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NAS CECIL FIELD, FL
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FIRST QUARTER SIXTH YEAR GROUNDWATER MONITORING LETTER REPORT FOR BUILDING 502 TANK 502 NAS CECIL FIELD FL

9/7/2007

TETRA TECH NUS INC

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Document Tracking Number 07JAX0045

September 7, 2007

Project Number 112G00378

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 IV Contract Number N62467-04-D-0055
Contract Task Order 0025

Subject: Final Quarterly Groundwater Monitoring Report, 1st Quarter, 6th Year - February 2007
Building 502, Tank 502
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 Building 502, Tank 502. This report was prepared for the United States Navy, Naval Facilities Engineering Command Southeast (NAVFAC SE) under the Comprehensive Long-Term Environmental Action Navy (CLEAN) IV Contract Number N62467-04-D-0055.

The primary objective is to monitor groundwater associated with the shallow and deep zones of the shallow surficial aquifer at this site quarterly. The sampling program is being conducted in general accordance with the Monitoring Only Plan Approval Order issued by the Florida Department of Environmental Protection (FDEP) on July 13, 1999, based on Chapter 62-770.690, Florida Administrative Code (see Attachment A). This report summarizes the field operations and analytical results for the subject site for the sampling event conducted on February 7, 2007. Figure 1 shows the location of the site.

BACKGROUND

Tank 502, a 1,000-gallon fuel oil tank, was removed in 1997, and a subsequent site assessment was performed in 1998 by Harding Lawson Associates, Inc. (HLA). HLA recommended a soil source removal immediately surrounding the former location of the fuel tank. The source removal was conducted in January 1999, and the following items were noted in the report by CH2M Hill Constructors, Inc.:

- The contaminated soil associated with Tank 502 was removed.
- No free product was encountered in the excavation.
- Three monitoring wells (CEF-502-1S, CEF-502-2S, and CEF-502-5D) were abandoned because they were within the limits of the excavation

In a letter dated June 23, 2004 in response to the Building 502, Tank 502 Groundwater Monitoring Report (1st Semi-Annual, 4th Year), FDEP requested additional soil investigation at Building 502 due to continued elevated levels of naphthalene, 1-methylnaphthalene, 2-methlynaphthalene, and total petroleum hydrocarbons (TPH) in monitoring well CEF-502-1SR. In response to the letter, TtNUS installed a total of 10 step-out soil borings in the vicinity of CEF-502-1SR in November 2006 for additional site characterization. Ten soil samples from the borings were collected and analyzed for polynuclear aromatic hydrocarbons (PAHs) using United States Environmental Protection Agency (USEPA) Method SW-846 8310 and for TPH using the Florida Petroleum Range Organics (FL-PRO) method. In addition, one round of samples was collected from the six existing wells (CEF-502-1SR, CEF-502-3S, CEF-502-4S, CEF-502-6S, CEF-502-7D, and CEF-502-8S) at the time of soil sampling. The samples were analyzed for TPH using FL-PRO, PAHs including 1-methylnaphthalene and 2-methylnaphthalene using USEPA Method SW-846 8310, and volatile organic compounds (VOCs) using USEPA Method SW-846 8260B.

During the November 2006 sampling event, TPH was detected in excess of its Soil Cleanup Target Level (SCTL) at soil borings CEF-502-SB06 [collected at 5 feet (ft) below ground surface (bgs)], CEF-502-SB07 (collected at 5 ft bgs), CEF-502-SB09 (collected at 3 ft bgs), and CEF-502-SB10 (collected at 5 ft bgs). According to the Site Assessment Report Addendum prepared by TtNUS and submitted May 11, 2007, excavation in the vicinity of these soil borings was recommended, but the plans had not been executed at the time of the 1st Quarter, 6th Year sampling event in February 2007.

