyzed for the contaminants of concern (COCs) benzene, toluene, ethylbenzene, and total xylenes (BTEX) using United States Environmental Protection Agency (USEPA) Method SW-846 8260B.

RESULTS

The groundwater level elevations in the monitoring wells ranged from 64.78 to 66.15 feet below land surface. The depth-to-water measurements, along with top-of-casing elevations, were used to calculate groundwater elevations. Table 1 provides the groundwater elevation data. Figure 2 shows the direction of groundwater flow to the southeast in the intermediate zone. The groundwater elevations from the shallow wells and the deep well were not used in the calculation of groundwater flow direction.

The analytical results for this event are summarized in Table 2, and the laboratory report is provided as Attachment B. Figure 3 displays the analytical results for this event. The results indicate that the Natural Attenuation Default Source Concentration (NADSC) levels for benzene and total xylenes, as defined by the FDEP Monitoring Plan Order, were not exceeded in the groundwater samples from this event. Table 2 indicates that the Groundwater Cleanup Target Level (GCTL) for benzene was exceeded in CEF-M18-04I and CEF-M18-09I.

A comparison of these results to the July 2006 results shows that benzene concentrations have decreased in both CEF-M18-04I and in CEF-M18-09I. No contaminants were detected in CEF-M18-05I or CEF-M18-12D during either event. No COCs were detected in intermediate perimeter well CEF-M18-05I or deep well CEF-M18-12D. Table 3 summarizes the historical sampling data for all site monitoring wells.

CONCLUSIONS AND RECOMMENDATIONS

During the November 2006 event, benzene concentrations decreased at CEF-M18-04I and CEF-M18-09I. No COCs were detected in the perimeter well CEF-M18-5I or deep well CEF-M18-12D.

The 3rd Quarter, 2nd Year sampling event is scheduled for February 2007. Groundwater samples will be collected from CEF-MW-04I, CEF-MW-05I, CEF-MW-09I, and CEF-MW-12D and will be analyzed for BTEX compounds using USEPA Method SW-846 8260B. A 3rd Quarter, 2nd Year Groundwater Monitoring Report will be prepared when the results from the sampling event have been received and evaluated.

If you have any questions with regard to this submittal, please contact me at (904) 636-6125.

Sincerely,

Mark Peterson, Task Order Manager
Florida Professional Geologist
PG Number 1917

Kara F. Wimble
Environmental Scientist
Tetra Tech NUS, Inc.

Enclosures (8)

c: Mark Davidson, NAVFAC SE (CD only)
M. Halil, CH2M Hill (CD only)
M. Perry, TtNUS (unbound and CD)
D. Humbert, TtNUS (letter only)
M. Speranza, TtNUS (letter only)
M. Jonnet, TtNUS (Cecil DMS) (CD)
J. Logan, TtNUS
R. Simcik, TtNUS (Bookcase File)
J. Johnson, TtNUS (Information Repository) (CD)
CTO 0209 Project File

CERTIFICATION

The information contained is based on the geologic investigation and associated information detailed in the text and appended to this report. If conditions are determined to exist that differ from those described, the undersigned geologist should be notified to evaluate the effects of any additional information on the information described in this report. This Groundwater Monitoring Report, 2nd Quarter, 2nd Year (November 2006) was developed for the North-South Apron Plume at Naval Air Station Cecil Field and should not be construed to apply to any other site.

April 13, 2007
Mark A. Peterson, P.G.
Florida License Number PG-0001852

TABLES

Table 1
Groundwater Elevation Data

Quarterly Monitoring Report
North-South Apron Plume
Naval Air Station Cecil Field
Jacksonville, Florida

Monitoring Well Identification	Well Depth (feet, btoc)	TOC Elevation (feet, msl)	November 6, 2001		February 14, 2002		October 23, 2002		February 23, 2005		July 6, 2006		November 22, 2006	
			Depth to Water (feet, btoc)	Water-Level Elevation (feet, above msl)	Depth to Water (feet, btoc)	Water-Level Elevation (feet, above msl)	Depth to Water (feet, btoc)	Water-Level Elevation (feet, above msl)	Depth to Water (feet, btoc)	Water-Level Elevation (feet, above msl)	Depth to Water (feet, btoc)	Water-Level Elevation (feet, above msl)	Depth to Water (feet, btoc)	Water-Level Elevation (feet, above msl)
CEF-M18-01S	15	75.89	6.28	69.61	6.25	69.64	NM	NM	7.17	68.72	NM	NM	NM	NM
CEF-M18-02S	15	76.02	7.61	68.41	7.41	68.61	7.37	68.65	7.97	68.05	NM	NM	NM	NM
CEF-M18-02I	35	75.78	7.39	68.39	7.21	68.57	7.14	68.64	7.79	67.99	NM	NM	NM	NM
CEF-M18-03I	35	75.13	6.75	68.38	6.56	68.57	6.48	68.65	7.24	67.89	NM	NM	NM	NM
CEF-M18-04I	35	74.66	7.20	67.46	6.91	67.75	6.87	67.79	7.71	66.95	8.01	66.65	8.98	65.68
CEF-M18-05I	35	73.42	6.83	66.59	6.47	66.95	6.47	66.95	7.35	66.07	7.59	65.83	8.64	64.78
CEF-M18-06I	35	76.11	NE	NE	NE	NE	7.55	68.56	8.18	67.93	NM	NM	NM	NM
CEF-M18-07I	35	76.26	NE	NE	NE	NE	7.45	68.81	8.14	68.12	NM	NM	NM	NM
CEF-M18-08I	35	75.54	NE	NE	NE	NE	6.80	68.74	7.49	68.05	NM	NM	NM	NM
CEF-M18-09I	35	74.32	NE	NE	NE	NE	6.17	68.15	6.98	67.34	7.32	67.00	8.25	66.07
CEF-M18-10I	35	74.98	NE	NE	NE	NE	NM	NM	8.33	66.65	NM	NM	NM	NM
CEF-M18-11D	55	75.80	NE	NE	NE	NE	NE	NE	7.74	68.06	NM	NM	NM	NM
CEF-M18-12D	55	74.14	NE	NE	NE	NE	NE	NE	6.70	67.44	7.03	67.11	7.99	66.15

Notes:
First quarter (May 2001) data were not included.
The TOC elevation of CEF-M18-2I has been corrected.

NE = Well was installed after the date of measurement.
NM = not measured
btoc = below top of casing

TOC = top of casing
msl = mean sea level

Table 2
Summary of BTEX Detections in Groundwater

Quarterly Monitoring Report
North-South Apron Plume
Naval Air Station Cecil Field
Jacksonville, Florida

Parameter	GCTL	NADSC	CEF-M18-04I										
			03/28/00	03/28/00	09/14/00	05/02/01	08/07/01	08/07/01	11/06/01	02/14/02	3/1/2005	7/7/2006	11/22/2006
VOCs (µg/L)													
Benzene	1	100	1.0 U	1.0 U	**7.7**	**8.0**	**8.7**	**8.7**	**8.8**	**9.1**	**13.1**	**13.3**	**11**
Toluene	40	400	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.50 U	0.5 U	0.3 U
Ethylbenzene	30	300	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.50 U	0.5 U	0.2 U
Xylenes, total	20	200	3.0 U	3.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	1.0 U	1 U	0.3 U

Parameter	GCTL	NADSC	CEF-M18-05I								
			11/30/00		05/02/01	08/07/01	11/06/01	02/14/02	03/01/05	7/7/2006	11/22/2006
			Sample	Duplicate							
VOCs (µg/L)											
Benzene	1	100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.50 U	0.5 U	0.2 U
Toluene	40	400	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.50 U	0.5 U	0.3 U
Ethylbenzene	30	300	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.50 U	0.5 U	0.2 U
Xylenes, total	20	200	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	1.0 U	1 U	0.3 U

Parameter	GCTL	NADSC	CEF-M18-09I					CEF-M18-12D					
			10/23/02	02/28/05	7/6/2006	7/7/2006	11/22/2006	07/11/03		02/28/05	7/6/2006	11/22/2006	11/22/2006
					Sample	Duplicate		Sample	Duplicate			Sample	Duplicate
VOCs (µg/L)													
Benzene	1	100	**14.5**	**16.0**	**3.5**	**3.5**	**1.4**	**1.2**	**1.1**	0.55	0.5 U	0.4 I	0.4 I
Toluene	40	400	1.0 U	0.50 U	0.5 U	0.5 U	0.3 U	1.0 U	1.0 U	0.50 U	0.5 U	0.3 U	0.3 U
Ethylbenzene	30	300	1.0 U	0.50 U	0.5 U	0.5 U	0.2 U	1.0 U	1.0 U	0.50 U	0.5 U	0.2 U	0.2 U
Xylenes, total	20	200	3.0 U	1.0 U	1 U	1 U	0.3 U	3.0 U	3.0 U	1.0 U	1 U	0.3 U	0.3 U

Notes:
FDEP GCTLs taken from Chapter 62-777, FAC.
NADSC taken from Chapter 62-777, FAC.
Bold indicates concentration greater than FDEP criterion.
U = not detected at detection limit shown
I = instrument detection limit
VOCs = volatile organic compounds
µg/L = micrograms per liter

Table 3
Historical Summary of BTEX Detections in Groundwater

Quarterly Monitoring Report
North-South Apron Plume
Naval Air Station Cecil Field
Jacksonville, Florida

Parameter	GCTL	NADSC	CEF-M18-01S						CEF-M18-02I					
			01/20/00	09/14/00	11/30/00	05/02/01	08/07/01	03/01/05	01/19/00		09/14/00	05/02/01	08/07/01	11/06/01
									Sample	Duplicate				
VOCs (µg/L)														
Benzene	1	100	1.0 U	1.0 U	1.0 U	1.0 U	NS	0.50 U	**5.3**	**5.3**	**2.5**	**3.8**	**2.8**	**5.6**
Toluene	40	400	1.0 U	2.0 U	2.0 U	2.0 U	NS	0.50 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	0.68 J
Ethylbenzene	30	300	1.0 U	2.0 U	2.0 U	2.0 U	NS	0.50 U	7.2	7	1.0 U	0.95 J	1.0 J	5.8
Xylenes, total	20	200	3.0 U	6.0 U	6.0 U	6.0 U	NS	1.0 U	**68.2**	**67.4**	3.1	12.9	7	**54.4**

Parameter	GCTL	NADSC	CEF-M18-02I (continued)				CEF-M18-02S				CEF-M18-03I			
			02/14/02		02/28/05		03/28/00	09/14/00	08/07/01	02/28/05	09/14/00	05/02/01	08/07/01	11/06/01
			Sample	Duplicate	Sample	Duplicate								
VOCs (µg/L)														
Benzene	1	100	**8.3**	**8.6**	0.85	0.87	1.0 U	1.0 U	NS	0.50 U	**7**	**4.6**	**4.1**	**4**
Toluene	40	400	0.89 J	1 J	0.50 U	0.50 U	1.0 U	2.0 U	NS	0.50 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethylbenzene	30	300	9.4	9.5	0.50 U	0.50 U	1.0 U	2.0 U	NS	0.50 U	4.6	1.1 J	1.7J	1.8 J
Xylenes, total	20	200	**139**	**147**	11.3	11.8	3.0 U	6.0 U	NS	1.0 U	**27.5**	5.3 J	10.6	11

Parameter	GCTL	NADSC	CEF-M18-03I		CEF-M18-04I									
			02/14/02	02/28/05	03/28/00		09/14/00	05/02/01	08/07/01		11/06/01	02/14/02	3/1/2005	7/7/2006
					Sample	Duplicate			Sample	Duplicate				
VOCs (µg/L)														
Benzene	1	100	**3.7**	0.50 U	1.0 U	1.0 U	**7.7**	**8.0**	**8.7**	**8.7**	**8.8**	**9.1**	**13.1**	13.3
Toluene	40	400	2.0 U	0.50 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.50 U	0.5 U
Ethylbenzene	30	300	1.2 J	0.50 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.50 U	0.5 U
Xylenes, total	20	200	6.6	1.0 U	3.0 U	3.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	1.0 U	1 U

Table 3
Historical Summary of BTEX Detections in Groundwater

Quarterly Monitoring Report
North-South Apron Plume
Naval Air Station Cecil Field
Jacksonville, Florida

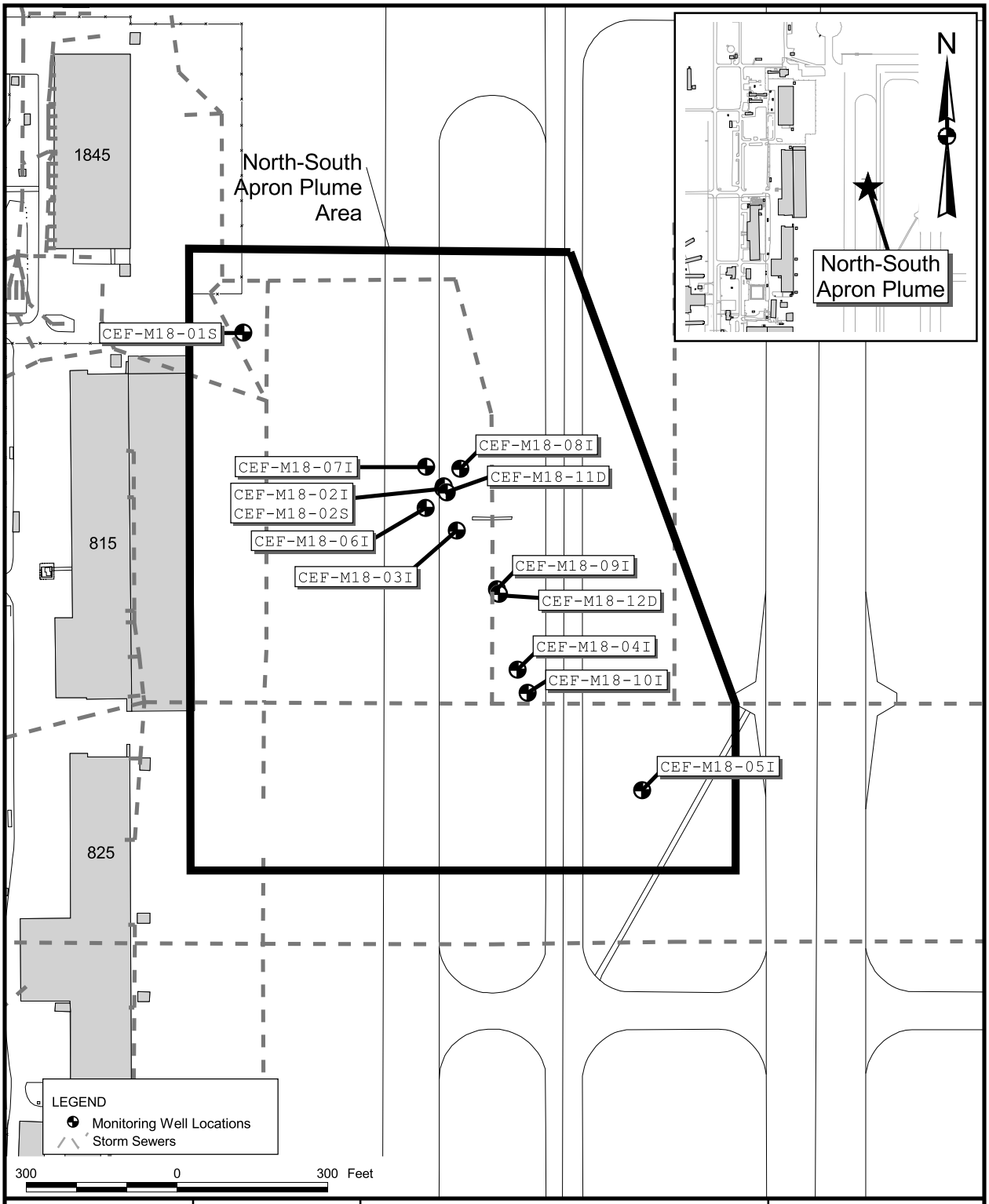
Parameter	GCTL	NADSC	CEF-M18-05I								CEF-M18-06I		
			11/30/00		05/02/01	08/07/01	02/14/02	03/01/05	11/06/01	7/7/2006	10/23/02		02/25/05
			Sample	Duplicate							Sample	Duplicate	
VOCs (µg/L)													
Benzene	1	100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.50 U	1.0 U	0.5 U	0.72 J	0.78 J	1.0
Toluene	40	400	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.50 U	2.0 U	0.5 U	2.3	2.8	0.50 U
Ethylbenzene	30	300	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.50 U	2.0 U	0.5 U	1.0 U	1.0 U	0.50 U
Xylenes, total	20	200	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	1.0 U	6.0 U	1 U	3.0 U	3.0 U	1.0 U

Parameter	GCTL	NADSC	CEF-M18-07I		CEF-M18-08I		CEF-M18-09I				CEF-M18-10I		CEF-M18-11D	
			10/23/02	02/25/05	10/23/02	02/28/05	10/23/02	02/28/05	7/6/2006		10/23/02	03/01/05	07/11/03	02/28/05
									Sample	Duplicate				
VOCs (µg/L)														
Benzene	1	100	**1.6**	0.50 U	**1.4**	0.50 U	**14.5**	**16.0**	**3.5**	**3.5**	**9.3**	**10.7**	1.0 U	0.50 U
Toluene	40	400	1.0 U	0.50 U	0.8 J	0.50 U	1.0 U	0.50 U	0.5 U	0.5 U	3.8	0.50 U	1.0 U	0.50 U
Ethylbenzene	30	300	1.0 U	0.50 U	1.0 U	0.50 U	1.0 U	0.50 U	0.5 U	0.5 U	1.0 U	0.50 U	1.0 U	0.50 U
Xylenes, total	20	200	3.0 U	1.0 U	3.0 U	1.0 U	3.0 U	1.0 U	1 U	1 U	3.0 U	1.0 U	3.0 U	1.0 U

Parameter	GCTL	NADSC	CEF-M18-12D			
			07/11/03		02/28/05	7/6/2006
			Sample	Duplicate		
VOCs (µg/L)						
Benzene	1	100	**1.2**	**1.1**	0.55	0.5 U
Toluene	40	400	1.0 U	1.0 U	0.50 U	0.5 U
Ethylbenzene	30	300	1.0 U	1.0 U	0.50 U	0.5 U
Xylenes, total	20	200	3.0 U	3.0 U	1.0 U	1 U

Notes:
FDEP GCTLs taken Level from Chapter 62-777, FAC.
NADSC take from Chapter 62-777, FAC.
Bold indicates concentration greater than FDEP criterion.
U = not detected at detection limit shown
µg/L = micrograms per liter
NS = not sampled
J = estimated

FIGURES



DRAWN BY MJJ	DATE 30Mar05	MONITORING WELL LOCATION MAP NORTH-SOUTH APRON PLUME QUARTERLY MONITORING REPORT NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0378
CHECKED BY	DATE		APPROVED BY DATE
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 1 / REV 0

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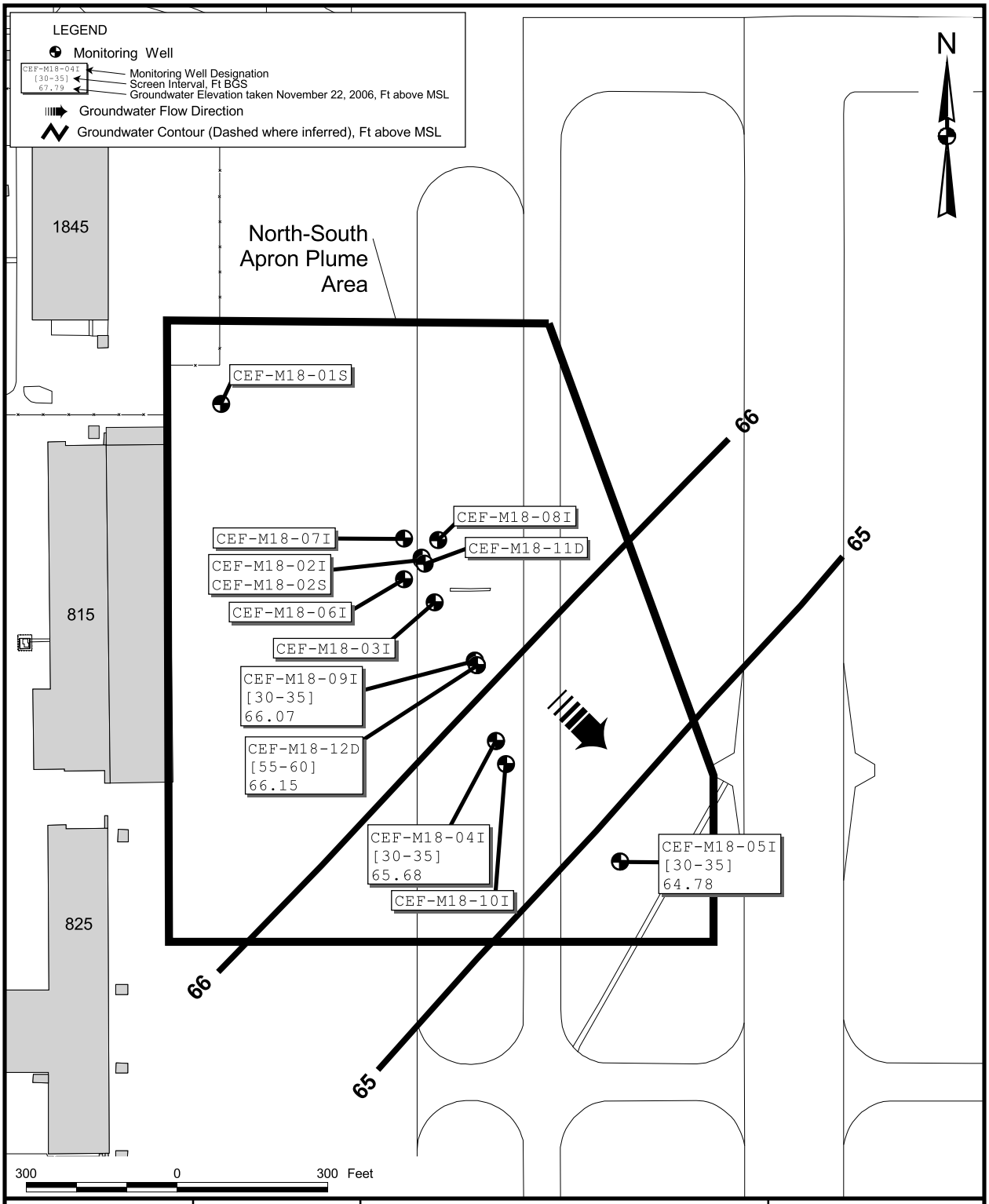

DRAWN BY	DATE			CONTRACT NUMBER
MJJ	02Jan07			4248
CHECKED BY	DATE			APPROVED BY DATE
COST/SCHEDULE-AREA				APPROVED BY DATE
SCALE				DRAWING NO. / REV
AS NOTED				FIGURE 2 / 0

GROUNDWATER FLOW MAP (NOVEMBER 2006)
NORTH-SOUTH APRON PLUME
QUARTERLY MONITORING REPORT
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

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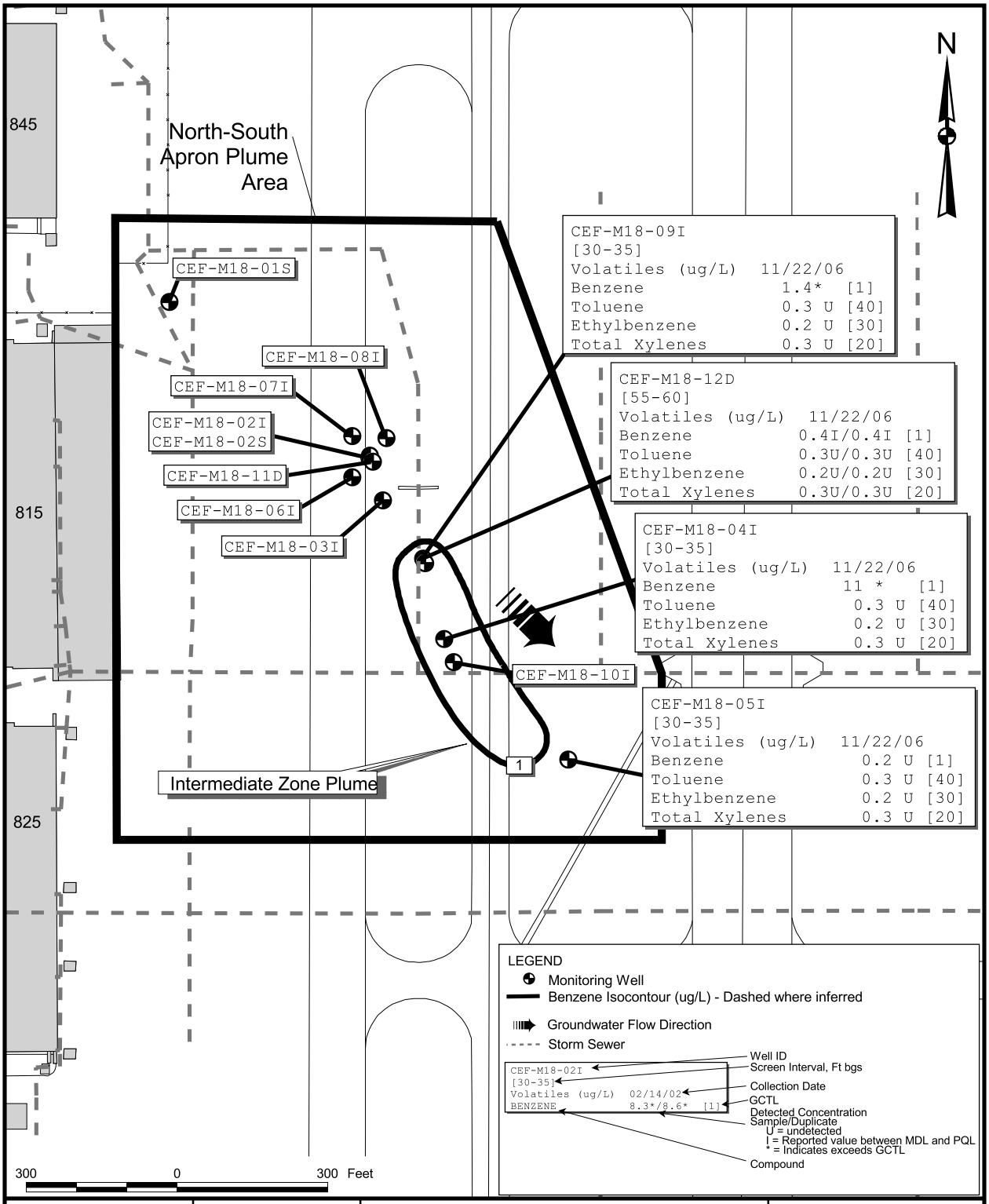

DRAWN BY	DATE			CONTRACT NUMBER
MJJ	02Jan07	GROUNDWATER BTEX RESULTS		4248
CHECKED BY	DATE	NORTH-SOUTH APRON PLUME		APPROVED BY / DATE
COST/SCHEDULE-AREA		QUARTERLY MONITORING REPORT		APPROVED BY / DATE
SCALE		NAVAL AIR STATION CECIL FIELD		DRAWING NO. FIGURE 3
AS NOTED		JACKSONVILLE, FLORIDA		REV 0

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ATTACHMENT A

MONITORING PLAN APPROVAL ORDER

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

October 21, 2005

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer
Attn: Mr. Gabe Magwood
Code ES24 (UST RPM)
Southern Division
Naval Facilities Engineering Command
P.O. Box 190010
North Charleston, South Carolina 29419-9010

Subject: Natural Attenuation Monitoring Plan Approval Order
North-South Apron Plume
Naval Air Station Cecil Field
Jacksonville, Duval County

Dear Mr. Magwood:

The Bureau of Waste Cleanup has reviewed the Supplemental Site Assessment Letter Report II and Natural Attenuation Monitoring Plan dated August 3, 2005 (received August 5, 2005), prepared and submitted by Tetra Tech NUS, Inc. for the petroleum product discharge discovered at this site. Pursuant to paragraph 62-770.690(5)(a), Florida Administrative Code (F.A.C.), the Florida Department of Environmental Protection (Department) approves the Natural Attenuation Monitoring Plan. Pursuant to rule 62-770.690(8), F.A.C., you are required to complete the monitoring program outlined below. The first sampling event must be performed within 60 days of receipt of this Natural Attenuation Monitoring Plan Approval Order (Order). Water-level measurements must be made immediately prior to each sampling event. The analytical results (laboratory report), chain of custody record form, cumulative summary tables as required by subparagraph 62-770.600(8)(a)25., F.A.C. (updated as applicable), site map(s) that illustrate the most recent analytical results, and the water-level elevation information (cumulative summary table and most recent flow interpretation map), must be submitted to the Department within 60 days of sample collection.

The monitoring wells to be sampled, the sampling parameters, and the sampling frequency for the first year are as follows:

Monitoring Wells	Contaminants of Concern	Frequency	Duration
CEF-M18-04I; CEF-M18-09I; CEF-M18-12D; and CEF-M18-05I	BTEX	Quarterly	One year

The approved Remedial Action by Natural Attenuation monitoring period is five years. The sampling frequency will be evaluated following the submittal of the first annual report to determine whether semiannual or annual sampling may be appropriate.

If concentrations of contaminants of concern in any of the designated wells increase above the action levels listed below, the well or wells must be resampled no later than 30 days after the initial positive results are known. If the results of the resampling confirm the initial sampling results, then the monitoring report referenced in paragraph 62-770.690(8)(d), F.A.C., must be signed and sealed by an appropriate registered professional pursuant to rule 62-770.490, F.A.C., and must include a proposal as described in paragraph 62-770.690(8)(e), F.A.C.

Contaminated well[s]:
CEF-M18-04I and CEF-M18-09I: 100 µg/L Benzene
Perimeter well[s] (temporary point[s] of compliance):
CEF-M18-12D and CEF-M18-05I: 1 µg/L Benzene

If the applicable No Further Action criteria of rule 62-770.680, F.A.C., are met for two consecutive sampling events, a Site Rehabilitation Completion Report with a No Further Action Proposal, that summarizes the monitoring program and contains documentation to support the opinion that the cleanup objectives have been achieved, must be submitted as required in subsection 62-770.690(10), F.A.C. If the applicable No Further Action criteria of rule 62-770.680, F.A.C., are not met following five years of monitoring, then the monitoring report must include a proposal as described in subsection 62-770.690(8)(f), F.A.C.

Legal Issues

The Department's Order shall become final unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for an administrative hearing are set forth below.

Persons affected by this Order have the following options:

(A) If you choose to accept the Department's decision regarding the Supplemental Site Assessment Letter Report II and Natural Attenuation

Monitoring Plan you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.

(B) If you choose to challenge the decision, you may do the following:

(1) File a request for an extension of time to file a petition for an administrative hearing with the Department's Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order; such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for an administrative hearing; or

(2) File a petition for an administrative hearing with the Department's Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order.

Please be advised that mediation of this decision pursuant to section 120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for an Administrative Hearing

For good cause shown, pursuant to subsection 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for an administrative hearing. Such a request must be filed (received) by the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Southern Division Naval Facilities Engineering Command, shall mail a copy of the request to Southern Division Naval Facilities Engineering Command at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for an administrative hearing must be made.

How to File a Petition for an Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative hearing under sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Southern Division Naval Facilities Engineering Command, shall mail a copy of the petition to Southern Division Naval Facilities Engineering Command at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under sections 120.569 and 120.57, F.S.

Pursuant to subsection 120.569(2), F.S. and rule 28-106.201, F.A.C., a petition for an administrative hearing shall contain the following information:

(a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the facility owner's name and address, if different from the petitioner; the FDEP facility number, and the name and address of the facility;
(b) A statement of when and how each petitioner received notice of the Department's action or proposed action;
(c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
(d) A statement of the disputed issues of material fact, or a statement that there are no disputed facts;
(e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for an administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an Order Responding to Supplemental Information provided to the Department pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of it under section 120.68, F.S., by filing a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the Department's Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the Department's clerk (see below).

Questions

Any questions regarding the Department's review of your Supplemental Site Assessment Letter Report II and Natural Attenuation Monitoring Plan should be directed to David P. Grabka at (850) 245-8997. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for administrative hearing or request for an extension of time to file a petition for administrative hearing.

Sincerely,

Douglas A. Jones, Chief
Bureau of Waste Cleanup
Division of Waste Management

DAJ/dpg

cc: David P. Grabka, FDEP – BWC
File

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to §120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

_____ _____
Clerk (or Deputy Clerk) Date

ATTACHMENT B

GROUNDWATER ANALYTICAL REPORT

Table of Contents

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ORGANIC CASE NARRATIVE

Tetra Tech NUS, Inc/CTO #0025 Quarterly

Project Manger Dave Siefken

SDG BR006-004

Lab Sample ID	Client Sample ID
B610170-01	CEF-M18-05I-1122066
B610170-02	CEF-M18-04I-1122066
B610170-03	CEF-M18-09I-1122066
B610170-04	CEF-M18-12D-1122066
B610170-05	CEF-M18-FB01
B610170-06	CEF-M18-DU01

Volatiles

Method: The samples were analyzed by USEPA Method 8260B (VOA vial field sampling followed by purge and trap then capillary column GC/MS) for waters upon receipt to the laboratory in satisfactory condition.
Comments: The volatile analyses for these samples were satisfactorily completed within sample holding times and met the corresponding specifications with the following note/exceptions:

- Due to insufficient sample, the MS/MSD were performed on an alternative sample not related to this project.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Released By:

Environmental Conservation Laboratories, Inc.

Christina M. Tompkins
Project Manager

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER 2489 B610170 | PAGE 1 OF 1

PROJECT NO: 112G00378	FACILITY: NS Apron	PROJECT MANAGER: Dave Sieken	PHONE NUMBER: 904-636-6125	LABORATORY NAME AND CONTACT: FNCO
SAMPLERS (SIGNATURE): Kara J. Wemble		FIELD OPERATIONS LEADER: Terry Cottenoir	PHONE NUMBER: 904-636-6125	ADDRESS: 4810 Executive Pk Ct, Ste 211
		CARRIER/WAYBILL NUMBER: hand delivered		CITY, STATE: Jacksonville, FL

STANDARD TAT ☒
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: HCl

DATE YEAR 2006	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: 8260 (BTEX only)	COMMENTS
11/22	1023	CEF-M18-05I-112206				GW	G	3	3	
11/22	0931	CEF-M18-04I-112206				GW	G	3	3	
11/22	0850	CEF-M18-09I-112206				GW	G	3	3	
11/22	0903	CEF-M18-12D-112206				GW	G	3	3	
11/22	1301	CEF-M18-FB01				GW	G	3	3	
11/22	0000	CEF-M18-DUP01				GW	G	3	3	

1. RELINQUISHED BY	DATE 11-22-06	TIME 1607	1. RECEIVED BY	DATE	TIME
2. RELINQUISHED BY	DATE 11-22-06	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY 11/22/06	DATE 16	TIME 07

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

ENCO Jacksonville

SDG: BR006-004

CLASS: GCMS

METHOD: EPA 8260B

ANALYSES DATA PACKAGE COVER PAGE

EPA 8260B

Laboratory: ENCO Jacksonville

SDG: BR006-004

Client: Tetra Tech NUS (BR006)

Project: CTO #0025 Quarterly

Client Sample Id:	Lab Sample Id:
CEF-M18-05I-112206	B610170-01
CEF-M18-04I-112206	B610170-02
CEF-M18-09I-112206	B610170-03
CEF-M18-12D-112206	B610170-04
CEF-M18-FB01	B610170-05
CEF-M18-DU01	B610170-06

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____

Name: Christina M Tompkins

Date: 12/13/06

Title: Project Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8260B

Laboratory: ENCO Jacksonville **SDG:** BR006-004

Client: Tetra Tech NUS (BR006) **Project:** CTO #0025 Quarterly

Matrix: Water **Instrument:** JVGCMS1

Analyte	MDL	MRL	Units
Benzene	0.200	1	ug/L
Toluene	0.200	1	ug/L
Ethylbenzene	0.300	1	ug/L
m,p-Xylenes	0.300	2	ug/L
o-Xylene	0.200	1	ug/L
Xylenes (Total)	0.300	1	ug/L

PREPARATION BATCH SUMMARY

EPA 8260B

Laboratory: ENCO Jacksonville SDG: BR006-004

Client: Tetra Tech NUS (BR006) Project: CTO #0025_Quarterly

Batch: 6L05009 Batch Matrix: Water Preparation: EPA 5030B_MS

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	6L05009-BLK1	7L4032.D	12/04/06 09:00	
Blank	6L05009-BLK1	7L4030.D	12/04/06 09:00	
LCS	6L05009-BS1	7L4033.D	12/04/06 09:00	
MW-1	6L05009-MS1	7L4034.D	12/04/06 09:00	
MW-1	6L05009-MSD1	7L4035.D	12/04/06 09:00	
CEF-M18-05I-112206	B610170-01	7L4038.D	12/04/06 11:16	
CEF-M18-04I-112206	B610170-02	7L4039.D	12/04/06 11:16	
CEF-M18-09I-112206	B610170-03	7L4040.D	12/04/06 11:16	
CEF-M18-12D-112206	B610170-04	7L4041.D	12/04/06 11:16	
CEF-M18-FB01	B610170-05	7L4042.D	12/04/06 11:16	
CEF-M18-DU01	B610170-06	7L4043.D	12/04/06 11:16	

ANALYSIS BATCH (SEQUENCE) SUMMARY
EPA 8260B

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Sequence:	BA00077	Instrument:	JVGCMS1
Matrix:	Water	Calibration:	0612004

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	BA00077-TUN1	7L4026.D	12/04/06 22:47
Calibration Check	BA00077-CCV1	7L4027.D	12/04/06 23:18
Blank	6L05009-BLK1	7L4032.D	12/05/06 00:50
Blank	6L05009-BLK1	7L4030.D	12/05/06 00:50
LCS	6L05009-BS1	7L4033.D	12/05/06 02:22
MW-1	6L05009-MS1	7L4034.D	12/05/06 02:53
MW-1	6L05009-MSD1	7L4035.D	12/05/06 03:23
CEF-M18-05I-112206	B610170-01	7L4038.D	12/05/06 04:55
CEF-M18-04I-112206	B610170-02	7L4039.D	12/05/06 05:26
CEF-M18-09I-112206	B610170-03	7L4040.D	12/05/06 05:57
CEF-M18-12D-112206	B610170-04	7L4041.D	12/05/06 06:27
CEF-M18-FB01	B610170-05	7L4042.D	12/05/06 06:58
CEF-M18-DU01	B610170-06	7L4043.D	12/05/06 07:29

HOLDING TIME SUMMARY

EPA 8260B

Laboratory: ENCO Jacksonville SDG: BR006-004

Client: Tetra Tech NUS (BR006) Project: CTO #0025 Quarterly

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	O
CEF-M18-05I-112206	11/22/06 10:23	11/22/06 16:07	12/04/06 11:16	12.04	NA	12/05/06 04:55	13.00	14.00	
CEF-M18-04I-112206	11/22/06 09:31	11/22/06 16:07	12/04/06 11:16	12.07	NA	12/05/06 05:26	13.00	14.00	
CEF-M18-09I-112206	11/22/06 08:50	11/22/06 16:07	12/04/06 11:16	12.10	NA	12/05/06 05:57	13.00	14.00	
CEF-M18-12D-112206	11/22/06 09:03	11/22/06 16:07	12/04/06 11:16	12.09	NA	12/05/06 06:27	13.00	14.00	
CEF-M18-FB01	11/22/06 13:01	11/22/06 16:07	12/04/06 11:16	11.93	NA	12/05/06 06:58	13.00	14.00	
CEF-M18-DU01	11/22/06 00:00	11/22/06 16:07	12/04/06 11:16	12.47	NA	12/05/06 07:29	13.00	14.00	

ORGANIC ANALYSIS DATA SHEET

EPA 8260B

CEF-M18-05I-112206

Laboratory:	ENCO Jacksonville			SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)			Project:	CTO #0025 Quarterly
Matrix:	Water	Laboratory ID:	B610170-01	File ID:	7L4038.D
Sampled:	11/22/06 10:23	Prepared:	12/04/06 11:16	Analyzed:	12/05/06 04:55
Solids:		Preparation:	EPA 5030B_MS	Initial/Final:	5 mL / 5 mL

Batch: 6L05009 Sequence: BA00077 Calibration: 0612004 Instrument: JVGCMS1

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-43-2	Benzene	1	1.0	U
108-88-3	Toluene	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
NA	Xylenes (Total)	1	1.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	50.0	49.6	99	66 - 131	
Toluene-d8	50.0	50.2	100	67 - 139	
4-Bromofluorobenzene	50.0	48.8	98	60 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene	272545	11.43	272130	11.42	
1,4-Difluorobenzene	624304	12.09	622558	12.08	
Chlorobenzene-d5	659095	15.27	680015	15.27	
1,4-Dichlorobenzene-d4	287638	17.46	316961	17.46	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET
EPA 8260B

CEF-M18-04I-112206

Laboratory:	ENCO Jacksonville			SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)			Project:	CTO #0025 Quarterly
Matrix:	Water	Laboratory ID:	B610170-02	File ID:	7L4039.D
Sampled:	11/22/06 09:31	Prepared:	12/04/06 11:16	Analyzed:	12/05/06 05:26
Solids:		Preparation:	EPA 5030B_MS	Initial/Final:	5 mL / 5 mL

Batch: 6L05009 Sequence: BA00077 Calibration: 0612004 Instrument: JVGCMS1

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-43-2	Benzene	1	11.0	
108-88-3	Toluene	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
NA	Xylenes (Total)	1	1.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	50.0	51.4	103	66 - 131	
Toluene-d8	50.0	50.2	100	67 - 139	
4-Bromofluorobenzene	50.0	47.8	96	60 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene	261544	11.42	272130	11.42	
1,4-Difluorobenzene	603576	12.09	622558	12.08	
Chlorobenzene-d5	653755	15.27	680015	15.27	
1,4-Dichlorobenzene-d4	279273	17.46	316961	17.46	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8260B

CEF-M18-09I-112206

Laboratory:	ENCO Jacksonville			SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)			Project:	CTO #0025_Quarterly
Matrix:	Water	Laboratory ID:	B610170-03	File ID:	7L4040.D
Sampled:	11/22/06 08:50	Prepared:	12/04/06 11:16	Analyzed:	12/05/06 05:57
Solids:		Preparation:	EPA 5030B_MS	Initial/Final:	5 mL / 5 mL

Batch: 6L05009 Sequence: BA00077 Calibration: 0612004 Instrument: JVGCMS1

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-43-2	Benzene	1	1.4	
108-88-3	Toluene	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
NA	Xylenes (Total)	1	1.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	50.0	50.6	101	66 - 131	
Toluene-d8	50.0	49.6	99	67 - 139	
4-Bromofluorobenzene	50.0	50.9	102	60 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene	260682	11.42	272130	11.42	
1,4-Difluorobenzene	605076	12.08	622558	12.08	
Chlorobenzene-d5	638573	15.27	680015	15.27	
1,4-Dichlorobenzene-d4	280196	17.46	316961	17.46	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8260B

CEF-M18-12D-112206

Laboratory:	ENCO Jacksonville			SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)			Project:	CTO #0025_Quarterly
Matrix:	Water	Laboratory ID:	B610170-04	File ID:	7L4041.D
Sampled:	11/22/06 09:03	Prepared:	12/04/06 11:16	Analyzed:	12/05/06 06:27
Solids:		Preparation:	EPA 5030B_MS	Initial/Final:	5 mL / 5 mL

Batch: 6L05009 Sequence: BA00077 Calibration: 0612004 Instrument: JVGCMS1

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-43-2	Benzene	1	0.4	J
108-88-3	Toluene	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
NA	Xylenes (Total)	1	1.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	50.0	51.6	103	66 - 131	
Toluene-d8	50.0	49.9	100	67 - 139	
4-Bromofluorobenzene	50.0	49.6	99	60 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene	258364	11.43	272130	11.42	
1,4-Difluorobenzene	605930	12.09	622558	12.08	
Chlorobenzene-d5	636404	15.27	680015	15.27	
1,4-Dichlorobenzene-d4	280802	17.45	316961	17.46	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8260B

CEF-M18-FB01

Laboratory:	ENCO Jacksonville			SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)			Project:	CTO #0025 Quarterly
Matrix:	Water	Laboratory ID:	B610170-05	File ID:	7L4042.D
Sampled:	11/22/06 13:01	Prepared:	12/04/06 11:16	Analyzed:	12/05/06 06:58
Solids:		Preparation:	EPA 5030B_MS	Initial/Final:	5 mL / 5 mL

Batch: 6L05009 Sequence: BA00077 Calibration: 0612004 Instrument: JVGCMS1

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-43-2	Benzene	1	1.0	U
108-88-3	Toluene	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
NA	Xylenes (Total)	1	1.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	50.0	50.6	101	66 - 131	
Toluene-d8	50.0	50.5	101	67 - 139	
4-Bromofluorobenzene	50.0	48.6	97	60 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene	260642	11.43	272130	11.42	
1,4-Difluorobenzene	594412	12.09	622558	12.08	
Chlorobenzene-d5	636591	15.27	680015	15.27	
1,4-Dichlorobenzene-d4	268914	17.45	316961	17.46	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8260B

CEF-M18-DU01

Laboratory:	ENCO Jacksonville			SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)			Project:	CTO #0025_Quarterly
Matrix:	Water	Laboratory ID:	B610170-06	File ID:	7L4043.D
Sampled:	11/22/06 00:00	Prepared:	12/04/06 11:16	Analyzed:	12/05/06 07:29
Solids:		Preparation:	EPA 5030B_MS	Initial/Final:	5 mL / 5 mL

Batch: 6L05009 Sequence: BA00077 Calibration: 0612004 Instrument: JVGCMS1

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-43-2	Benzene	1	0.4	J
108-88-3	Toluene	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
NA	Xylenes (Total)	1	1.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	50.0	53.2	106	66 - 131	
Toluene-d8	50.0	50.5	101	67 - 139	
4-Bromofluorobenzene	50.0	49.0	98	60 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene	248731	11.43	272130	11.42	
1,4-Difluorobenzene	586044	12.09	622558	12.08	
Chlorobenzene-d5	629896	15.26	680015	15.27	
1,4-Dichlorobenzene-d4	275500	17.45	316961	17.46	

* Values outside of QC limits

METHOD BLANK DATA SHEET
EPA 8260B

Laboratory:	ENCO Jacksonville			SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)			Project:	CTO #0025 Quarterly
Matrix:	Water	Laboratory ID:	6L05009-BLK1	File ID:	7L4030.D
Prepared:	12/04/06 09:00	Preparation:	EPA 5030B_MS	Initial/Final:	5 mL / 5 mL
Analyzed:	12/05/06 00:50	Instrument:	JVGCMS1		
Batch:	6L05009	Sequence:	BA00077	Calibration:	0612004

CAS NO.	COMPOUND	CONC. (ug/L)	Q
71-43-2	Benzene	1.0	U
108-88-3	Toluene	1.0	U
100-41-4	Ethylbenzene	1.0	U
NA	Xylenes (Total)	1.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Dibromofluoromethane	50.0	48.0	96	66 - 131	
Toluene-d8	50.0	49.9	100	67 - 139	
4-Bromofluorobenzene	50.0	49.2	98	60 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene	284605	11.43	272130	11.42	
1,4-Difluorobenzene	644516	12.09	622558	12.08	
Chlorobenzene-d5	676654	15.27	680015	15.27	
1,4-Dichlorobenzene-d4	309883	17.45	316961	17.46	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8260B

MW-1

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Matrix:	Water		
Batch:	6L05009	Laboratory ID:	6L05009-MS1
Preparation:	EPA 5030B_MS	Initial/Final:	5 mL / 5 mL

Source Sample Name: MW-1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC. #	QC LIMITS REC.
Benzene	20.0	ND	23.7	118	80 - 120
Toluene	20.0	ND	21.5	108	75 - 120
Ethylbenzene	20.0	ND	21.0	105	75 - 125
m,p-Xylenes	40.0	ND	42.6	107	75 - 130
o-Xylene	20.0	ND	21.1	105	80 - 120

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzene	20.0	22.9	115	3	22	80 - 120
Toluene	20.0	20.8	104	3	24	75 - 120
Ethylbenzene	20.0	20.8	104	0.6	25	75 - 125
m,p-Xylenes	40.0	43.3	108	2	24	75 - 130
o-Xylene	20.0	21.0	105	0.5	25	80 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8260B

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Matrix:	Water		
Batch:	6L05009	Laboratory ID:	6L05009-BS1
Preparation:	EPA 5030B_MS	Initial/Final:	5 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Benzene	20.0	18.2	91	80 - 120
Toluene	20.0	17.4	87	75 - 120
Ethylbenzene	20.0	16.9	85	75 - 125
m,p-Xylenes	40.0	35.4	89	75 - 130
o-Xylene	20.0	17.5	88	80 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260B

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Lab File ID:	7L4026.D	Injection Date:	12/04/06
Instrument ID:	JVGCMS1	Injection Time:	22:47
Sequence:	BA00077	Lab Sample ID:	BA00077-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20.8	PASS
75	30 - 60% of 95	44.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.21	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	55.1	PASS
175	5 - 9% of 174	7.74	PASS
176	95 - 101% of 174	99.5	PASS
177	5 - 9% of 176	6.55	PASS

CONTINUING CALIBRATION CHECK

EPA 8260B

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Instrument ID:	JVGCMS1	Calibration:	0612004
Lab File ID:	7L4027.D	Calibration Date:	11/30/06 09:00
Sequence:	BA00077	Injection Date:	12/04/06
Lab Sample ID:	BA00077-CCV1	Injection Time:	23:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzene	A	50.0	49.6	1.357218	1.34583		-0.8	20
Toluene	A	50.0	46.8	0.7588912	0.710327		-6.4	20
Ethylbenzene	A	50.0	47.5	0.3859952	0.36691		-4.9	20
m,p-Xylenes	A	100	94.3	0.4757066	0.448793		-5.7	20
o-Xylene	A	50.0	48.7	0.4633409	0.450915		-2.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260B

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Sequence:	BA00077	Instrument:	JVGCMS1
Matrix:	Water	Calibration:	0612004

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (6L05009-BLK1)			Lab File ID: 7L4030.D		Analyzed: 12/05/06 00:50			
Dibromofluoromethane	50.0	96	66 - 131	10.87	10.89	-0.0200	+/-0.5	
Toluene-d8	50.0	100	67 - 139	13.62	13.63	-0.0100	+/-0.5	
4-Bromofluorobenzene	50.0	98	60 - 130	16.4	16.40833	-0.0083	+/-0.5	
CEF-M18-05I-112206 (B610170-01)			Lab File ID: 7L4038.D		Analyzed: 12/05/06 04:55			
Dibromofluoromethane	50.0	99	66 - 131	10.88	10.89	-0.0100	+/-0.5	
Toluene-d8	50.0	100	67 - 139	13.62	13.63	-0.0100	+/-0.5	
4-Bromofluorobenzene	50.0	98	60 - 130	16.4	16.40833	-0.0083	+/-0.5	
CEF-M18-04I-112206 (B610170-02)			Lab File ID: 7L4039.D		Analyzed: 12/05/06 05:26			
Dibromofluoromethane	50.0	103	66 - 131	10.88	10.89	-0.0100	+/-0.5	
Toluene-d8	50.0	100	67 - 139	13.62	13.63	-0.0100	+/-0.5	
4-Bromofluorobenzene	50.0	96	60 - 130	16.4	16.40833	-0.0083	+/-0.5	
CEF-M18-09I-112206 (B610170-03)			Lab File ID: 7L4040.D		Analyzed: 12/05/06 05:57			
Dibromofluoromethane	50.0	101	66 - 131	10.88	10.89	-0.0100	+/-0.5	
Toluene-d8	50.0	99	67 - 139	13.62	13.63	-0.0100	+/-0.5	
4-Bromofluorobenzene	50.0	102	60 - 130	16.4	16.40833	-0.0083	+/-0.5	
CEF-M18-12D-112206 (B610170-04)			Lab File ID: 7L4041.D		Analyzed: 12/05/06 06:27			
Dibromofluoromethane	50.0	103	66 - 131	10.87	10.89	-0.0200	+/-0.5	
Toluene-d8	50.0	100	67 - 139	13.61	13.63	-0.0200	+/-0.5	
4-Bromofluorobenzene	50.0	99	60 - 130	16.4	16.40833	-0.0083	+/-0.5	
CEF-M18-FB01 (B610170-05)			Lab File ID: 7L4042.D		Analyzed: 12/05/06 06:58			
Dibromofluoromethane	50.0	101	66 - 131	10.87	10.89	-0.0200	+/-0.5	
Toluene-d8	50.0	101	67 - 139	13.62	13.63	-0.0100	+/-0.5	
4-Bromofluorobenzene	50.0	97	60 - 130	16.4	16.40833	-0.0083	+/-0.5	
CEF-M18-DU01 (B610170-06)			Lab File ID: 7L4043.D		Analyzed: 12/05/06 07:29			
Dibromofluoromethane	50.0	106	66 - 131	10.88	10.89	-0.0100	+/-0.5	
Toluene-d8	50.0	101	67 - 139	13.62	13.63	-0.0100	+/-0.5	
4-Bromofluorobenzene	50.0	98	60 - 130	16.4	16.40833	-0.0083	+/-0.5	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8260B

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Sequence:	BA00077	Instrument:	JVGCMS1
Matrix:	Water	Calibration:	0612004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (6L05009-BLK1)			Lab File ID: 7L4030.D			Analyzed: 12/05/06 00:50			
Pentafluorobenzene	284605	11.43	272130	11.42	105	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	644516	12.09	622558	12.08	104	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	676654	15.27	680015	15.27	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	309883	17.45	316961	17.46	98	50 - 200	-0.0100	+/-0.50	
CEF-M18-05I-112206 (B610170-01)			Lab File ID: 7L4038.D			Analyzed: 12/05/06 04:55			
Pentafluorobenzene	272545	11.43	272130	11.42	100	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	624304	12.09	622558	12.08	100	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	659095	15.27	680015	15.27	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	287638	17.46	316961	17.46	91	50 - 200	0.0000	+/-0.50	
CEF-M18-04I-112206 (B610170-02)			Lab File ID: 7L4039.D			Analyzed: 12/05/06 05:26			
Pentafluorobenzene	261544	11.42	272130	11.42	96	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	603576	12.09	622558	12.08	97	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	653755	15.27	680015	15.27	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	279273	17.46	316961	17.46	88	50 - 200	0.0000	+/-0.50	
CEF-M18-09I-112206 (B610170-03)			Lab File ID: 7L4040.D			Analyzed: 12/05/06 05:57			
Pentafluorobenzene	260682	11.42	272130	11.42	96	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	605076	12.08	622558	12.08	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	638573	15.27	680015	15.27	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	280196	17.46	316961	17.46	88	50 - 200	0.0000	+/-0.50	
CEF-M18-12D-112206 (B610170-04)			Lab File ID: 7L4041.D			Analyzed: 12/05/06 06:27			
Pentafluorobenzene	258364	11.43	272130	11.42	95	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	605930	12.09	622558	12.08	97	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	636404	15.27	680015	15.27	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	280802	17.45	316961	17.46	89	50 - 200	-0.0100	+/-0.50	
CEF-M18-FB01 (B610170-05)			Lab File ID: 7L4042.D			Analyzed: 12/05/06 06:58			
Pentafluorobenzene	260642	11.43	272130	11.42	96	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	594412	12.09	622558	12.08	95	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	636591	15.27	680015	15.27	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	268914	17.45	316961	17.46	85	50 - 200	-0.0100	+/-0.50	
CEF-M18-DU01 (B610170-06)			Lab File ID: 7L4043.D			Analyzed: 12/05/06 07:29			
Pentafluorobenzene	248731	11.43	272130	11.42	91	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	586044	12.09	622558	12.08	94	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	629896	15.26	680015	15.27	93	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	275500	17.45	316961	17.46	87	50 - 200	-0.0100	+/-0.50	

INITIAL CALIBRATION STANDARDS

EPA 8260B

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Sequence:	BA00075	Instrument:	JVGCMS1
Calibration:	0612004		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
B6L0029	8260 Calibration standard #1 (0.0002mg/L)	BA00075-CAL1	7KY005.D	11/30/06 16:52
B6L0031	8260 Calibration standard #2(0.001mg/L)	BA00075-CAL2	7KY007.D	11/30/06 17:54
B6L0032	8260 Calibration standard #3(0.005mg/L)	BA00075-CAL3	7KY008.D	11/30/06 18:25
B6L0033	8260 Calibration standard #4(0.020mg/L)	BA00075-CAL4	7KY009.D	11/30/06 18:55
B6L0037	8260 Calibration standard #5(0.050mg/L)	BA00075-CAL5	7KY010.D	11/30/06 19:26
B6L0036	8260 Calibration standard #6(0.100mg/L)	BA00075-CAL6	7KY012.D	11/30/06 20:27
B6L0035	8260 Calibration standard #7(0.200mg/L)	BA00075-CAL7	7KY015.D	11/30/06 21:59

INITIAL CALIBRATION DATA
EPA 8260B

Laboratory: ENCO Jacksonville
SDG: BR006-004
Client: Tetra Tech NUS (BR006)
Project: CTO #0025 Quarterly
Calibration: 0612004
Instrument: JVGCMS1
Matrix: Water
Calibration Date: 11/30/06 09:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Dichlorodifluoromethane	0.2	0	1	0.4527052	5	0.4385709	20	0.5180889	50	0.5412341	100	0.4731216
Chloromethane	0.2	0	1	0.9004876	5	0.970924	20	0.9544188	50	1.004201	100	0.9882035
Vinyl chloride	0.2	0	1	0.8435794	5	0.7751133	20	0.8489353	50	0.8759871	100	0.8379553
Bromomethane	0.2	0	1	1.324246	5	0.7120602	20	0.5709026	50	0.5328988	100	0.4530427
Chloroethane	0.2	0	1	0.7522113	5	0.596223	20	0.6032934	50	0.5746812	100	0.5635746
Trichlorofluoromethane	0.2	0	1	0.8057719	5	0.888461	20	1.023145	50	1.001561	100	0.9104718
Acrolein	1	0	5	0.2432675	25	0.1884124	100	0.2159134	250	0.1969796	500	0.1858666
1,1-Dichloroethene	0.2	0	1	0.6486346	5	0.7442675	20	0.697001	50	0.6975718	100	0.6654715
Acetone	1	0	5	0.3448751	25	0.2930081	100	0.297826	250	0.2591769	500	0.2407759
Iodomethane	1	0	5	0.4393938	25	0.618348	100	0.8392478	250	0.9210181	500	0.9455904
Carbon disulfide	1	0	5	2.857694	25	2.862586	100	3.029316	250	2.902376	500	2.749817
Acetonitrile	2	0	10	0.1703897	50	0.1487251	200	0.1364299	500	0.1292897	1000	0.1212697
3-Chloropropene	0.2	0	1	1.059791	5	1.070891	20	1.229112	50	1.308025	100	1.316929
Methylene Chloride	0.2	0	1	1.467994	5	0.9940292	20	0.9176804	50	0.9153201	100	0.8884126
Acrylonitrile	1	0.6156965	5	0.5092195	25	0.4831243	100	0.5129563	250	0.4565103	500	0.4537351
Methyl-tert-Butyl Ether	0.2	0	1	2.312951	5	2.024389	20	2.114785	50	2.112303	100	1.969259
trans-1,2-Dichloroethene	0.2	0	1	0.7967139	5	0.8283642	20	0.7737983	50	0.7838383	100	0.7600927
1,1-Dichloroethane	0.2	0	1	1.861428	5	1.46014	20	1.586984	50	1.537344	100	1.49502
Vinyl acetate	1	0	5	2.233398	25	1.488247	100	1.858673	250	1.457027	500	1.270261
Isopropyl Ether	0.2	0	1	3.356399	5	3.413229	20	3.398534	50	3.292367	100	3.217516
Chloroprene	0.2	0	1	0.5302893	5	0.5554583	20	0.6155971	50	0.628601	100	0.6284106
2-Butanone	1	0	5	0.101135	25	8.173172E-02	100	9.740836E-02	250	8.773909E-02	500	7.885221E-02
cis-1,2-Dichloroethene	0.2	0	1	0.8183744	5	0.821207	20	0.8335893	50	0.8413664	100	0.8666011
2,2-Dichloropropane	0.2	0	1	1.050733	5	0.8713461	20	0.915118	50	0.878696	100	0.8363256
Propionitrile	2	0	10	0.144141	50	0.1130482	200	0.1262721	500	0.1177768	1000	0.1109099
Methacrylonitrile	2	0	10	0.7072165	50	0.6225723	200	0.6860151	500	0.6384344	1000	0.5794172
Bromochloromethane	0.2	0	1	0.3355414	5	0.4062859	20	0.3454918	50	0.346342	100	0.3258011
Chloroform	0.2	0	1	1.690506	5	1.546842	20	1.423763	50	1.470779	100	1.420618
1,1,1-Trichloroethane	0.2	0	1	1.211809	5	1.061672	20	1.07235	50	1.10444	100	1.048643
1,1-Dichloropropene	0.2	0	1	1.033798	5	1.058327	20	1.046034	50	1.096283	100	1.054003
Isobutyl alcohol	4	0	20	6.424318E-02	100	7.322675E-02	400	7.481065E-02	1000	7.259995E-02	2000	6.748959E-02

INITIAL CALIBRATION DATA
EPA 8260B

Laboratory: ENCO Jacksonville
SDG: BR006-004
Client: Tetra Tech NUS (BR006)
Project: CTO #0025 Quarterly
Calibration: 0612004
Instrument: JVGCMS1
Matrix: Water
Calibration Date: 11/30/06 09:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Carbon Tetrachloride	0.2	0	1	0.4273157	5	0.375078	20	0.3851301	50	0.4176403	100	0.3950114
1,2-Dichloroethane	0.2	0	1	0.6675944	5	0.5059996	20	0.5512738	50	0.5305609	100	0.4997872
Benzene	0.2	0	1	1.413063	5	1.295651	20	1.375797	50	1.390209	100	1.347036
Trichloroethene	0.2	0	1	0.313313	5	0.2953517	20	0.2999687	50	0.3272521	100	0.3137329
1,2-Dichloropropane	0.2	0	1	0.3913603	5	0.3568954	20	0.4090993	50	0.4196903	100	0.3905292
Methyl Methacrylate	0.2	0	1	0.2239432	5	0.1905495	20	0.2421094	50	0.2525738	100	0.2387685
1,4-Dioxane	4	0	20	5.730387E-03	100	3.385931E-03	400	3.455499E-03	1000	3.411555E-03	2000	3.150756E-03
Dibromomethane	0.2	0	1	0.2802099	5	0.2265042	20	0.2545991	50	0.2432576	100	0.232115
Bromodichloromethane	0.2	0.6603404	1	0.4843603	5	0.5173915	20	0.5319154	50	0.5345409	100	0.5106716
2-Chloroethyl Vinyl Ether	1	0	5	2.117564E-02	25	5.047338E-02	100	0.1163377	250	0.1495266	500	0.1528417
cis-1,3-Dichloropropene	0.2	0.4507688	1	0.580126	5	0.5442463	20	0.5994065	50	0.6214545	100	0.5828153
4-Methyl-2-pentanone	1	0	5	4.489235E-02	25	4.047381E-02	100	5.040262E-02	250	4.597459E-02	500	4.320079E-02
Toluene	0.2	0	1	0.8322361	5	0.7228087	20	0.7611497	50	0.7709031	100	0.7327633
trans-1,3-Dichloropropene	0.2	0.3488668	1	0.5584862	5	0.4402746	20	0.4989761	50	0.5056609	100	0.4620594
Ethyl Methacrylate	0.2	0	1	0.4369676	5	0.3960162	20	0.4784739	50	0.47325	100	0.4440635
1,1,2-Trichloroethane	0.2	0	1	0.3461616	5	0.291369	20	0.3004889	50	0.3015254	100	0.2840139
1,3-Dichloropropane	0.2	0	1	0.6290669	5	0.555932	20	0.5875407	50	0.5837365	100	0.5514672
Tetrachloroethene	0.2	0	1	0.1777002	5	0.3312601	20	0.3192749	50	0.3468595	100	0.3458462
2-Hexanone	1	0	5	0.2461002	25	0.2542623	100	0.3272361	250	0.2970349	500	0.2665461
Dibromochloromethane	0.2	0.2906535	1	0.2603495	5	0.2739836	20	0.3117213	50	0.3203275	100	0.3051617
1,2-Dibromoethane	0.2	0	1	0.2638452	5	0.2983132	20	0.2988854	50	0.322266	100	0.2948322
Chlorobenzene	0.2	0	1	0.7063894	5	0.7472387	20	0.7607488	50	0.8036382	100	0.7746858
1,1,1,2-Tetrachloroethane	0.2	0.2840477	1	0.2435366	5	0.2132768	20	0.2614637	50	0.2761685	100	0.2622711
Ethylbenzene	0.2	0	1	0.3562327	5	0.3629354	20	0.3919429	50	0.4225946	100	0.3873192
m,p-Xylenes	0.4	0	2	0.4503264	10	0.4421989	40	0.4853094	100	0.496674	200	0.4886988
o-Xylene	0.2	0	1	0.4346371	5	0.4441399	20	0.4604771	50	0.4919662	100	0.4714157
Styrene	0.2	0	1	0.7281961	5	0.6813615	20	0.7834057	50	0.8707406	100	0.8483979
Bromoform	0.2	5.243323E-02	1	5.859528E-02	5	0.1462953	20	0.1617545	50	0.168585	100	0.1668081
Isopropylbenzene	0.2	0	1	0.8571224	5	0.9697186	20	1.090855	50	1.144667	100	1.08869
1,1,2,2-Tetrachloroethane	0.2	0.4846978	1	0.3678019	5	0.3751002	20	0.4149004	50	0.4018475	100	0.3609996
Bromobenzene	0.2	0	1	0.3058773	5	0.2470437	20	0.270625	50	0.2855355	100	0.275122

INITIAL CALIBRATION DATA
EPA 8260B

Laboratory: ENCO Jacksonville
SDG: BR006-004
Client: Tetra Tech NUS (BR006)
Project: CTO #0025 Quarterly
Calibration: 0612004
Instrument: JVGCMS1
Matrix: Water
Calibration Date: 11/30/06 09:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2,3-Trichloropropane	0.2	0.5350667	1	0.4547793	5	0.4935353	20	0.5743583	50	0.5389843	100	0.4861114
trans-1,4-Dichloro-2-butene	0.2	~~0~~	1	0.1461553	5	0.142865	20	0.1517414	50	0.1363605	100	0.1273112
n-Propyl Benzene	0.2	~~0~~	1	1.484691	5	1.479836	20	1.617666	50	1.717671	100	1.623803
2-Chlorotoluene	0.2	~~0~~	1	2.245793	5	2.345773	20	2.279723	50	2.270726	100	2.202403
1,3,5-Trimethylbenzene	0.2	~~0~~	1	2.024604	5	1.88962	20	2.136336	50	2.259376	100	2.107292
4-Chlorotoluene	0.2	~~0~~	1	2.214925	5	2.007918	20	2.215175	50	2.234617	100	2.174927
tert-Butylbenzene	0.2	~~0~~	1	1.495112	5	1.477466	20	1.637827	50	1.711954	100	1.676964
1,2,4-Trimethylbenzene	0.2	~~0~~	1	1.832199	5	2.076745	20	2.243341	50	2.367686	100	2.261212
sec-Butylbenzene	0.2	~~0~~	1	2.284047	5	2.521036	20	2.768656	50	2.85426	100	2.710145
1,3-Dichlorobenzene	0.2	~~0~~	1	1.281119	5	1.114931	20	1.123647	50	1.162306	100	1.124015
4-Isopropyltoluene	0.2	~~0~~	1	1.767622	5	1.689125	20	1.984851	50	2.135973	100	2.081691
1,4-Dichlorobenzene	0.2	~~0~~	1	1.275438	5	1.063806	20	1.142237	50	1.172141	100	1.172395
n-Butyl Benzene	0.2	~~0~~	1	1.982752	5	1.982981	20	2.253824	50	2.352202	100	2.282808
1,2-Dichlorobenzene	0.2	~~0~~	1	1.03853	5	0.9791866	20	1.083838	50	1.12923	100	1.074542
1,2-Dibromo-3-chloropropane	0.2	~~0~~	1	5.946362E-02	5	9.809863E-02	20	0.1061258	50	0.1090568	100	0.1116976
1,2,4-Trichlorobenzene	0.2	~~0~~	1	0.5537312	5	0.5660412	20	0.5838868	50	0.638422	100	0.647462
Hexachlorobutadiene	0.2	~~0~~	1	0.1111629	5	0.1440078	20	0.1701205	50	0.1765023	100	0.1774448
Naphthalene	0.2	~~0~~	1	1.8197	5	1.344917	20	1.609407	50	1.682724	100	1.635245
1,2,3-Trichlorobenzene	0.2	~~0~~	1	0.586493	5	0.5401117	20	0.5677634	50	0.6050382	100	0.5748309
Dibromofluoromethane	50	~~0.3701885~~	50	0.354325	50	0.3547079	50	0.3605933	50	0.36206	50	0.364917
Toluene-d8	50	~~1.271092~~	50	1.307543	50	1.294722	50	1.311751	50	1.329164	50	1.353979
4-Bromofluorobenzene	50	~~0.5378246~~	50	0.5540134	50	0.5710301	50	0.559818	50	0.5710208	50	0.5968494
1,2-Dichloroethane-d4	50	~~1.117654~~	50	1.085556	50	1.004396	50	1.044627	50	0.9939997	50	0.9610773

INITIAL CALIBRATION DATA (Continued)

EPA 8260B

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Calibration:	0612004	Instrument:	JVGCMS1
Matrix:	Water	Calibration Date:	11/30/06 09:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Dichlorodifluoromethane	200	0.5109127										
Chloromethane	200	0.974821										
Vinyl chloride	200	0.8559908										
Bromomethane	200	0.4421445										
Chloroethane	200	0.5296387										
Trichlorofluoromethane	200	0.9066765										
Acrolein	1000	0.2003366										
1,1-Dichloroethene	200	0.6622854										
Acetone	1000	0.236633										
Iodomethane	1000	0.92213										
Carbon disulfide	1000	2.468094										
Acetonitrile	2000	0.122463										
3-Chloropropene	200	1.27716										
Methylene Chloride	200	0.8645883										
Acrylonitrile	1000	0.4423922										
Methyl-tert-Butyl Ether	200	1.958143										
trans-1,2-Dichloroethene	200	0.7593701										
1,1-Dichloroethane	200	1.441537										
Vinyl acetate	1000	~~1.88214~~										
Isopropyl Ether	200	3.079636										
Chloroprene	200	0.6310418										
2-Butanone	1000	8.042822E-02										
cis-1,2-Dichloroethene	200	0.8411498										
2,2-Dichloropropane	200	0.7913921										
Propionitrile	2000	0.1104053										
Methacrylonitrile	2000	0.5437753										
Bromochloromethane	200	0.3097922										
Chloroform	200	1.387334										
1,1,1-Trichloroethane	200	1.028823										
1,1-Dichloropropene	200	1.045315										
Isobutyl alcohol	4000	0.0676805										

INITIAL CALIBRATION DATA (Continued)

EPA 8260B

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Calibration:	0612004	Instrument:	JVGCMS1
Matrix:	Water	Calibration Date:	11/30/06 09:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Carbon Tetrachloride	200	0.3974334										
1,2-Dichloroethane	200	0.4949146										
Benzene	200	1.321551										
Trichloroethene	200	0.302139										
1,2-Dichloropropane	200	0.3860918										
Methyl Methacrylate	200	0.2566334										
1,4-Dioxane	4000	3.317532E-03										
Dibromomethane	200	0.2383189										
Bromodichloromethane	200	0.5222266										
2-Chloroethyl Vinyl Ether	1000	0.171795										
cis-1,3-Dichloropropene	200	0.5933154										
4-Methyl-2-pentanone	1000	4.695378E-02										
Toluene	200	0.7334865										
trans-1,3-Dichloropropene	200	0.4576566										
Ethyl Methacrylate	200	0.457751										
1,1,2-Trichloroethane	200	0.2805485										
1,3-Dichloropropane	200	0.5410367										
Tetrachloroethene	200	~~0.207303~~										
2-Hexanone	1000	0.2626613										
Dibromochloromethane	200	0.3157025										
1,2-Dibromoethane	200	0.2963606										
Chlorobenzene	200	0.7617193										
1,1,1,2-Tetrachloroethane	200	0.2593994										
Ethylbenzene	200	0.3949464										
m,p-Xylenes	400	0.4910323										
o-Xylene	200	0.4774095										
Styrene	200	0.8296991										
Bromoform	200	0.1738215										
Isopropylbenzene	200	1.07862										
1,1,2,2-Tetrachloroethane	200	0.412203										
Bromobenzene	200	0.2826647										

INITIAL CALIBRATION DATA (Continued)

EPA 8260B

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Calibration:	0612004	Instrument:	JVGCMS1
Matrix:	Water	Calibration Date:	11/30/06 09:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2,3-Trichloropropane	200	0.4933462										
trans-1,4-Dichloro-2-butene	200	0.1209867										
n-Propyl Benzene	200	1.59285										
2-Chlorotoluene	200	2.160634										
1,3,5-Trimethylbenzene	200	2.155277										
4-Chlorotoluene	200	2.13496										
tert-Butylbenzene	200	1.726945										
1,2,4-Trimethylbenzene	200	2.264591										
sec-Butylbenzene	200	2.734621										
1,3-Dichlorobenzene	200	1.13866										
4-Isopropyltoluene	200	2.086401										
1,4-Dichlorobenzene	200	1.171586										
n-Butyl Benzene	200	2.266742										
1,2-Dichlorobenzene	200	1.109524										
1,2-Dibromo-3-chloropropane	200	0.1204406										
1,2,4-Trichlorobenzene	200	0.6728036										
Hexachlorobutadiene	200	0.1839823										
Naphthalene	200	1.730267										
1,2,3-Trichlorobenzene	200	0.6100554										
Dibromofluoromethane	50	0.3315153										
Toluene-d8	50	1.270039										
4-Bromofluorobenzene	50	0.5417665										
1,2-Dichloroethane-d4	50	0.8645335										

INITIAL CALIBRATION DATA (Continued)

EPA 8260B

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Calibration:	0612004	Instrument:	JVGCMS1
Matrix:	Water	Calibration Date:	11/30/06 09:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Dichlorodifluoromethane	0.4891056	8.263214	4.126667	0.1238832			15	
Chloromethane	0.9655093	3.728292	4.638333	0.1619998			SPCC (0.1)	
Vinyl chloride	0.8395935	4.076439	4.818333	0.0824676			CCC (20)	
Bromomethane	0.6725491	49.6437	5.585	9.772775E-02	0.9980846		0.99	
Chloroethane	0.6032704	12.85019	5.881667	0.1273458			15	
Trichlorofluoromethane	0.9226812	8.61043	6.201667	6.840952E-02			15	
Acrolein	0.2051294	10.47996	7.888333	5.220398E-02			15	
1,1-Dichloroethene	0.685872	5.063244	7.283333	0.0697844			CCC (20)	
Acetone	0.2787158	14.82686	8.388333	8.930864E-02			15	
Iodomethane	0.7809547	26.43857	7.578333	5.201365E-02	0.9996908		0.99	
Carbon disulfide	2.811647	6.788939	7.378333	5.460098E-02			15	
Acetonitrile	0.1380945	13.60038	9.143333	5.597861E-02			15	
3-Chloropropene	1.210318	9.623492	8.16	2.450681E-02			15	
Methylene Chloride	1.008004	22.77009	8.336667	0.0633192	0.9997634		0.99	
Acrylonitrile	0.4962335	11.97139	9.621428	3.543329E-02			15	
Methyl-tert-Butyl Ether	2.081972	6.324892	8.768334	8.624266E-02			15	
trans-1,2-Dichloroethene	0.7836962	3.333029	8.625	6.076272E-02			15	
1,1-Dichloroethane	1.563742	9.917041	9.575	5.562758E-02			SPCC (0.1)	
Vinyl acetate	1.661521	23.13122	9.87	1.926967E-02	0.9889033		0.99	
Isopropyl Ether	3.292947	3.861236	9.35	1.232276E-02			15	
Chloroprene	0.598233	7.346196	9.548333	4.627723E-02			15	
2-Butanone	8.788243E-02	10.69049	11.02167	6.799587E-02			15	
cis-1,2-Dichloroethene	0.837048	2.083256	10.32	0.0147416			15	
2,2-Dichloropropane	0.8906018	9.985542	10.47833	3.896961E-02			15	
Propionitrile	0.1204256	10.82057	11.4	3.753579E-03			15	
Methacrylonitrile	0.6295718	9.847603	11.435	5.313458E-02			15	
Bromochloromethane	0.3448757	9.577937	10.58667	4.882721E-02			15	
Chloroform	1.489974	7.566166	10.65	1.081857E-02			CCC (20)	
1,1,1-Trichloroethane	1.087956	6.039617	10.965	4.730071E-02			15	
1,1-Dichloropropene	1.055627	2.048352	11.115	4.777277E-02			15	
Isobutyl alcohol	7.000844E-02	5.894179	11.50333	4.396352E-02			15	
Carbon Tetrachloride	0.3996015	4.91674	10.885	5.259331E-02			15	

INITIAL CALIBRATION DATA (Continued)

EPA 8260B

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Calibration:	0612004	Instrument:	JVGCMS1
Matrix:	Water	Calibration Date:	11/30/06 09:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dichloroethane	0.5416884	12.04494	11.64333	4.395917E-02			15	
Benzene	1.357218	3.24838	11.42833	4.055526E-02			15	
Trichloroethene	0.3086262	3.801424	12.09333	4.244813E-02			15	
1,2-Dichloropropane	0.3922777	5.501212	12.69	1.313138E-02			CCC (20)	
Methyl Methacrylate	0.2340963	10.34924	12.82833	3.438979E-02			15	
1,4-Dioxane	3.741943E-03	26.1882	12.935	4.115165E-02	0.999133		0.99	
Dibromomethane	0.2458341	7.895044	12.58167	2.722672E-02			15	
Bromodichloromethane	0.5373495	10.55765	12.73	9.976292E-03			15	
2-Chloroethyl Vinyl Ether	0.1103583	55.39909	13.29167	3.035253E-02	0.9972193		0.99	
cis-1,3-Dichloropropene	0.5674475	9.957632	13.41286	3.623176E-02			15	
4-Methyl-2-pentanone	4.531632E-02	7.456596	14.02167	2.686936E-02			15	
Toluene	0.7588912	5.322937	13.68833	3.304316E-02			CCC (20)	
trans-1,3-Dichloropropene	0.4674258	13.99263	14.08857	2.914047E-02			15	
Ethyl Methacrylate	0.4477537	6.700453	14.17333	3.024873E-02			15	
1,1,2-Trichloroethane	0.3006846	7.924853	14.27833	3.250169E-02			15	
1,3-Dichloropropane	0.5747967	5.625288	14.58167	3.017796E-02			15	
Tetrachloroethene	0.3041882	23.54363	14.122	2.611843E-02	0.9997888		0.99	
2-Hexanone	0.2756401	11.12374	14.88167	2.317611E-02			15	
Dibromochloromethane	0.2968428	7.645503	14.49286	5.273439E-02			15	
1,2-Dibromoethane	0.2957504	6.30512	14.78833	0.0245476			15	
Chlorobenzene	0.75907	4.230163	15.3	1.718374E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.2571663	9.04347	15.34429	3.216631E-02			15	
Ethylbenzene	0.3859952	6.211594	15.28	9.388808E-03			CCC (20)	
m,p-Xylenes	0.4757066	4.887123	15.415	3.330498E-02			15	
o-Xylene	0.4633409	4.612091	15.83833	2.892547E-02			15	
Styrene	0.7903002	9.32762	15.88167	2.888939E-02			15	
Bromoform	0.1326133	40.26265	15.96143	2.545645E-02	0.9996598		SPCC (0.1)	
Isopropylbenzene	1.038279	10.17184	16.11333	2.495369E-02			15	
1,1,2,2-Tetrachloroethane	0.4025072	10.48271	16.53857	2.007184E-02			SPCC (0.3)	
Bromobenzene	0.2778114	6.973197	16.54	1.557433E-02			15	
1,2,3-Trichloropropane	0.5108831	7.899974	16.70571	2.461927E-02			15	
trans-1,4-Dichloro-2-butene	0.13757	8.503743	16.70333	2.260211E-02			15	

INITIAL CALIBRATION DATA (Continued)

EPA 8260B

Laboratory:	ENCO Jacksonville	SDG:	BR006-004
Client:	Tetra Tech NUS (BR006)	Project:	CTO #0025 Quarterly
Calibration:	0612004	Instrument:	JVGCMS1
Matrix:	Water	Calibration Date:	11/30/06 09:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
n-Propyl Benzene	1.586086	5.733572	16.48833	3.367371E-02			15	
2-Chlorotoluene	2.250842	2.862084	16.68	9.120699E-03			15	
1,3,5-Trimethylbenzene	2.095418	6.02326	16.63667	3.700984E-02			15	
4-Chlorotoluene	2.163754	3.895487	16.82833	2.621553E-02			15	
tert-Butylbenzene	1.621045	6.721607	16.96167	2.396541E-02			15	
1,2,4-Trimethylbenzene	2.174296	8.832853	17.015	0.0366926			15	
sec-Butylbenzene	2.645461	7.87505	17.12833	1.023672E-02			15	
1,3-Dichlorobenzene	1.157446	5.428462	17.40333	2.577167E-02			15	
4-Isopropyltoluene	1.95761	9.4942	17.23333	3.383868E-02			15	
1,4-Dichlorobenzene	1.166267	5.827331	17.47	0.1696904			15	
n-Butyl Benzene	2.186885	7.391293	17.64667	0.0328921			15	
1,2-Dichlorobenzene	1.069142	5.039583	17.91333	0.0300671			15	
1,2-Dibromo-3-chloropropane	0.1008138	21.35316	18.74	3.494366E-02	0.9986308		0.99	
1,2,4-Trichlorobenzene	0.6103911	8.004216	19.50333	2.593028E-02			15	
Hexachlorobutadiene	0.1605368	17.38199	19.405	4.641348E-02	0.999727		0.99	
Naphthalene	1.637043	9.859078	19.93	2.009993E-02			15	
1,2,3-Trichlorobenzene	0.5807154	4.448555	20.185	2.613821E-02			15	
Dibromofluoromethane	0.3546864	3.408894	10.89	1.492901E-02			15	
Toluene-d8	1.3112	2.192469	13.63	1.100379E-02			15	
4-Bromofluorobenzene	0.5657497	3.32656	16.40833	1.767008E-02			15	
1,2-Dichloroethane-d4	0.9923649	7.658875	11.56333	0.0440664			15	

VOLATILES SAMPLE RAW DATA

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4030.D Vial: 30
Acq On : 5 Dec 2006 00:50 Operator: jdb
Sample : 6L05009-BLK1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:26 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.43	168	284605	50.00 ug/L	-0.01
38) 1,4-DIFLUOROBENZENE (IS)	12.09	114	644516	50.00 ug/L	-0.01
55) CHLOROBENZENE-d5(IS)	15.27	117	676654	50.00 ug/L	-0.01
81) 1,4-DICHLOROBENZENE-d4(IS)	17.45	152	309883	50.00 ug/L	-0.01
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.87	113	226400	48.04 ug/L	-0.01
Spiked Amount 50.000 Range 71 - 136 Recovery = 96.08%					
41) d4-1,2-Dichloroethane(surr	11.56	65	281632	45.79 µg/L	-0.01
Spiked Amount 50.000 Range 70 - 130 Recovery = 91.58%					
54) D8-Toluene (surr)	13.62	98	839694	49.90 ug/L	-0.01
Spiked Amount 50.000 Range 75 - 126 Recovery = 99.80%					
75) Bromofluorobenzene (surr)	16.40	95	373771m	49.17 ug/L	-0.01
Spiked Amount 50.000 Range 76 - 120 Recovery = 98.34%					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.00	85		N.D.	
3) Chloromethane	0.00	50		N.D.	
4) Vinyl Chloride	0.00	62		N.D.	
5) Bromomethane	5.49	94	310	-5.16 ug/L	83
6) Chloroethane	0.00	64		N.D.	
7) Trichlorofluoromethane	0.00	101		N.D.	
8) Ethanol	7.08	45	395	-58.75 ug/L	72
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		No Calib #	
10) acrolein	0.00	56		N.D. d	
11) 1,1,2Trichloro-1,2,2triflu	0.00	151		N.D.	
12) 1,1-Dichloroethene	0.00	96		N.D.	
13) Acetone	0.00	43		N.D. d	
14) Iodomethane	0.00	142		N.D. d	
15) Carbon disulfide	7.36	76	3294	0.21 ug/L	74
16) Acetonitrile	0.00	41		N.D. d	
17) 3-chloropropene	0.00	41		N.D.	
18) Methylene Chloride	8.32	84	2393	-1.07 ug/L #	50
19) Acrylonitrile	0.00	53		N.D.	
20) Methyl tert-butyl ether	0.00	73		N.D.	
21) t-1,2-Dichloroethene	0.00	96		N.D.	
22) 1,1-Dichloroethane	0.00	63		N.D.	
23) Vinyl Acetate	9.87	43	299	-20.64 ug/L #	6
24) Isopropyl ether	0.00	45		N.D.	
25) Chloroprene	0.00	88		N.D.	
26) 2-Butanone	0.00	72		N.D. d	
27) c-1,2-Dichloroethene	0.00	96		N.D.	
28) 2,2-Dichloropropane	0.00	77		N.D.	
29) Propionitrile	0.00	54		N.D. d	
30) Methacrylonitrile	0.00	41		N.D.	
31) Bromochloromethane	0.00	128		N.D.	
32) Chloroform	0.00	83		N.D.	
33) Dibromofluoromethane	10.87	113	226400	48.04 ug/L	81
35) 1,1,1-Trichloroethane	0.00	97		N.D.	
36) 1,1-Dichloropropene	0.00	75		N.D.	
37) Isobutyl alcohol	0.00	43		N.D. d	
39) Carbon Tetrachloride	0.00	117		N.D. d	
40) d4-1,2-Dichloroethane	11.56	65	281632	45.79 µg/L #	80
42) 1,2-Dichloroethane	0.00	62		N.D.	
43) Benzene	0.00	78		N.D.	
44) Trichloroethene	0.00	130		N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4030.D Vial: 30
Acq On : 5 Dec 2006 00:50 Operator: jdb
Sample : 6L05009-BLK1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:26 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