During the November 2006 sampling event, 1-methylnaphthalene and 2-methylnaphthalene were detected in monitoring well CEF-502-1SR at concentrations exceeding their respective Groundwater Cleanup Target Levels (GCTLs). All other analytes were either not detected or were detected at estimated concentrations less than their respective GCTLs at CEF-502-1SR. The analytical results for the remaining wells (CEF-502-3S, CEF-502-4S, CEF-502-6S, CEF-502-7D, and CEF-502-8S) indicate that all analytes were either not detected or were detected at estimated concentrations less than their respective GCTLs.

FIELD ACTIVITIES

Groundwater samples were collected on February 7, 2007, using low-flow methods from the source monitoring well (CEF-502-1SR), four shallow monitoring wells (CEF-502-3S, CEF-502-4S, CEF-502-6S, and CEF-502-8S), and one deep monitoring well (CEF-502-7D). Locations of the monitoring wells are shown on Figure 2. Following collection, the groundwater samples were placed on ice and shipped under chain of custody to Accutest Laboratories in Orlando, Florida for analysis. All samples were analyzed for the contaminants of concern (COCs) benzene, toluene, ethylbenzene, and total xylenes (BTEX) and VOCs using USEPA Method SW-846 8260B; TPH using the FL-PRO method; and for PAHs using USEPA Method SW-846 8310.

Prior to obtaining groundwater samples, synoptic water levels and total well depths were measured and recorded on a site-specific groundwater level measurement sheet (see Attachment B). General protocols were in accordance with FDEP Standard Operating Procedures (SOPs) and TtNUS SOP SA-1.1. The data were recorded on groundwater sample log sheets and low-flow purge data sheets (see Attachment B). The depth to water ranged from 7.79 feet below top of casing (btoc) (CEF-502-3S) to 9.11 feet btoc (CEF-502-1SR). The depth-to-water measurements, top-of-casing elevations, and groundwater elevations are presented in Table 1.

RESULTS

The groundwater elevation data indicated that groundwater flow is to the west-southwest, which is consistent with the range of historical groundwater flow directions reported for this site. Table 1 provides the groundwater elevation data. A groundwater elevation contour map generated from February 7, 2007, data is provided as Figure 3.

The analytical results for this event are summarized in Table 2, and the laboratory report is provided as Attachment C. The results indicate that 1-methylnapthalene, 2-methylnapthalene, and naphthalene exceeded their respective GCTLs in monitoring well CEF-502-1SR. All other target analytes were reported as less than their respective GCTLs for well CEF-502-1SR. Analytical results from all other wells (CEF-502-3S, CEF-502-4S, CEF-502-6S, CEF-502-8S and CEF-502-7D) indicated that concentrations of COCs were less than their respective GCTLs. Figure 4 presents the analytical results for this event.

CONCLUSIONS AND RECOMMENDATIONS

During the February 2007 event, naphthalene concentrations increased and 1-methylnapthalene and 2-methylnapthalene concentrations decreased in monitoring well CEF-502-1SR compared to the previous sampling event in November 2006. No COCs were detected in monitoring wells CEF-502-3S, CEF-502-4S, CEF-502-6S, CEF-502-8S, and CEF-502-7D in excess of GCTLs. Table 2 summarizes the sampling data for all site monitoring wells.

The 2nd Quarter, 6th Year sampling event will be scheduled after the completion of the excavation. CEF-502-1SR will be destroyed during the excavation and will be reinstalled by TtNUS. During this event, groundwater samples will be collected from the replacement for CEF-502-1SR, CEF-502-3S, and CEF-502-4S, and will be analyzed for BTEX and VOCs using USEPA Method SW-846 8260B, PAHs using USEPA Method SW-846 8310, and TPH using the FL-PRO method. A 2nd Quarter, 6th 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 Kara Wimble at (904) 730-4669, extension 214, or by email at Kara.Wimble@ttnus.com.