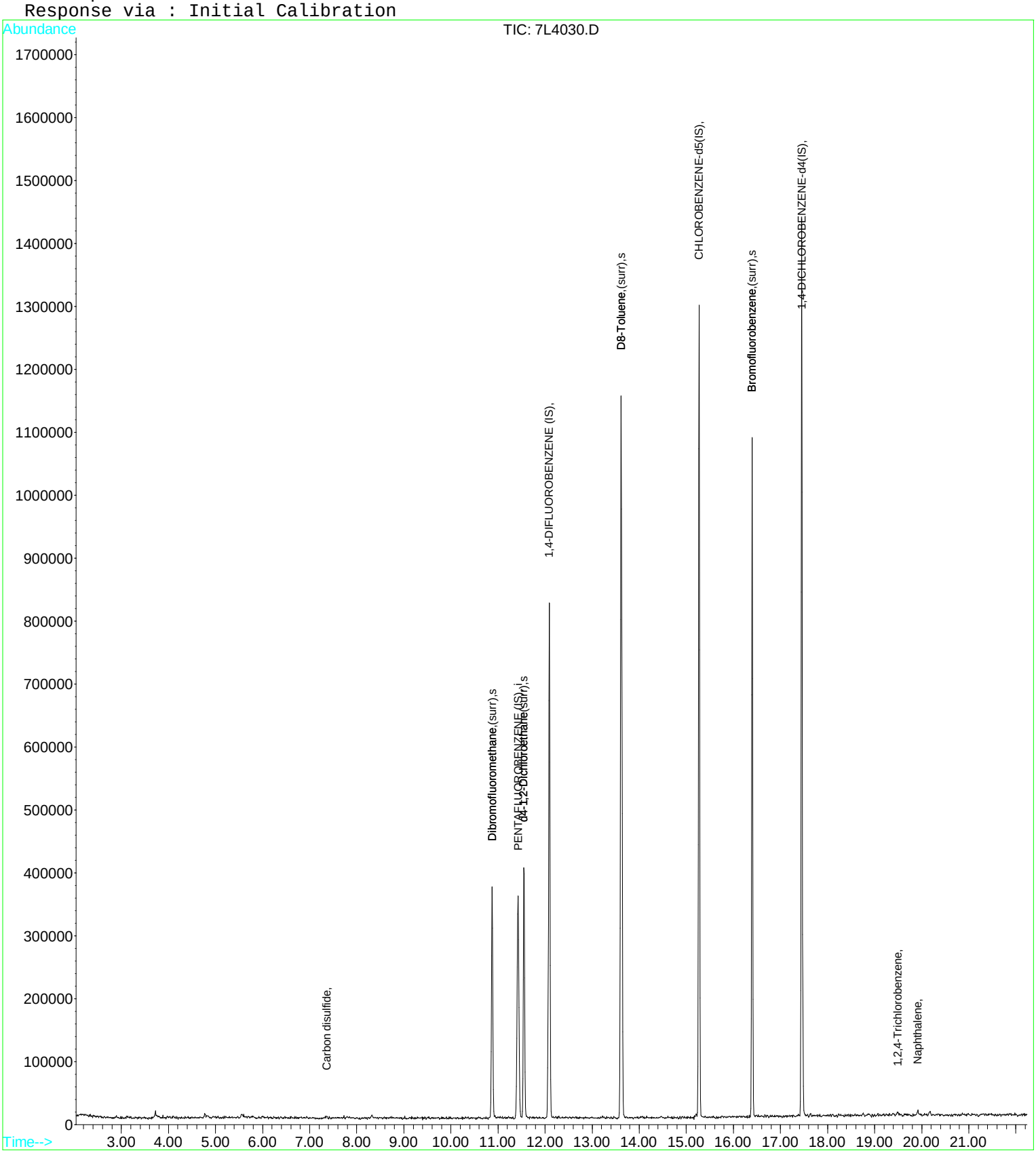
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
45)	1,2-Dichloropropane	0.00	63		N.D.	
46)	Methyl methacrylate	0.00	69		N.D.	
47)	1,4-Dioxane	12.87	88	115	-3.31 ug/L #	1
48)	Dibromomethane	0.00	93		N.D.	
49)	Bromodichloromethane	0.00	83		N.D.	
50)	2-Chloroethyl vinyl ether	0.00	63		N.D. d	
51)	C-1,3-Dichloropropene	0.00	75		N.D.	
52)	4-Methyl-2-pentanone	0.00	100		N.D. d	
53)	D8-Toluene	13.62	98	839694	49.90 ug/L	99
56)	Toluene	0.00	92		N.D.	
57)	T-1,3-Dichloropropene	0.00	75		N.D.	
58)	Ethyl methacrylate	0.00	69		N.D.	
59)	1,1,2-Trichloroethane	0.00	97		N.D.	
60)	1,3-Dichloropropane	0.00	76		N.D.	
61)	Tetrachloroethene	0.00	164		N.D. d	
62)	2-Hexanone	0.00	43		N.D. d	
63)	Dibromochloromethane	0.00	129		N.D.	
64)	1,2-Dibromoethane	0.00	107		N.D.	
65)	Chlorobenzene	0.00	112		N.D.	
66)	1,1,1,2-Tetrachloroethane	0.00	131		N.D.	
67)	Ethylbenzene	0.00	106		N.D.	
68)	m-xylene & p-xylene	0.00	106		N.D.	
69)	O-Xylene	0.00	106		N.D.	
70)	Styrene	0.00	104		N.D.	
71)	Bromoform	0.00	173		N.D. d	
72)	Isopropylbenzene	0.00	105		N.D.	
73)	C-1,4-Dichloro-2-butene	16.40	53	375	-2.31 ug/L #	1
74)	Bromofluorobenzene	16.40	95	373771m	49.17 ug/L	91
76)	1,1,2,2-Tetrachloroethane	0.00	83		N.D.	
77)	Bromobenzene	0.00	156		N.D.	
78)	1,2,3-Trichloropropane	0.00	75		N.D.	
79)	T-1,4-Dichloro-2-Butene	0.00	53		N.D.	
80)	n-Propylbenzene	0.00	91		N.D.	
82)	2-Chlorotoluene	0.00	91		N.D.	
83)	1,3,5-Trimethylbenzene	0.00	105		N.D.	
84)	4-Chlorotoluene	0.00	91		N.D.	
85)	tert-Butylbenzene	0.00	119		N.D.	
86)	Pentachloroethane	0.00	167		No Calib #	
87)	1,2,4-Trimethylbenzene	0.00	105		N.D.	
88)	s-Butylbenzene	0.00	105		N.D.	
89)	1,3-Dichlorobenzene	0.00	146		N.D.	
90)	p-Isopropyltoluene	0.00	119		N.D.	
91)	1,4-Dichlorobenzene	0.00	146		N.D.	
92)	n-Butylbenzene	0.00	91		N.D.	
93)	1,2-Dichlorobenzene	0.00	146		N.D.	
94)	DBCP	0.00	157		N.D. d	
95)	1,2,4-Trichlorobenzene	19.49	180	1143	0.30 ug/L #	60
96)	Hexachlorobutadiene	0.00	225		N.D. d	
97)	Naphthalene	19.92	128	5815	0.57 ug/L	92
98)	1,2,3-Trichlorobenzene	0.00	180		N.D. d	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4030.D Vial: 30
Acq On : 5 Dec 2006 00:50 Operator: jdb
Sample : 6L05009-BLK1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:26 2006 Quant Results File: 8260W6L1.RES

Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4033.D Vial: 33
Acq On : 5 Dec 2006 2:22 Operator: jdb
Sample : 6L05009-BS1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:46 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.43	168	279202	50.00 ug/L	0.00
38) 1,4-DIFLUOROBENZENE (IS)	12.09	114	642595	50.00 ug/L	0.00
55) CHLOROBENZENE-d5(IS)	15.27	117	678508	50.00 ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.46	152	307615	50.00 ug/L	0.00
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.88	113	227193	49.14 ug/L	0.00
Spiked Amount 50.000 Range 71 - 136 Recovery = 98.28%					
41) d4-1,2-Dichloroethane(surr	11.55	65	293501	47.86 µg/L	-0.02
Spiked Amount 50.000 Range 70 - 130 Recovery = 95.72%					
54) D8-Toluene (surr)	13.62	98	827047	49.29 ug/L	0.00
Spiked Amount 50.000 Range 75 - 126 Recovery = 98.58%					
75) Bromofluorobenzene (surr)	16.40	95	364429	47.81 ug/L	0.00
Spiked Amount 50.000 Range 76 - 120 Recovery = 95.62%					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.11	85	81114	29.70 ug/L	99
3) Chloromethane	4.62	50	134386	24.93 ug/L	97
4) Vinyl Chloride	4.81	62	105083	22.41 ug/L	95
5) Bromomethane	5.58	94	58283	18.80 ug/L	94
6) Chloroethane	5.87	64	72073	21.39 ug/L	96
7) Trichlorofluoromethane	6.18	101	113031	21.94 ug/L	98
8) Ethanol	7.03	45	3346	12.76 ug/L	89
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		No Calib #	
10) acrolein	7.88	56	73442	64.12 ug/L	90
11) 1,1,2Trichloro-1,2,2triflu	7.34	151	36374	17.19 ug/L #	44
12) 1,1-Dichloroethene	7.27	96	62378	16.29 ug/L #	79
13) Acetone	8.37	43	67217	43.19 ug/L	99
14) Iodomethane	7.56	142	69542	17.76 ug/L	94
15) Carbon disulfide	7.36	76	272533	17.36 ug/L	97
16) Acetonitrile	9.13	41	16611	21.54 ug/L	86
17) 3-chloropropene	8.15	41	126214m	18.67 ug/L	77
18) Methylene Chloride	8.32	84	95316	18.24 ug/L #	72
19) Acrylonitrile	9.61	53	34335	12.39 ug/L	94
20) Methyl tert-butyl ether	8.76	73	228261	19.63 ug/L	90
21) t-1,2-Dichloroethene	8.61	96	79510	18.17 ug/L #	87
22) 1,1-Dichloroethane	9.56	63	165847	18.99 ug/L	94
23) Vinyl Acetate	9.86	43	228452m	11.93 ug/L	94
24) Isopropyl ether	9.33	45	364245	19.81 ug/L #	77
25) Chloroprene	9.54	88	56943	17.05 ug/L	99
26) 2-Butanone	11.01	72	22370	45.58 ug/L #	35
27) c-1,2-Dichloroethene	10.31	96	82495	17.65 ug/L	92
28) 2,2-Dichloropropane	10.46	77	77025	15.49 ug/L	99
29) Propionitrile	11.39	54	13485	20.05 ug/L #	1
30) Methacrylonitrile	11.42	41	62326	17.73 ug/L	93
31) Bromochloromethane	10.57	128	37153	19.29 ug/L	96
32) Chloroform	10.64	83	156641	18.83 ug/L	98
33) Dibromofluoromethane	10.88	113	227193	49.14 ug/L	83
35) 1,1,1-Trichloroethane	10.96	97	113793	18.73 ug/L	85
36) 1,1-Dichloropropene	11.10	75	113426	19.24 ug/L	92
37) Isobutyl alcohol	11.48	43	100776	257.79 ug/L #	48
39) Carbon Tetrachloride	10.88	117	84453	16.44 ug/L	95
40) d4-1,2-Dichloroethane	11.55	65	293501	47.86 µg/L #	81
42) 1,2-Dichloroethane	11.63	62	120542	17.31 ug/L #	15
43) Benzene	11.41	78	317375	18.20 ug/L	100
44) Trichloroethene	12.08	130	68717	17.32 ug/L	94

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4033.D Vial: 33
Acq On : 5 Dec 2006 2:22 Operator: jdb
Sample : 6L05009-BS1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:46 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

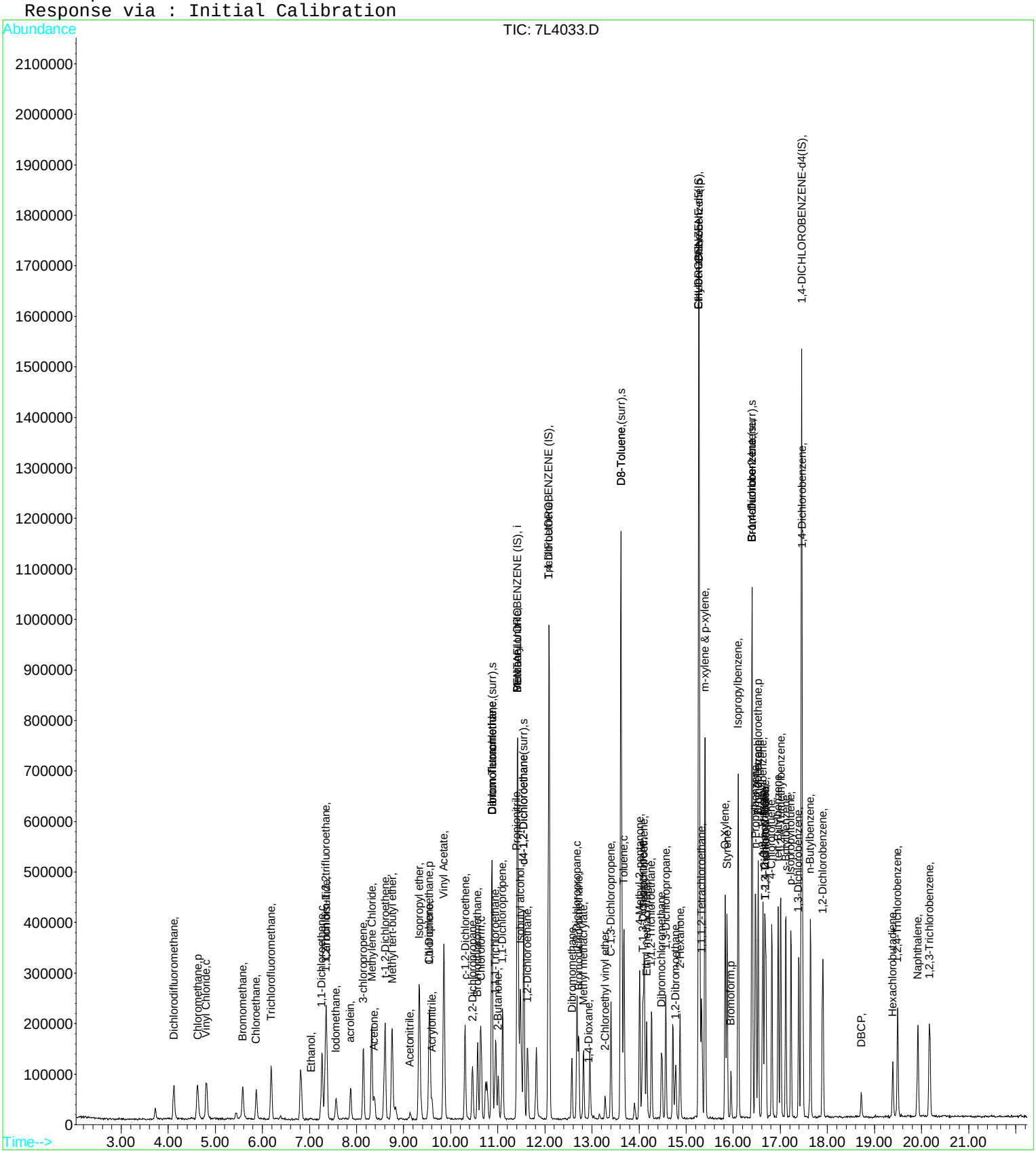
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45)	1,2-Dichloropropane	12.68	63	92060	18.26 ug/L		88
46)	Methyl methacrylate	12.82	69	57260	19.03 ug/L		77
47)	1,4-Dioxane	12.92	88	454	4.73 ug/L	#	1
48)	Dibromomethane	12.57	93	55074	17.43 ug/L	#	70
49)	Bromodichloromethane	12.72	83	111312	16.12 ug/L		99
50)	2-Chloroethyl vinyl ether	13.28	63	21411	35.27 ug/L		83
51)	C-1,3-Dichloropropene	13.40	75	127619	17.50 ug/L		96
52)	4-Methyl-2-pentanone	14.01	100	25670	44.08 ug/L	#	2
53)	D8-Toluene	13.62	98	827047	49.29 ug/L		99
56)	Toluene	13.68	92	179626	17.44 ug/L		95
57)	T-1,3-Dichloropropene	14.07	75	116892	18.43 ug/L		99
58)	Ethyl methacrylate	14.16	69	100290	16.51 ug/L		85
59)	1,1,2-Trichloroethane	14.26	97	67680	16.59 ug/L		87
60)	1,3-Dichloropropane	14.57	76	129624	16.62 ug/L		99
61)	Tetrachloroethene	14.11	164	70952	15.68 ug/L		91
62)	2-Hexanone	14.87	43	162678	43.49 ug/L		86
63)	Dibromochloromethane	14.48	129	66154	16.42 ug/L		92
64)	1,2-Dibromoethane	14.77	107	72402	18.04 ug/L		99
65)	Chlorobenzene	15.29	112	183436	17.81 ug/L		99
66)	1,1,1,2-Tetrachloroethane	15.33	131	61272	17.56 ug/L		98
67)	Ethylbenzene	15.27	106	88729	16.94 ug/L	#	69
68)	m-xylene & p-xylene	15.41	106	228718	35.43 ug/L		92
69)	O-Xylene	15.83	106	110014	17.50 ug/L		91
70)	Styrene	15.87	104	186262	17.37 ug/L		96
71)	Bromoform	15.95	173	33460	15.34 ug/L		98
72)	Isopropylbenzene	16.10	105	274703	19.50 ug/L		96
73)	C-1,4-Dichloro-2-butene	16.41	53	25186	11.65 ug/L	#	1
74)	Bromofluorobenzene	16.40	95	364429	47.81 ug/L	#	83
76)	1,1,2,2-Tetrachloroethane	16.53	83	98435	18.02 ug/L		97
77)	Bromobenzene	16.53	156	62433	16.56 ug/L		96
78)	1,2,3-Trichloropropane	16.70	75	115071	16.60 ug/L	#	44
79)	T-1,4-Dichloro-2-Butene	16.70	53	24393	13.07 ug/L	#	95
80)	n-Propylbenzene	16.48	91	377341	17.53 ug/L		89
82)	2-Chlorotoluene	16.67	91	253892	18.33 ug/L		92
83)	1,3,5-Trimethylbenzene	16.63	105	213687	16.58 ug/L		100
84)	4-Chlorotoluene	16.82	91	228900	17.19 ug/L		93
85)	tert-Butylbenzene	16.95	119	169721	17.02 ug/L		94
86)	Pentachloroethane	0.00	167		No Calib		
87)	1,2,4-Trimethylbenzene	17.01	105	234667	17.54 ug/L		98
88)	s-Butylbenzene	17.12	105	296385	18.21 ug/L		87
89)	1,3-Dichlorobenzene	17.40	146	117265	16.47 ug/L		97
90)	p-Isopropyltoluene	17.22	119	213947	17.76 ug/L		93
91)	1,4-Dichlorobenzene	17.48	146	129191	18.01 ug/L		96
92)	n-Butylbenzene	17.63	91	229828	17.08 ug/L		93
93)	1,2-Dichlorobenzene	17.90	146	115174	17.51 ug/L		97
94)	DBCP	18.73	157	10105	16.23 ug/L		84
95)	1,2,4-Trichlorobenzene	19.49	180	63823	17.00 ug/L		98
96)	Hexachlorobutadiene	19.40	225	17828	17.25 ug/L		95
97)	Naphthalene	19.92	128	160028	15.89 ug/L		100
98)	1,2,3-Trichlorobenzene	20.17	180	58203	16.29 ug/L		96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4033.D Vial: 33
Acq On : 5 Dec 2006 2:22 Operator: jdb
Sample : 6L05009-BS1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:46 2006 Quant Results File: 8260W6L1.RES

Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4034.D Vial: 34
Acq On : 5 Dec 2006 2:53 Operator: jdb
Sample : 6L05009-MS1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:34 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.43	168	273654	50.00 ug/L	-0.01
38) 1,4-DIFLUOROBENZENE (IS)	12.09	114	618707	50.00 ug/L	-0.01
55) CHLOROBENZENE-d5(IS)	15.27	117	679978	50.00 ug/L	-0.01
81) 1,4-DICHLOROBENZENE-d4(IS)	17.45	152	314108	50.00 ug/L	-0.01
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.87	113	235547	51.98 ug/L	-0.01
Spiked Amount 50.000 Range 71 - 136 Recovery = 103.96%					
41) d4-1,2-Dichloroethane(surr	11.55	65	282845	47.90 µg/L	-0.01
Spiked Amount 50.000 Range 70 - 130 Recovery = 95.80%					
54) D8-Toluene (surr)	13.62	98	809287	50.10 ug/L	-0.01
Spiked Amount 50.000 Range 75 - 126 Recovery = 100.20%					
75) Bromofluorobenzene (surr)	16.40	95	379519	49.68 ug/L	-0.01
Spiked Amount 50.000 Range 76 - 120 Recovery = 99.36%					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.12	85	113028	42.22 ug/L	99
3) Chloromethane	4.62	50	176320	33.37 ug/L	97
4) Vinyl Chloride	4.81	62	144560	31.46 ug/L	95
5) Bromomethane	5.58	94	80029	28.46 ug/L	93
6) Chloroethane	5.87	64	89564	27.13 ug/L	95
7) Trichlorofluoromethane	6.19	101	157162	31.12 ug/L	97
8) Ethanol	7.03	45	4913	53.04 ug/L	82
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		No Calib #	
10) acrolein	7.88	56	30647	27.30 ug/L	98
11) 1,1,2Trichloro-1,2,2triflu	7.34	151	52474	25.30 ug/L #	53
12) 1,1-Dichloroethene	7.26	96	87168	23.22 ug/L	88
13) Acetone	8.38	43	83912	55.01 ug/L	95
14) Iodomethane	7.56	142	90563	22.15 ug/L	83
15) Carbon disulfide	7.36	76	353570	22.98 ug/L	99
16) Acetonitrile	9.13	41	14157	18.73 ug/L	77
17) 3-chloropropene	8.14	41	170580m	25.75 ug/L	97
18) Methylene Chloride	8.32	84	114501	22.70 ug/L #	72
19) Acrylonitrile	9.61	53	42991	15.83 ug/L	92
20) Methyl tert-butyl ether	8.75	73	264298	23.19 ug/L	87
21) t-1,2-Dichloroethene	8.61	96	101279	23.61 ug/L #	87
22) 1,1-Dichloroethane	9.56	63	203765	23.81 ug/L	96
23) Vinyl Acetate	9.85	43	50103	-13.39 ug/L	83
24) Isopropyl ether	9.34	45	430176	23.87 ug/L #	77
25) Chloroprene	9.53	88	76206	23.27 ug/L	98
26) 2-Butanone	11.01	72	26067	54.19 ug/L #	51
27) c-1,2-Dichloroethene	10.30	96	102685	22.41 ug/L	96
28) 2,2-Dichloropropane	10.47	77	103101	21.15 ug/L	97
29) Propionitrile	11.39	54	14243	21.61 ug/L #	1
30) Methacrylonitrile	11.42	41	71322	20.70 ug/L	92
31) Bromochloromethane	10.57	128	45070	23.88 ug/L	99
32) Chloroform	10.64	83	183834	22.54 ug/L	99
33) Dibromofluoromethane	10.87	113	235547	51.98 ug/L	78
35) 1,1,1-Trichloroethane	10.95	97	142371	23.91 ug/L	87
36) 1,1-Dichloropropene	11.10	75	143470	24.83 ug/L	96
37) Isobutyl alcohol	11.49	43	116980m	305.30 ug/L	83
39) Carbon Tetrachloride	10.87	117	117477	23.76 ug/L	95
40) d4-1,2-Dichloroethane	11.55	65	282845	47.90 µg/L #	80
42) 1,2-Dichloroethane	11.63	62	144345	21.53 ug/L #	14
43) Benzene	11.42	78	397597	23.67 ug/L	97
44) Trichloroethene	12.08	130	85574	22.41 ug/L	95

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4034.D Vial: 34
Acq On : 5 Dec 2006 2:53 Operator: jdb
Sample : 6L05009-MS1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:34 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

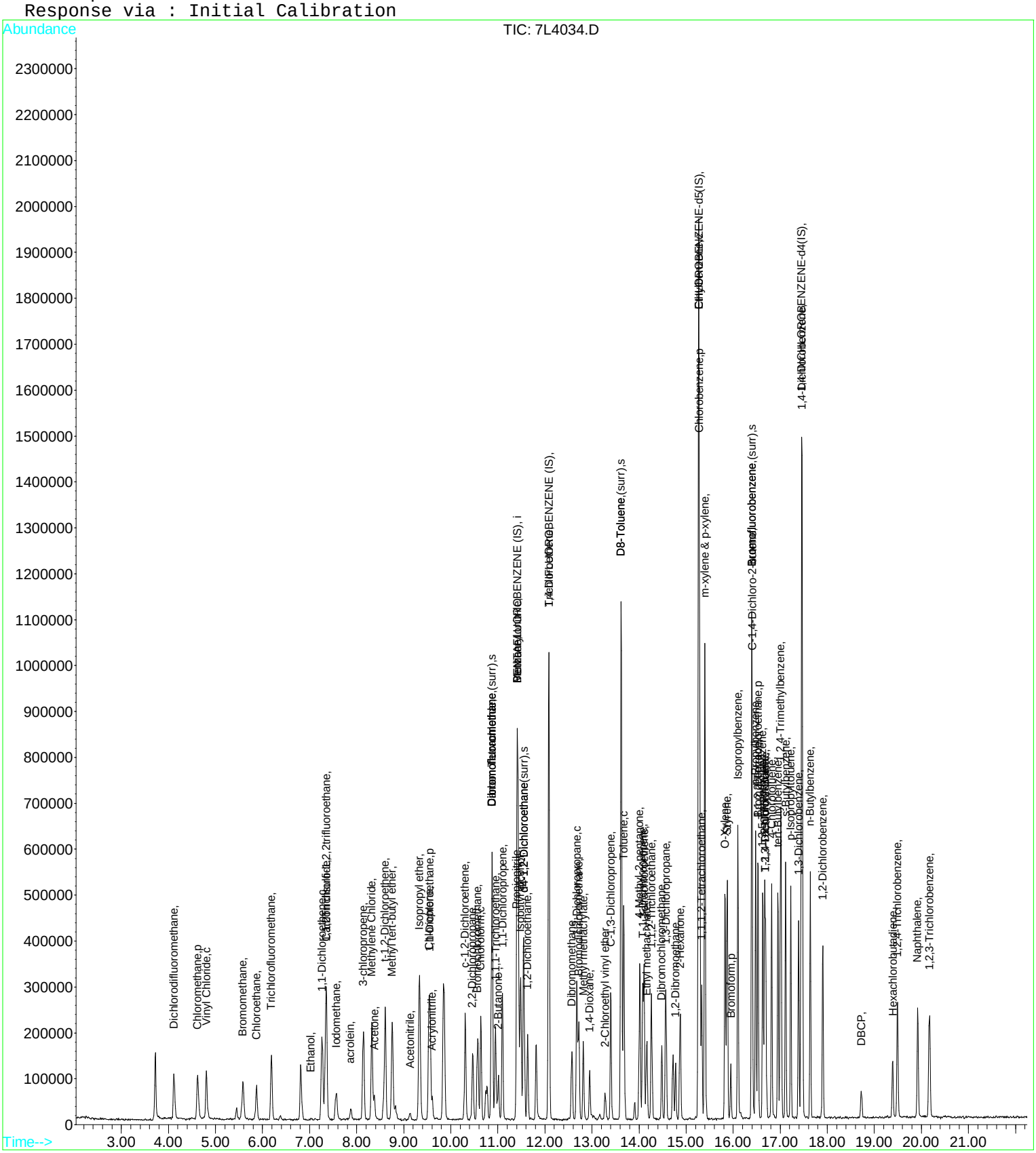
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45)	1,2-Dichloropropane	12.68	63	118425m	24.40 ug/L		94
46)	Methyl methacrylate	12.82	69	64734	22.35 ug/L		85
47)	1,4-Dioxane	12.93	88	1259	24.95 ug/L	#	1
48)	Dibromomethane	12.57	93	67984	22.35 ug/L	#	71
49)	Bromodichloromethane	12.72	83	135632	20.40 ug/L		98
50)	2-Chloroethyl vinyl ether	13.28	63	22941	36.36 ug/L		86
51)	C-1,3-Dichloropropene	13.41	75	159281	22.68 ug/L		95
52)	4-Methyl-2-pentanone	14.02	100	29657	52.89 ug/L	#	1
53)	D8-Toluene	13.62	98	809287	50.10 ug/L		97
56)	Toluene	13.67	92	221843	21.50 ug/L		94
57)	T-1,3-Dichloropropene	14.08	75	143900	22.64 ug/L		97
58)	Ethyl methacrylate	14.16	69	98134	16.12 ug/L		85
59)	1,1,2-Trichloroethane	14.27	97	82031	20.06 ug/L		86
60)	1,3-Dichloropropane	14.57	76	162777	20.82 ug/L		97
61)	Tetrachloroethene	14.11	164	67906	15.00 ug/L		91
62)	2-Hexanone	14.88	43	183813	49.04 ug/L		91
63)	Dibromochloromethane	14.48	129	80523	19.95 ug/L		99
64)	1,2-Dibromoethane	14.78	107	84986	21.13 ug/L		99
65)	Chlorobenzene	15.29	112	225162	21.81 ug/L		98
66)	1,1,1,2-Tetrachloroethane	15.33	131	73829	21.11 ug/L		93
67)	Ethylbenzene	15.27	106	110031	20.96 ug/L	#	74
68)	m-xylene & p-xylene	15.40	106	275787	42.63 ug/L		88
69)	O-Xylene	15.83	106	132739	21.07 ug/L		87
70)	Styrene	15.87	104	236105	21.97 ug/L		96
71)	Bromoform	15.95	173	44810	20.12 ug/L		95
72)	Isopropylbenzene	16.10	105	345073	24.44 ug/L		94
73)	C-1,4-Dichloro-2-butene	16.42	53	31727	15.29 ug/L	#	1
74)	Bromofluorobenzene	16.40	95	379519	49.68 ug/L	#	82
76)	1,1,2,2-Tetrachloroethane	16.53	83	124609	22.76 ug/L		98
77)	Bromobenzene	16.53	156	73866	19.55 ug/L		98
78)	1,2,3-Trichloropropane	16.69	75	138331	19.91 ug/L	#	45
79)	T-1,4-Dichloro-2-Butene	16.69	53	32883	17.58 ug/L	#	88
80)	n-Propylbenzene	16.48	91	479994	22.25 ug/L		89
82)	2-Chlorotoluene	16.67	91	311962	22.06 ug/L		94
83)	1,3,5-Trimethylbenzene	16.63	105	277931	21.11 ug/L		98
84)	4-Chlorotoluene	16.82	91	288936	21.26 ug/L		91
85)	tert-Butylbenzene	16.95	119	218420	21.45 ug/L		96
86)	Pentachloroethane	0.00	167		No Calib		
87)	1,2,4-Trimethylbenzene	17.01	105	280970	20.57 ug/L		99
88)	s-Butylbenzene	17.12	105	382439	23.01 ug/L		86
89)	1,3-Dichlorobenzene	17.39	146	149781	20.60 ug/L		95
90)	p-Isopropyltoluene	17.22	119	262636	21.36 ug/L		97
91)	1,4-Dichlorobenzene	17.47	146	154788	21.13 ug/L		97
92)	n-Butylbenzene	17.64	91	289223	21.05 ug/L		94
93)	1,2-Dichlorobenzene	17.91	146	139369	20.75 ug/L		93
94)	DBCP	18.72	157	13835	20.88 ug/L	#	79
95)	1,2,4-Trichlorobenzene	19.49	180	78460	20.46 ug/L		97
96)	Hexachlorobutadiene	19.38	225	19981	18.78 ug/L		97
97)	Naphthalene	19.92	128	203999	19.84 ug/L		99
98)	1,2,3-Trichlorobenzene	20.17	180	72893	19.98 ug/L		98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4034.D Vial: 34
Acq On : 5 Dec 2006 2:53 Operator: jdb
Sample : 6L05009-MS1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:34 2006 Quant Results File: 8260W6L1.RES

Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4035.D Vial: 35
Acq On : 5 Dec 2006 3:23 Operator: jdb
Sample : 6L05009-MSD1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:37 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.43	168	276848	50.00 ug/L	-0.01
38) 1,4-DIFLUOROBENZENE (IS)	12.09	114	623976	50.00 ug/L	-0.01
55) CHLOROBENZENE-d5(IS)	15.27	117	679489	50.00 ug/L	-0.01
81) 1,4-DICHLOROBENZENE-d4(IS)	17.45	152	316883	50.00 ug/L	-0.01
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.87	113	230705	50.32 ug/L	-0.01
Spiked Amount 50.000 Range 71 - 136 Recovery = 100.64%					
41) d4-1,2-Dichloroethane(surr	11.55	65	284515	47.78 µg/L	-0.01
Spiked Amount 50.000 Range 70 - 130 Recovery = 95.56%					
54) D8-Toluene (surr)	13.62	98	836218	51.33 ug/L	-0.01
Spiked Amount 50.000 Range 75 - 126 Recovery = 102.66%					
75) Bromofluorobenzene (surr)	16.40	95	375209	49.15 ug/L	-0.01
Spiked Amount 50.000 Range 76 - 120 Recovery = 98.30%					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.12	85	107741	39.78 ug/L	98
3) Chloromethane	4.62	50	175686	32.86 ug/L	97
4) Vinyl Chloride	4.81	62	141601	30.46 ug/L	94
5) Bromomethane	5.58	94	78320	27.35 ug/L	99
6) Chloroethane	5.87	64	92305	27.63 ug/L	94
7) Trichlorofluoromethane	6.19	101	146267	28.63 ug/L	97
8) Ethanol	7.03	45	5674	70.19 ug/L	87
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		No Calib #	
10) acrolein	7.88	56	31124	27.40 ug/L	95
11) 1,1,2Trichloro-1,2,2triflu	7.34	151	44750	21.33 ug/L #	38
12) 1,1-Dichloroethene	7.26	96	84650	22.29 ug/L #	87
13) Acetone	8.38	43	87365	56.61 ug/L	97
14) Iodomethane	7.56	142	94570	22.73 ug/L	90
15) Carbon disulfide	7.36	76	337615	21.69 ug/L	99
16) Acetonitrile	9.13	41	17469	22.85 ug/L	93
17) 3-chloropropene	8.14	41	166453	24.84 ug/L #	95
18) Methylene Chloride	8.32	84	110851	21.66 ug/L #	72
19) Acrylonitrile	9.60	53	37099	13.50 ug/L	97
20) Methyl tert-butyl ether	8.75	73	270835	23.49 ug/L	89
21) t-1,2-Dichloroethene	8.61	96	99871	23.02 ug/L #	88
22) 1,1-Dichloroethane	9.56	63	198213	22.89 ug/L	96
23) Vinyl Acetate	9.86	43	46973	-13.92 ug/L	81
24) Isopropyl ether	9.34	45	432659	23.73 ug/L #	78
25) Chloroprene	9.53	88	74348	22.45 ug/L	92
26) 2-Butanone	11.01	72	25194	51.78 ug/L #	37
27) c-1,2-Dichloroethene	10.30	96	104450	22.54 ug/L	96
28) 2,2-Dichloropropane	10.47	77	105101	21.31 ug/L	99
29) Propionitrile	11.39	54	13658	20.48 ug/L	78
30) Methacrylonitrile	11.42	41	72749	20.87 ug/L	92
31) Bromochloromethane	10.57	128	43416	22.74 ug/L	99
32) Chloroform	10.64	83	180038	21.82 ug/L	98
33) Dibromofluoromethane	10.87	113	230705	50.32 ug/L	81
35) 1,1,1-Trichloroethane	10.95	97	134299	22.29 ug/L	88
36) 1,1-Dichloropropene	11.10	75	138736	23.74 ug/L	95
37) Isobutyl alcohol	11.49	43	114516	295.42 ug/L #	51
39) Carbon Tetrachloride	10.87	117	115885	23.24 ug/L	94
40) d4-1,2-Dichloroethane	11.55	65	284515	47.78 µg/L #	81
42) 1,2-Dichloroethane	11.63	62	141902	20.99 ug/L #	15
43) Benzene	11.42	78	388246	22.92 ug/L	100
44) Trichloroethene	12.08	130	83074	21.57 ug/L	95

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4035.D Vial: 35
Acq On : 5 Dec 2006 3:23 Operator: jdb
Sample : 6L05009-MSD1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:37 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

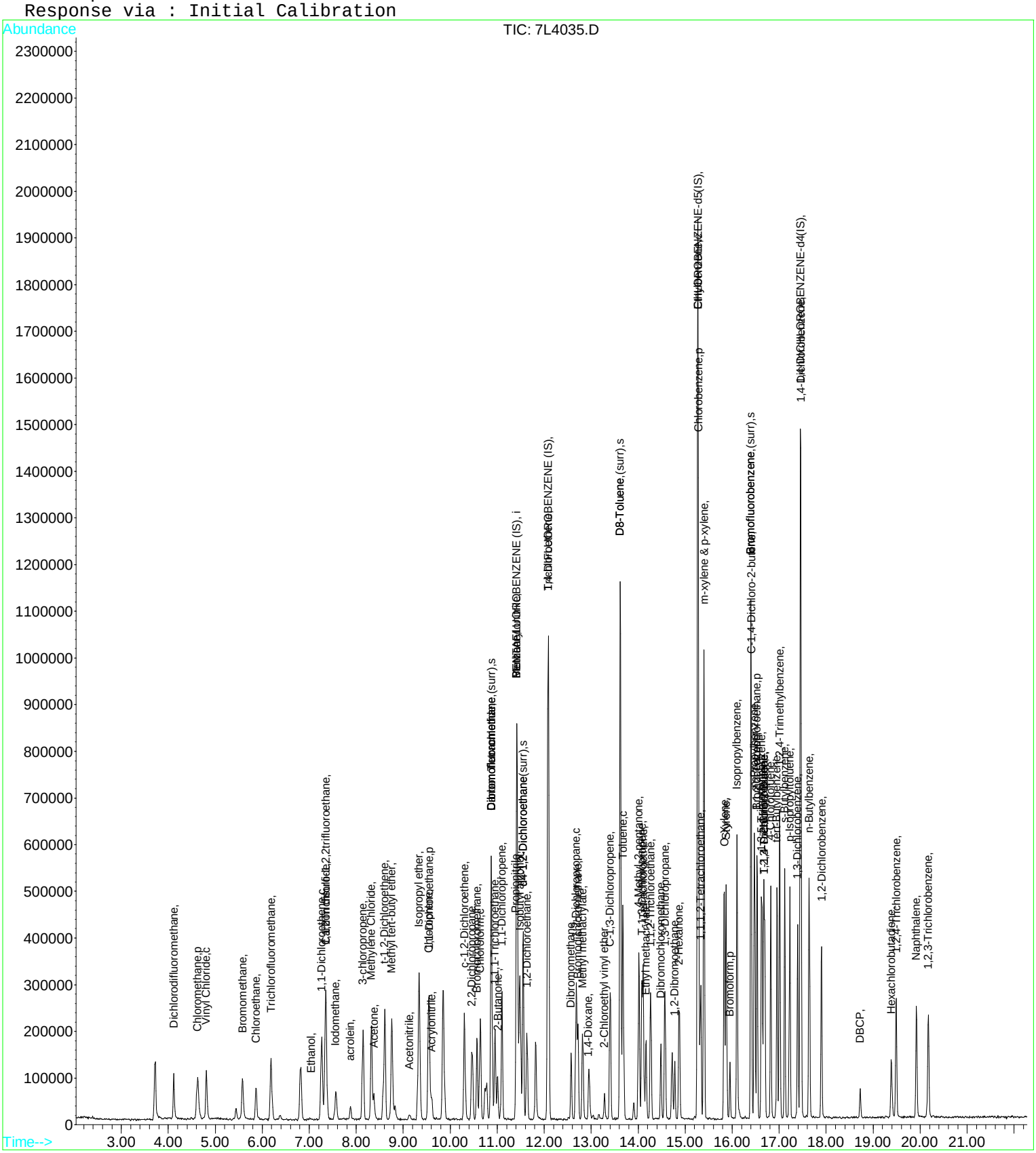
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45)	1,2-Dichloropropane	12.68	63	113334	23.15 ug/L		87
46)	Methyl methacrylate	12.82	69	71079	24.33 ug/L		79
47)	1,4-Dioxane	12.93	88	1364	27.25 ug/L	#	54
48)	Dibromomethane	12.57	93	61778	20.14 ug/L	#	76
49)	Bromodichloromethane	12.72	83	132953	19.83 ug/L		99
50)	2-Chloroethyl vinyl ether	13.28	63	23510	36.53 ug/L		87
51)	C-1,3-Dichloropropene	13.40	75	165957	23.44 ug/L		99
52)	4-Methyl-2-pentanone	14.01	100	30685	54.26 ug/L	#	1
53)	D8-Toluene	13.62	98	836218	51.33 ug/L		99
56)	Toluene	13.67	92	214802	20.83 ug/L		96
57)	T-1,3-Dichloropropene	14.08	75	145064	22.84 ug/L		99
58)	Ethyl methacrylate	14.17	69	95626	15.72 ug/L		84
59)	1,1,2-Trichloroethane	14.27	97	83168	20.35 ug/L		85
60)	1,3-Dichloropropane	14.57	76	160922	20.60 ug/L		98
61)	Tetrachloroethene	14.11	164	68810	15.20 ug/L		92
62)	2-Hexanone	14.87	43	196670	52.50 ug/L		90
63)	Dibromochloromethane	14.48	129	82766	20.52 ug/L		99
64)	1,2-Dibromoethane	14.78	107	86047	21.41 ug/L		97
65)	Chlorobenzene	15.29	112	228642	22.16 ug/L		96
66)	1,1,1,2-Tetrachloroethane	15.33	131	69913	20.00 ug/L		100
67)	Ethylbenzene	15.27	106	109290	20.83 ug/L	#	74
68)	m-xylene & p-xylene	15.40	106	279782	43.28 ug/L		91
69)	O-Xylene	15.83	106	132067	20.97 ug/L		89
70)	Styrene	15.87	104	231387	21.54 ug/L		95
71)	Bromoform	15.95	173	43858	19.73 ug/L		92
72)	Isopropylbenzene	16.10	105	345628	24.50 ug/L		93
73)	C-1,4-Dichloro-2-butene	16.42	53	34960m	17.12 ug/L		90
74)	Bromofluorobenzene	16.40	95	375209	49.15 ug/L	#	83
76)	1,1,2,2-Tetrachloroethane	16.53	83	124405	22.74 ug/L		95
77)	Bromobenzene	16.53	156	69764	18.48 ug/L		96
78)	1,2,3-Trichloropropane	16.69	75	139396	20.08 ug/L	#	45
79)	T-1,4-Dichloro-2-Butene	16.69	53	33948	18.16 ug/L	#	83
80)	n-Propylbenzene	16.48	91	462690	21.47 ug/L		89
82)	2-Chlorotoluene	16.67	91	303227	21.26 ug/L		91
83)	1,3,5-Trimethylbenzene	16.62	105	275391	20.74 ug/L		96
84)	4-Chlorotoluene	16.82	91	274926	20.05 ug/L		95
85)	tert-Butylbenzene	16.95	119	213242	20.76 ug/L		91
86)	Pentachloroethane	0.00	167		No Calib		
87)	1,2,4-Trimethylbenzene	17.01	105	281197	20.41 ug/L		98
88)	s-Butylbenzene	17.12	105	356017	21.23 ug/L		88
89)	1,3-Dichlorobenzene	17.39	146	151586	20.66 ug/L		95
90)	p-Isopropyltoluene	17.23	119	260370	20.99 ug/L		94
91)	1,4-Dichlorobenzene	17.47	146	154246	20.87 ug/L		96
92)	n-Butylbenzene	17.64	91	289298	20.87 ug/L		91
93)	1,2-Dichlorobenzene	17.91	146	132892	19.61 ug/L		96
94)	DBCP	18.72	157	13636m	20.46 ug/L		95
95)	1,2,4-Trichlorobenzene	19.49	180	78128	20.20 ug/L		97
96)	Hexachlorobutadiene	19.39	225	20933	19.45 ug/L		93
97)	Naphthalene	19.92	128	208956	20.14 ug/L		99
98)	1,2,3-Trichlorobenzene	20.17	180	68806	18.70 ug/L		93

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4035.D Vial: 35
Acq On : 5 Dec 2006 3:23 Operator: jdb
Sample : 6L05009-MSD1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:37 2006 Quant Results File: 8260W6L1.RES

Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4038.D Vial: 38
Acq On : 5 Dec 2006 4:55 Operator: jdb
Sample : b610170-01 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:39 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.43	168	272545	50.00 ug/L	0.00
38) 1,4-DIFLUOROBENZENE (IS)	12.09	114	624304	50.00 ug/L	0.00
55) CHLOROBENZENE-d5(IS)	15.27	117	659095	50.00 ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.46	152	287638	50.00 ug/L	0.00
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.88	113	224086	49.65 ug/L	0.00
Spiked Amount 50.000 Range 71 - 136 Recovery = 99.30%					
41) d4-1,2-Dichloroethane(surr	11.55	65	286238	48.04 µg/L	-0.02
Spiked Amount 50.000 Range 70 - 130 Recovery = 96.08%					
54) D8-Toluene (surr)	13.62	98	817971	50.18 ug/L	0.00
Spiked Amount 50.000 Range 75 - 126 Recovery = 100.36%					
75) Bromofluorobenzene (surr)	16.40	95	360961	48.75 ug/L	0.00
Spiked Amount 50.000 Range 76 - 120 Recovery = 97.50%					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.00	85		N.D.	
3) Chloromethane	0.00	50		N.D.	
4) Vinyl Chloride	0.00	62		N.D.	
5) Bromomethane	5.65	94	360	-5.14 ug/L #	78
6) Chloroethane	0.00	64		N.D.	
7) Trichlorofluoromethane	0.00	101		N.D.	
8) Ethanol	6.92	45	759	-49.32 ug/L	80
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		No Calib #	
10) acrolein	0.00	56		N.D. d	
11) 1,1,2Trichloro-1,2,2triflu	0.00	151		N.D.	
12) 1,1-Dichloroethene	0.00	96		N.D.	
13) Acetone	0.00	43		N.D. d	
14) Iodomethane	0.00	142		N.D. d	
15) Carbon disulfide	7.36	76	7126	0.46 ug/L	94
16) Acetonitrile	0.00	41		N.D. d	
17) 3-chloropropene	0.00	41		N.D.	
18) Methylene Chloride	8.31	84	681	-1.41 ug/L	87
19) Acrylonitrile	0.00	53		N.D.	
20) Methyl tert-butyl ether	0.00	73		N.D.	
21) t-1,2-Dichloroethene	0.00	96		N.D.	
22) 1,1-Dichloroethane	0.00	63		N.D.	
23) Vinyl Acetate	9.89	43	263	-20.64 ug/L #	1
24) Isopropyl ether	0.00	45		N.D.	
25) Chloroprene	0.00	88		N.D.	
26) 2-Butanone	0.00	72		N.D. d	
27) c-1,2-Dichloroethene	0.00	96		N.D.	
28) 2,2-Dichloropropane	0.00	77		N.D.	
29) Propionitrile	0.00	54		N.D.	
30) Methacrylonitrile	0.00	41		N.D.	
31) Bromochloromethane	0.00	128		N.D.	
32) Chloroform	0.00	83		N.D.	
33) Dibromofluoromethane	10.88	113	224086	49.65 ug/L	80
35) 1,1,1-Trichloroethane	0.00	97		N.D.	
36) 1,1-Dichloropropene	0.00	75		N.D.	
37) Isobutyl alcohol	0.00	43		N.D. d	
39) Carbon Tetrachloride	0.00	117		N.D. d	
40) d4-1,2-Dichloroethane	11.55	65	286238	48.04 µg/L #	79
42) 1,2-Dichloroethane	0.00	62		N.D.	
43) Benzene	0.00	78		N.D.	
44) Trichloroethene	0.00	130		N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4038.D Vial: 38
Acq On : 5 Dec 2006 4:55 Operator: jdb
Sample : b610170-01 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:39 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

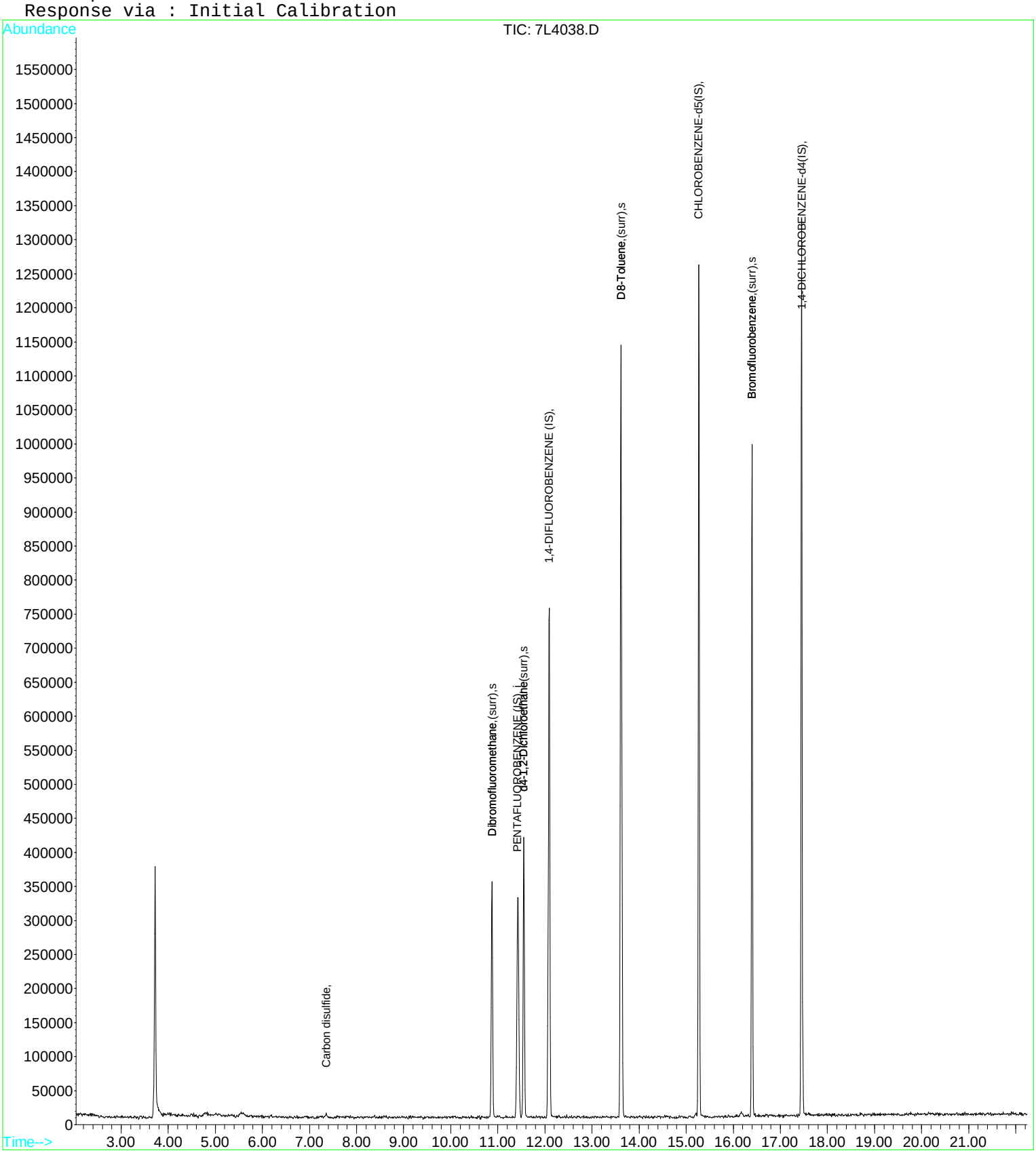
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
45)	1,2-Dichloropropane	0.00	63		N.D.	
46)	Methyl methacrylate	0.00	69		N.D.	
47)	1,4-Dioxane	12.93	88	167	-1.95 ug/L	91
48)	Dibromomethane	0.00	93		N.D.	
49)	Bromodichloromethane	0.00	83		N.D.	
50)	2-Chloroethyl vinyl ether	0.00	63		N.D. d	
51)	C-1,3-Dichloropropene	0.00	75		N.D.	
52)	4-Methyl-2-pentanone	0.00	100		N.D.	
53)	D8-Toluene	13.62	98	817971	50.18 ug/L	100
56)	Toluene	0.00	92		N.D.	
57)	T-1,3-Dichloropropene	0.00	75		N.D.	
58)	Ethyl methacrylate	0.00	69		N.D.	
59)	1,1,2-Trichloroethane	0.00	97		N.D.	
60)	1,3-Dichloropropane	0.00	76		N.D.	
61)	Tetrachloroethene	0.00	164		N.D. d	
62)	2-Hexanone	0.00	43		N.D.	
63)	Dibromochloromethane	0.00	129		N.D.	
64)	1,2-Dibromoethane	0.00	107		N.D.	
65)	Chlorobenzene	0.00	112		N.D.	
66)	1,1,1,2-Tetrachloroethane	0.00	131		N.D.	
67)	Ethylbenzene	0.00	106		N.D.	
68)	m-xylene & p-xylene	0.00	106		N.D.	
69)	O-Xylene	0.00	106		N.D.	
70)	Styrene	0.00	104		N.D.	
71)	Bromoform	0.00	173		N.D. d	
72)	Isopropylbenzene	0.00	105		N.D.	
73)	C-1,4-Dichloro-2-butene	16.39	53	543	-2.21 ug/L #	1
74)	Bromofluorobenzene	16.40	95	360961	48.75 ug/L #	83
76)	1,1,2,2-Tetrachloroethane	0.00	83		N.D.	
77)	Bromobenzene	0.00	156		N.D.	
78)	1,2,3-Trichloropropane	0.00	75		N.D.	
79)	T-1,4-Dichloro-2-Butene	0.00	53		N.D.	
80)	n-Propylbenzene	0.00	91		N.D.	
82)	2-Chlorotoluene	0.00	91		N.D.	
83)	1,3,5-Trimethylbenzene	0.00	105		N.D.	
84)	4-Chlorotoluene	0.00	91		N.D.	
85)	tert-Butylbenzene	0.00	119		N.D.	
86)	Pentachloroethane	0.00	167		No Calib #	
87)	1,2,4-Trimethylbenzene	0.00	105		N.D.	
88)	s-Butylbenzene	0.00	105		N.D.	
89)	1,3-Dichlorobenzene	0.00	146		N.D.	
90)	p-Isopropyltoluene	0.00	119		N.D.	
91)	1,4-Dichlorobenzene	0.00	146		N.D.	
92)	n-Butylbenzene	0.00	91		N.D.	
93)	1,2-Dichlorobenzene	0.00	146		N.D.	
94)	DBCP	0.00	157		N.D. d	
95)	1,2,4-Trichlorobenzene	0.00	180		N.D.	
96)	Hexachlorobutadiene	0.00	225		N.D. d	
97)	Naphthalene	0.00	128		N.D.	
98)	1,2,3-Trichlorobenzene	0.00	180		N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4038.D Vial: 38
Acq On : 5 Dec 2006 4:55 Operator: jdb
Sample : b610170-01 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:39 2006 Quant Results File: 8260W6L1.RES

Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4039.D Vial: 39
Acq On : 5 Dec 2006 5:26 Operator: jdb
Sample : b610170-02 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:40 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.42	168	261544	50.00 ug/L	-0.02
38) 1,4-DIFLUOROBENZENE (IS)	12.09	114	603576	50.00 ug/L	0.00
55) CHLOROBENZENE-d5(IS)	15.27	117	653755	50.00 ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.46	152	279273	50.00 ug/L	0.00
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.88	113	222713	51.42 ug/L	0.00
Spiked Amount 50.000 Range 71 - 136 Recovery = 102.84%					
41) d4-1,2-Dichloroethane(surr	11.55	65	281370	48.85 µg/L	-0.02
Spiked Amount 50.000 Range 70 - 130 Recovery = 97.70%					
54) D8-Toluene (surr)	13.62	98	790731	50.18 ug/L	0.00
Spiked Amount 50.000 Range 75 - 126 Recovery = 100.36%					
75) Bromofluorobenzene (surr)	16.40	95	351364	47.84 ug/L	0.00
Spiked Amount 50.000 Range 76 - 120 Recovery = 95.68%					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.00	85		N.D.	
3) Chloromethane	0.00	50		N.D.	
4) Vinyl Chloride	0.00	62		N.D.	
5) Bromomethane	5.54	94	1328	-4.70 ug/L #	44
6) Chloroethane	0.00	64		N.D. d	
7) Trichlorofluoromethane	0.00	101		N.D.	
8) Ethanol	7.02	45	456	-56.35 ug/L	80
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		No Calib #	
10) acrolein	0.00	56		N.D.	
11) 1,1,2Trichloro-1,2,2triflu	0.00	151		N.D.	
12) 1,1-Dichloroethene	0.00	96		N.D.	
13) Acetone	0.00	43		N.D. d	
14) Iodomethane	0.00	142		N.D. d	
15) Carbon disulfide	0.00	76		N.D.	
16) Acetonitrile	0.00	41		N.D. d	
17) 3-chloropropene	0.00	41		N.D.	
18) Methylene Chloride	8.33	84	1069	-1.32 ug/L #	52
19) Acrylonitrile	0.00	53		N.D.	
20) Methyl tert-butyl ether	0.00	73		N.D.	
21) t-1,2-Dichloroethene	0.00	96		N.D.	
22) 1,1-Dichloroethane	0.00	63		N.D.	
23) Vinyl Acetate	9.83	43	379	-20.62 ug/L #	76
24) Isopropyl ether	0.00	45		N.D.	
25) Chloroprene	0.00	88		N.D.	
26) 2-Butanone	0.00	72		N.D. d	
27) c-1,2-Dichloroethene	0.00	96		N.D.	
28) 2,2-Dichloropropane	0.00	77		N.D.	
29) Propionitrile	0.00	54		N.D. d	
30) Methacrylonitrile	0.00	41		N.D.	
31) Bromochloromethane	0.00	128		N.D.	
32) Chloroform	0.00	83		N.D.	
33) Dibromofluoromethane	10.88	113	222713	51.42 ug/L	80
35) 1,1,1-Trichloroethane	0.00	97		N.D.	
36) 1,1-Dichloropropene	0.00	75		N.D.	
37) Isobutyl alcohol	0.00	43		N.D. d	
39) Carbon Tetrachloride	0.00	117		N.D.	
40) d4-1,2-Dichloroethane	11.55	65	281370	48.85 µg/L #	79
42) 1,2-Dichloroethane	0.00	62		N.D.	
43) Benzene	11.41	78	179668	10.97 ug/L	99
44) Trichloroethene	0.00	130		N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4039.D Vial: 39
Acq On : 5 Dec 2006 5:26 Operator: jdb
Sample : b610170-02 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:40 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

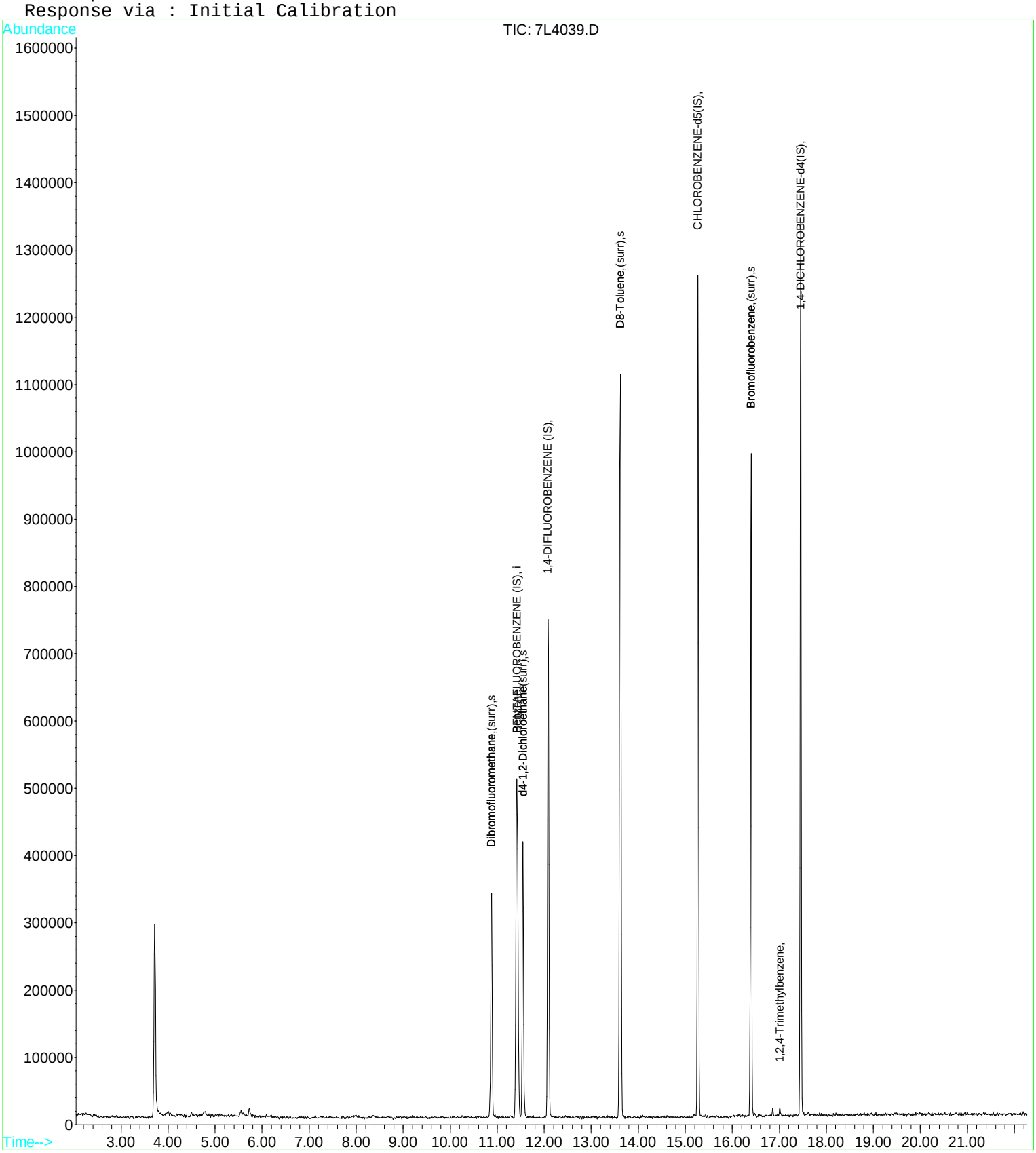
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
45)	1,2-Dichloropropane	0.00	63		N.D.	
46)	Methyl methacrylate	0.00	69		N.D.	
47)	1,4-Dioxane	12.88	88	115	-3.13 ug/L #	1
48)	Dibromomethane	0.00	93		N.D.	
49)	Bromodichloromethane	0.00	83		N.D.	
50)	2-Chloroethyl vinyl ether	0.00	63		N.D. d	
51)	C-1,3-Dichloropropene	0.00	75		N.D.	
52)	4-Methyl-2-pentanone	0.00	100		N.D. d	
53)	D8-Toluene	13.62	98	790731	50.18 ug/L	98
56)	Toluene	0.00	92		N.D.	
57)	T-1,3-Dichloropropene	0.00	75		N.D.	
58)	Ethyl methacrylate	0.00	69		N.D.	
59)	1,1,2-Trichloroethane	0.00	97		N.D.	
60)	1,3-Dichloropropane	0.00	76		N.D.	
61)	Tetrachloroethene	0.00	164		N.D. d	
62)	2-Hexanone	0.00	43		N.D.	
63)	Dibromochloromethane	0.00	129		N.D.	
64)	1,2-Dibromoethane	0.00	107		N.D.	
65)	Chlorobenzene	0.00	112		N.D.	
66)	1,1,1,2-Tetrachloroethane	0.00	131		N.D.	
67)	Ethylbenzene	0.00	106		N.D.	
68)	m-xylene & p-xylene	0.00	106		N.D.	
69)	O-Xylene	0.00	106		N.D.	
70)	Styrene	0.00	104		N.D.	
71)	Bromoform	0.00	173		N.D. d	
72)	Isopropylbenzene	0.00	105		N.D.	
73)	C-1,4-Dichloro-2-butene	16.39	53	246	-2.38 ug/L #	1
74)	Bromofluorobenzene	16.40	95	351364	47.84 ug/L #	83
76)	1,1,2,2-Tetrachloroethane	0.00	83		N.D.	
77)	Bromobenzene	0.00	156		N.D.	
78)	1,2,3-Trichloropropane	0.00	75		N.D.	
79)	T-1,4-Dichloro-2-Butene	0.00	53		N.D. d	
80)	n-Propylbenzene	0.00	91		N.D.	
82)	2-Chlorotoluene	0.00	91		N.D.	
83)	1,3,5-Trimethylbenzene	0.00	105		N.D.	
84)	4-Chlorotoluene	0.00	91		N.D.	
85)	tert-Butylbenzene	0.00	119		N.D.	
86)	Pentachloroethane	0.00	167		No Calib #	
87)	1,2,4-Trimethylbenzene	17.01	105	5413	0.45 ug/L	80
88)	s-Butylbenzene	0.00	105		N.D. d	
89)	1,3-Dichlorobenzene	0.00	146		N.D.	
90)	p-Isopropyltoluene	0.00	119		N.D.	
91)	1,4-Dichlorobenzene	0.00	146		N.D.	
92)	n-Butylbenzene	0.00	91		N.D.	
93)	1,2-Dichlorobenzene	0.00	146		N.D.	
94)	DBCP	0.00	157		N.D. d	
95)	1,2,4-Trichlorobenzene	0.00	180		N.D.	
96)	Hexachlorobutadiene	0.00	225		N.D. d	
97)	Naphthalene	0.00	128		N.D.	
98)	1,2,3-Trichlorobenzene	0.00	180		N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4039.D Vial: 39
Acq On : 5 Dec 2006 5:26 Operator: jdb
Sample : b610170-02 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:40 2006 Quant Results File: 8260W6L1.RES

Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4040.D Vial: 40
Acq On : 5 Dec 2006 5:57 Operator: jdb
Sample : b610170-03 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:41 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.42	168	260682	50.00 ug/L	-0.02
38) 1,4-DIFLUOROBENZENE (IS)	12.08	114	605076	50.00 ug/L	-0.02
55) CHLOROBENZENE-d5(IS)	15.27	117	638573	50.00 ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.46	152	280196	50.00 ug/L	0.00
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.88	113	218258	50.56 ug/L	0.00
Spiked Amount 50.000 Range 71 - 136 Recovery = 101.12%					
41) d4-1,2-Dichloroethane(surr	11.55	65	277879	48.12 µg/L	-0.02
Spiked Amount 50.000 Range 70 - 130 Recovery = 96.24%					
54) D8-Toluene (surr)	13.62	98	784042	49.63 ug/L	0.00
Spiked Amount 50.000 Range 75 - 126 Recovery = 99.26%					
75) Bromofluorobenzene (surr)	16.40	95	365196	50.90 ug/L	0.00
Spiked Amount 50.000 Range 76 - 120 Recovery = 101.80%					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.00	85		N.D.	
3) Chloromethane	0.00	50		N.D.	
4) Vinyl Chloride	0.00	62		N.D.	
5) Bromomethane	5.57	94	1155	-4.78 ug/L #	17
6) Chloroethane	0.00	64		N.D. d	
7) Trichlorofluoromethane	0.00	101		N.D.	
8) Ethanol	6.98	45	614	-52.22 ug/L	85
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		No Calib #	
10) acrolein	0.00	56		N.D. d	
11) 1,1,2Trichloro-1,2,2triflu	0.00	151		N.D.	
12) 1,1-Dichloroethene	0.00	96		N.D.	
13) Acetone	0.00	43		N.D. d	
14) Iodomethane	0.00	142		N.D. d	
15) Carbon disulfide	0.00	76		N.D.	
16) Acetonitrile	0.00	41		N.D. d	
17) 3-chloropropene	0.00	41		N.D.	
18) Methylene Chloride	8.32	84	575	-1.43 ug/L #	11
19) Acrylonitrile	0.00	53		N.D. d	
20) Methyl tert-butyl ether	0.00	73		N.D.	
21) t-1,2-Dichloroethene	0.00	96		N.D.	
22) 1,1-Dichloroethane	0.00	63		N.D.	
23) Vinyl Acetate	9.87	43	292	-20.64 ug/L #	76
24) Isopropyl ether	0.00	45		N.D.	
25) Chloroprene	0.00	88		N.D.	
26) 2-Butanone	0.00	72		N.D. d	
27) c-1,2-Dichloroethene	0.00	96		N.D.	
28) 2,2-Dichloropropane	0.00	77		N.D.	
29) Propionitrile	0.00	54		N.D. d	
30) Methacrylonitrile	0.00	41		N.D. d	
31) Bromochloromethane	0.00	128		N.D.	
32) Chloroform	0.00	83		N.D.	
33) Dibromofluoromethane	10.88	113	218258	50.56 ug/L	82
35) 1,1,1-Trichloroethane	0.00	97		N.D.	
36) 1,1-Dichloropropene	0.00	75		N.D.	
37) Isobutyl alcohol	0.00	43		N.D. d	
39) Carbon Tetrachloride	0.00	117		N.D. d	
40) d4-1,2-Dichloroethane	11.55	65	277879	48.12 µg/L #	79
42) 1,2-Dichloroethane	0.00	62		N.D.	
43) Benzene	11.41	78	22998	1.40 ug/L	100
44) Trichloroethene	0.00	130		N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4040.D Vial: 40
Acq On : 5 Dec 2006 5:57 Operator: jdb
Sample : b610170-03 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:41 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

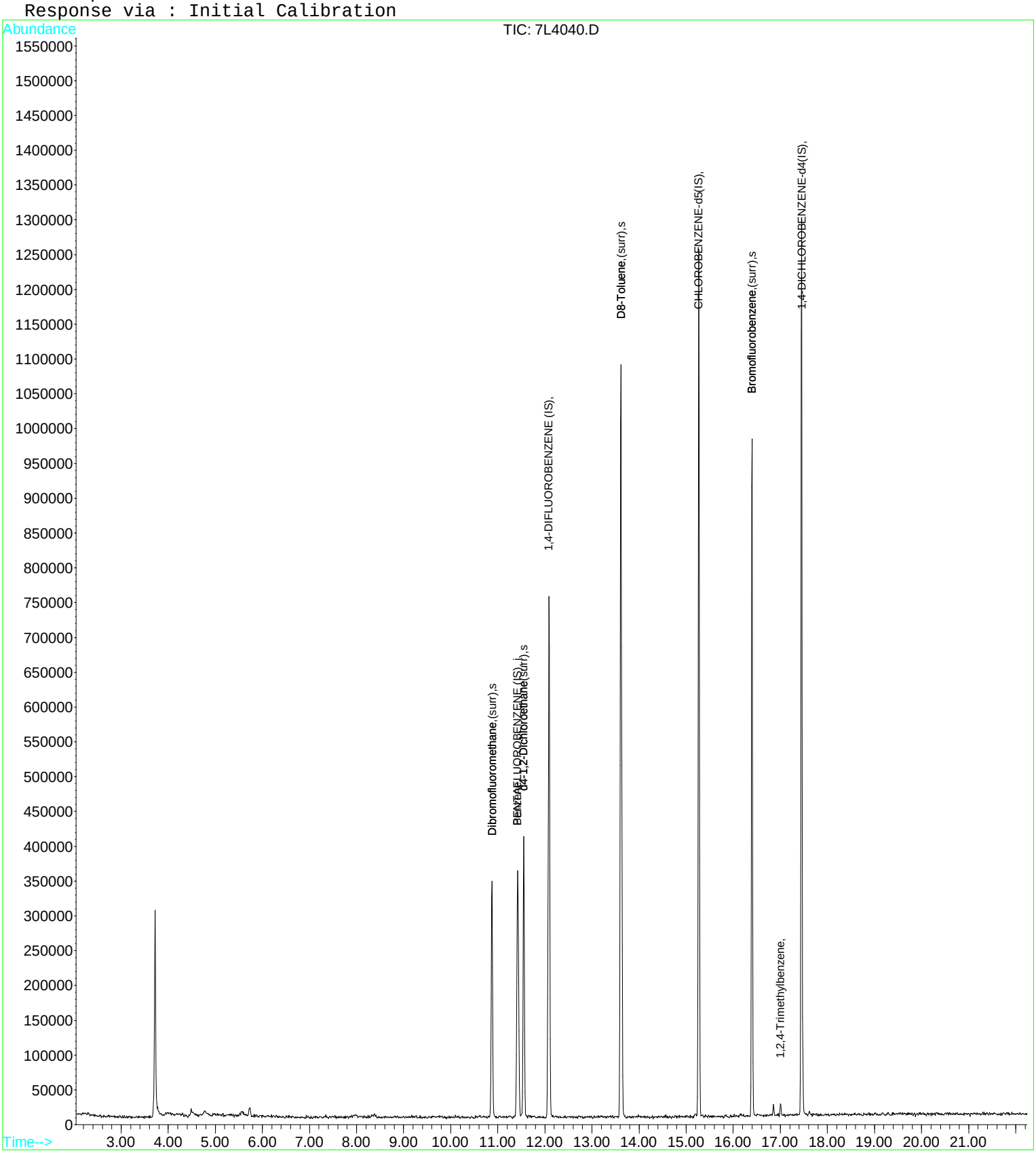
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
45)	1,2-Dichloropropane	0.00	63		N.D.	
46)	Methyl methacrylate	0.00	69		N.D.	
47)	1,4-Dioxane	0.00	88		N.D. d	
48)	Dibromomethane	0.00	93		N.D.	
49)	Bromodichloromethane	0.00	83		N.D.	
50)	2-Chloroethyl vinyl ether	0.00	63		N.D. d	
51)	C-1,3-Dichloropropene	0.00	75		N.D.	
52)	4-Methyl-2-pentanone	0.00	100		N.D. d	
53)	D8-Toluene	13.62	98	784042	49.63 ug/L	98
56)	Toluene	0.00	92		N.D.	
57)	T-1,3-Dichloropropene	0.00	75		N.D.	
58)	Ethyl methacrylate	0.00	69		N.D.	
59)	1,1,2-Trichloroethane	0.00	97		N.D.	
60)	1,3-Dichloropropane	0.00	76		N.D.	
61)	Tetrachloroethene	0.00	164		N.D. d	
62)	2-Hexanone	0.00	43		N.D.	
63)	Dibromochloromethane	0.00	129		N.D.	
64)	1,2-Dibromoethane	0.00	107		N.D.	
65)	Chlorobenzene	0.00	112		N.D.	
66)	1,1,1,2-Tetrachloroethane	0.00	131		N.D.	
67)	Ethylbenzene	0.00	106		N.D.	
68)	m-xylene & p-xylene	0.00	106		N.D.	
69)	O-Xylene	0.00	106		N.D.	
70)	Styrene	0.00	104		N.D.	
71)	Bromoform	0.00	173		N.D. d	
72)	Isopropylbenzene	0.00	105		N.D.	
73)	C-1,4-Dichloro-2-butene	16.39	53	308	-2.34 ug/L #	1
74)	Bromofluorobenzene	16.40	95	365196	50.90 ug/L #	82
76)	1,1,2,2-Tetrachloroethane	0.00	83		N.D.	
77)	Bromobenzene	0.00	156		N.D.	
78)	1,2,3-Trichloropropane	0.00	75		N.D.	
79)	T-1,4-Dichloro-2-Butene	0.00	53		N.D. d	
80)	n-Propylbenzene	0.00	91		N.D.	
82)	2-Chlorotoluene	0.00	91		N.D.	
83)	1,3,5-Trimethylbenzene	0.00	105		N.D.	
84)	4-Chlorotoluene	0.00	91		N.D.	
85)	tert-Butylbenzene	0.00	119		N.D.	
86)	Pentachloroethane	0.00	167		No Calib #	
87)	1,2,4-Trimethylbenzene	17.00	105	8649m	0.71 ug/L	73
88)	s-Butylbenzene	0.00	105		N.D.	
89)	1,3-Dichlorobenzene	0.00	146		N.D.	
90)	p-Isopropyltoluene	0.00	119		N.D.	
91)	1,4-Dichlorobenzene	0.00	146		N.D.	
92)	n-Butylbenzene	0.00	91		N.D.	
93)	1,2-Dichlorobenzene	0.00	146		N.D.	
94)	DBCP	0.00	157		N.D. d	
95)	1,2,4-Trichlorobenzene	0.00	180		N.D.	
96)	Hexachlorobutadiene	0.00	225		N.D. d	
97)	Naphthalene	0.00	128		N.D.	
98)	1,2,3-Trichlorobenzene	0.00	180		N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4040.D Vial: 40
Acq On : 5 Dec 2006 5:57 Operator: jdb
Sample : b610170-03 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:41 2006 Quant Results File: 8260W6L1.RES

Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4041.D Vial: 41
Acq On : 5 Dec 2006 6:27 Operator: jdb
Sample : b610170-04 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:42 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.43	168	258364	50.00 ug/L	-0.01
38) 1,4-DIFLUOROBENZENE (IS)	12.09	114	605930	50.00 ug/L	-0.01
55) CHLOROBENZENE-d5(IS)	15.27	117	636404	50.00 ug/L	-0.01
81) 1,4-DICHLOROBENZENE-d4(IS)	17.45	152	280802	50.00 ug/L	-0.01

System Monitoring Compounds

34) Dibromofluoromethane (surr	10.87	113	220827	51.61 ug/L	-0.01
Spiked Amount 50.000	Range 71 - 136		Recovery = 103.22%		
41) d4-1,2-Dichloroethane(surr	11.54	65	278799	48.21 µg/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.42%		
54) D8-Toluene (surr)	13.61	98	789695	49.92 ug/L	-0.01
Spiked Amount 50.000	Range 75 - 126		Recovery = 99.84%		
75) Bromofluorobenzene (surr)	16.40	95	354595	49.59 ug/L	-0.01
Spiked Amount 50.000	Range 76 - 120		Recovery = 99.18%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.00	85		N.D.	
3) Chloromethane	0.00	50		N.D.	
4) Vinyl Chloride	0.00	62		N.D.	
5) Bromomethane	5.57	94	1435	-4.65 ug/L #	17
6) Chloroethane	0.00	64		N.D. d	
7) Trichlorofluoromethane	0.00	101		N.D.	
8) Ethanol	6.98	45	359	-58.74 ug/L	92
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		No Calib #	
10) acrolein	0.00	56		N.D. d	
11) 1,1,2Trichloro-1,2,2triflu	0.00	151		N.D.	
12) 1,1-Dichloroethene	0.00	96		N.D.	
13) Acetone	0.00	43		N.D. d	
14) Iodomethane	0.00	142		N.D. d	
15) Carbon disulfide	0.00	76		N.D.	
16) Acetonitrile	0.00	41		N.D. d	
17) 3-chloropropene	0.00	41		N.D.	
18) Methylene Chloride	8.33	84	583	-1.42 ug/L #	62
19) Acrylonitrile	0.00	53		N.D.	
20) Methyl tert-butyl ether	0.00	73		N.D.	
21) t-1,2-Dichloroethene	0.00	96		N.D.	
22) 1,1-Dichloroethane	0.00	63		N.D.	
23) Vinyl Acetate	9.84	43	271	-20.64 ug/L #	1
24) Isopropyl ether	0.00	45		N.D.	
25) Chloroprene	0.00	88		N.D.	
26) 2-Butanone	0.00	72		N.D. d	
27) c-1,2-Dichloroethene	0.00	96		N.D.	
28) 2,2-Dichloropropane	0.00	77		N.D.	
29) Propionitrile	0.00	54		N.D. d	
30) Methacrylonitrile	0.00	41		N.D.	
31) Bromochloromethane	0.00	128		N.D.	
32) Chloroform	0.00	83		N.D.	
33) Dibromofluoromethane	10.87	113	220827	51.61 ug/L	79
35) 1,1,1-Trichloroethane	0.00	97		N.D.	
36) 1,1-Dichloropropene	0.00	75		N.D.	
37) Isobutyl alcohol	0.00	43		N.D. d	
39) Carbon Tetrachloride	0.00	117		N.D.	
40) d4-1,2-Dichloroethane	11.54	65	278799	48.21 µg/L #	79
42) 1,2-Dichloroethane	0.00	62		N.D.	
43) Benzene	11.42	78	5688	0.35 ug/L	94
44) Trichloroethene	0.00	130		N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4041.D Vial: 41
Acq On : 5 Dec 2006 6:27 Operator: jdb
Sample : b610170-04 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:42 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

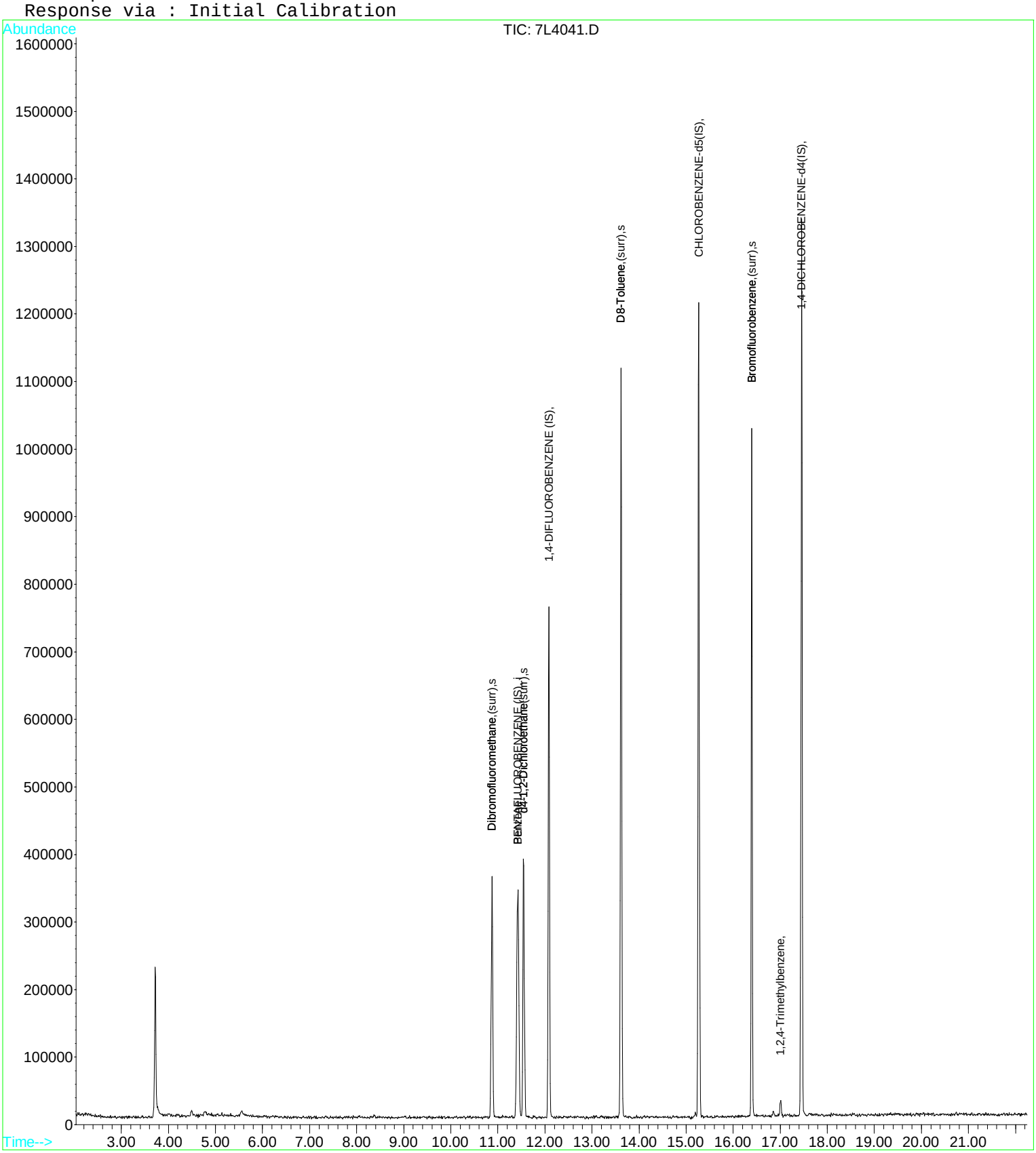
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
45)	1,2-Dichloropropane	0.00	63		N.D.	
46)	Methyl methacrylate	0.00	69		N.D.	
47)	1,4-Dioxane	13.10	88	150	-2.26 ug/L	86
48)	Dibromomethane	0.00	93		N.D.	
49)	Bromodichloromethane	0.00	83		N.D.	
50)	2-Chloroethyl vinyl ether	0.00	63		N.D. d	
51)	C-1,3-Dichloropropene	0.00	75		N.D.	
52)	4-Methyl-2-pentanone	0.00	100		N.D. d	
53)	D8-Toluene	13.61	98	789695	49.92 ug/L	98
56)	Toluene	0.00	92		N.D.	
57)	T-1,3-Dichloropropene	0.00	75		N.D.	
58)	Ethyl methacrylate	0.00	69		N.D.	
59)	1,1,2-Trichloroethane	0.00	97		N.D.	
60)	1,3-Dichloropropane	0.00	76		N.D.	
61)	Tetrachloroethene	0.00	164		N.D. d	
62)	2-Hexanone	0.00	43		N.D.	
63)	Dibromochloromethane	0.00	129		N.D.	
64)	1,2-Dibromoethane	0.00	107		N.D.	
65)	Chlorobenzene	0.00	112		N.D.	
66)	1,1,1,2-Tetrachloroethane	0.00	131		N.D.	
67)	Ethylbenzene	0.00	106		N.D.	
68)	m-xylene & p-xylene	0.00	106		N.D.	
69)	O-Xylene	0.00	106		N.D.	
70)	Styrene	0.00	104		N.D.	
71)	Bromoform	0.00	173		N.D. d	
72)	Isopropylbenzene	0.00	105		N.D.	
73)	C-1,4-Dichloro-2-butene	16.38	53	176	-2.42 ug/L #	1
74)	Bromofluorobenzene	16.40	95	354595	49.59 ug/L #	83
76)	1,1,2,2-Tetrachloroethane	0.00	83		N.D.	
77)	Bromobenzene	0.00	156		N.D.	
78)	1,2,3-Trichloropropane	0.00	75		N.D.	
79)	T-1,4-Dichloro-2-Butene	0.00	53		N.D. d	
80)	n-Propylbenzene	0.00	91		N.D.	
82)	2-Chlorotoluene	0.00	91		N.D.	
83)	1,3,5-Trimethylbenzene	0.00	105		N.D.	
84)	4-Chlorotoluene	0.00	91		N.D.	
85)	tert-Butylbenzene	0.00	119		N.D.	
86)	Pentachloroethane	0.00	167		No Calib #	
87)	1,2,4-Trimethylbenzene	17.01	105	12286	1.01 ug/L	89
88)	s-Butylbenzene	0.00	105		N.D.	
89)	1,3-Dichlorobenzene	0.00	146		N.D.	
90)	p-Isopropyltoluene	0.00	119		N.D.	
91)	1,4-Dichlorobenzene	0.00	146		N.D.	
92)	n-Butylbenzene	0.00	91		N.D.	
93)	1,2-Dichlorobenzene	0.00	146		N.D.	
94)	DBCP	0.00	157		N.D. d	
95)	1,2,4-Trichlorobenzene	0.00	180		N.D.	
96)	Hexachlorobutadiene	0.00	225		N.D. d	
97)	Naphthalene	0.00	128		N.D.	
98)	1,2,3-Trichlorobenzene	0.00	180		N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4041.D Vial: 41
Acq On : 5 Dec 2006 6:27 Operator: jdb
Sample : b610170-04 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:42 2006 Quant Results File: 8260W6L1.RES

Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4042.D Vial: 42
Acq On : 5 Dec 2006 6:58 Operator: jdb
Sample : b610170-05 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:44 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.43	168	260642	50.00 ug/L	-0.01
38) 1,4-DIFLUOROBENZENE (IS)	12.09	114	594412	50.00 ug/L	-0.01
55) CHLOROBENZENE-d5(IS)	15.27	117	636591	50.00 ug/L	-0.01
81) 1,4-DICHLOROBENZENE-d4(IS)	17.45	152	268914	50.00 ug/L	-0.01

System Monitoring Compounds

34) Dibromofluoromethane (surr	10.87	113	218267	50.57 ug/L	-0.01
Spiked Amount 50.000	Range 71 - 136		Recovery = 101.14%		
41) d4-1,2-Dichloroethane(surr	11.55	65	273749	48.26 µg/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.52%		
54) D8-Toluene (surr)	13.62	98	783678	50.50 ug/L	-0.01
Spiked Amount 50.000	Range 75 - 126		Recovery = 101.00%		
75) Bromofluorobenzene (surr)	16.40	95	347532	48.59 ug/L	-0.01
Spiked Amount 50.000	Range 76 - 120		Recovery = 97.18%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.00	85		N.D.	
3) Chloromethane	0.00	50		N.D. d	
4) Vinyl Chloride	0.00	62		N.D.	
5) Bromomethane	5.70	94	290	-5.16 ug/L	85
6) Chloroethane	0.00	64		N.D. d	
7) Trichlorofluoromethane	0.00	101		N.D.	
8) Ethanol	7.20	45	276	-60.97 ug/L	81
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		No Calib #	
10) acrolein	0.00	56		N.D. d	
11) 1,1,2Trichloro-1,2,2triflu	0.00	151		N.D.	
12) 1,1-Dichloroethene	0.00	96		N.D.	
13) Acetone	8.38	43	14812	10.19 ug/L	97
14) Iodomethane	0.00	142		N.D. d	
15) Carbon disulfide	0.00	76		N.D.	
16) Acetonitrile	0.00	41		N.D. d	
17) 3-chloropropene	0.00	41		N.D.	
18) Methylene Chloride	8.32	84	3088	-0.87 ug/L	89
19) Acrylonitrile	0.00	53		N.D.	
20) Methyl tert-butyl ether	0.00	73		N.D.	
21) t-1,2-Dichloroethene	0.00	96		N.D.	
22) 1,1-Dichloroethane	0.00	63		N.D.	
23) Vinyl Acetate	9.67	43	656	-20.58 ug/L	48
24) Isopropyl ether	0.00	45		N.D.	
25) Chloroprene	0.00	88		N.D.	
26) 2-Butanone	11.02	72	1905m	4.16 ug/L	70
27) c-1,2-Dichloroethene	0.00	96		N.D.	
28) 2,2-Dichloropropane	0.00	77		N.D.	
29) Propionitrile	0.00	54		N.D. d	
30) Methacrylonitrile	0.00	41		N.D. d	
31) Bromochloromethane	0.00	128		N.D.	
32) Chloroform	10.63	83	2439	0.31 ug/L	97
33) Dibromofluoromethane	10.87	113	218267	50.57 ug/L	81
35) 1,1,1-Trichloroethane	0.00	97		N.D.	
36) 1,1-Dichloropropene	0.00	75		N.D.	
37) Isobutyl alcohol	0.00	43		N.D. d	
39) Carbon Tetrachloride	0.00	117		N.D. d	
40) d4-1,2-Dichloroethane	11.55	65	273749	48.26 µg/L #	78
42) 1,2-Dichloroethane	0.00	62		N.D.	
43) Benzene	0.00	78		N.D.	
44) Trichloroethene	0.00	130		N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4042.D Vial: 42
Acq On : 5 Dec 2006 6:58 Operator: jdb
Sample : b610170-05 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:44 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

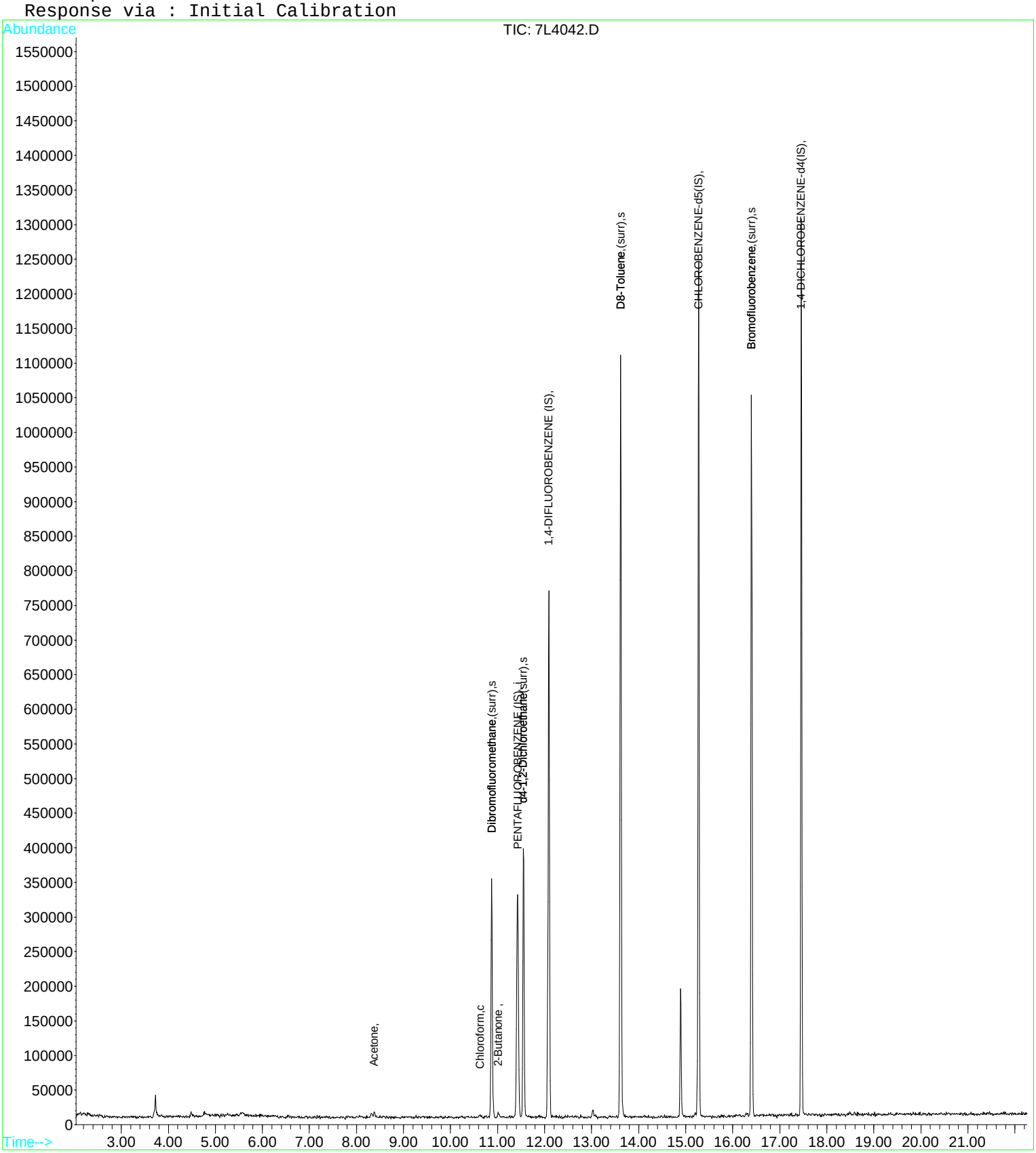
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
45)	1,2-Dichloropropane	0.00	63		N.D.	
46)	Methyl methacrylate	0.00	69		N.D.	
47)	1,4-Dioxane	12.75	88	147	-2.26 ug/L #	1
48)	Dibromomethane	0.00	93		N.D.	
49)	Bromodichloromethane	0.00	83		N.D.	
50)	2-Chloroethyl vinyl ether	0.00	63		N.D. d	
51)	C-1,3-Dichloropropene	0.00	75		N.D.	
52)	4-Methyl-2-pentanone	0.00	100		N.D. d	
53)	D8-Toluene	13.62	98	783678	50.50 ug/L	100
56)	Toluene	0.00	92		N.D.	
57)	T-1,3-Dichloropropene	0.00	75		N.D.	
58)	Ethyl methacrylate	0.00	69		N.D.	
59)	1,1,2-Trichloroethane	0.00	97		N.D.	
60)	1,3-Dichloropropane	0.00	76		N.D.	
61)	Tetrachloroethene	0.00	164		N.D. d	
62)	2-Hexanone	0.00	43		N.D. d	
63)	Dibromochloromethane	0.00	129		N.D.	
64)	1,2-Dibromoethane	0.00	107		N.D.	
65)	Chlorobenzene	0.00	112		N.D.	
66)	1,1,1,2-Tetrachloroethane	0.00	131		N.D.	
67)	Ethylbenzene	0.00	106		N.D.	
68)	m-xylene & p-xylene	0.00	106		N.D.	
69)	O-Xylene	0.00	106		N.D.	
70)	Styrene	0.00	104		N.D.	
71)	Bromoform	0.00	173		N.D. d	
72)	Isopropylbenzene	0.00	105		N.D.	
73)	C-1,4-Dichloro-2-butene	16.46	53	174	-2.42 ug/L #	1
74)	Bromofluorobenzene	16.40	95	347532	48.59 ug/L #	84
76)	1,1,2,2-Tetrachloroethane	0.00	83		N.D.	
77)	Bromobenzene	0.00	156		N.D.	
78)	1,2,3-Trichloropropane	0.00	75		N.D.	
79)	T-1,4-Dichloro-2-Butene	0.00	53		N.D.	
80)	n-Propylbenzene	0.00	91		N.D.	
82)	2-Chlorotoluene	0.00	91		N.D.	
83)	1,3,5-Trimethylbenzene	0.00	105		N.D.	
84)	4-Chlorotoluene	0.00	91		N.D.	
85)	tert-Butylbenzene	0.00	119		N.D.	
86)	Pentachloroethane	0.00	167		N.D.	
87)	1,2,4-Trimethylbenzene	0.00	105		N.D.	
88)	s-Butylbenzene	0.00	105		N.D.	
89)	1,3-Dichlorobenzene	0.00	146		N.D.	
90)	p-Isopropyltoluene	0.00	119		N.D.	
91)	1,4-Dichlorobenzene	0.00	146		N.D.	
92)	n-Butylbenzene	0.00	91		N.D.	
93)	1,2-Dichlorobenzene	0.00	146		N.D.	
94)	DBCP	0.00	157		N.D. d	
95)	1,2,4-Trichlorobenzene	0.00	180		N.D.	
96)	Hexachlorobutadiene	0.00	225		N.D. d	
97)	Naphthalene	0.00	128		N.D.	
98)	1,2,3-Trichlorobenzene	0.00	180		N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4042.D Vial: 42
Acq On : 5 Dec 2006 6:58 Operator: jdb
Sample : b610170-05 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:44 2006 Quant Results File: 8260W6L1.RES

Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4043.D Vial: 43
Acq On : 5 Dec 2006 7:29 Operator: jdb
Sample : b610170-06 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:45 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.43	168	248731	50.00 ug/L	-0.01
38) 1,4-DIFLUOROBENZENE (IS)	12.09	114	586044	50.00 ug/L	-0.01
55) CHLOROBENZENE-d5(IS)	15.26	117	629896	50.00 ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.45	152	275500	50.00 ug/L	-0.01
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.88	113	219181	53.21 ug/L	-0.01
Spiked Amount 50.000 Range 71 - 136 Recovery = 106.42%					
41) d4-1,2-Dichloroethane(surr	11.55	65	277370	49.59 µg/L	-0.02
Spiked Amount 50.000 Range 70 - 130 Recovery = 99.18%					
54) D8-Toluene (surr)	13.62	98	772107	50.46 ug/L	-0.01
Spiked Amount 50.000 Range 75 - 126 Recovery = 100.92%					
75) Bromofluorobenzene (surr)	16.40	95	346959	49.03 ug/L	-0.01
Spiked Amount 50.000 Range 76 - 120 Recovery = 98.06%					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.00	85		N.D.	
3) Chloromethane	0.00	50		N.D.	
4) Vinyl Chloride	0.00	62		N.D.	
5) Bromomethane	5.57	94	1678	-4.51 ug/L #	18
6) Chloroethane	0.00	64		N.D. d	
7) Trichlorofluoromethane	0.00	101		N.D.	
8) Ethanol	7.07	45	551	-53.16 ug/L	79
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		No Calib #	
10) acrolein	0.00	56		N.D.	
11) 1,1,2Trichloro-1,2,2triflu	0.00	151		N.D.	
12) 1,1-Dichloroethene	0.00	96		N.D.	
13) Acetone	0.00	43		N.D. d	
14) Iodomethane	0.00	142		N.D. d	
15) Carbon disulfide	0.00	76		N.D.	
16) Acetonitrile	0.00	41		N.D. d	
17) 3-chloropropene	0.00	41		N.D.	
18) Methylene Chloride	8.32	84	1024	-1.31 ug/L #	81
19) Acrylonitrile	0.00	53		N.D.	
20) Methyl tert-butyl ether	0.00	73		N.D.	
21) t-1,2-Dichloroethene	0.00	96		N.D.	
22) 1,1-Dichloroethane	0.00	63		N.D.	
23) Vinyl Acetate	9.87	43	292	-20.64 ug/L #	1
24) Isopropyl ether	0.00	45		N.D.	
25) Chloroprene	0.00	88		N.D.	
26) 2-Butanone	0.00	72		N.D. d	
27) c-1,2-Dichloroethene	0.00	96		N.D.	
28) 2,2-Dichloropropane	0.00	77		N.D.	
29) Propionitrile	0.00	54		N.D. d	
30) Methacrylonitrile	0.00	41		N.D. d	
31) Bromochloromethane	0.00	128		N.D.	
32) Chloroform	0.00	83		N.D.	
33) Dibromofluoromethane	10.88	113	219181	53.21 ug/L	80
35) 1,1,1-Trichloroethane	0.00	97		N.D.	
36) 1,1-Dichloropropene	0.00	75		N.D.	
37) Isobutyl alcohol	0.00	43		N.D. d	
39) Carbon Tetrachloride	0.00	117		N.D.	
40) d4-1,2-Dichloroethane	11.55	65	277370	49.59 µg/L #	80
42) 1,2-Dichloroethane	0.00	62		N.D.	
43) Benzene	11.42	78	6647	0.42 ug/L	86
44) Trichloroethene	0.00	130		N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4043.D Vial: 43
Acq On : 5 Dec 2006 7:29 Operator: jdb
Sample : b610170-06 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:45 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

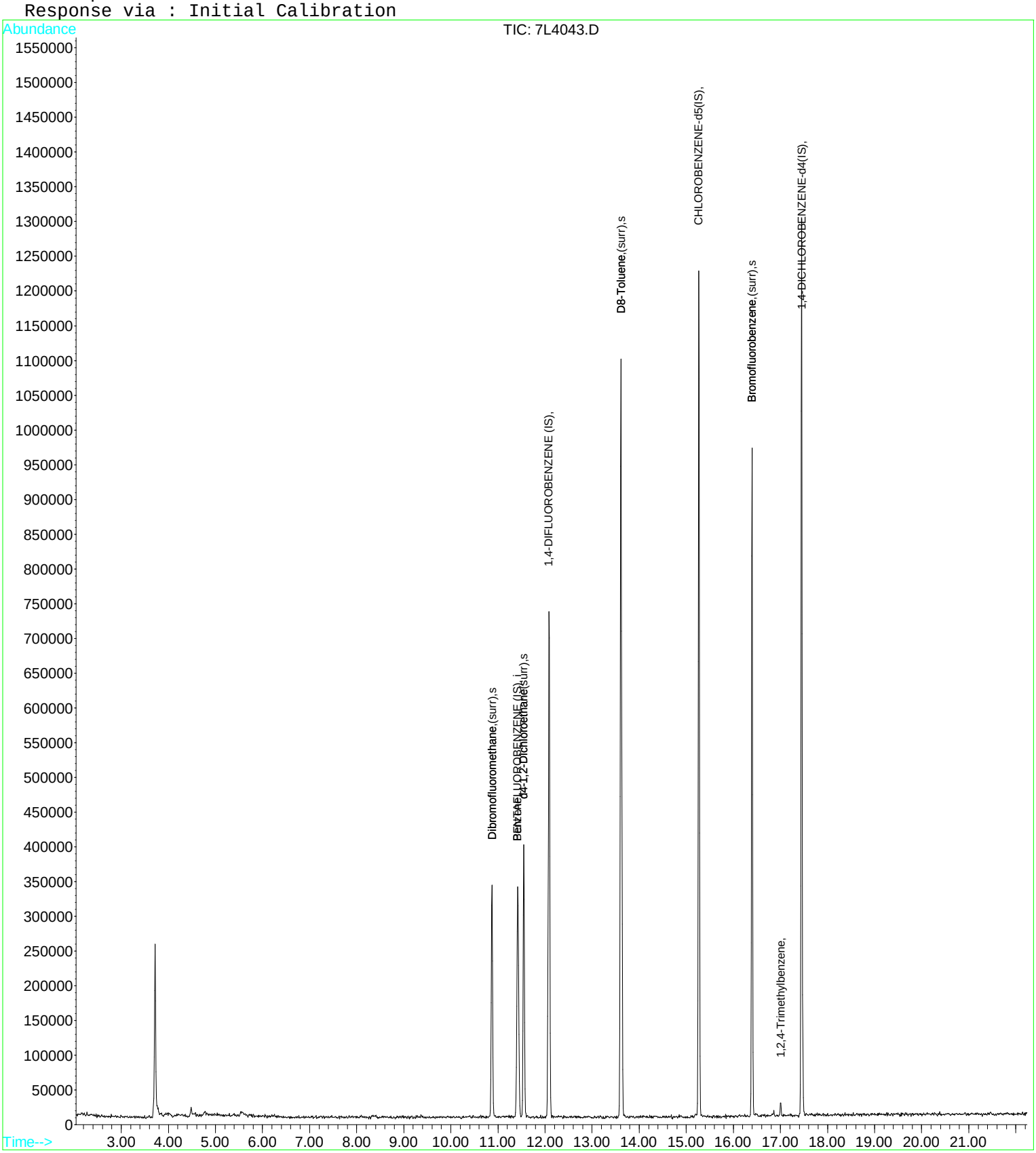
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
45)	1,2-Dichloropropane	0.00	63		N.D.	
46)	Methyl methacrylate	0.00	69		N.D.	
47)	1,4-Dioxane	12.87	88	104	-3.33 ug/L #	1
48)	Dibromomethane	0.00	93		N.D.	
49)	Bromodichloromethane	0.00	83		N.D.	
50)	2-Chloroethyl vinyl ether	0.00	63		N.D. d	
51)	C-1,3-Dichloropropene	0.00	75		N.D.	
52)	4-Methyl-2-pentanone	0.00	100		N.D. d	
53)	D8-Toluene	13.62	98	772107	50.46 ug/L	99
56)	Toluene	0.00	92		N.D.	
57)	T-1,3-Dichloropropene	0.00	75		N.D.	
58)	Ethyl methacrylate	0.00	69		N.D.	
59)	1,1,2-Trichloroethane	0.00	97		N.D.	
60)	1,3-Dichloropropane	0.00	76		N.D.	
61)	Tetrachloroethene	0.00	164		N.D. d	
62)	2-Hexanone	0.00	43		N.D.	
63)	Dibromochloromethane	0.00	129		N.D.	
64)	1,2-Dibromoethane	0.00	107		N.D.	
65)	Chlorobenzene	0.00	112		N.D.	
66)	1,1,1,2-Tetrachloroethane	0.00	131		N.D.	
67)	Ethylbenzene	0.00	106		N.D.	
68)	m-xylene & p-xylene	0.00	106		N.D.	
69)	O-Xylene	0.00	106		N.D.	
70)	Styrene	0.00	104		N.D.	
71)	Bromoform	0.00	173		N.D. d	
72)	Isopropylbenzene	0.00	105		N.D.	
73)	C-1,4-Dichloro-2-butene	16.41	53	202	-2.40 ug/L #	1
74)	Bromofluorobenzene	16.40	95	346959	49.03 ug/L #	83
76)	1,1,2,2-Tetrachloroethane	0.00	83		N.D.	
77)	Bromobenzene	0.00	156		N.D.	
78)	1,2,3-Trichloropropane	0.00	75		N.D.	
79)	T-1,4-Dichloro-2-Butene	0.00	53		N.D.	
80)	n-Propylbenzene	0.00	91		N.D.	
82)	2-Chlorotoluene	0.00	91		N.D.	
83)	1,3,5-Trimethylbenzene	0.00	105		N.D.	
84)	4-Chlorotoluene	0.00	91		N.D.	
85)	tert-Butylbenzene	0.00	119		N.D.	
86)	Pentachloroethane	0.00	167		No Calib #	
87)	1,2,4-Trimethylbenzene	17.00	105	10756	0.90 ug/L	97
88)	s-Butylbenzene	0.00	105		N.D.	
89)	1,3-Dichlorobenzene	0.00	146		N.D.	
90)	p-Isopropyltoluene	0.00	119		N.D.	
91)	1,4-Dichlorobenzene	0.00	146		N.D.	
92)	n-Butylbenzene	0.00	91		N.D.	
93)	1,2-Dichlorobenzene	0.00	146		N.D.	
94)	DBCP	0.00	157		N.D. d	
95)	1,2,4-Trichlorobenzene	0.00	180		N.D.	
96)	Hexachlorobutadiene	0.00	225		N.D. d	
97)	Naphthalene	0.00	128		N.D.	
98)	1,2,3-Trichlorobenzene	0.00	180		N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4043.D Vial: 43
Acq On : 5 Dec 2006 7:29 Operator: jdb
Sample : b610170-06 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:45 2006 Quant Results File: 8260W6L1.RES

Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4037.D Vial: 37
Acq On : 5 Dec 2006 4:25 Operator: jdb
Sample : B610520-01 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:38 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.42	168	276678	50.00 ug/L	-0.02
38) 1,4-DIFLUOROBENZENE (IS)	12.08	114	620076	50.00 ug/L	-0.02
55) CHLOROBENZENE-d5(IS)	15.27	117	660138	50.00 ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.46	152	291971	50.00 ug/L	0.00

System Monitoring Compounds

34) Dibromofluoromethane (surr	10.88	113	224452	48.99 ug/L	0.00
Spiked Amount 50.000	Range 71 - 136		Recovery = 97.98%		
41) d4-1,2-Dichloroethane(surr	11.55	65	284104	48.01 µg/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.02%		
54) D8-Toluene (surr)	13.62	98	817350	50.49 ug/L	0.00
Spiked Amount 50.000	Range 75 - 126		Recovery = 100.98%		
75) Bromofluorobenzene (surr)	16.40	95	362714	48.90 ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery = 97.80%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.00	85		N.D.	
3) Chloromethane	0.00	50		N.D.	
4) Vinyl Chloride	0.00	62		N.D.	
5) Bromomethane	5.55	94	963	-4.89 ug/L #	54
6) Chloroethane	0.00	64		N.D.	
7) Trichlorofluoromethane	0.00	101		N.D.	
8) Ethanol	6.96	45	478	-56.46 ug/L	71
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		No Calib #	
10) acrolein	0.00	56		N.D. d	
11) 1,1,2Trichloro-1,2,2triflu	0.00	151		N.D.	
12) 1,1-Dichloroethene	0.00	96		N.D.	
13) Acetone	0.00	43		N.D. d	
14) Iodomethane	0.00	142		N.D. d	
15) Carbon disulfide	0.00	76		N.D.	
16) Acetonitrile	0.00	41		N.D. d	
17) 3-chloropropene	0.00	41		N.D.	
18) Methylene Chloride	8.32	84	437	-1.46 ug/L #	14
19) Acrylonitrile	0.00	53		N.D.	
20) Methyl tert-butyl ether	0.00	73		N.D.	
21) t-1,2-Dichloroethene	0.00	96		N.D.	
22) 1,1-Dichloroethane	0.00	63		N.D.	
23) Vinyl Acetate	9.88	43	207	-20.65 ug/L #	1
24) Isopropyl ether	0.00	45		N.D.	
25) Chloroprene	0.00	88		N.D.	
26) 2-Butanone	0.00	72		N.D. d	
27) c-1,2-Dichloroethene	0.00	96		N.D.	
28) 2,2-Dichloropropane	0.00	77		N.D.	
29) Propionitrile	0.00	54		N.D. d	
30) Methacrylonitrile	0.00	41		N.D.	
31) Bromochloromethane	0.00	128		N.D.	
32) Chloroform	0.00	83		N.D.	
33) Dibromofluoromethane	10.88	113	224452	48.99 ug/L	83
35) 1,1,1-Trichloroethane	0.00	97		N.D.	
36) 1,1-Dichloropropene	0.00	75		N.D.	
37) Isobutyl alcohol	0.00	43		N.D. d	
39) Carbon Tetrachloride	0.00	117		N.D.	
40) d4-1,2-Dichloroethane	11.55	65	284104	48.01 µg/L #	79
42) 1,2-Dichloroethane	0.00	62		N.D.	
43) Benzene	0.00	78		N.D.	
44) Trichloroethene	0.00	130		N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4037.D Vial: 37
Acq On : 5 Dec 2006 4:25 Operator: jdb
Sample : B610520-01 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:38 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

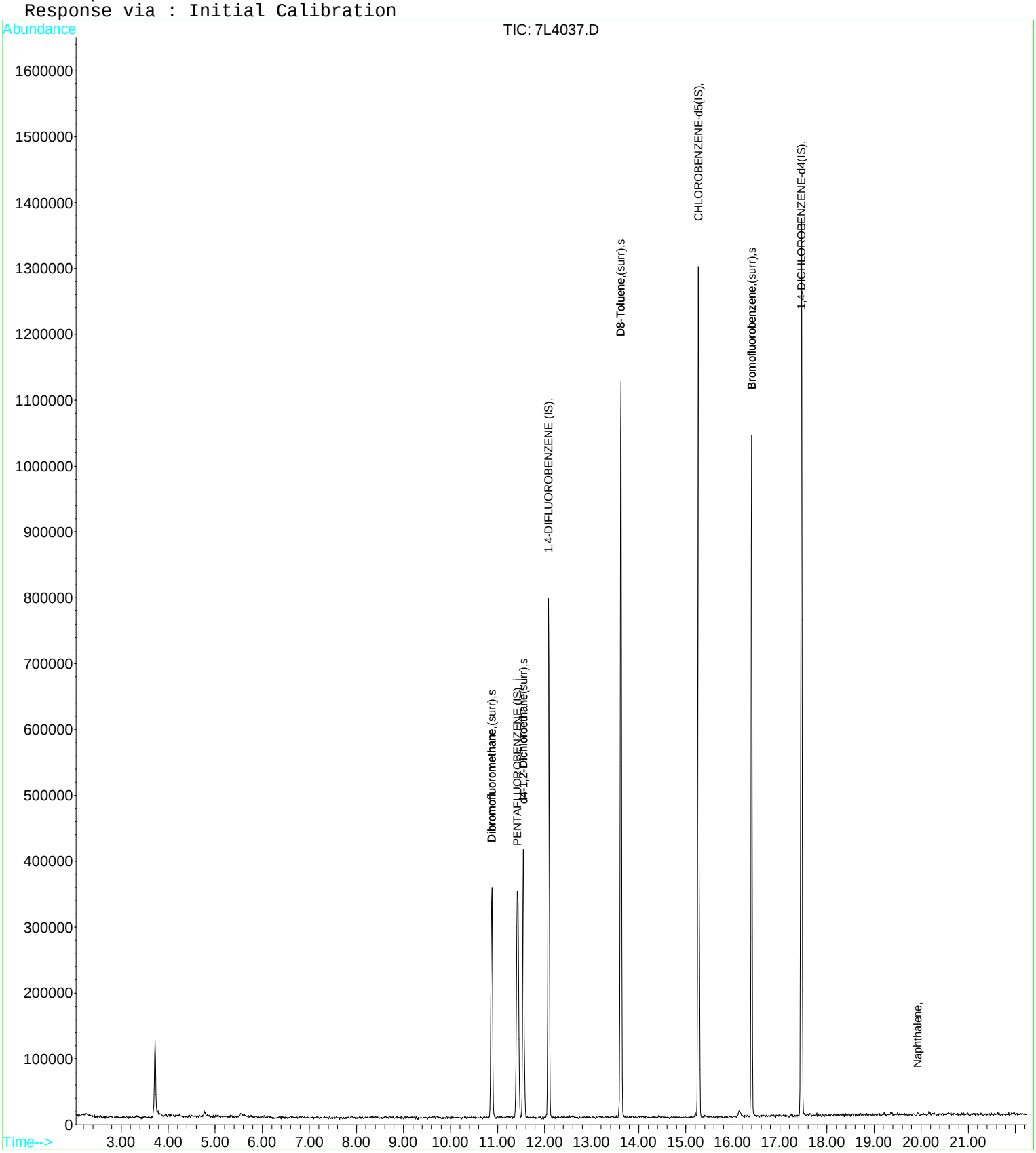
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
45)	1,2-Dichloropropane	0.00	63		N.D.	
46)	Methyl methacrylate	0.00	69		N.D.	
47)	1,4-Dioxane	12.94	88	132	-2.79 ug/L #	16
48)	Dibromomethane	0.00	93		N.D.	
49)	Bromodichloromethane	0.00	83		N.D.	
50)	2-Chloroethyl vinyl ether	0.00	63		N.D. d	
51)	C-1,3-Dichloropropene	0.00	75		N.D.	
52)	4-Methyl-2-pentanone	0.00	100		N.D. d	
53)	D8-Toluene	13.62	98	817350	50.49 ug/L	98
56)	Toluene	0.00	92		N.D.	
57)	T-1,3-Dichloropropene	0.00	75		N.D.	
58)	Ethyl methacrylate	0.00	69		N.D.	
59)	1,1,2-Trichloroethane	0.00	97		N.D.	
60)	1,3-Dichloropropane	0.00	76		N.D.	
61)	Tetrachloroethene	0.00	164		N.D. d	
62)	2-Hexanone	0.00	43		N.D.	
63)	Dibromochloromethane	0.00	129		N.D.	
64)	1,2-Dibromoethane	0.00	107		N.D.	
65)	Chlorobenzene	0.00	112		N.D.	
66)	1,1,1,2-Tetrachloroethane	0.00	131		N.D.	
67)	Ethylbenzene	0.00	106		N.D.	
68)	m-xylene & p-xylene	0.00	106		N.D.	
69)	O-Xylene	0.00	106		N.D.	
70)	Styrene	0.00	104		N.D.	
71)	Bromoform	0.00	173		N.D. d	
72)	Isopropylbenzene	0.00	105		N.D.	
73)	C-1,4-Dichloro-2-butene	16.42	53	289	-2.36 ug/L #	1
74)	Bromofluorobenzene	16.40	95	362714	48.90 ug/L	83
76)	1,1,2,2-Tetrachloroethane	0.00	83		N.D.	
77)	Bromobenzene	0.00	156		N.D.	
78)	1,2,3-Trichloropropane	0.00	75		N.D.	
79)	T-1,4-Dichloro-2-Butene	0.00	53		N.D.	
80)	n-Propylbenzene	0.00	91		N.D.	
82)	2-Chlorotoluene	0.00	91		N.D.	
83)	1,3,5-Trimethylbenzene	0.00	105		N.D.	
84)	4-Chlorotoluene	0.00	91		N.D.	
85)	tert-Butylbenzene	0.00	119		N.D.	
86)	Pentachloroethane	0.00	167		No Calib #	
87)	1,2,4-Trimethylbenzene	0.00	105		N.D.	
88)	s-Butylbenzene	0.00	105		N.D.	
89)	1,3-Dichlorobenzene	0.00	146		N.D.	
90)	p-Isopropyltoluene	0.00	119		N.D.	
91)	1,4-Dichlorobenzene	0.00	146		N.D.	
92)	n-Butylbenzene	0.00	91		N.D.	
93)	1,2-Dichlorobenzene	0.00	146		N.D.	
94)	DBCP	0.00	157		N.D. d	
95)	1,2,4-Trichlorobenzene	0.00	180		N.D.	
96)	Hexachlorobutadiene	0.00	225		N.D. d	
97)	Naphthalene	19.92	128	3106	0.32 ug/L	89
98)	1,2,3-Trichlorobenzene	0.00	180		N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4037.D Vial: 37
Acq On : 5 Dec 2006 4:25 Operator: jdb
Sample : B610520-01 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 5 10:38 2006 Quant Results File: 8260W6L1.RES

Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration



VOLATILES CALIBRATION DATA

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4027.D Vial: 27
Acq On : 4 Dec 2006 23:18 Operator: jdb
Sample : ba00077-ccv1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 13:07 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.42	168	272130	50.00 ug/L	-0.02
38) 1,4-DIFLUOROBENZENE (IS)	12.08	114	622558	50.00 ug/L	-0.02
55) CHLOROBENZENE-d5(IS)	15.27	117	680015	50.00 ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.46	152	316961	50.00 ug/L	0.00
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.87	113	225435	50.03 ug/L	-0.02
Spiked Amount 50.000 Range 71 - 136 Recovery = 100.06%					
41) d4-1,2-Dichloroethane(surr	11.55	65	278688	46.90 µg/L	-0.02
Spiked Amount 50.000 Range 70 - 130 Recovery = 93.80%					
54) D8-Toluene (surr)	13.62	98	799852	49.21 ug/L	0.00
Spiked Amount 50.000 Range 75 - 126 Recovery = 98.42%					
75) Bromofluorobenzene (surr)	16.39	95	378508	49.54 ug/L	-0.02
Spiked Amount 50.000 Range 76 - 120 Recovery = 99.08%					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.11	85	136080	51.12 ug/L	97
3) Chloromethane	4.62	50	271991	51.76 ug/L	97
4) Vinyl Chloride	4.80	62	247423	54.15 ug/L	94
5) Bromomethane	5.57	94	170349	66.94 ug/L	95
6) Chloroethane	5.87	64	171256	52.16 ug/L	97
7) Trichlorofluoromethane	6.18	101	277435	55.25 ug/L	96
8) Ethanol	7.02	45	48065	1123.77 ug/L	99
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		No Calib #	
10) acrolein	7.87	56	280691	251.42 ug/L	94
11) 1,1,2Trichloro-1,2,2triflu	7.34	151	210392	102.00 ug/L #	52
12) 1,1-Dichloroethene	7.26	96	187095	50.12 ug/L #	86
13) Acetone	8.36	43	401729	264.83 ug/L	99
14) Iodomethane	7.55	142	1320739	264.89 ug/L	89
15) Carbon disulfide	7.36	76	4429763	289.48 ug/L	96
16) Acetonitrile	9.12	41	358990	477.64 ug/L	92
17) 3-chloropropene	8.14	41	353160	53.61 ug/L #	92
18) Methylene Chloride	8.31	84	255591	52.90 ug/L #	74
19) Acrylonitrile	9.60	53	680413	251.93 ug/L	94
20) Methyl tert-butyl ether	8.75	73	549882	48.53 ug/L	88
21) t-1,2-Dichloroethene	8.60	96	218794	51.30 ug/L	90
22) 1,1-Dichloroethane	9.56	63	422189	49.61 ug/L	95
23) Vinyl Acetate	9.85	43	2325191	319.89 ug/L	96
24) Isopropyl ether	9.33	45	908389	50.69 ug/L #	78
25) Chloroprene	9.53	88	178472	54.81 ug/L	100
26) 2-Butanone	11.00	72	136903	286.22 ug/L #	46
27) c-1,2-Dichloroethene	10.30	96	236185	51.84 ug/L	97
28) 2,2-Dichloropropane	10.46	77	233370	48.15 ug/L	98
29) Propionitrile	11.38	54	329430	502.62 ug/L	77
30) Methacrylonitrile	11.41	41	1756742	512.69 ug/L	86
31) Bromochloromethane	10.57	128	92316	49.18 ug/L	96
32) Chloroform	10.63	83	393431	48.52 ug/L	97
33) Dibromofluoromethane	10.87	113	225435	50.03 ug/L	82
35) 1,1,1-Trichloroethane	10.95	97	292655	49.42 ug/L	88
36) 1,1-Dichloropropene	11.10	75	296569	51.62 ug/L	94
37) Isobutyl alcohol	11.49	43	403321	1058.51 ug/L	65
39) Carbon Tetrachloride	10.87	117	230546	46.34 ug/L	96
40) d4-1,2-Dichloroethane	11.55	65	278688	46.90 µg/L #	80
42) 1,2-Dichloroethane	11.63	62	306386	45.43 ug/L #	14
43) Benzene	11.41	78	837859	49.58 ug/L	97
44) Trichloroethene	12.08	130	194321	50.57 ug/L	92

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067L4\7L4027.D Vial: 27
Acq On : 4 Dec 2006 23:18 Operator: jdb
Sample : ba00077-ccv1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 13:07 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6L1

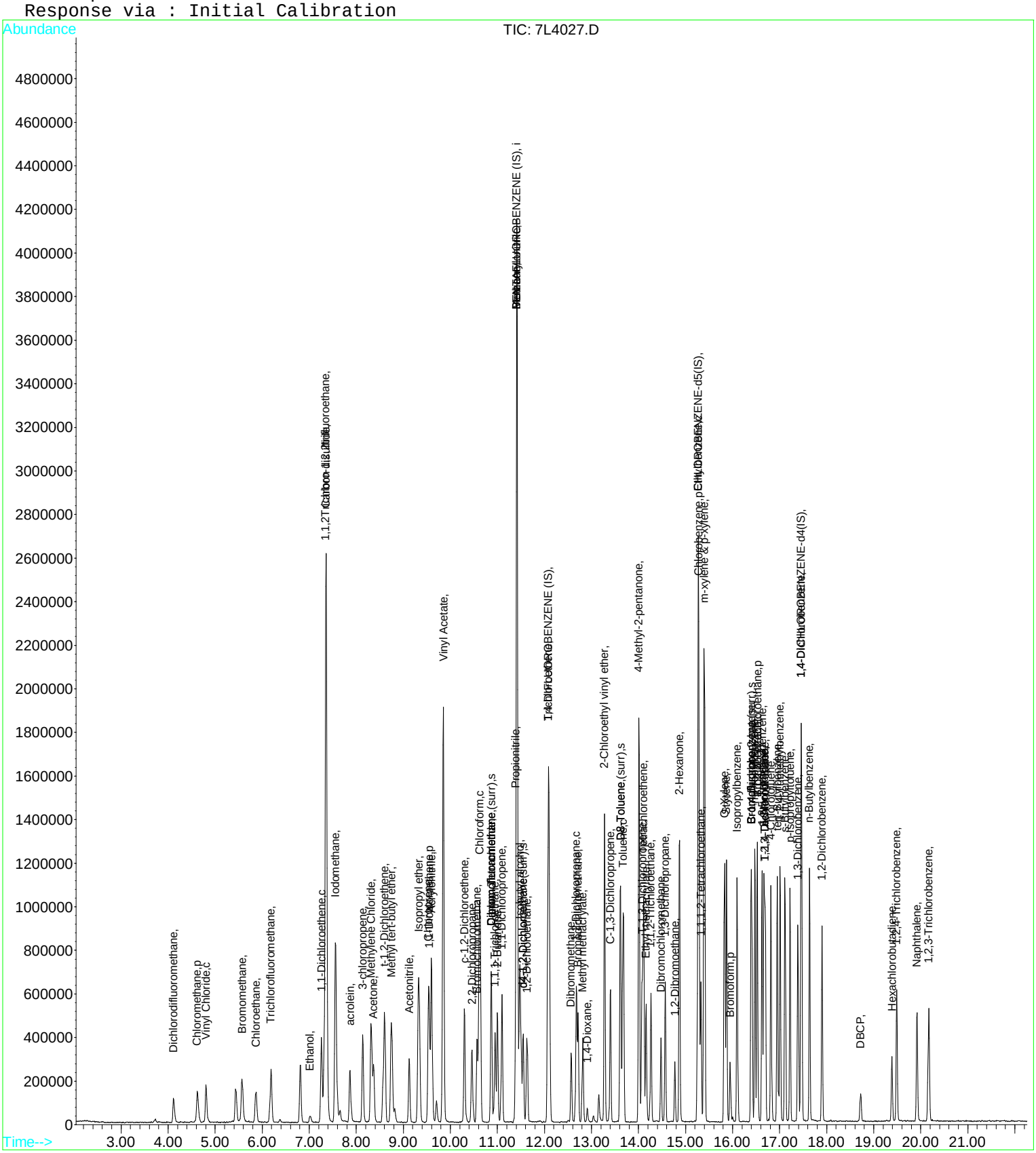
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45)	1,2-Dichloropropane	12.67	63	243614	49.88 ug/L		88
46)	Methyl methacrylate	12.81	69	151981	52.14 ug/L		80
47)	1,4-Dioxane	12.91	88	39696	964.62 ug/L		82
48)	Dibromomethane	12.56	93	145891	47.66 ug/L	#	76
49)	Bromodichloromethane	12.71	83	313508	46.86 ug/L		98
50)	2-Chloroethyl vinyl ether	13.27	63	605921	306.96 ug/L		88
51)	C-1,3-Dichloropropene	13.40	75	359680	50.91 ug/L		97
52)	4-Methyl-2-pentanone	14.01	100	157728	279.54 ug/L	#	1
53)	D8-Toluene	13.62	98	799852	49.21 ug/L		98
56)	Toluene	13.68	92	483033	46.80 ug/L		99
57)	T-1,3-Dichloropropene	14.07	75	301797	47.47 ug/L		98
58)	Ethyl methacrylate	14.16	69	286559	47.06 ug/L		87
59)	1,1,2-Trichloroethane	14.26	97	183665	44.91 ug/L		88
60)	1,3-Dichloropropane	14.57	76	359898	46.04 ug/L		96
61)	Tetrachloroethene	14.10	164	217058	46.48 ug/L		94
62)	2-Hexanone	14.87	43	1054762	281.36 ug/L		90
63)	Dibromochloromethane	14.48	129	192584	47.70 ug/L		99
64)	1,2-Dibromoethane	14.77	107	193802	48.18 ug/L		97
65)	Chlorobenzene	15.29	112	487370	47.21 ug/L		98
66)	1,1,1,2-Tetrachloroethane	15.33	131	163156	46.65 ug/L		98
67)	Ethylbenzene	15.27	106	249504	47.53 ug/L		76
68)	m-xylene & p-xylene	15.40	106	610372	94.34 ug/L		88
69)	O-Xylene	15.83	106	306629	48.66 ug/L		93
70)	Styrene	15.87	104	530564	49.36 ug/L		97
71)	Bromoform	15.95	173	98319	42.79 ug/L		98
72)	Isopropylbenzene	16.10	105	695446	49.25 ug/L		96
73)	C-1,4-Dichloro-2-butene	16.41	53	88761	47.32 ug/L	#	1
74)	Bromofluorobenzene	16.39	95	378508	49.54 ug/L	#	83
76)	1,1,2,2-Tetrachloroethane	16.53	83	250647	45.79 ug/L		97
77)	Bromobenzene	16.53	156	169393	44.83 ug/L		98
78)	1,2,3-Trichloropropane	16.70	75	320093	46.07 ug/L	#	45
79)	T-1,4-Dichloro-2-Butene	16.70	53	83002	44.36 ug/L	#	83
80)	n-Propylbenzene	16.47	91	1021996	47.38 ug/L		89
82)	2-Chlorotoluene	16.67	91	703672	49.32 ug/L		94
83)	1,3,5-Trimethylbenzene	16.63	105	629408	47.38 ug/L		100
84)	4-Chlorotoluene	16.82	91	631258	46.02 ug/L		93
85)	tert-Butylbenzene	16.95	119	487102	47.40 ug/L		95
86)	Pentachloroethane	0.00	167		No Calib	#	
87)	1,2,4-Trimethylbenzene	17.00	105	654993	47.52 ug/L		98
88)	s-Butylbenzene	17.11	105	804002	47.94 ug/L		89
89)	1,3-Dichlorobenzene	17.39	146	321045	43.76 ug/L		98
90)	p-Isopropyltoluene	17.22	119	585580	47.19 ug/L		96
91)	1,4-Dichlorobenzene	17.47	146	333565	45.12 ug/L		97
92)	n-Butylbenzene	17.63	91	659330	47.56 ug/L		92
93)	1,2-Dichlorobenzene	17.90	146	315020	46.48 ug/L		97
94)	DBCP	18.73	157	29851m	41.71 ug/L		85
95)	1,2,4-Trichlorobenzene	19.49	180	182405	47.14 ug/L		100
96)	Hexachlorobutadiene	19.39	225	50432	44.70 ug/L		98
97)	Naphthalene	19.92	128	448407	43.21 ug/L		97
98)	1,2,3-Trichlorobenzene	20.17	180	160705	43.65 ug/L		99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4027.D Vial: 27
Acq On : 4 Dec 2006 23:18 Operator: jdb
Sample : ba00077-ccv1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 13:07 2006 Quant Results File: 8260W6L1.RES

Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4027.D Vial: 27
Acq On : 4 Dec 2006 23:18 Operator: jdb
Sample : ba00077-ccv1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1	i	PENTAFLUOROBENZENE (IS)	1.000	1.000	0.0	99	-0.02	
2		Dichlorodifluoromethane	0.489	0.500	-2.2	92	-0.02	
3	p	Chloromethane	0.966	0.999	-3.4	99	-0.02	
4	c	Vinyl Chloride	0.840	0.909	-8.2	103	-0.02	
5		Bromomethane	50.000	66.942	-33.9#	117	-0.02	L
6		Chloroethane	0.603	0.629	-4.3	109	0.00	
7		Trichlorofluoromethane	0.923	1.019	-10.4	101	-0.02	
8		Ethanol	1000.000	1123.766	-12.4	99	-0.02	L
9		1,2-Dichloro-1,1,2-trifluro	0.000	0.001	0.0	0#	0.01	
10		acrolein	0.205	0.206	-0.5	104	-0.02	
11		1,1,2Trichloro-1,2,2trifluo	0.379	0.387	-2.1	100	-0.02	
12	c	1,1-Dichloroethene	0.686	0.688	-0.3	98	-0.02	
13		Acetone	0.279	0.295	-5.7	113	-0.02	
14		Iodomethane	250.000	264.891	-6.0	105	-0.03	L
15		Carbon disulfide	2.812	3.256	-15.8	112	-0.02	
16		Acetonitrile	0.138	0.132	4.3	102	-0.02	
17		3-chloropropene	1.210	1.298	-7.3	99	-0.02	
18		Methylene Chloride	50.000	52.898	-5.8	102	-0.02	L
19		Acrylonitrile	0.496	0.500	-0.8	109	-0.02	
20		Methyl tert-butyl ether	2.082	2.021	2.9	95	-0.02	
21		t-1,2-Dichloroethene	0.784	0.804	-2.6	102	-0.02	
22	p	1,1-Dichloroethane	1.564	1.551	0.8	100	-0.02	
23		Vinyl Acetate	250.000	319.886	-28.0#	117	-0.02	L
24		Isopropyl ether	3.293	3.338	-1.4	101	-0.02	
25		Chloroprene	0.598	0.656	-9.7	104	-0.02	
26		2-Butanone	0.088	0.101	-14.8	114	-0.02	
27		c-1,2-Dichloroethene	0.837	0.868	-3.7	103	-0.02	
28		2,2-Dichloropropane	0.891	0.858	3.7	97	-0.02	
29		Propionitrile	0.120	0.121	-0.8	102	-0.02	
30		Methacrylonitrile	0.630	0.646	-2.5	101	-0.02	
31		Bromochloromethane	0.345	0.339	1.7	97	0.00	
32	c	Chloroform	1.490	1.446	3.0	98	-0.02	
33		Dibromofluoromethane	0.828	0.828	0.0	101	-0.02	
34	s	Dibromofluoromethane (surr)	0.828	0.828	0.0	101	-0.02	
35		1,1,1-Trichloroethane	1.088	1.075	1.2	97	-0.02	
36		1,1-Dichloropropene	1.056	1.090	-3.2	99	-0.02	
37		Isobutyl alcohol	0.070	0.074	-5.7	102	0.00	
38		1,4-DIFLUOROBENZENE (IS)	1.000	1.000	0.0	104	-0.02	
39		Carbon Tetrachloride	0.400	0.370	7.5	92	-0.02	
40		d4-1,2-Dichloroethane	0.477	0.448	6.1	97	-0.02	
41	s	d4-1,2-Dichloroethane(surr)	0.477	0.448	6.1	97	-0.02	
42		1,2-Dichloroethane	0.542	0.492	9.2	96	-0.02	
43		Benzene	1.357	1.346	0.8	101	-0.02	
44		Trichloroethene	0.309	0.312	-1.0	99	0.00	
45	c	1,2-Dichloropropane	0.392	0.391	0.3	97	-0.02	
46		Methyl methacrylate	0.234	0.244	-4.3	100	-0.02	
47		1,4-Dioxane	1000.000	964.619	3.5	97	-0.02	L
48		Dibromomethane	0.246	0.234	4.9	100	-0.02	
49		Bromodichloromethane	0.537	0.504	6.1	98	-0.02	
50		2-Chloroethyl vinyl ether	250.000	306.959	-22.8#	135	-0.02	L
51		C-1,3-Dichloropropene	0.567	0.578	-1.9	97	0.00	
52		4-Methyl-2-pentanone	0.045	0.051	-13.3	114	0.00	
53		D8-Toluene	1.305	1.285	1.5	100	0.00	
54	s	D8-Toluene (surr)	1.305	1.285	1.5	100	0.00	

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\20067L4\7L4027.D Vial: 27
Acq On : 4 Dec 2006 23:18 Operator: jdb
Sample : ba00077-ccv1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

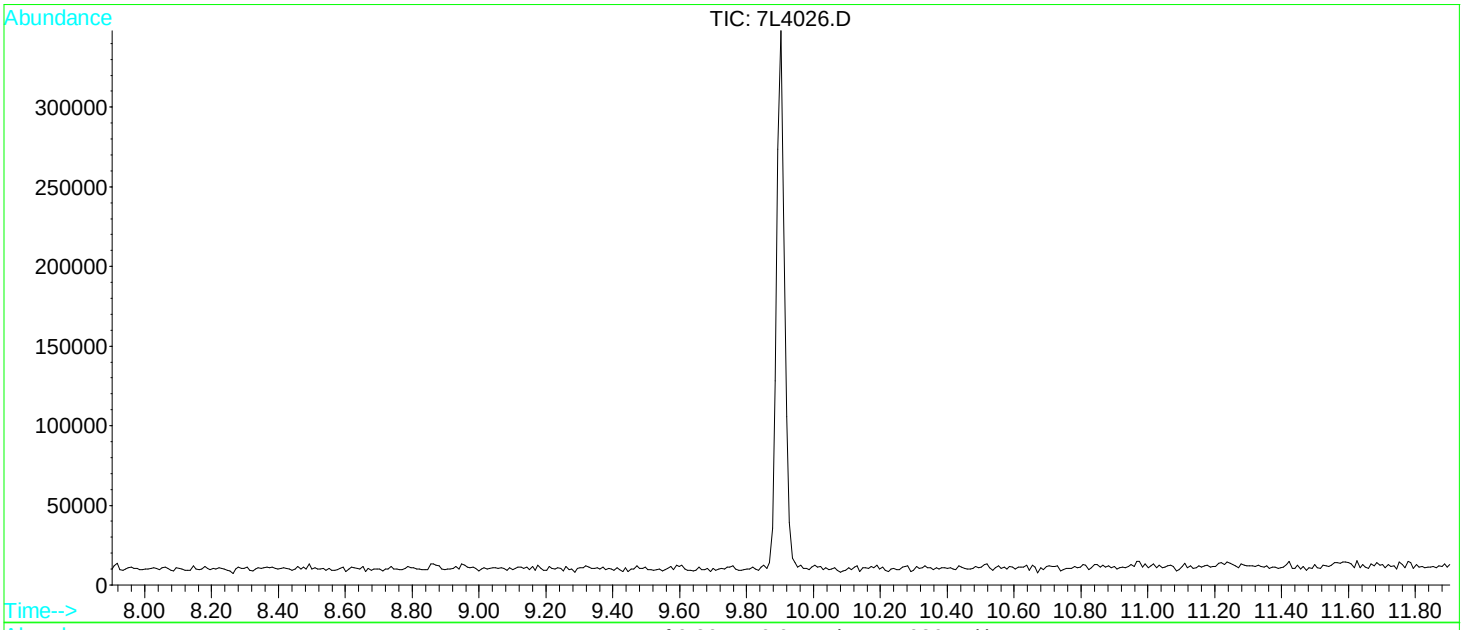
Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Multiple Level Calibration

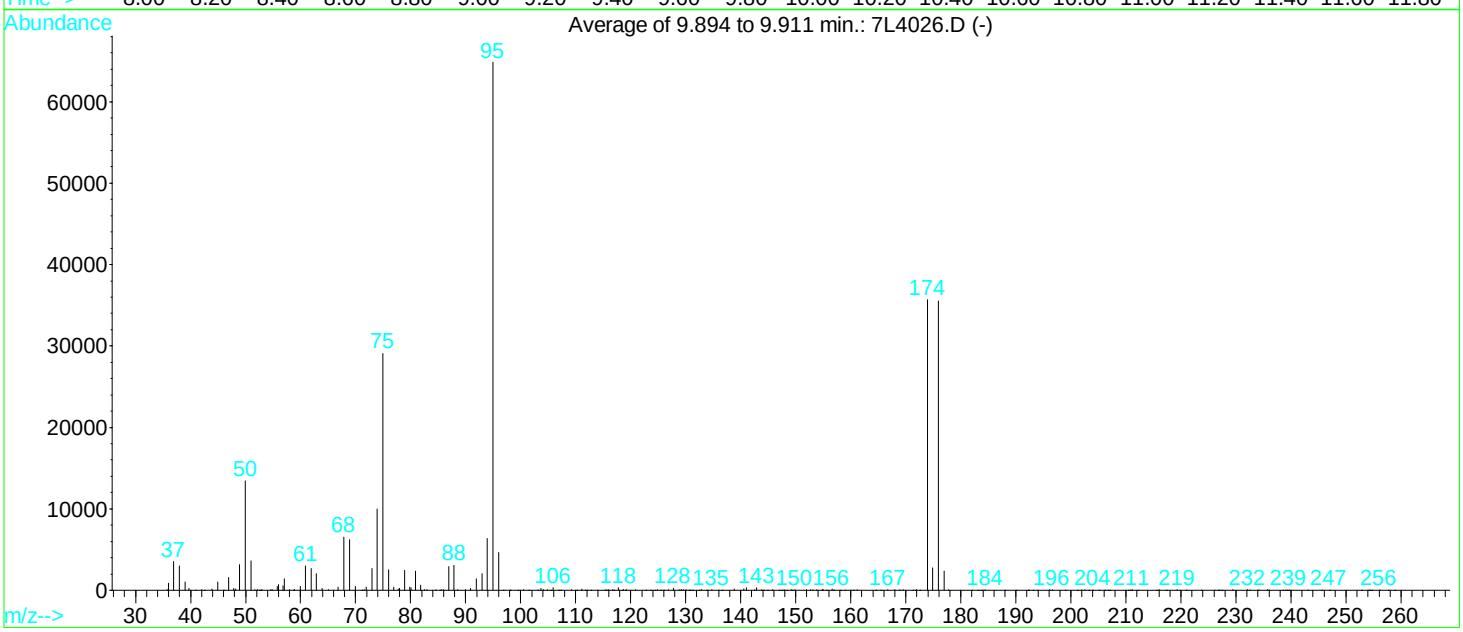
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
56	c	Toluene	0.759	0.710	6.5	102	0.00	
57		T-1,3-Dichloropropene	0.467	0.444	4.9	97	-0.02	
58		Ethyl methacrylate	0.448	0.421	6.0	98	0.00	
59		1,1,2-Trichloroethane	0.301	0.270	10.3	99	-0.02	
60		1,3-Dichloropropane	0.575	0.529	8.0	100	0.00	
61		Tetrachloroethene	50.000	46.483	7.0	101	-0.02	L
62		2-Hexanone	0.276	0.310	-12.3	115	0.00	
63		Dibromochloromethane	0.297	0.283	4.7	97	-0.02	
64		1,2-Dibromoethane	0.296	0.285	3.7	97	-0.02	
65	p	Chlorobenzene	0.759	0.717	5.5	98	0.00	
66		1,1,1,2-Tetrachloroethane	0.257	0.240	6.6	96	-0.02	
67	c	Ethylbenzene	0.386	0.367	4.9	96	0.00	
68		m-xylene & p-xylene	0.476	0.449	5.7	100	-0.02	
69		O-Xylene	0.463	0.451	2.6	101	0.00	
70		Styrene	0.790	0.780	1.3	99	0.00	
71	p	Bromoform	50.000	42.790	14.4	95	0.00	L
72		Isopropylbenzene	1.038	1.023	1.4	98	-0.02	
73		C-1,4-Dichloro-2-butene	50.000	47.322	5.4	96	0.00	L
74		Bromofluorobenzene	0.562	0.557	0.9	107	-0.02	
75	s	Bromofluorobenzene (surr)	0.562	0.557	0.9	107	-0.02	
76	p	1,1,2,2-Tetrachloroethane	0.403	0.369	8.4	101	0.00	
77		Bromobenzene	0.278	0.249	10.4	96	0.00	
78		1,2,3-Trichloropropane	0.511	0.471	7.8	96	0.00	
79		T-1,4-Dichloro-2-Butene	0.138	0.122	11.6	99	0.00	
80		n-Propylbenzene	1.586	1.503	5.2	96	-0.02	
81		1,4-DICHLOROBENZENE-d4(IS)	1.000	1.000	0.0	110	0.00	
82		2-Chlorotoluene	2.251	2.220	1.4	107	0.00	
83		1,3,5-Trimethylbenzene	2.095	1.986	5.2	96	0.00	
84		4-Chlorotoluene	2.164	1.992	7.9	98	0.00	
85		tert-Butylbenzene	1.621	1.537	5.2	98	0.00	
86		Pentachloroethane	50.000	0.000	100.0#	0	0.00	L
87		1,2,4-Trimethylbenzene	2.174	2.066	5.0	96	0.00	
88		s-Butylbenzene	2.645	2.537	4.1	97	-0.02	
89		1,3-Dichlorobenzene	1.157	1.013	12.4	96	-0.02	
90		p-Isopropyltoluene	1.958	1.847	5.7	95	0.00	
91		1,4-Dichlorobenzene	1.166	1.052	9.8	98	-0.02	
92		n-Butylbenzene	2.187	2.080	4.9	97	0.00	
93		1,2-Dichlorobenzene	1.069	0.994	7.0	96	0.00	
94		DBCP	50.000	41.712	16.6	95	0.00	L
95		1,2,4-Trichlorobenzene	0.610	0.575	5.7	99	-0.02	
96		Hexachlorobutadiene	50.000	44.697	10.6	99	-0.02	L
97		Naphthalene	1.637	1.415	13.6	92	0.00	
98		1,2,3-Trichlorobenzene	0.581	0.507	12.7	92	-0.02	

BFB

Data File : C:\HPCHEM\1\DATA\20067L4\7L4026.D Vial: 26
Acq On : 4 Dec 2006 22:47 Operator: jdb
Sample : ba00077-tun1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260





Spectrum Information: Average of 9.894 to 9.911 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	13461	PASS
75	95	30	60	44.9	29091	PASS
95	95	100	100	100.0	64824	PASS
96	95	5	9	7.2	4673	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	55.1	35725	PASS
175	174	5	9	7.7	2764	PASS
176	174	95	101	99.5	35531	PASS
177	176	5	9	6.5	2326	PASS

7L4026.D 8260W6L1.M Sun Dec 10 14:34:43 2006

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY005.D Vial: 5
Acq On : 30 Nov 2006 16:52 Operator: ds
Sample : BA00075-CAL1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:10 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.44	168	262873	50.00	ug/L	-0.02
38) 1,4-DIFLUOROBENZENE (IS)	12.11	114	592876	50.00	ug/L	-0.02
55) CHLOROBENZENE-d5(IS)	15.28	117	605532	50.00	ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.47	152	263399	50.00	ug/L	-0.02

System Monitoring Compounds

34) Dibromofluoromethane (surr	10.89	113	224161	69.50	ug/L	-0.02
Spiked Amount 50.000	Range 71 - 136		Recovery = 139.00%#			
41) d4-1,2-Dichloroethane(surr	11.56	65	294389	57.27	µg/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery = 114.54%			
54) D8-Toluene (surr)	13.63	98	753600	55.63	ug/L	-0.03
Spiked Amount 50.000	Range 75 - 126		Recovery = 111.26%			
75) Bromofluorobenzene (surr)	16.41	95	325670m	62.48	ug/L	-0.02
Spiked Amount 50.000	Range 76 - 120		Recovery = 124.96%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85		N.D.	d	
3) Chloromethane	0.00	50		N.D.	d	
4) Vinyl Chloride	0.00	62		N.D.	d	
5) Bromomethane	0.00	94		N.D.	d	
6) Chloroethane	0.00	64		N.D.	d	
7) Trichlorofluoromethane	0.00	101		N.D.	d	
8) Ethanol	0.00	45		N.D.	d	
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		N.D.	d	
10) acrolein	0.00	56		N.D.	d	
11) 1,1,2Trichloro-1,2,2triflu	0.00	151		N.D.	d	
12) 1,1-Dichloroethene	0.00	96		N.D.	d	
13) Acetone	0.00	43		N.D.	d	
14) Iodomethane	0.00	142		N.D.	d	
15) Carbon disulfide	0.00	76		N.D.	d	
16) Acetonitrile	0.00	41		N.D.	d	
17) 3-chloropropene	0.00	41		N.D.	d	
18) Methylene Chloride	0.00	84		N.D.	d	
19) Acrylonitrile	9.62	53	3237	-12.54	ug/L	98
20) Methyl tert-butyl ether	0.00	73		N.D.	d	
21) t-1,2-Dichloroethene	0.00	96		N.D.	d	
22) 1,1-Dichloroethane	0.00	63		N.D.	d	
23) Vinyl Acetate	0.00	43		N.D.	d	
24) Isopropyl ether	0.00	45		N.D.	d	
25) Chloroprene	0.00	88		N.D.	d	
26) 2-Butanone	0.00	72		N.D.	d	
27) c-1,2-Dichloroethene	0.00	96		N.D.	d	
28) 2,2-Dichloropropane	0.00	77		N.D.	d	
29) Propionitrile	0.00	54		N.D.	d	
30) Methacrylonitrile	0.00	41		N.D.	d	
31) Bromochloromethane	0.00	128		N.D.	d	
32) Chloroform	0.00	83		N.D.	d	
33) Dibromofluoromethane	10.89	113	224161	69.50	ug/L	80
35) 1,1,1-Trichloroethane	0.00	97		N.D.	d	
36) 1,1-Dichloropropene	0.00	75		N.D.	d	
37) Isobutyl alcohol	0.00	43		N.D.	d	
39) Carbon Tetrachloride	0.00	117		N.D.	d	
40) d4-1,2-Dichloroethane	11.56	65	294389	57.27	µg/L #	83
42) 1,2-Dichloroethane	0.00	62		N.D.	d	
43) Benzene	0.00	78		N.D.	d	
44) Trichloroethene	0.00	130		N.D.	d	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY005.D Vial: 5
Acq On : 30 Nov 2006 16:52 Operator: ds
Sample : BA00075-CAL1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:10 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

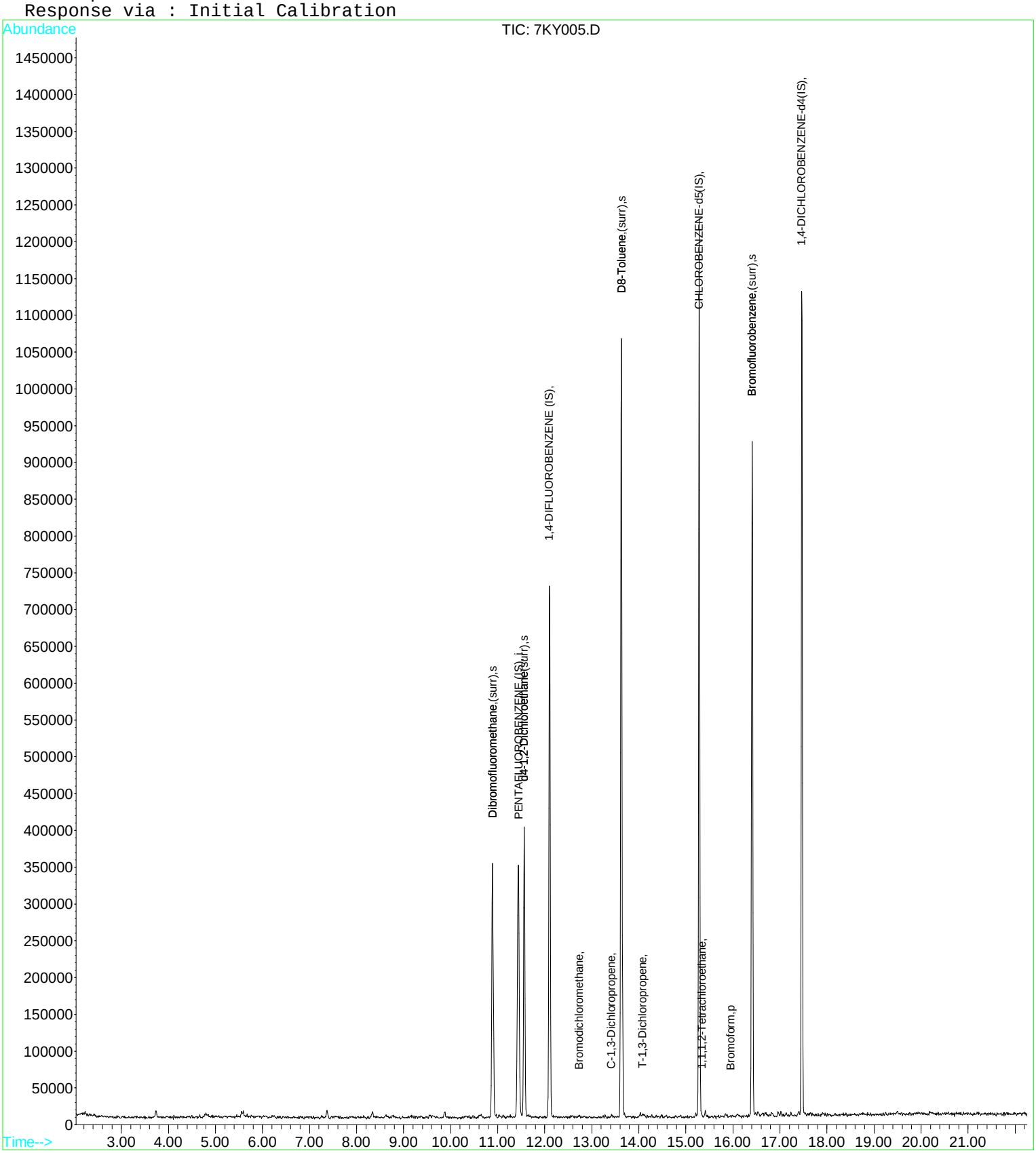
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
45)	1,2-Dichloropropane	0.00	63		N.D. d	
46)	Methyl methacrylate	0.00	69		N.D. d	
47)	1,4-Dioxane	0.00	88		N.D. d	
48)	Dibromomethane	0.00	93		N.D. d	
49)	Bromodichloromethane	12.73	83	1566	0.31 ug/L #	70
50)	2-Chloroethyl vinyl ether	0.00	63		N.D. d	
51)	C-1,3-Dichloropropene	13.42	75	1069	0.19 ug/L #	1
52)	4-Methyl-2-pentanone	0.00	100		N.D. d	
53)	D8-Toluene	13.63	98	753600	55.63 ug/L	99
56)	Toluene	0.00	92		N.D. d	
57)	T-1,3-Dichloropropene	14.09	75	845	0.16 ug/L #	1
58)	Ethyl methacrylate	0.00	69		N.D. d	
59)	1,1,2-Trichloroethane	0.00	97		N.D. d	
60)	1,3-Dichloropropane	0.00	76		N.D. d	
61)	Tetrachloroethene	0.00	164		N.D. d	
62)	2-Hexanone	0.00	43		N.D. d	
63)	Dibromochloromethane	14.48	129	704	-1.49 ug/L	93
64)	1,2-Dibromoethane	0.00	107		N.D. d	
65)	Chlorobenzene	0.00	112		N.D. d	
66)	1,1,1,2-Tetrachloroethane	15.35	131	688	0.19 ug/L #	48
67)	Ethylbenzene	0.00	106		N.D. d	
68)	m-xylene & p-xylene	0.00	106		N.D. d	
69)	O-Xylene	0.00	106		N.D. d	
70)	Styrene	0.00	104		N.D. d	
71)	Bromoform	15.96	173	127	0.05 ug/L #	1
72)	Isopropylbenzene	0.00	105		N.D. d	
73)	C-1,4-Dichloro-2-butene	0.00	53		N.D. d	
74)	Bromofluorobenzene	16.41	95	325670m	62.48 ug/L	88
76)	1,1,2,2-Tetrachloroethane	16.53	83	1174m	-2.06 ug/L	96
77)	Bromobenzene	0.00	156		N.D. d	
78)	1,2,3-Trichloropropane	16.71	75	1296m	-2.87 ug/L	45
79)	T-1,4-Dichloro-2-Butene	0.00	53		N.D. d	
80)	n-Propylbenzene	0.00	91		N.D. d	
82)	2-Chlorotoluene	0.00	91		N.D. d	
83)	1,3,5-Trimethylbenzene	0.00	105		N.D. d	
84)	4-Chlorotoluene	0.00	91		N.D. d	
85)	tert-Butylbenzene	0.00	119		N.D. d	
86)	Pentachloroethane	0.00	167		N.D. d	
87)	1,2,4-Trimethylbenzene	0.00	105		N.D. d	
88)	s-Butylbenzene	0.00	105		N.D. d	
89)	1,3-Dichlorobenzene	0.00	146		N.D. d	
90)	p-Isopropyltoluene	0.00	119		N.D. d	
91)	1,4-Dichlorobenzene	0.00	146		N.D. d	
92)	n-Butylbenzene	0.00	91		N.D. d	
93)	1,2-Dichlorobenzene	0.00	146		N.D. d	
94)	DBCP	0.00	157		N.D. d	
95)	1,2,4-Trichlorobenzene	0.00	180		N.D. d	
96)	Hexachlorobutadiene	0.00	225		N.D. d	
97)	Naphthalene	0.00	128		N.D. d	
98)	1,2,3-Trichlorobenzene	0.00	180		N.D. d	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067KW\7KY005.D Vial: 5
Acq On : 30 Nov 2006 16:52 Operator: ds
Sample : BA00075-CAL1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:10 2006 Quant Results File: 8260W6JV.RES

Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY007.D Vial: 7
Acq On : 30 Nov 2006 17:54 Operator: ds
Sample : BA00075-CAL2 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:14 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.44	168	253918	50.00 ug/L	-0.03
38) 1,4-DIFLUOROBENZENE (IS)	12.10	114	578495	50.00 ug/L	-0.02
55) CHLOROBENZENE-d5(IS)	15.29	117	600731	50.00 ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.47	152	264027	50.00 ug/L	-0.02
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.89	113	212854	68.32 ug/L	-0.03
Spiked Amount 50.000 Range 71 - 136 Recovery = 136.64%#					
41) d4-1,2-Dichloroethane(surr	11.56	65	286616	57.14 µg/L	-0.04
Spiked Amount 50.000 Range 70 - 130 Recovery = 114.28%					
54) D8-Toluene (surr)	13.63	98	756407	57.23 ug/L	-0.03
Spiked Amount 50.000 Range 75 - 126 Recovery = 114.46%					
75) Bromofluorobenzene (surr)	16.41	95	332813	64.36 ug/L	-0.01
Spiked Amount 50.000 Range 76 - 120 Recovery = 128.72%#					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.13	85	2299	0.83 ug/L	90
3) Chloromethane	4.64	50	4573	1.29 ug/L	93
4) Vinyl Chloride	4.82	62	4284	1.53 ug/L	87
5) Bromomethane	5.58	94	6725	1.44 ug/L #	49
6) Chloroethane	5.89	64	3820	2.28 ug/L	90
7) Trichlorofluoromethane	6.20	101	4092	1.21 ug/L	91
8) Ethanol	7.05	45	1619m	-70.20 ug/L	77
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		N.D. d	
10) acrolein	7.88	56	6177	7.15 ug/L	83
11) 1,1,2Trichloro-1,2,2triflu	7.36	151	4540	2.75 ug/L #	90
12) 1,1-Dichloroethene	7.29	96	3294	1.58 ug/L #	87
13) Acetone	8.40	43	8757	-15.30 ug/L	99
14) Iodomethane	7.57	142	11157	-2.21 ug/L	81
15) Carbon disulfide	7.38	76	72562	9.62 ug/L	92
16) Acetonitrile	9.15	41	8653	20.21 ug/L	82
17) 3-chloropropene	8.16	41	5382m	-1.31 ug/L	76
18) Methylene Chloride	8.34	84	7455	-3.00 ug/L #	79
19) Acrylonitrile	9.63	53	12930	7.94 ug/L	96
20) Methyl tert-butyl ether	8.78	73	11746	1.71 ug/L	85
21) t-1,2-Dichloroethene	8.63	96	4046	1.58 ug/L #	83
22) 1,1-Dichloroethane	9.58	63	9453	2.13 ug/L	89
23) Vinyl Acetate	9.87	43	56710	10.25 ug/L	94
24) Isopropyl ether	9.35	45	17045	1.78 ug/L #	84
25) Chloroprene	9.54	88	2693	1.35 ug/L	98
26) 2-Butanone	11.03	72	2568	-1.81 ug/L #	59
27) c-1,2-Dichloroethene	10.32	96	4156	1.48 ug/L #	71
28) 2,2-Dichloropropane	10.48	77	5336	-4.20 ug/L	88
29) Propionitrile	11.40	54	7320	20.95 ug/L #	1
30) Methacrylonitrile	11.44	41	35915	18.53 ug/L	82
31) Bromochloromethane	10.59	128	1704	1.35 ug/L #	48
32) Chloroform	10.65	83	8585	1.73 ug/L	96
33) Dibromofluoromethane	10.89	113	212854	68.32 ug/L	80
35) 1,1,1-Trichloroethane	10.97	97	6154	1.67 ug/L #	78
36) 1,1-Dichloropropene	11.12	75	5250	1.55 ug/L	97
37) Isobutyl alcohol	11.51	43	6525	29.24 ug/L #	65
39) Carbon Tetrachloride	10.88	117	4944	1.16 ug/L #	35
40) d4-1,2-Dichloroethane	11.56	65	286616	57.14 µg/L #	81
42) 1,2-Dichloroethane	11.64	62	7724	1.49 ug/L #	15
43) Benzene	11.43	78	16349	1.24 ug/L	94
44) Trichloroethene	12.09	130	3625	1.04 ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY007.D Vial: 7
Acq On : 30 Nov 2006 17:54 Operator: ds
Sample : BA00075-CAL2 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:14 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

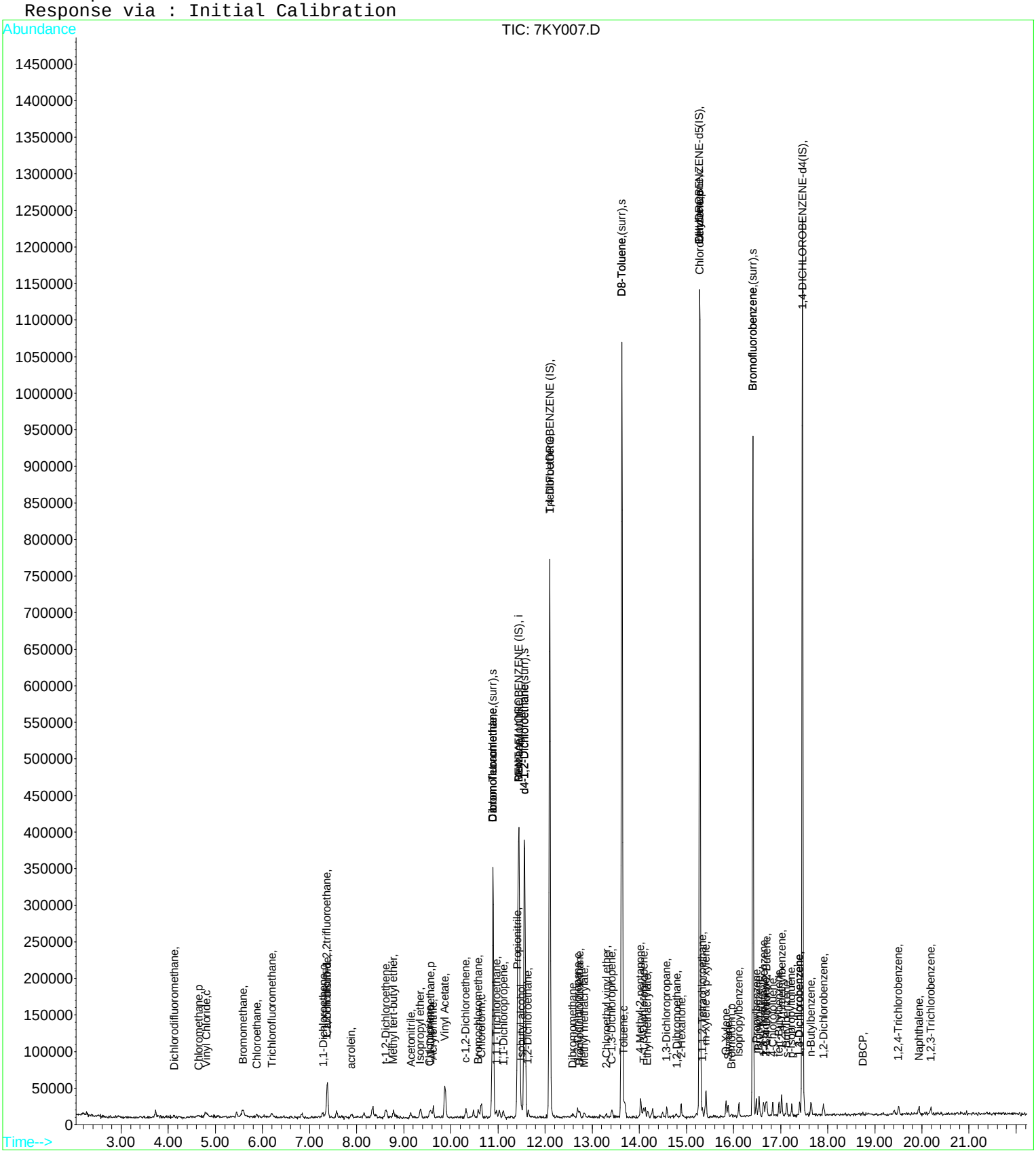
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45)	1,2-Dichloropropane	12.69	63	4528	1.30 ug/L		96
46)	Methyl methacrylate	12.83	69	2591m	1.16 ug/L		93
47)	1,4-Dioxane	12.94	88	1326	-70.16 ug/L		98
48)	Dibromomethane	12.58	93	3242	1.29 ug/L	#	61
49)	Bromodichloromethane	12.73	83	5604	1.13 ug/L		99
50)	2-Chloroethyl vinyl ether	13.30	63	1225	5.75 ug/L	#	66
51)	C-1,3-Dichloropropene	13.41	75	6712	1.23 ug/L		92
52)	4-Methyl-2-pentanone	14.02	100	2597	5.57 ug/L	#	10
53)	D8-Toluene	13.63	98	756407	57.23 ug/L		97
56)	Toluene	13.68	92	9999	1.12 ug/L		99
57)	T-1,3-Dichloropropene	14.09	75	6710	1.30 ug/L		89
58)	Ethyl methacrylate	14.18	69	5250	1.11 ug/L		91
59)	1,1,2-Trichloroethane	14.28	97	4159	-2.89 ug/L		98
60)	1,3-Dichloropropane	14.59	76	7558	1.24 ug/L		96
61)	Tetrachloroethene	14.13	164	2135	-1.83 ug/L	#	61
62)	2-Hexanone	14.89	43	14784	4.90 ug/L		89
63)	Dibromochloromethane	14.50	129	3128	-0.85 ug/L		82
64)	1,2-Dibromoethane	14.79	107	3170m	0.87 ug/L		80
65)	Chlorobenzene	15.30	112	8487	0.88 ug/L		98
66)	1,1,1,2-Tetrachloroethane	15.34	131	2926	0.83 ug/L	#	78
67)	Ethylbenzene	15.28	106	4280	0.91 ug/L	#	52
68)	m-xylene & p-xylene	15.42	106	10821	1.84 ug/L		84
69)	O-Xylene	15.84	106	5222	0.96 ug/L		81
70)	Styrene	15.89	104	8749	0.96 ug/L	#	76
71)	Bromoform	15.97	173	704	0.28 ug/L	#	57
72)	Isopropylbenzene	16.12	105	10298	0.84 ug/L		98
73)	C-1,4-Dichloro-2-butene	16.43	53	2255	-2.66 ug/L	#	1
74)	Bromofluorobenzene	16.41	95	332813	64.36 ug/L	#	83
76)	1,1,2,2-Tetrachloroethane	16.54	83	4419	-1.22 ug/L		90
77)	Bromobenzene	16.54	156	3675	0.98 ug/L		97
78)	1,2,3-Trichloropropane	16.71	75	5464	-1.96 ug/L	#	50
79)	T-1,4-Dichloro-2-Butene	16.71	53	1756	1.30 ug/L	#	83
80)	n-Propylbenzene	16.49	91	17838	1.07 ug/L		87
82)	2-Chlorotoluene	16.68	91	11859	1.06 ug/L		93
83)	1,3,5-Trimethylbenzene	16.64	105	10691	1.04 ug/L		89
84)	4-Chlorotoluene	16.83	91	11696	1.20 ug/L		89
85)	tert-Butylbenzene	16.96	119	7895	0.91 ug/L		85
86)	Pentachloroethane	17.02	167	891	-2.37 ug/L	#	1
87)	1,2,4-Trimethylbenzene	17.02	105	9675	0.90 ug/L		98
88)	s-Butylbenzene	17.13	105	12061	0.91 ug/L		96
89)	1,3-Dichlorobenzene	17.41	146	6765	1.01 ug/L		90
90)	p-Isopropyltoluene	17.23	119	9334	0.91 ug/L		89
91)	1,4-Dichlorobenzene	17.41	146	6735	0.97 ug/L		90
92)	n-Butylbenzene	17.65	91	10470	1.03 ug/L		88
93)	1,2-Dichlorobenzene	17.91	146	5484	0.88 ug/L		98
94)	DBCP	18.75	157	314	0.43 ug/L	#	9
95)	1,2,4-Trichlorobenzene	19.51	180	2924	0.68 ug/L		88
96)	Hexachlorobutadiene	19.41	225	587	-0.67 ug/L	#	11
97)	Naphthalene	19.93	128	9609	1.05 ug/L		95
98)	1,2,3-Trichlorobenzene	20.18	180	3097	0.78 ug/L		87

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067KW\7KY007.D Vial: 7
Acq On : 30 Nov 2006 17:54 Operator: ds
Sample : BA00075-CAL2 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:14 2006 Quant Results File: 8260W6JV.RES

Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY008.D Vial: 8
Acq On : 30 Nov 2006 18:25 Operator: ds
Sample : BA00075-CAL3 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:21 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.44	168	257085	50.00 ug/L	-0.02
38) 1,4-DIFLUOROBENZENE (IS)	12.10	114	584625	50.00 ug/L	-0.02
55) CHLOROBENZENE-d5(IS)	15.28	117	597627	50.00 ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.47	152	272277	50.00 ug/L	-0.02
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.89	113	211983	67.20 ug/L	-0.03
Spiked Amount 50.000 Range 71 - 136 Recovery = 134.40%					
41) d4-1,2-Dichloroethane(surr	11.56	65	273474	53.95 µg/L	-0.03
Spiked Amount 50.000 Range 70 - 130 Recovery = 107.90%					
54) D8-Toluene (surr)	13.63	98	756927	56.67 ug/L	-0.03
Spiked Amount 50.000 Range 75 - 126 Recovery = 113.34%					
75) Bromofluorobenzene (surr)	16.40	95	341263	66.34 ug/L	-0.02
Spiked Amount 50.000 Range 76 - 120 Recovery = 132.68%#					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.12	85	11275	4.04 ug/L	83
3) Chloromethane	4.63	50	24961	6.97 ug/L	98
4) Vinyl Chloride	4.81	62	19927	7.02 ug/L	94
5) Bromomethane	5.58	94	18306	5.89 ug/L	91
6) Chloroethane	5.88	64	15328	9.04 ug/L	93
7) Trichlorofluoromethane	6.21	101	22841	6.65 ug/L	89
8) Ethanol	7.05	45	3783	32.94 ug/L	96
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		N.D. d	
10) acrolein	7.89	56	24219	113.51 ug/L	98
11) 1,1,2Trichloro-1,2,2triflu	7.35	151	19488	11.65 ug/L #	54
12) 1,1-Dichloroethene	7.28	96	19134	9.07 ug/L	99
13) Acetone	8.39	43	37664	23.70 ug/L	99
14) Iodomethane	7.58	142	79484	15.82 ug/L	85
15) Carbon disulfide	7.38	76	367964	48.18 ug/L	96
16) Acetonitrile	9.15	41	38235	88.21 ug/L	98
17) 3-chloropropene	8.16	41	27531	5.12 ug/L #	96
18) Methylene Chloride	8.34	84	25555	4.43 ug/L #	68
19) Acrylonitrile	9.62	53	62102	109.07 ug/L	93
20) Methyl tert-butyl ether	8.77	73	52044	7.49 ug/L	92
21) t-1,2-Dichloroethene	8.62	96	21296	8.22 ug/L	95
22) 1,1-Dichloroethane	9.57	63	37538	8.36 ug/L	96
23) Vinyl Acetate	9.87	43	191303	34.15 ug/L	95
24) Isopropyl ether	9.35	45	87749m	9.07 ug/L	91
25) Chloroprene	9.55	88	14280	7.04 ug/L	91
26) 2-Butanone	11.03	72	10506	29.68 ug/L #	30
27) c-1,2-Dichloroethene	10.32	96	21112	7.41 ug/L	94
28) 2,2-Dichloropropane	10.48	77	22401	4.11 ug/L	94
29) Propionitrile	11.40	54	29063	82.15 ug/L #	1
30) Methacrylonitrile	11.43	41	160054	81.58 ug/L	85
31) Bromochloromethane	10.58	128	10445	8.17 ug/L	89
32) Chloroform	10.65	83	39767	7.94 ug/L	99
33) Dibromofluoromethane	10.89	113	211983	67.20 ug/L	80
35) 1,1,1-Trichloroethane	10.96	97	27294	7.31 ug/L	89
36) 1,1-Dichloropropene	11.12	75	27208	7.94 ug/L	91
37) Isobutyl alcohol	11.50	43	37651	166.66 ug/L #	60
39) Carbon Tetrachloride	10.89	117	21928	5.11 ug/L	89
40) d4-1,2-Dichloroethane	11.56	65	273474	53.95 µg/L #	78
42) 1,2-Dichloroethane	11.64	62	29582	5.65 ug/L #	16
43) Benzene	11.42	78	75747	5.69 ug/L	99
44) Trichloroethene	12.09	130	17267	4.91 ug/L	83

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY008.D Vial: 8
Acq On : 30 Nov 2006 18:25 Operator: ds
Sample : BA00075-CAL3 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:21 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

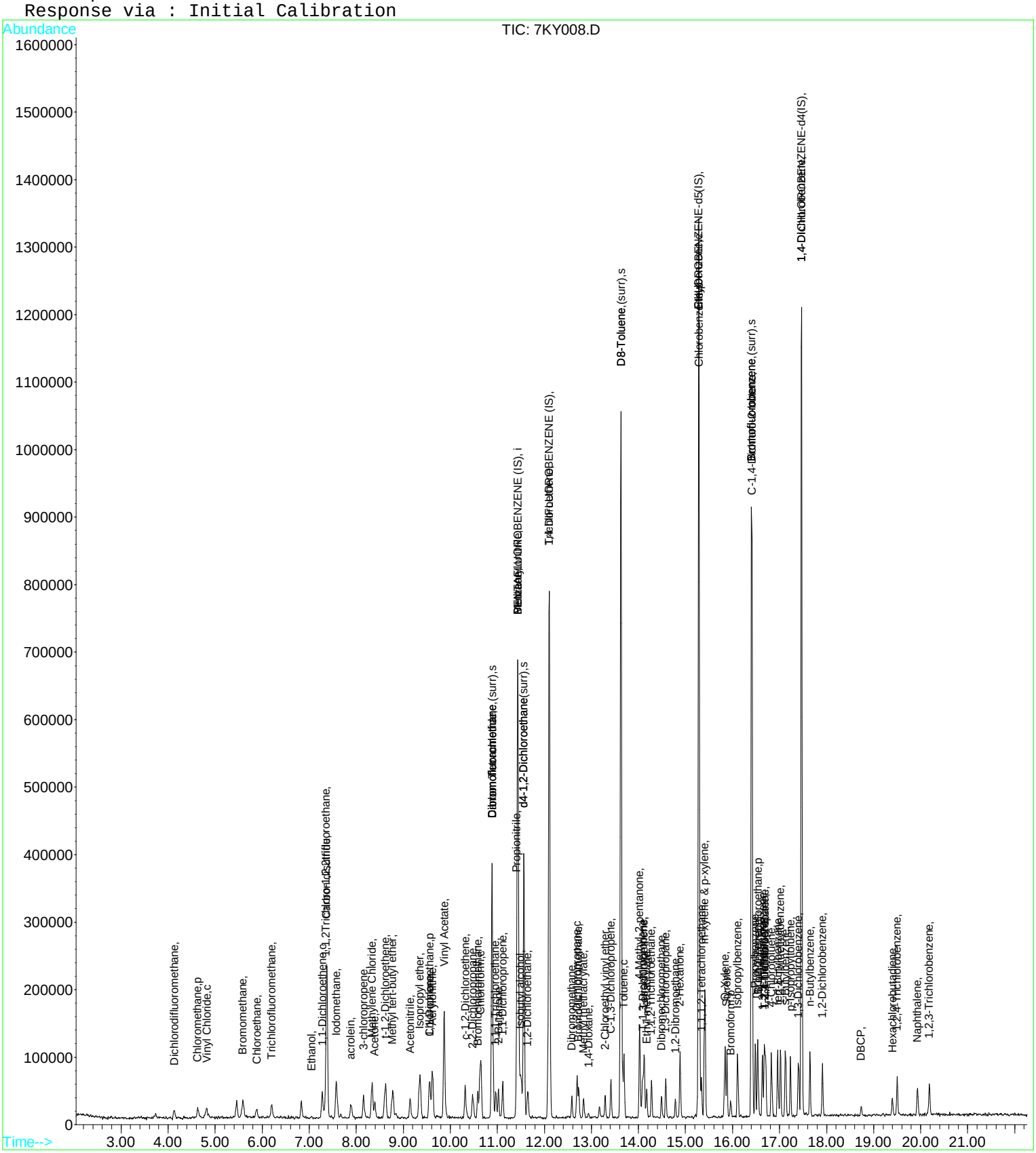
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	1,2-Dichloropropane	12.69	63	20865	5.94	ug/L		86
46)	Methyl methacrylate	12.82	69	11140	4.93	ug/L		84
47)	1,4-Dioxane	12.94	88	3959	16.35	ug/L		85
48)	Dibromomethane	12.59	93	13242	5.20	ug/L	#	76
49)	Bromodichloromethane	12.73	83	30248	6.02	ug/L		98
50)	2-Chloroethyl vinyl ether	13.29	63	14754	30.27	ug/L		85
51)	C-1,3-Dichloropropene	13.41	75	31818	5.77	ug/L		93
52)	4-Methyl-2-pentanone	14.03	100	11831	25.12	ug/L	#	1
53)	D8-Toluene	13.63	98	756927	56.67	ug/L		100
56)	Toluene	13.69	92	43197	4.85	ug/L		92
57)	T-1,3-Dichloropropene	14.09	75	26312	5.11	ug/L		96
58)	Ethyl methacrylate	14.17	69	23667	5.02	ug/L		81
59)	1,1,2-Trichloroethane	14.27	97	17413	1.51	ug/L		93
60)	1,3-Dichloropropane	14.58	76	33224	5.50	ug/L		98
61)	Tetrachloroethene	14.12	164	19797	2.03	ug/L		95
62)	2-Hexanone	14.88	43	75977	25.29	ug/L		92
63)	Dibromochloromethane	14.50	129	16374	2.69	ug/L		98
64)	1,2-Dibromoethane	14.79	107	17828	4.89	ug/L		97
65)	Chlorobenzene	15.30	112	44657	4.64	ug/L		100
66)	1,1,1,2-Tetrachloroethane	15.35	131	12746	3.65	ug/L		92
67)	Ethylbenzene	15.28	106	21690	4.62	ug/L	#	66
68)	m-xylene & p-xylene	15.42	106	52854	9.02	ug/L		84
69)	O-Xylene	15.84	106	26543	4.93	ug/L		86
70)	Styrene	15.88	104	40720m	4.48	ug/L		99
71)	Bromoform	15.96	173	8743	3.47	ug/L		91
72)	Isopropylbenzene	16.12	105	57953	4.73	ug/L		93
73)	C-1,4-Dichloro-2-butene	16.42	53	8482	2.40	ug/L	#	1
74)	Bromofluorobenzene	16.40	95	341263	66.34	ug/L	#	83
76)	1,1,2,2-Tetrachloroethane	16.54	83	22417	3.51	ug/L		95
77)	Bromobenzene	16.54	156	14764	3.96	ug/L		92
78)	1,2,3-Trichloropropane	16.70	75	29495	3.35	ug/L	#	44
79)	T-1,4-Dichloro-2-Butene	16.70	53	8538	6.36	ug/L	#	71
80)	n-Propylbenzene	16.48	91	88439	5.34	ug/L		86
82)	2-Chlorotoluene	16.68	91	63870	5.56	ug/L		90
83)	1,3,5-Trimethylbenzene	16.64	105	51450	4.85	ug/L		100
84)	4-Chlorotoluene	16.83	91	54671	5.42	ug/L		96
85)	tert-Butylbenzene	16.97	119	40228	4.51	ug/L		96
86)	Pentachloroethane	17.01	167	890m	-2.44	ug/L		92
87)	1,2,4-Trimethylbenzene	17.01	105	56545	5.08	ug/L		95
88)	s-Butylbenzene	17.12	105	68642	5.00	ug/L		92
89)	1,3-Dichlorobenzene	17.40	146	30357	4.39	ug/L		97
90)	p-Isopropyltoluene	17.23	119	45991	4.36	ug/L		93
91)	1,4-Dichlorobenzene	17.48	146	28965	4.06	ug/L		89
92)	n-Butylbenzene	17.65	91	53992	5.13	ug/L		93
93)	1,2-Dichlorobenzene	17.91	146	26661	4.14	ug/L		95
94)	DBCP	18.74	157	2671	3.57	ug/L	#	53
95)	1,2,4-Trichlorobenzene	19.50	180	15412	3.49	ug/L		97
96)	Hexachlorobutadiene	19.39	225	3921	1.86	ug/L		93
97)	Naphthalene	19.93	128	36619	3.88	ug/L		99
98)	1,2,3-Trichlorobenzene	20.19	180	14706	3.58	ug/L		89

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067KW\7KY008.D Vial: 8
Acq On : 30 Nov 2006 18:25 Operator: ds
Sample : BA00075-CAL3 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:21 2006 Quant Results File: 8260W6JV.RES

Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY009.D Vial: 9
Acq On : 30 Nov 2006 18:55 Operator: ds
Sample : BA00075-CAL4 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 15:06 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.44	168	260491	50.00 ug/L	-0.03
38) 1,4-DIFLUOROBENZENE (IS)	12.10	114	579077	50.00 ug/L	-0.02
55) CHLOROBENZENE-d5(IS)	15.28	117	598716	50.00 ug/L	-0.03
81) 1,4-DICHLOROBENZENE-d4(IS)	17.47	152	275687	50.00 ug/L	-0.02
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.89	113	215893	67.55 ug/L	-0.03
Spiked Amount 50.000 Range 71 - 136 Recovery = 135.10%					
41) d4-1,2-Dichloroethane(surr	11.56	65	287990	57.36 µg/L	-0.04
Spiked Amount 50.000 Range 70 - 130 Recovery = 114.72%					
54) D8-Toluene (surr)	13.63	98	759605	57.41 ug/L	-0.03
Spiked Amount 50.000 Range 75 - 126 Recovery = 114.82%					
75) Bromofluorobenzene (surr)	16.41	95	335172	65.04 ug/L	-0.01
Spiked Amount 50.000 Range 76 - 120 Recovery = 130.08%#					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.12	85	53983	19.07 ug/L	98
3) Chloromethane	4.65	50	99447	27.42 ug/L	94
4) Vinyl Chloride	4.82	62	88456	30.77 ug/L	96
5) Bromomethane	5.58	94	59486	21.52 ug/L	95
6) Chloroethane	5.89	64	62861	36.57 ug/L	91
7) Trichlorofluoromethane	6.20	101	106608	30.64 ug/L	95
8) Ethanol	7.03	45	17656	689.24 ug/L	76
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		N.D. d	
10) acrolein	7.89	56	112487	627.36 ug/L	99
11) 1,1,2Trichloro-1,2,2triflu	7.37	151	73634	43.44 ug/L #	43
12) 1,1-Dichloroethene	7.28	96	72625	33.98 ug/L #	83
13) Acetone	8.39	43	155162	180.10 ug/L	99
14) Iodomethane	7.58	142	437233	108.92 ug/L	85
15) Carbon disulfide	7.38	76	1578219	203.97 ug/L	96
16) Acetonitrile	9.14	41	142155	323.68 ug/L	96
17) 3-chloropropene	8.16	41	128069	33.94 ug/L #	96
18) Methylene Chloride	8.33	84	95619	32.83 ug/L #	69
19) Acrylonitrile	9.62	53	267241	525.17 ug/L	93
20) Methyl tert-butyl ether	8.77	73	220353	31.30 ug/L	87
21) t-1,2-Dichloroethene	8.62	96	80627	30.70 ug/L #	84
22) 1,1-Dichloroethane	9.58	63	165358	36.33 ug/L	95
23) Vinyl Acetate	9.87	43	968335m	170.58 ug/L	96
24) Isopropyl ether	9.35	45	354115	36.11 ug/L #	78
25) Chloroprene	9.55	88	64143	31.23 ug/L	97
26) 2-Butanone	11.02	72	50748	187.35 ug/L #	40
27) c-1,2-Dichloroethene	10.32	96	86857	30.09 ug/L	93
28) 2,2-Dichloropropane	10.47	77	95352	39.19 ug/L	93
29) Propionitrile	11.40	54	131571	367.05 ug/L	65
30) Methacrylonitrile	11.43	41	714803	359.57 ug/L	84
31) Bromochloromethane	10.59	128	35999	27.80 ug/L	95
32) Chloroform	10.65	83	148351	29.22 ug/L	98
33) Dibromofluoromethane	10.89	113	215893	67.55 ug/L	81
35) 1,1,1-Trichloroethane	10.97	97	111735	29.53 ug/L	89
36) 1,1-Dichloropropene	11.12	75	108993	31.41 ug/L	92
37) Isobutyl alcohol	11.50	43	155900m	681.05 ug/L	64
39) Carbon Tetrachloride	10.89	117	89208	20.99 ug/L	94
40) d4-1,2-Dichloroethane	11.56	65	287990	57.36 µg/L #	80
42) 1,2-Dichloroethane	11.65	62	127692	24.63 ug/L #	14
43) Benzene	11.43	78	318677	24.17 ug/L	99
44) Trichloroethene	12.09	130	69482	19.97 ug/L	87

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY009.D Vial: 9
Acq On : 30 Nov 2006 18:55 Operator: ds
Sample : BA00075-CAL4 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 15:06 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

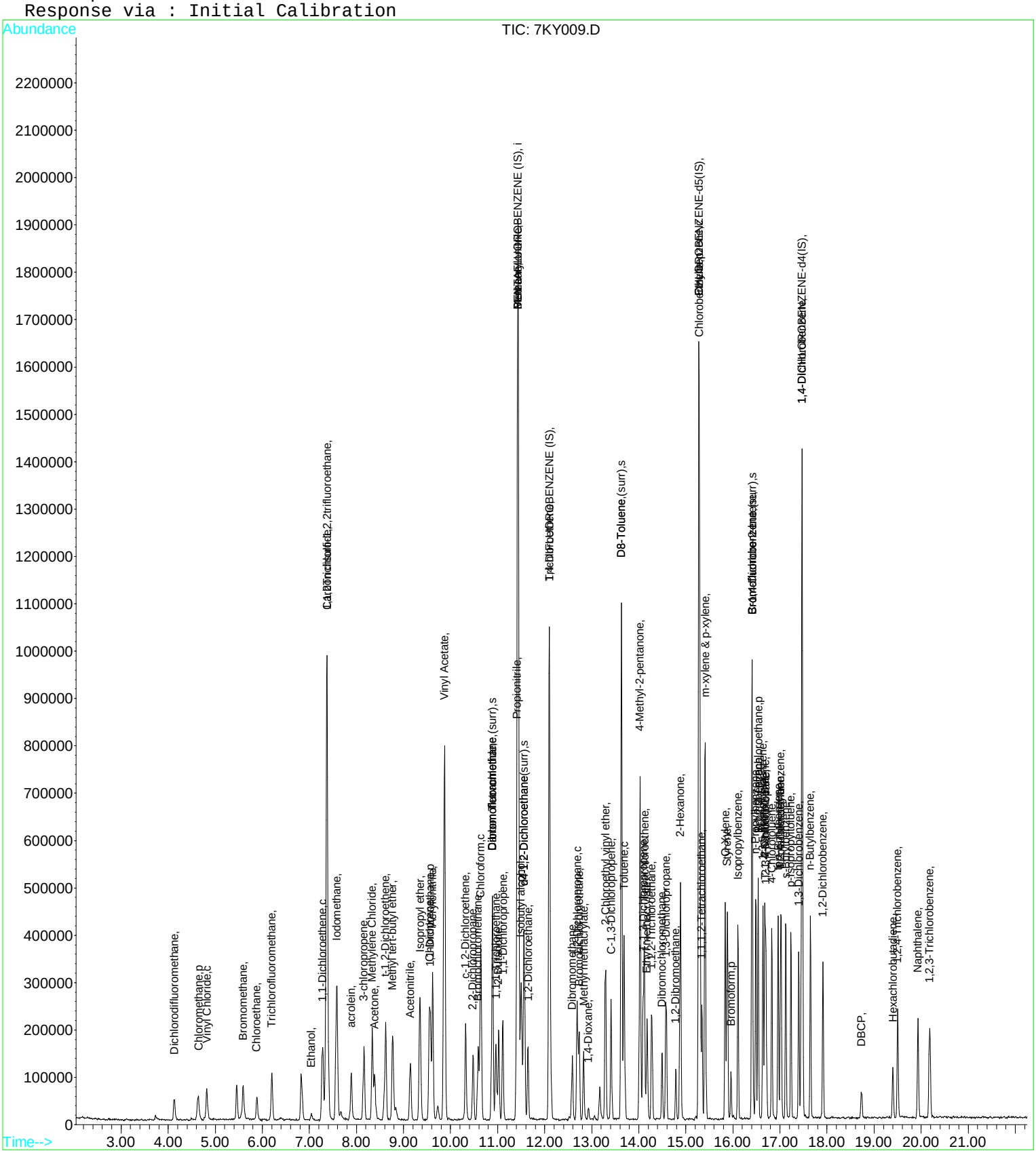
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45)	1,2-Dichloropropane	12.69	63	94760	27.22 ug/L		90
46)	Methyl methacrylate	12.83	69	56080	25.04 ug/L		84
47)	1,4-Dioxane	12.94	88	16008	419.40 ug/L		82
48)	Dibromomethane	12.58	93	58973	23.38 ug/L	#	71
49)	Bromodichloromethane	12.73	83	123208	24.75 ug/L		99
50)	2-Chloroethyl vinyl ether	13.29	63	134737	250.33 ug/L		88
51)	C-1,3-Dichloropropene	13.41	75	138841	25.41 ug/L		98
52)	4-Methyl-2-pentanone	14.02	100	58374	125.14 ug/L	#	1
53)	D8-Toluene	13.63	98	759605	57.41 ug/L		99
56)	Toluene	13.69	92	182285	20.42 ug/L		93
57)	T-1,3-Dichloropropene	14.08	75	119498	23.18 ug/L		99
58)	Ethyl methacrylate	14.17	69	114588	24.26 ug/L		86
59)	1,1,2-Trichloroethane	14.28	97	71963	19.54 ug/L		91
60)	1,3-Dichloropropane	14.58	76	140708	23.24 ug/L		100
61)	Tetrachloroethene	14.12	164	76462	14.39 ug/L		86
62)	2-Hexanone	14.88	43	391843	130.21 ug/L		87
63)	Dibromochloromethane	14.49	129	74653	18.22 ug/L		100
64)	1,2-Dibromoethane	14.78	107	71579	19.62 ug/L		97
65)	Chlorobenzene	15.30	112	182189	18.91 ug/L		98
66)	1,1,1,2-Tetrachloroethane	15.34	131	62617	17.90 ug/L		98
67)	Ethylbenzene	15.28	106	93865	19.96 ug/L	#	74
68)	m-xylene & p-xylene	15.42	106	232450	39.62 ug/L		92
69)	O-Xylene	15.84	106	110278	20.44 ug/L		88
70)	Styrene	15.88	104	187615m	20.62 ug/L		98
71)	Bromoform	15.96	173	38738	15.32 ug/L		97
72)	Isopropylbenzene	16.11	105	261245	21.29 ug/L		95
73)	C-1,4-Dichloro-2-butene	16.42	53	37239	25.65 ug/L	#	1
74)	Bromofluorobenzene	16.41	95	335172	65.04 ug/L	#	83
76)	1,1,2,2-Tetrachloroethane	16.54	83	99363	23.66 ug/L		96
77)	Bromobenzene	16.54	156	64811	17.34 ug/L		100
78)	1,2,3-Trichloropropane	16.71	75	137551	27.12 ug/L	#	42
79)	T-1,4-Dichloro-2-Butene	16.70	53	36340	27.02 ug/L	#	78
80)	n-Propylbenzene	16.49	91	387409	23.36 ug/L		86
82)	2-Chlorotoluene	16.68	91	251396m	21.60 ug/L		89
83)	1,3,5-Trimethylbenzene	16.64	105	235584	21.93 ug/L		97
84)	4-Chlorotoluene	16.83	91	244278	23.92 ug/L		90
85)	tert-Butylbenzene	16.96	119	180611	20.01 ug/L		93
86)	Pentachloroethane	17.02	167	3839	4.60 ug/L	#	66
87)	1,2,4-Trimethylbenzene	17.01	105	247384	21.96 ug/L		96
88)	s-Butylbenzene	17.13	105	305313	21.99 ug/L		88
89)	1,3-Dichlorobenzene	17.40	146	123910	17.70 ug/L		96
90)	p-Isopropyltoluene	17.23	119	218879	20.49 ug/L		95
91)	1,4-Dichlorobenzene	17.48	146	125960	17.46 ug/L		93
92)	n-Butylbenzene	17.64	91	248540	23.31 ug/L		91
93)	1,2-Dichlorobenzene	17.91	146	119520	18.33 ug/L		95
94)	DBCP	18.74	157	11703	15.44 ug/L		87
95)	1,2,4-Trichlorobenzene	19.50	180	64388	14.38 ug/L		99
96)	Hexachlorobutadiene	19.40	225	18760	13.00 ug/L		93
97)	Naphthalene	19.93	128	177477	18.56 ug/L		100
98)	1,2,3-Trichlorobenzene	20.19	180	62610	15.05 ug/L		97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067KW\7KY009.D Vial: 9
Acq On : 30 Nov 2006 18:55 Operator: ds
Sample : BA00075-CAL4 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 15:06 2006 Quant Results File: 8260W6JV.RES

Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY010.D Vial: 10
Acq On : 30 Nov 2006 19:26 Operator: ds
Sample : BA00075-CAL5 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:31 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.44	168	273536	50.00 ug/L	-0.03
38) 1,4-DIFLUOROBENZENE (IS)	12.10	114	599492	50.00 ug/L	-0.03
55) CHLOROBENZENE-d5(IS)	15.29	117	616953	50.00 ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.47	152	289152	50.00 ug/L	-0.02
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.89	113	223374	66.56 ug/L	-0.03
Spiked Amount 50.000 Range 71 - 136 Recovery = 133.12%					
41) d4-1,2-Dichloroethane(surr	11.57	65	287417	55.29 µg/L	-0.03
Spiked Amount 50.000 Range 70 - 130 Recovery = 110.58%					
54) D8-Toluene (surr)	13.63	98	796823	58.18 ug/L	-0.03
Spiked Amount 50.000 Range 75 - 126 Recovery = 116.36%					
75) Bromofluorobenzene (surr)	16.41	95	352293	66.34 ug/L	-0.01
Spiked Amount 50.000 Range 76 - 120 Recovery = 132.68%#					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.13	85	148047	49.80 ug/L	99
3) Chloromethane	4.63	50	274685	72.11 ug/L	98
4) Vinyl Chloride	4.82	62	239614	79.38 ug/L	96
5) Bromomethane	5.59	94	145767	51.80 ug/L	97
6) Chloroethane	5.88	64	157196	87.09 ug/L	99
7) Trichlorofluoromethane	6.20	101	273963	75.00 ug/L	98
8) Ethanol	7.04	45	48537	2045.54 ug/L	99
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		N.D. d	
10) acrolein	7.89	56	269405	1469.12 ug/L	97
11) 1,1,2Trichloro-1,2,2triflu	7.36	151	211356	118.74 ug/L #	55
12) 1,1-Dichloroethene	7.28	96	190811	85.02 ug/L	88
13) Acetone	8.38	43	354471	423.92 ug/L	99
14) Iodomethane	7.58	142	1259658	307.90 ug/L	86
15) Carbon disulfide	7.38	76	3969522	488.55 ug/L	97
16) Acetonitrile	9.14	41	353654	766.85 ug/L	97
17) 3-chloropropene	8.16	41	357792	95.12 ug/L #	97
18) Methylene Chloride	8.33	84	250373	91.00 ug/L #	70
19) Acrylonitrile	9.62	53	624360	1191.80 ug/L	97
20) Methyl tert-butyl ether	8.77	73	577791	78.15 ug/L	91
21) t-1,2-Dichloroethene	8.62	96	214408	77.75 ug/L #	87
22) 1,1-Dichloroethane	9.58	63	420519	87.99 ug/L	94
23) Vinyl Acetate	9.87	43	1992747	334.29 ug/L	95
24) Isopropyl ether	9.35	45	900581	87.45 ug/L #	78
25) Chloroprene	9.55	88	171945	79.72 ug/L	92
26) 2-Butanone	11.02	72	119999	437.12 ug/L #	51
27) c-1,2-Dichloroethene	10.32	96	230144	75.92 ug/L	94
28) 2,2-Dichloropropane	10.48	77	240355	103.67 ug/L	99
29) Propionitrile	11.40	54	322162	855.89 ug/L	79
30) Methacrylonitrile	11.43	41	1746348	836.58 ug/L	85
31) Bromochloromethane	10.58	128	94737	69.66 ug/L	100
32) Chloroform	10.65	83	402311	75.46 ug/L	99
33) Dibromofluoromethane	10.89	113	223374	66.56 ug/L	80
35) 1,1,1-Trichloroethane	10.97	97	302104	76.03 ug/L	88
36) 1,1-Dichloropropene	11.11	75	299873	82.29 ug/L	93
37) Isobutyl alcohol	11.50	43	397174m	1652.32 ug/L	65
39) Carbon Tetrachloride	10.89	117	250372	56.91 ug/L	98
40) d4-1,2-Dichloroethane	11.57	65	287417	55.29 µg/L #	82
42) 1,2-Dichloroethane	11.65	62	318067	59.27 ug/L #	14
43) Benzene	11.43	78	833419	61.05 ug/L	97
44) Trichloroethene	12.09	130	196185	54.46 ug/L	94

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY010.D Vial: 10
Acq On : 30 Nov 2006 19:26 Operator: ds
Sample : BA00075-CAL5 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:31 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

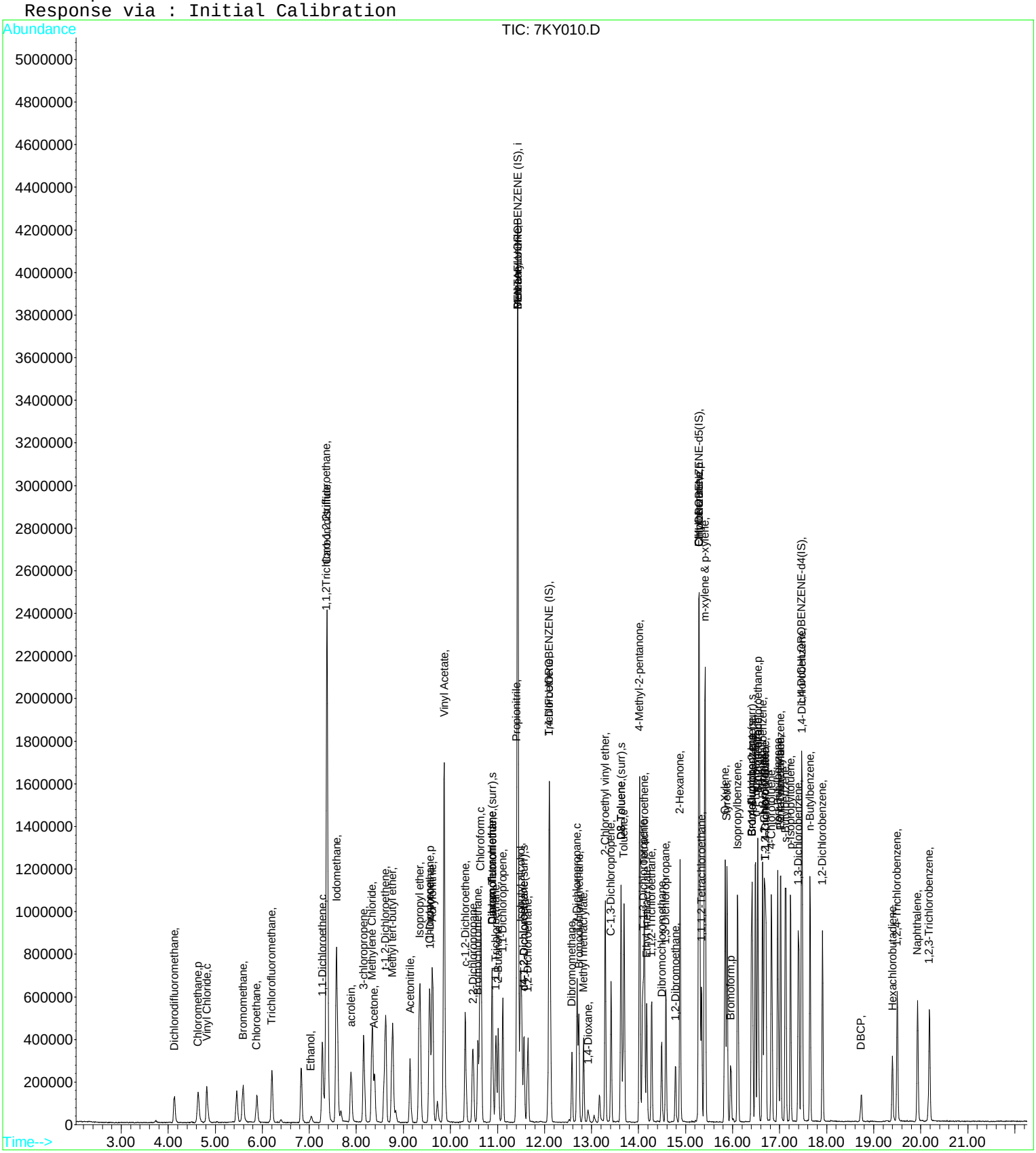
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45)	1,2-Dichloropropane	12.69	63	251601	69.82 ug/L		89
46)	Methyl methacrylate	12.83	69	151416	65.32 ug/L		79
47)	1,4-Dioxane	12.93	88	40904	1203.15 ug/L		91
48)	Dibromomethane	12.58	93	145831	55.84 ug/L	#	75
49)	Bromodichloromethane	12.73	83	320453	62.18 ug/L		97
50)	2-Chloroethyl vinyl ether	13.29	63	448200	796.60 ug/L		88
51)	C-1,3-Dichloropropene	13.41	75	372557	65.87 ug/L		96
52)	4-Methyl-2-pentanone	14.02	100	137807	285.37 ug/L	#	1
53)	D8-Toluene	13.63	98	796823	58.18 ug/L		99
56)	Toluene	13.69	92	475611	51.70 ug/L		97
57)	T-1,3-Dichloropropene	14.09	75	311969	58.73 ug/L		96
58)	Ethyl methacrylate	14.17	69	291973	59.99 ug/L		85
59)	1,1,2-Trichloroethane	14.28	97	186027	55.44 ug/L		89
60)	1,3-Dichloropropane	14.58	76	360138	57.73 ug/L		97
61)	Tetrachloroethene	14.12	164	213996	43.02 ug/L		89
62)	2-Hexanone	14.88	43	916283	295.48 ug/L		89
63)	Dibromochloromethane	14.50	129	197627	49.44 ug/L		98
64)	1,2-Dibromoethane	14.79	107	198823	52.88 ug/L		98
65)	Chlorobenzene	15.30	112	495807	49.95 ug/L		94
66)	1,1,1,2-Tetrachloroethane	15.35	131	170383	47.26 ug/L		95
67)	Ethylbenzene	15.28	106	260721	53.80 ug/L		80
68)	m-xylene & p-xylene	15.41	106	612849	101.36 ug/L		88
69)	O-Xylene	15.84	106	303520	54.59 ug/L		89
70)	Styrene	15.88	104	537206m	57.30 ug/L		96
71)	Bromoform	15.96	173	104009	39.93 ug/L		98
72)	Isopropylbenzene	16.11	105	706206	55.84 ug/L		94
73)	C-1,4-Dichloro-2-butene	16.42	53	92523	68.16 ug/L	#	1
74)	Bromofluorobenzene	16.41	95	352293	66.34 ug/L	#	83
76)	1,1,2,2-Tetrachloroethane	16.54	83	247921	60.66 ug/L		98
77)	Bromobenzene	16.54	156	176162	45.73 ug/L		98
78)	1,2,3-Trichloropropane	16.71	75	332528	67.87 ug/L	#	43
79)	T-1,4-Dichloro-2-Butene	16.71	53	84128	60.71 ug/L	#	83
80)	n-Propylbenzene	16.49	91	1059722	62.01 ug/L		87
82)	2-Chlorotoluene	16.68	91	656585m	53.78 ug/L		95
83)	1,3,5-Trimethylbenzene	16.64	105	653303	57.99 ug/L		98
84)	4-Chlorotoluene	16.82	91	646144	60.33 ug/L		92
85)	tert-Butylbenzene	16.96	119	495015	52.30 ug/L		95
86)	Pentachloroethane	17.03	167	5990	9.09 ug/L		88
87)	1,2,4-Trimethylbenzene	17.01	105	684621	57.95 ug/L		99
88)	s-Butylbenzene	17.13	105	825315	56.66 ug/L		89
89)	1,3-Dichlorobenzene	17.41	146	336083	45.78 ug/L		96
90)	p-Isopropyltoluene	17.23	119	617621	55.13 ug/L		94
91)	1,4-Dichlorobenzene	17.49	146	338927	44.79 ug/L		95
92)	n-Butylbenzene	17.64	91	680144	60.82 ug/L		93
93)	1,2-Dichlorobenzene	17.91	146	326519	47.75 ug/L		96
94)	DBCP	18.74	157	31534	39.66 ug/L	#	72
95)	1,2,4-Trichlorobenzene	19.51	180	184601	39.32 ug/L		98
96)	Hexachlorobutadiene	19.41	225	51036	35.51 ug/L		99
97)	Naphthalene	19.93	128	486563	48.52 ug/L		98
98)	1,2,3-Trichlorobenzene	20.19	180	174948	40.10 ug/L		96

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067KW\7KY010.D Vial: 10
Acq On : 30 Nov 2006 19:26 Operator: ds
Sample : BA00075-CAL5 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:31 2006 Quant Results File: 8260W6JV.RES

Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY012.D Vial: 12
Acq On : 30 Nov 2006 20:27 Operator: ds
Sample : BA00075-CAL6 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:33 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.44	168	286569	50.00 ug/L	-0.03
38) 1,4-DIFLUOROBENZENE (IS)	12.10	114	636736	50.00 ug/L	-0.03
55) CHLOROBENZENE-d5(IS)	15.28	117	674041	50.00 ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.46	152	312979	50.00 ug/L	-0.02
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.89	113	245969	69.96 ug/L	-0.02
Spiked Amount 50.000 Range 71 - 136 Recovery = 139.92%#					
41) d4-1,2-Dichloroethane(surr	11.56	65	300797	54.48 µg/L	-0.03
Spiked Amount 50.000 Range 70 - 130 Recovery = 108.96%					
54) D8-Toluene (surr)	13.63	98	862127	59.26 ug/L	-0.03
Spiked Amount 50.000 Range 75 - 126 Recovery = 118.52%					
75) Bromofluorobenzene (surr)	16.41	95	402301	69.34 ug/L	-0.02
Spiked Amount 50.000 Range 76 - 120 Recovery = 138.68%#					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.13	85	271164	87.07 ug/L	99
3) Chloromethane	4.64	50	566377	141.93 ug/L	95
4) Vinyl Chloride	4.82	62	480264	151.87 ug/L	93
5) Bromomethane	5.59	94	259656	88.91 ug/L	99
6) Chloroethane	5.88	64	323006	170.82 ug/L	96
7) Trichlorofluoromethane	6.20	101	521826	136.35 ug/L	99
8) Ethanol	7.04	45	89920	3731.76 ug/L	96
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		N.D. d	
10) acrolein	7.89	56	532636	2798.98 ug/L	98
11) 1,1,2Trichloro-1,2,2triflu	7.36	151	402082	215.61 ug/L #	52
12) 1,1-Dichloroethene	7.28	96	381407	162.21 ug/L	90
13) Acetone	8.39	43	689989	811.07 ug/L	100
14) Iodomethane	7.58	142	2709769	637.70 ug/L	87
15) Carbon disulfide	7.37	76	7880122	925.73 ug/L	97
16) Acetonitrile	9.14	41	695043	1438.57 ug/L	93
17) 3-chloropropene	8.16	41	754782	194.47 ug/L #	94
18) Methylene Chloride	8.34	84	509183	182.40 ug/L #	74
19) Acrylonitrile	9.62	53	1300264	2387.96 ug/L	94
20) Methyl tert-butyl ether	8.76	73	1128657	145.72 ug/L	90
21) t-1,2-Dichloroethene	8.63	96	435638	150.80 ug/L	90
22) 1,1-Dichloroethane	9.57	63	856853	171.13 ug/L	95
23) Vinyl Acetate	9.87	43	3640175	582.88 ug/L	96
24) Isopropyl ether	9.35	45	1844081m	170.93 ug/L	96
25) Chloroprene	9.55	88	360166	159.39 ug/L	99
26) 2-Butanone	11.02	72	225966	795.40 ug/L #	40
27) c-1,2-Dichloroethene	10.32	96	496682	156.40 ug/L	97
28) 2,2-Dichloropropane	10.48	77	479330	203.53 ug/L	99
29) Propionitrile	11.40	54	635667	1611.98 ug/L	82
30) Methacrylonitrile	11.44	41	3320860	1518.50 ug/L	88
31) Bromochloromethane	10.59	128	186729	131.06 ug/L	98
32) Chloroform	10.65	83	814210	145.76 ug/L	98
33) Dibromofluoromethane	10.89	113	245969	69.96 ug/L	80
35) 1,1,1-Trichloroethane	10.96	97	601017	144.38 ug/L	89
36) 1,1-Dichloropropene	11.11	75	604089	158.24 ug/L	93
37) Isobutyl alcohol	11.50	43	773617m	3072.03 ug/L	65
39) Carbon Tetrachloride	10.88	117	503036	107.66 ug/L	96
40) d4-1,2-Dichloroethane	11.56	65	300797	54.48 µg/L #	80
42) 1,2-Dichloroethane	11.64	62	636465	111.66 ug/L #	15
43) Benzene	11.43	78	1715412	118.30 ug/L	97
44) Trichloroethene	12.10	130	399530	104.41 ug/L	93

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY012.D Vial: 12
Acq On : 30 Nov 2006 20:27 Operator: ds
Sample : BA00075-CAL6 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:33 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

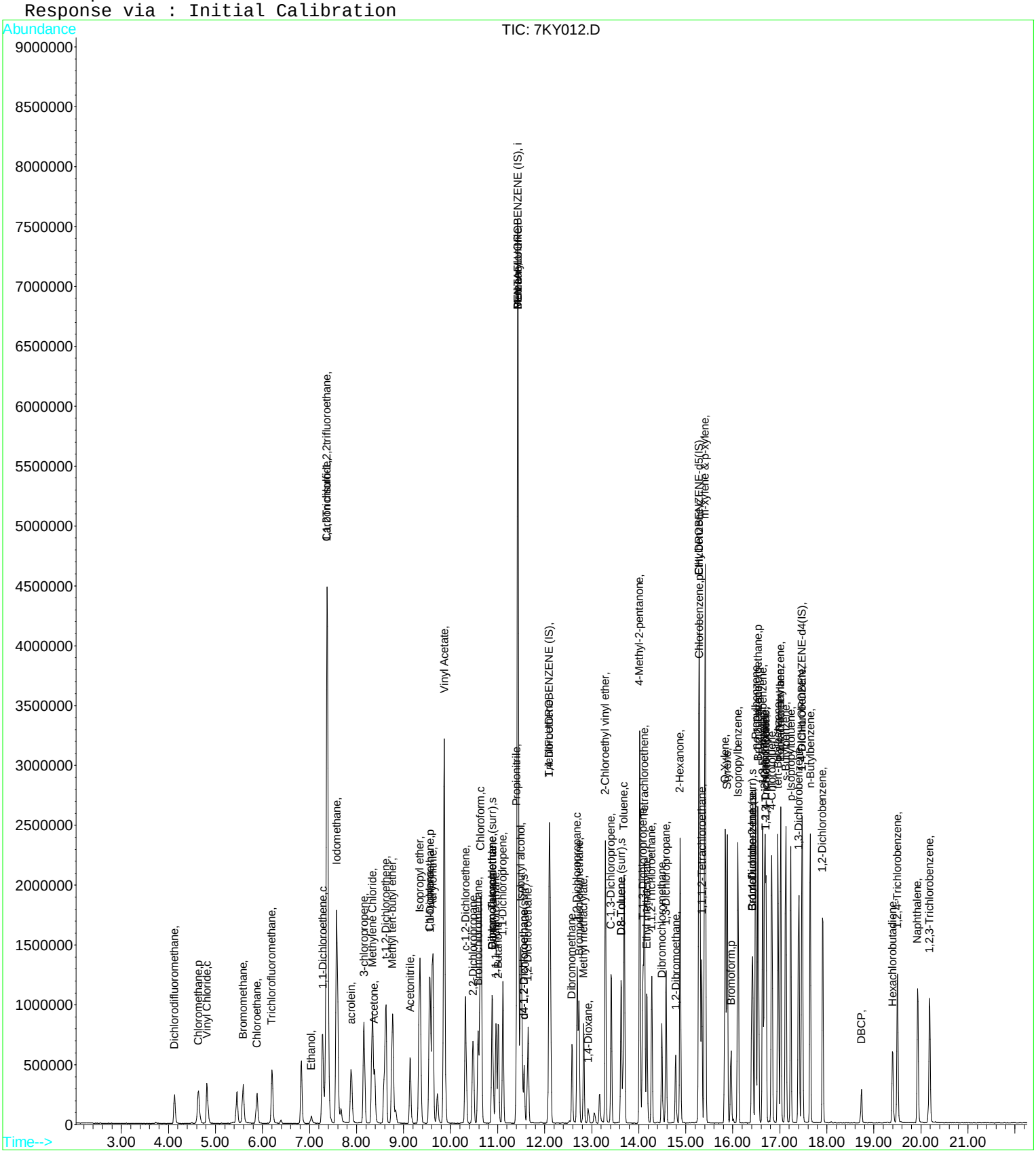
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45)	1,2-Dichloropropane	12.69	63	497328	129.94 ug/L		88
46)	Methyl methacrylate	12.83	69	304065	123.49 ug/L		82
47)	1,4-Dioxane	12.93	88	80248	2319.28 ug/L		86
48)	Dibromomethane	12.58	93	295592	106.56 ug/L	#	76
49)	Bromodichloromethane	12.73	83	650326	118.80 ug/L		96
50)	2-Chloroethyl vinyl ether	13.29	63	973198	1624.86 ug/L		89
51)	C-1,3-Dichloropropene	13.42	75	742199	123.54 ug/L		97
52)	4-Methyl-2-pentanone	14.02	100	275075	536.31 ug/L	#	1
53)	D8-Toluene	13.63	98	862127	59.26 ug/L		98
56)	Toluene	13.69	92	987825	98.28 ug/L		97
57)	T-1,3-Dichloropropene	14.09	75	622894	107.33 ug/L		99
58)	Ethyl methacrylate	14.18	69	598634	112.59 ug/L		86
59)	1,1,2-Trichloroethane	14.28	97	382874	108.20 ug/L		90
60)	1,3-Dichloropropane	14.58	76	743423	109.07 ug/L		97
61)	Tetrachloroethene	14.12	164	466229	88.07 ug/L		94
62)	2-Hexanone	14.88	43	1796630	530.30 ug/L		90
63)	Dibromochloromethane	14.49	129	411383	95.71 ug/L		100
64)	1,2-Dibromoethane	14.79	107	397458	96.75 ug/L		100
65)	Chlorobenzene	15.30	112	1044340	96.30 ug/L		96
66)	1,1,1,2-Tetrachloroethane	15.34	131	353563	89.76 ug/L		97
67)	Ethylbenzene	15.28	106	522138	98.62 ug/L	#	71
68)	m-xylene & p-xylene	15.41	106	1317612	199.47 ug/L		93
69)	O-Xylene	15.83	106	635507	104.61 ug/L		89
70)	Styrene	15.88	104	1143710m	111.66 ug/L		95
71)	Bromoform	15.96	173	224871	79.02 ug/L		98
72)	Isopropylbenzene	16.11	105	1467644	106.22 ug/L		96
73)	C-1,4-Dichloro-2-butene	16.43	53	179091	124.21 ug/L	#	1
74)	Bromofluorobenzene	16.41	95	402301	69.34 ug/L	#	83
76)	1,1,2,2-Tetrachloroethane	16.54	83	486657	110.87 ug/L		96
77)	Bromobenzene	16.54	156	370887	88.13 ug/L		98
78)	1,2,3-Trichloropropane	16.70	75	655318	124.97 ug/L	#	44
79)	T-1,4-Dichloro-2-Butene	16.70	53	171626	113.36 ug/L	#	87
80)	n-Propylbenzene	16.49	91	2189020	117.25 ug/L		88
82)	2-Chlorotoluene	16.68	91	1378612m	104.32 ug/L		95
83)	1,3,5-Trimethylbenzene	16.63	105	1319076	108.17 ug/L		99
84)	4-Chlorotoluene	16.83	91	1361413	117.43 ug/L		92
85)	tert-Butylbenzene	16.96	119	1049709	102.46 ug/L		96
86)	Pentachloroethane	17.03	167	7832	11.94 ug/L		88
87)	1,2,4-Trimethylbenzene	17.02	105	1415424	110.69 ug/L		99
88)	s-Butylbenzene	17.13	105	1696437	107.61 ug/L		90
89)	1,3-Dichlorobenzene	17.40	146	703586	88.54 ug/L		97
90)	p-Isopropyltoluene	17.24	119	1303051	107.45 ug/L		95
91)	1,4-Dichlorobenzene	17.48	146	733870	89.60 ug/L		97
92)	n-Butylbenzene	17.65	91	1428942	118.06 ug/L		93
93)	1,2-Dichlorobenzene	17.92	146	672618	90.87 ug/L		98
94)	DBCP	18.73	157	69918m	81.24 ug/L		93
95)	1,2,4-Trichlorobenzene	19.50	180	405284	79.75 ug/L		100
96)	Hexachlorobutadiene	19.41	225	111073	72.53 ug/L		98
97)	Naphthalene	19.93	128	1023595	94.30 ug/L		97
98)	1,2,3-Trichlorobenzene	20.18	180	359820	76.19 ug/L		99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067KW\7KY012.D Vial: 12
Acq On : 30 Nov 2006 20:27 Operator: ds
Sample : BA00075-CAL6 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:33 2006 Quant Results File: 8260W6JV.RES

Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY015.D Vial: 15
Acq On : 30 Nov 2006 21:59 Operator: ds
Sample : BA00075-CAL7 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:35 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.44	168	300637	50.00 ug/L	-0.03
38) 1,4-DIFLUOROBENZENE (IS)	12.10	114	650348	50.00 ug/L	-0.03
55) CHLOROBENZENE-d5(IS)	15.28	117	704224	50.00 ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.46	152	324523	50.00 ug/L	-0.02
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.89	113	233461	63.29 ug/L	-0.02
Spiked Amount 50.000 Range 71 - 136 Recovery = 126.58%					
41) d4-1,2-Dichloroethane(surr	11.57	65	280561	49.76 µg/L	-0.03
Spiked Amount 50.000 Range 70 - 130 Recovery = 99.52%					
54) D8-Toluene (surr)	13.63	98	825967	55.59 ug/L	-0.03
Spiked Amount 50.000 Range 75 - 126 Recovery = 111.18%					
75) Bromofluorobenzene (surr)	16.41	95	381525	62.94 ug/L	-0.02
Spiked Amount 50.000 Range 76 - 120 Recovery = 125.88%#					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.13	85	614397	188.04 ug/L	97
3) Chloromethane	4.64	50	1172269	280.01 ug/L	98
4) Vinyl Chloride	4.82	62	1029370	310.28 ug/L	92
5) Bromomethane	5.59	94	531700	174.67 ug/L	96
6) Chloroethane	5.87	64	636916	321.06 ug/L	96
7) Trichlorofluoromethane	6.20	101	1090322	271.56 ug/L	99
8) Ethanol	7.04	45	178837	7208.12 ug/L	92
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		N.D. d	
10) acrolein	7.89	56	1204572	6068.29 ug/L	97
11) 1,1,2Trichloro-1,2,2triflu	7.35	151	859715	439.44 ug/L #	57
12) 1,1-Dichloroethene	7.29	96	796430	322.87 ug/L #	88
13) Acetone	8.38	43	1422813	1620.60 ug/L	100
14) Iodomethane	7.58	142	5544528	1248.70 ug/L	88
15) Carbon disulfide	7.38	76	14840014	1661.78 ug/L	99
16) Acetonitrile	9.14	41	1472676	2905.45 ug/L	93
17) 3-chloropropene	8.16	41	1535846	379.92 ug/L #	94
18) Methylene Chloride	8.34	84	1039709	360.82 ug/L #	78
19) Acrylonitrile	9.62	53	2659989	4674.64 ug/L	93
20) Methyl tert-butyl ether	8.76	73	2354761	289.79 ug/L	91
21) t-1,2-Dichloroethene	8.63	96	913179	301.31 ug/L	89
22) 1,1-Dichloroethane	9.57	63	1733518	330.01 ug/L	95
23) Vinyl Acetate	9.87	43	11316816	1727.29 ug/L	100
24) Isopropyl ether	9.35	45	3703410m	327.20 ug/L	91
25) Chloroprene	9.55	88	758858	320.11 ug/L	95
26) 2-Butanone	11.01	72	483594	1635.25 ug/L #	48
27) c-1,2-Dichloroethene	10.32	96	1011523	303.62 ug/L	98
28) 2,2-Dichloropropane	10.48	77	951687	391.31 ug/L	97
29) Propionitrile	11.40	54	1327677	3209.29 ug/L	84
30) Methacrylonitrile	11.44	41	6539159	2850.19 ug/L	92
31) Bromochloromethane	10.59	128	372540	249.23 ug/L	98
32) Chloroform	10.65	83	1668336	284.70 ug/L	99
33) Dibromofluoromethane	10.89	113	233461	63.29 ug/L	80
35) 1,1,1-Trichloroethane	10.96	97	1237209	283.30 ug/L	89
36) 1,1-Dichloropropene	11.11	75	1257041	313.87 ug/L	94
37) Isobutyl alcohol	11.51	43	1627781m	6161.44 ug/L	67
39) Carbon Tetrachloride	10.88	117	1033880	216.64 ug/L	98
40) d4-1,2-Dichloroethane	11.57	65	280561	49.76 µg/L #	82
42) 1,2-Dichloroethane	11.64	62	1287467	221.15 ug/L #	15
43) Benzene	11.43	78	3437872	232.13 ug/L	98
44) Trichloroethene	12.10	130	785982	201.11 ug/L	94

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY015.D Vial: 15
Acq On : 30 Nov 2006 21:59 Operator: ds
Sample : BA00075-CAL7 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:35 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

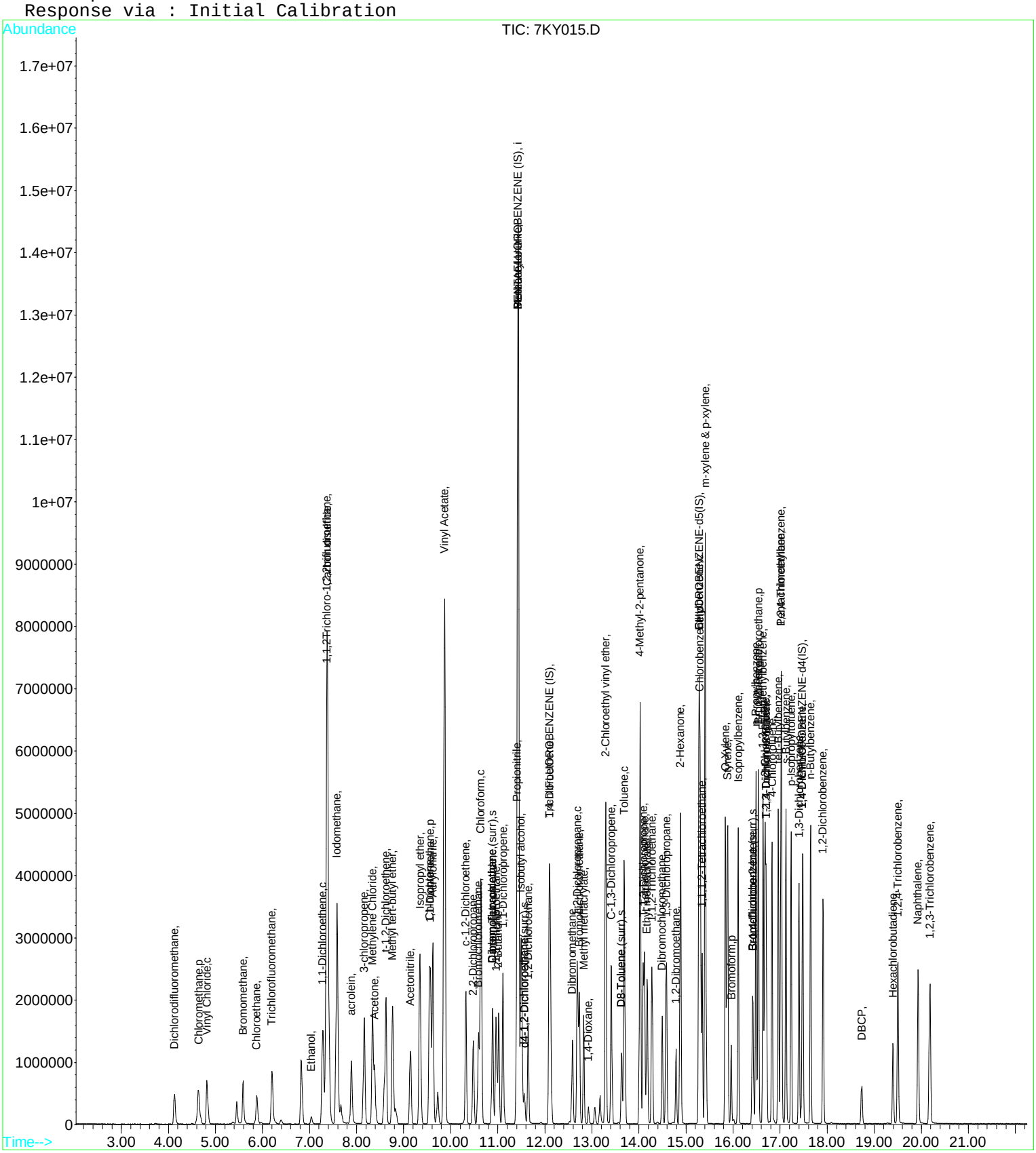
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45)	1,2-Dichloropropane	12.69	63	1004376	256.92 ug/L		88
46)	Methyl methacrylate	12.83	69	667604	265.46 ug/L		82
47)	1,4-Dioxane	12.93	88	172604	5010.62 ug/L		95
48)	Dibromomethane	12.58	93	619961	218.82 ug/L	#	75
49)	Bromodichloromethane	12.73	83	1358516	242.98 ug/L		99
50)	2-Chloroethyl vinyl ether	13.29	63	2234531	3648.34 ug/L		90
51)	C-1,3-Dichloropropene	13.41	75	1543446	251.53 ug/L		99
52)	4-Methyl-2-pentanone	14.02	100	610726	1165.81 ug/L	#	23
53)	D8-Toluene	13.63	98	825967	55.59 ug/L		97
56)	Toluene	13.69	92	2066155	196.76 ug/L		99
57)	T-1,3-Dichloropropene	14.09	75	1289171	212.61 ug/L		99
58)	Ethyl methacrylate	14.17	69	1289437	232.12 ug/L		88
59)	1,1,2-Trichloroethane	14.28	97	790276	217.92 ug/L		90
60)	1,3-Dichloropropane	14.58	76	1524044	214.02 ug/L		99
61)	Tetrachloroethene	14.12	164	583951	106.03 ug/L		94
62)	2-Hexanone	14.88	43	3699448	1045.15 ug/L		91
63)	Dibromochloromethane	14.49	129	889301	199.84 ug/L		99
64)	1,2-Dibromoethane	14.79	107	834817	194.51 ug/L		99
65)	Chlorobenzene	15.30	112	2145684	189.38 ug/L		97
66)	1,1,1,2-Tetrachloroethane	15.34	131	730701	177.55 ug/L		100
67)	Ethylbenzene	15.28	106	1112523	201.13 ug/L		78
68)	m-xylene & p-xylene	15.41	106	2766374	400.84 ug/L		97
69)	O-Xylene	15.84	106	1344813	211.88 ug/L		94
70)	Styrene	15.88	104	2337176m	218.39 ug/L		95
71)	Bromoform	15.96	173	489637	164.68 ug/L		99
72)	Isopropylbenzene	16.11	105	3038360	210.48 ug/L		97
73)	C-1,4-Dichloro-2-butene	16.43	53	372147	251.47 ug/L	#	39
74)	Bromofluorobenzene	16.41	95	381525	62.94 ug/L	#	83
76)	1,1,2,2-Tetrachloroethane	16.54	83	1161133	256.23 ug/L		98
77)	Bromobenzene	16.54	156	796237	181.09 ug/L		100
78)	1,2,3-Trichloropropane	16.70	75	1389705	256.90 ug/L	#	44
79)	T-1,4-Dichloro-2-Butene	16.70	53	340807	215.47 ug/L	#	87
80)	n-Propylbenzene	16.49	91	4486894	230.03 ug/L		90
82)	2-Chlorotoluene	16.68	91	2804702m	204.69 ug/L		96
83)	1,3,5-Trimethylbenzene	16.63	105	2797748	221.26 ug/L		99
84)	4-Chlorotoluene	16.83	91	2771374	230.54 ug/L		94
85)	tert-Butylbenzene	16.96	119	2241733	211.02 ug/L		98
86)	Pentachloroethane	17.03	167	439370	889.80 ug/L		95
87)	1,2,4-Trimethylbenzene	17.02	105	2939647	221.72 ug/L		97
88)	s-Butylbenzene	17.13	105	3549789	217.16 ug/L		90
89)	1,3-Dichlorobenzene	17.40	146	1478086	179.39 ug/L		97
90)	p-Isopropyltoluene	17.24	119	2708340	215.38 ug/L		95
91)	1,4-Dichlorobenzene	17.48	146	1520826	179.07 ug/L		98
92)	n-Butylbenzene	17.65	91	2942440	234.45 ug/L		94
93)	1,2-Dichlorobenzene	17.92	146	1440264	187.66 ug/L		98
94)	DBCP	18.74	157	156343	175.21 ug/L	#	79
95)	1,2,4-Trichlorobenzene	19.50	180	873361	165.74 ug/L		100
96)	Hexachlorobutadiene	19.41	225	238826	151.61 ug/L		99
97)	Naphthalene	19.93	128	2246046	199.55 ug/L		98
98)	1,2,3-Trichlorobenzene	20.18	180	791908	161.71 ug/L		99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067KW\7KY015.D Vial: 15
Acq On : 30 Nov 2006 21:59 Operator: ds
Sample : BA00075-CAL7 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:35 2006 Quant Results File: 8260W6JV.RES

Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY003.D Vial: 3
Acq On : 30 Nov 2006 15:51 Operator: ds
Sample : BA00075-ICB1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:08 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.44	168	265624	50.00 ug/L	-0.03
38) 1,4-DIFLUOROBENZENE (IS)	12.10	114	593349	50.00 ug/L	-0.03
55) CHLOROBENZENE-d5(IS)	15.28	117	613076	50.00 ug/L	-0.02
81) 1,4-DICHLOROBENZENE-d4(IS)	17.46	152	266693	50.00 ug/L	-0.02
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.89	113	218132	66.93 ug/L	-0.03
Spiked Amount 50.000 Range 71 - 136 Recovery = 133.86%					
41) d4-1,2-Dichloroethane(surr	11.57	65	278658	54.16 µg/L	-0.03
Spiked Amount 50.000 Range 70 - 130 Recovery = 108.32%					
54) D8-Toluene (surr)	13.63	98	746593	55.07 ug/L	-0.03
Spiked Amount 50.000 Range 75 - 126 Recovery = 110.14%					
75) Bromofluorobenzene (surr)	16.41	95	334309	63.35 ug/L	-0.02
Spiked Amount 50.000 Range 76 - 120 Recovery = 126.70%#					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.24	85	204	0.07 ug/L #	1
3) Chloromethane	4.66	50	355	0.10 ug/L #	22
4) Vinyl Chloride	4.85	62	451	0.15 ug/L	91
5) Bromomethane	5.47	94	169	-1.13 ug/L	83
6) Chloroethane	0.00	64		N.D. d	
7) Trichlorofluoromethane	6.22	101	172	0.05 ug/L #	1
8) Ethanol	7.17	45	188	-140.30 ug/L	74
9) 1,2-Dichloro-1,1,2-triflur	7.14	117		No Calib #	
10) acrolein	7.95	56	320	-28.04 ug/L	97
11) 1,1,2Trichloro-1,2,2triflu	7.42	151	108	0.06 ug/L #	1
12) 1,1-Dichloroethene	7.33	96	116	0.05 ug/L #	1
13) Acetone	8.53	43	344	-26.86 ug/L	75
14) Iodomethane	7.60	142	231	-5.14 ug/L #	1
15) Carbon disulfide	7.36	76	377	0.05 ug/L	52
16) Acetonitrile	0.00	41		N.D. d	
17) 3-chloropropene	8.19	41	454	-2.77 ug/L #	93
18) Methylene Chloride	8.33	84	2943	-4.94 ug/L	89
19) Acrylonitrile	9.61	53	111	-18.85 ug/L #	1
20) Methyl tert-butyl ether	8.66	73	105	0.01 ug/L #	1
21) t-1,2-Dichloroethene	8.59	96	103	0.04 ug/L #	75
22) 1,1-Dichloroethane	9.50	63	196	0.04 ug/L #	40
23) Vinyl Acetate	9.88	43	332	0.06 ug/L #	76
24) Isopropyl ether	9.45	45	363	0.04 ug/L	100
25) Chloroprene	9.59	88	125	0.06 ug/L #	1
26) 2-Butanone	11.14	72	159	-11.56 ug/L	95
27) c-1,2-Dichloroethene	10.32	96	334	0.11 ug/L #	10
28) 2,2-Dichloropropane	10.43	77	220	-6.74 ug/L	78
29) Propionitrile	0.00	54		N.D. d	
30) Methacrylonitrile	11.40	41	249	0.12 ug/L	98
31) Bromochloromethane	10.53	128	100	0.08 ug/L #	1
32) Chloroform	10.66	83	194	0.04 ug/L #	17
33) Dibromofluoromethane	10.89	113	218132	66.93 ug/L	83
35) 1,1,1-Trichloroethane	11.15	97	159	0.04 ug/L #	1
36) 1,1-Dichloropropene	11.12	75	167	0.05 ug/L #	41
37) Isobutyl alcohol	0.00	43		N.D. d	
39) Carbon Tetrachloride	10.90	117	575	0.13 ug/L #	1
40) d4-1,2-Dichloroethane	11.57	65	278658	54.16 µg/L #	81
42) 1,2-Dichloroethane	11.77	62	291	0.05 ug/L #	83
43) Benzene	11.47	78	114	0.01 ug/L #	1
44) Trichloroethene	0.00	130		N.D. d	

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY003.D Vial: 3
Acq On : 30 Nov 2006 15:51 Operator: ds
Sample : BA00075-ICB1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:08 2006 Quant Results File: 8260W6JV.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

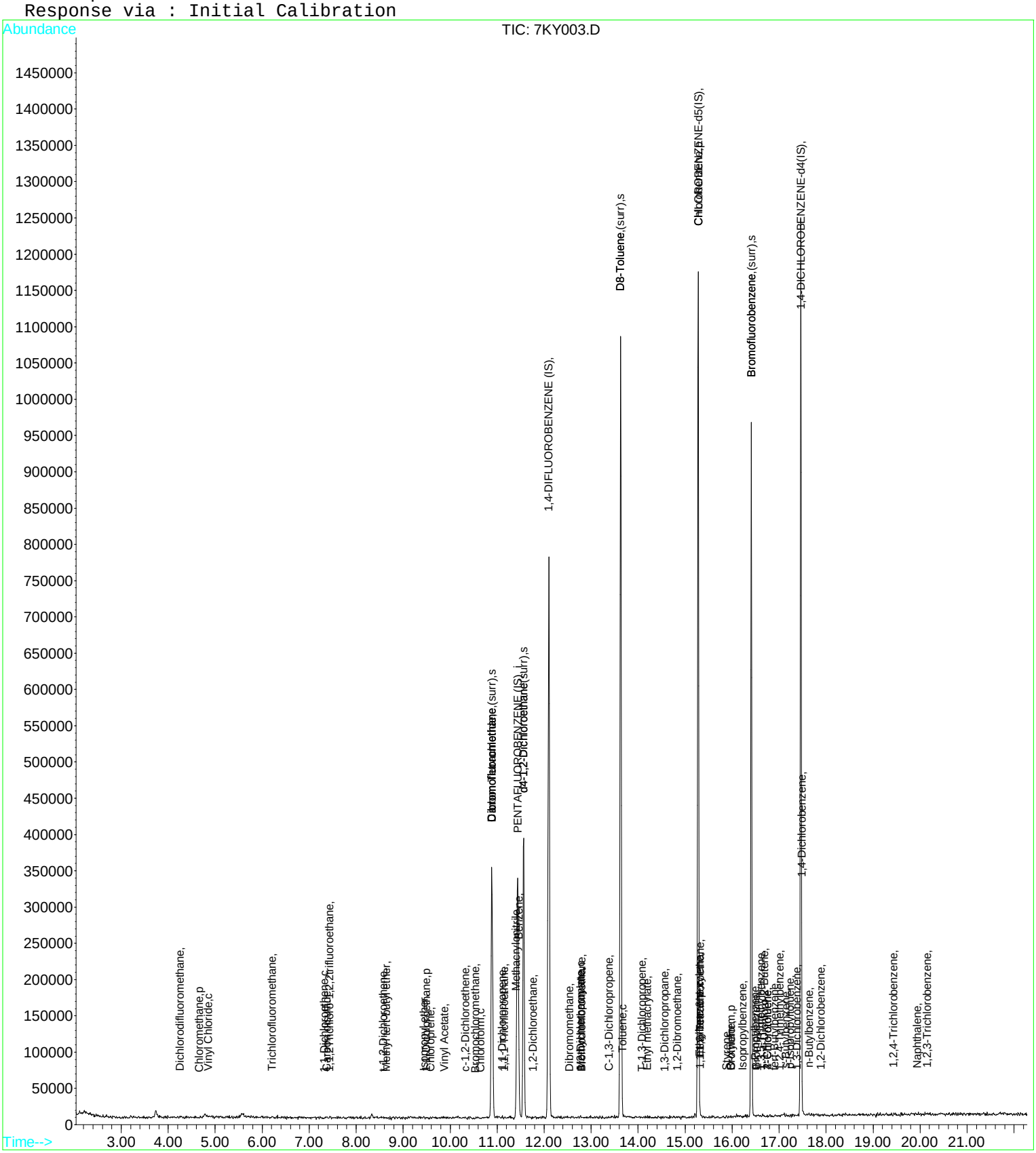
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
45)	1,2-Dichloropropane	12.79	63	167	0.05 ug/L #	58
46)	Methyl methacrylate	12.79	69	143	0.06 ug/L #	1
47)	1,4-Dioxane	12.83	88	130	-110.19 ug/L #	61
48)	Dibromomethane	12.54	93	128	0.05 ug/L #	1
49)	Bromodichloromethane	12.81	83	101	0.02 ug/L #	1
50)	2-Chloroethyl vinyl ether	0.00	63		N.D. d	
51)	C-1,3-Dichloropropene	13.37	75	176	0.03 ug/L #	1
52)	4-Methyl-2-pentanone	0.00	100		N.D. d	
53)	D8-Toluene	13.63	98	746593	55.07 ug/L	97
56)	Toluene	13.68	92	481	0.05 ug/L #	78
57)	T-1,3-Dichloropropene	14.09	75	133	0.03 ug/L #	42
58)	Ethyl methacrylate	14.20	69	124	0.03 ug/L #	1
59)	1,1,2-Trichloroethane	14.20	97	469	-4.11 ug/L #	42
60)	1,3-Dichloropropane	14.55	76	237	0.04 ug/L #	1
61)	Tetrachloroethene	0.00	164		N.D.	
62)	2-Hexanone	0.00	43		N.D. d	
63)	Dibromochloromethane	14.42	129	234	-1.62 ug/L	81
64)	1,2-Dibromoethane	14.82	107	160	0.04 ug/L	98
65)	Chlorobenzene	15.28	112	106	0.01 ug/L #	1
66)	1,1,1,2-Tetrachloroethane	15.33	131	175	0.05 ug/L #	1
67)	Ethylbenzene	15.32	106	149	0.03 ug/L #	49
68)	m-xylene & p-xylene	15.32	106	149	0.02 ug/L	99
69)	O-Xylene	15.98	106	115	0.02 ug/L	70
70)	Styrene	15.89	104	266	0.03 ug/L	81
71)	Bromoform	15.98	173	134	0.05 ug/L #	27
72)	Isopropylbenzene	16.22	105	325	0.03 ug/L	66
73)	C-1,4-Dichloro-2-butene	16.43	53	212	-4.31 ug/L #	1
74)	Bromofluorobenzene	16.41	95	334309	63.35 ug/L #	83
76)	1,1,2,2-Tetrachloroethane	16.53	83	270	-2.30 ug/L #	88
77)	Bromobenzene	16.51	156	167	0.04 ug/L	96
78)	1,2,3-Trichloropropane	16.65	75	514	-3.05 ug/L #	45
79)	T-1,4-Dichloro-2-Butene	16.69	53	147	0.11 ug/L #	30
80)	n-Propylbenzene	16.50	91	506	0.03 ug/L	100
82)	2-Chlorotoluene	16.76	91	378	0.03 ug/L	95
83)	1,3,5-Trimethylbenzene	16.63	105	289	0.03 ug/L	90
84)	4-Chlorotoluene	16.76	91	378	0.04 ug/L	90
85)	tert-Butylbenzene	16.89	119	128	0.01 ug/L #	49
86)	Pentachloroethane	17.09	167	163	-4.19 ug/L	73
87)	1,2,4-Trimethylbenzene	17.00	105	130	0.01 ug/L #	1
88)	s-Butylbenzene	17.14	105	135	0.01 ug/L #	1
89)	1,3-Dichlorobenzene	17.38	146	157	0.02 ug/L #	75
90)	p-Isopropyltoluene	17.23	119	207	0.02 ug/L #	1
91)	1,4-Dichlorobenzene	17.49	146	354	0.05 ug/L #	1
92)	n-Butylbenzene	17.64	91	682	0.07 ug/L #	45
93)	1,2-Dichlorobenzene	17.89	146	283	0.04 ug/L	98
94)	DBCP	0.00	157		N.D. d	
95)	1,2,4-Trichlorobenzene	19.43	180	158	0.04 ug/L #	1
96)	Hexachlorobutadiene	19.45	225	130	-1.03 ug/L #	1
97)	Naphthalene	19.93	128	136	0.01 ug/L #	70
98)	1,2,3-Trichlorobenzene	20.17	180	104	0.03 ug/L #	30

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\20067KW\7KY003.D Vial: 3
Acq On : 30 Nov 2006 15:51 Operator: ds
Sample : BA00075-ICB1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 11:08 2006 Quant Results File: 8260W6JV.RES

Method : C:\HPCHEM\1\METHODS\8260W6JV.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Mon Oct 30 10:57:29 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY019.D Vial: 19
Acq On : 1 Dec 2006 00:02 Operator: ds
Sample : BA00075-ICV1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 4 11:28 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) PENTAFLUOROBENZENE (IS)	11.44	168	300481	50.00 ug/L	0.00
38) 1,4-DIFLUOROBENZENE (IS)	12.10	114	659866	50.00 ug/L	0.00
55) CHLOROBENZENE-d5(IS)	15.28	117	692327	50.00 ug/L	0.00
81) 1,4-DICHLOROBENZENE-d4(IS)	17.47	152	311610	50.00 ug/L	0.00
System Monitoring Compounds					
34) Dibromofluoromethane (surr	10.89	113	246942	49.63 ug/L	0.00
Spiked Amount 50.000 Range 71 - 136 Recovery = 99.26%					
41) d4-1,2-Dichloroethane(surr	11.56	65	294408	46.75 µg/L	0.00
Spiked Amount 50.000 Range 70 - 130 Recovery = 93.50%					
54) D8-Toluene (surr)	13.63	98	851951	49.45 ug/L	0.00
Spiked Amount 50.000 Range 75 - 126 Recovery = 98.90%					
75) Bromofluorobenzene (surr)	16.40	95	378591	48.67 ug/L	0.00
Spiked Amount 50.000 Range 76 - 120 Recovery = 97.34%					

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.12	85	113619	38.65 ug/L	97
3) Chloromethane	4.64	50	169759	29.26 ug/L	96
4) Vinyl Chloride	4.82	62	143829	28.51 ug/L	92
5) Bromomethane	5.59	94	72446	22.53 ug/L	97
6) Chloroethane	5.88	64	87132	24.03 ug/L	96
7) Trichlorofluoromethane	6.21	101	141358	25.49 ug/L	96
8) Ethanol	7.04	45	3134	2.27 ug/L	74
9) 1,2-Dichloro-1,1,2-triflur	0.00	117		No Calib #	
10) acrolein	7.89	56	79871	64.79 ug/L	97
11) 1,1,2Trichloro-1,2,2triflu	7.36	151	47440	20.83 ug/L #	55
12) 1,1-Dichloroethene	7.28	96	83377	20.23 ug/L	88
13) Acetone	8.40	43	82506	49.26 ug/L	98
14) Iodomethane	7.58	142	89932	20.45 ug/L	87
15) Carbon disulfide	7.38	76	327947	19.41 ug/L	99
16) Acetonitrile	9.15	41	15732	18.96 ug/L	93
17) 3-chloropropene	8.16	41	153083	21.05 ug/L #	93
18) Methylene Chloride	8.34	84	112566	20.17 ug/L #	77
19) Acrylonitrile	9.62	53	40669	13.64 ug/L	88
20) Methyl tert-butyl ether	8.77	73	264549	21.14 ug/L	92
21) t-1,2-Dichloroethene	8.62	96	98974	21.01 ug/L	91
22) 1,1-Dichloroethane	9.58	63	197289	20.99 ug/L	96
23) Vinyl Acetate	9.87	43	216071	7.98 ug/L	93
24) Isopropyl ether	9.35	45	405294	20.48 ug/L #	79
25) Chloroprene	9.56	88	70367	19.57 ug/L	97
26) 2-Butanone	11.03	72	23435	44.37 ug/L #	36
27) c-1,2-Dichloroethene	10.32	96	103535	20.58 ug/L	97
28) 2,2-Dichloropropane	10.48	77	100889	18.85 ug/L	95
29) Propionitrile	11.55	54	609	0.84 ug/L	79
30) Methacrylonitrile	11.43	41	73896	19.53 ug/L	88
31) Bromochloromethane	10.58	128	44150	21.30 ug/L	97
32) Chloroform	10.65	83	174587	19.50 ug/L	98
33) Dibromofluoromethane	10.89	113	246942	49.63 ug/L	82
35) 1,1,1-Trichloroethane	10.97	97	137656	21.05 ug/L	89
36) 1,1-Dichloropropene	11.12	75	132724	20.92 ug/L	93
37) Isobutyl alcohol	11.50	43	111365	264.70 ug/L #	49
39) Carbon Tetrachloride	10.89	117	110554	20.96 ug/L	98
40) d4-1,2-Dichloroethane	11.56	65	294408	46.75 µg/L #	82
42) 1,2-Dichloroethane	11.65	62	138122	19.32 ug/L #	15
43) Benzene	11.42	78	370423	20.68 ug/L	99
44) Trichloroethene	12.09	130	87900	21.58 ug/L	95

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\20067KW\7KY019.D Vial: 19
Acq On : 1 Dec 2006 00:02 Operator: ds
Sample : BA00075-ICV1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 4 11:28 2006 Quant Results File: 8260W6L1.RES

Quant Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration
DataAcq Meth : 8260W6JV

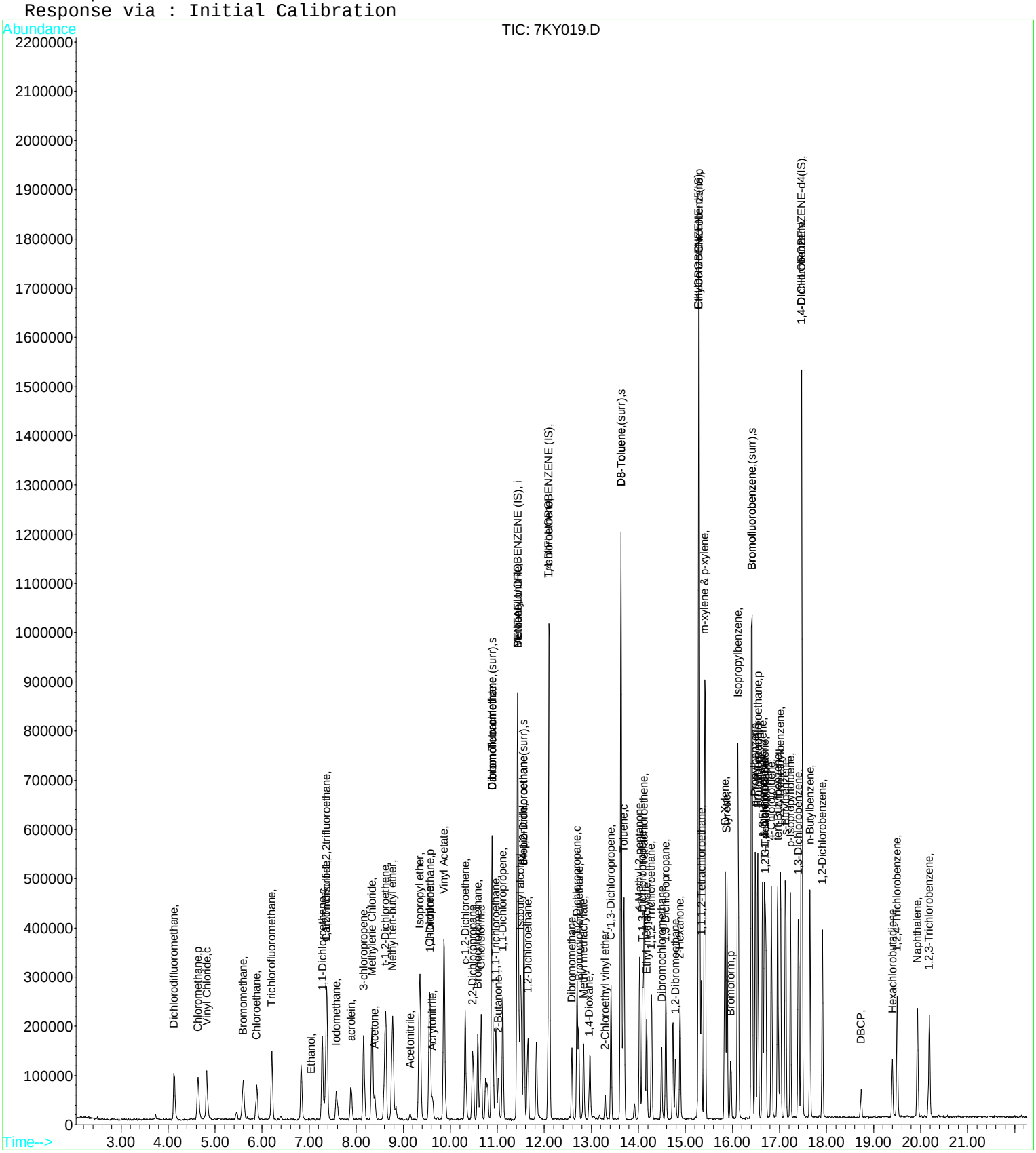
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45)	1,2-Dichloropropane	12.69	63	105737	20.42 ug/L		90
46)	Methyl methacrylate	12.83	69	62666	20.28 ug/L		79
47)	1,4-Dioxane	12.94	88	947	15.82 ug/L	#	1
48)	Dibromomethane	12.59	93	65575	20.21 ug/L	#	74
49)	Bromodichloromethane	12.73	83	125159	17.65 ug/L		96
50)	2-Chloroethyl vinyl ether	13.29	63	20943	34.81 ug/L		87
51)	C-1,3-Dichloropropene	13.41	75	155517	20.77 ug/L		98
52)	4-Methyl-2-pentanone	14.03	100	29443	49.23 ug/L	#	5
53)	D8-Toluene	13.63	98	851951	49.45 ug/L		98
56)	Toluene	13.69	92	210015	19.99 ug/L		94
57)	T-1,3-Dichloropropene	14.09	75	139782	21.60 ug/L		96
58)	Ethyl methacrylate	14.17	69	112453	18.14 ug/L		89
59)	1,1,2-Trichloroethane	14.27	97	81382	19.55 ug/L		92
60)	1,3-Dichloropropane	14.58	76	150605	18.92 ug/L		99
61)	Tetrachloroethene	14.12	164	92728	19.89 ug/L		92
62)	2-Hexanone	14.88	43	180929	47.41 ug/L		92
63)	Dibromochloromethane	14.50	129	83169	20.23 ug/L		99
64)	1,2-Dibromoethane	14.79	107	83139	20.30 ug/L		97
65)	Chlorobenzene	15.30	112	213789	20.34 ug/L		97
66)	1,1,1,2-Tetrachloroethane	15.34	131	70196	19.71 ug/L		98
67)	Ethylbenzene	15.28	106	104818	19.61 ug/L	#	69
68)	m-xylene & p-xylene	15.42	106	270758	41.11 ug/L		92
69)	O-Xylene	15.84	106	129652	20.21 ug/L		92
70)	Styrene	15.88	104	225491	20.61 ug/L		97
71)	Bromoform	15.96	173	42711	18.91 ug/L		96
72)	Isopropylbenzene	16.11	105	332340	23.12 ug/L		94
73)	C-1,4-Dichloro-2-butene	16.48	53	2583	-1.10 ug/L		100
74)	Bromofluorobenzene	16.40	95	378591	48.67 ug/L	#	82
76)	1,1,2,2-Tetrachloroethane	16.54	83	108827	19.53 ug/L		95
77)	Bromobenzene	16.54	156	73141	19.01 ug/L		96
78)	1,2,3-Trichloropropane	16.71	75	138268	19.55 ug/L	#	44
79)	T-1,4-Dichloro-2-Butene	16.70	53	34291	18.00 ug/L	#	77
80)	n-Propylbenzene	16.48	91	443414	20.19 ug/L		88
82)	2-Chlorotoluene	16.68	91	295961	21.10 ug/L		94
83)	1,3,5-Trimethylbenzene	16.64	105	263070	20.14 ug/L		98
84)	4-Chlorotoluene	16.83	91	269433	19.98 ug/L		92
85)	tert-Butylbenzene	16.97	119	211861	20.97 ug/L		93
86)	Pentachloroethane	0.00	167		No Calib		
87)	1,2,4-Trimethylbenzene	17.01	105	271460	20.03 ug/L		99
88)	s-Butylbenzene	17.12	105	344313	20.88 ug/L		88
89)	1,3-Dichlorobenzene	17.40	146	143534	19.90 ug/L		98
90)	p-Isopropyltoluene	17.23	119	249229	20.43 ug/L		95
91)	1,4-Dichlorobenzene	17.48	146	149767	20.61 ug/L		95
92)	n-Butylbenzene	17.65	91	263645	19.34 ug/L		94
93)	1,2-Dichlorobenzene	17.91	146	138606	20.80 ug/L		96
94)	DBCP	18.73	157	12809	19.66 ug/L		87
95)	1,2,4-Trichlorobenzene	19.50	180	69870	18.37 ug/L		94
96)	Hexachlorobutadiene	19.40	225	19777	18.74 ug/L		94
97)	Naphthalene	19.93	128	195091	19.12 ug/L		99
98)	1,2,3-Trichlorobenzene	20.18	180	67115	18.54 ug/L		96

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

Quantitation Report

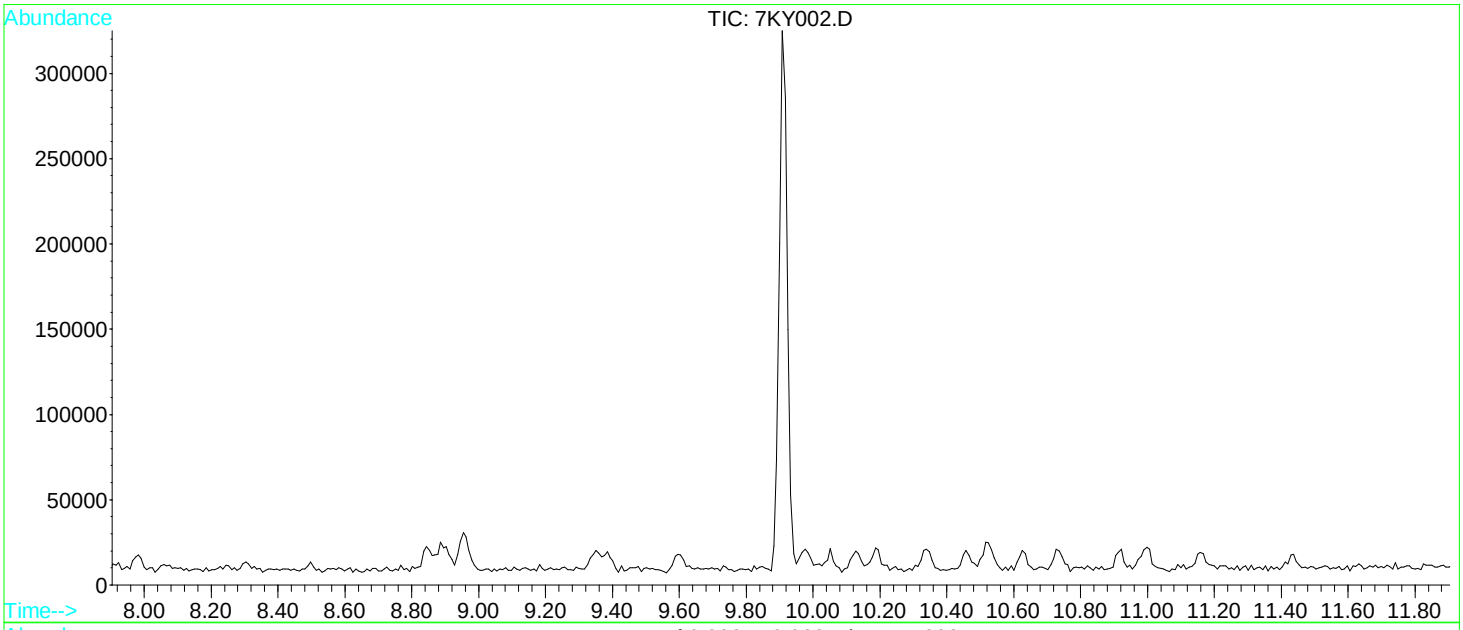
Data File : C:\HPCHEM\1\DATA\20067KW\7KY019.D Vial: 19
Acq On : 1 Dec 2006 00:02 Operator: ds
Sample : BA00075-ICV1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 4 11:28 2006 Quant Results File: 8260W6L1.RES

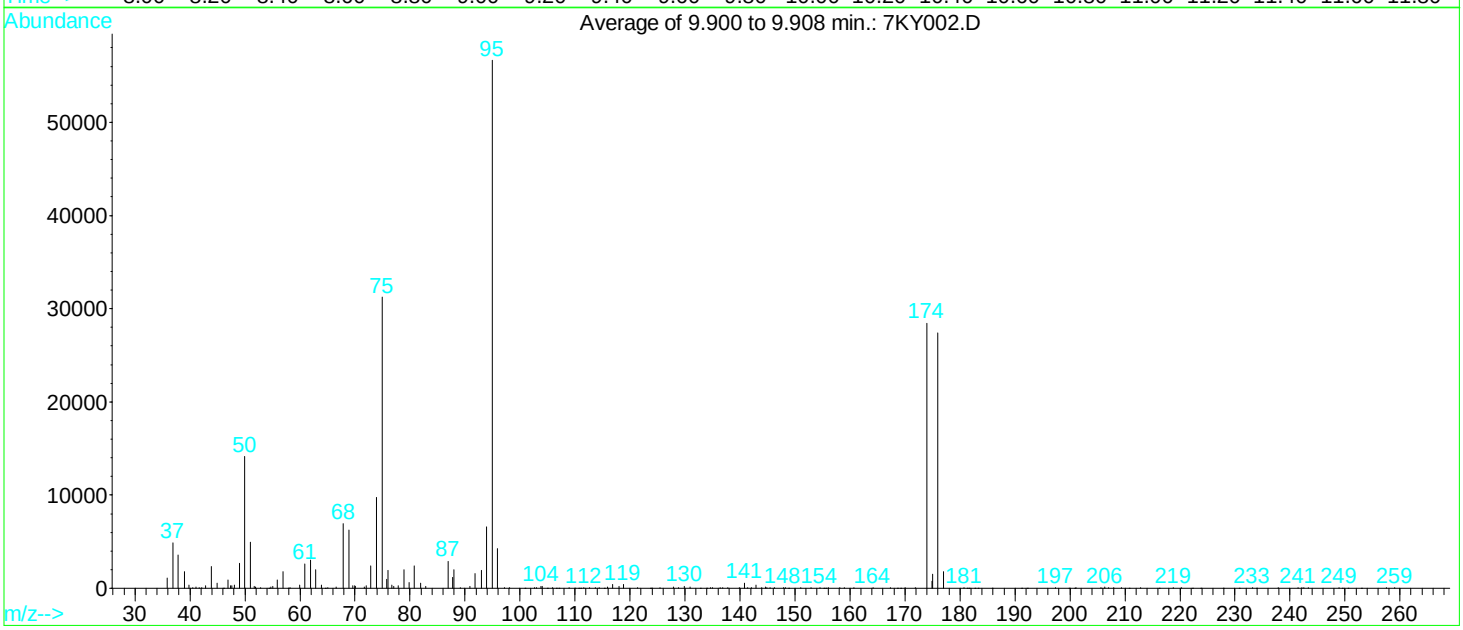
Method : C:\HPCHEM\1\METHODS\8260W6L1.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260
Last Update : Fri Dec 01 11:40:58 2006
Response via : Initial Calibration



BFB

Data File : C:\HPCHEM\1\DATA\20067KW\7KY002.D Vial: 2
Acq On : 30 Nov 2006 15:20 Operator: ds
Sample : BA00075-TUN1 Inst : JVGCMS1
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\826W6JV2.M (RTE Integrator)
Title : VOLATILE ORGANIC ANALYSIS BY EPA 624/8260





Spectrum Information: Average of 9.900 to 9.908 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.9	14130	PASS
75	95	30	60	55.2	31240	PASS
95	95	100	100	100.0	56640	PASS
96	95	5	9	7.5	4265	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	50.2	28436	PASS
175	174	5	9	5.3	1493	PASS
176	174	95	101	96.4	27416	PASS
177	176	5	9	6.5	1785	PASS