Sincerely,

Mark Peterson, P.G.
Jacksonville Operational Manager

Kara F. Wimble
Project Scientist

Enclosures (5)

c: B. Nwokike, NAVFAC SE (CD only)
M. Halil, CH2M Hill (CD only)
M. Perry, TtNUS (unbound/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 0025 Project File

PROFESSIONAL CERTIFICATION

Groundwater Monitoring Report, 1st Quarter, 6th Year - February 2007
Building 502, Tank 502
Naval Air Station Cecil Field
Jacksonville, Florida

The information contained herein 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 assessment described in this report. This Groundwater Monitoring Report, 1st Quarter, 6th Year - February 2007 was developed for Building 502, Tank 502 at Naval Air Station Cecil Field and should not be construed to apply to any other site.

September 7, 2007
Mark A. Peterson, P.G.
PG Number 1917
Florida License Number PG-0001852

TABLES

TABLE 1
GROUNDWATER ELEVATION AND MONITORING WELL CONSTRUCTION DATA
GROUNDWATER MONITORING REPORT - 1ST QUARTER, 6TH YEAR (FEBRUARY 2007)
BUILDING 502, TANK 502
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Well Number	Total Depth (ft bgs)	Top of Casing Elevation (ft NAVD)	April 9, 2001		December 11, 2001		March 4, 2002		June 6, 2002	
			Depth to Water (ft btoc)	Water Elevation (ft above msl)	Depth to Water (ft btoc)	Water Elevation (ft above msl)	Depth to Water (ft btoc)	Water Elevation (ft above msl)	Depth to Water (ft btoc)	Water Elevation (ft above msl)
CEF-502-1SR	12.48	82.16	6.31	75.85	5.27	76.89	4.65	77.51	8.38	73.78
CEF-502-3S	12.22	80.68	5.03	75.65	3.77	76.91	3.03	77.65	7.14	73.54
CEF-502-4S	12.36	80.68	5.07	75.61	3.73	76.95	3.02	77.66	7.18	73.50
CEF-502-6S	14.80	81.70	5.72	75.98	5.20	76.50	4.64	77.06	7.90	73.80
CEF-502-7D	29.95	81.65	6.00	75.65	4.87	76.78	4.21	77.44	7.84	73.81
CEF-502-8S	13.57	81.75	NA	NM	4.83	76.92	4.14	77.61	8.00	73.75

Well Number	Total Depth (ft bgs)	Top of Casing Elevation (ft NAVD)	December 20, 2002		June 24, 2003		January 28, 2004		November 20, 2006	
			Depth to Water (ft btoc)	Water Elevation (ft above msl)	Depth to Water (ft btoc)	Water Elevation (ft above msl)	Depth to Water (ft btoc)	Water Elevation (ft above msl)	Depth to Water (ft btoc)	Water Elevation (ft above msl)
CEF-502-1SR	12.48	82.16	4.77	77.39	5.62	76.54	8.36	73.80	9.40	72.76
CEF-502-3S	12.22	80.68	3.52	77.16	4.44	76.24	7.07	73.61	8.46	72.22
CEF-502-4S	12.36	80.68	3.54	77.14	5.45	75.23	7.17	73.51	8.6	72.08
CEF-502-6S	14.80	81.70	4.29	77.41	5.00	76.70	7.96	73.74	9.44	72.26
CEF-502-7D	29.95	81.65	4.62	77.03	5.41	76.24	7.98	73.67	9.59	72.06
CEF-502-8S	13.57	81.75	4.47	77.28	5.30	76.45	8.02	73.73	9.33	72.42

Well Number	Total Depth (ft bgs)	Top of Casing Elevation (ft NAVD)	February 7, 2007	
			Depth to Water (ft btoc)	Water Elevation (ft above msl)
CEF-502-1SR	12.48	82.16	9.11	73.05
CEF-502-3S	12.22	80.68	7.79	72.89
CEF-502-4S	12.36	80.68	7.87	72.81
CEF-502-6S	14.80	81.70	8.75	72.95
CEF-502-7D	29.95	81.65	8.78	72.87
CEF-502-8S	13.57	81.75	8.74	73.01

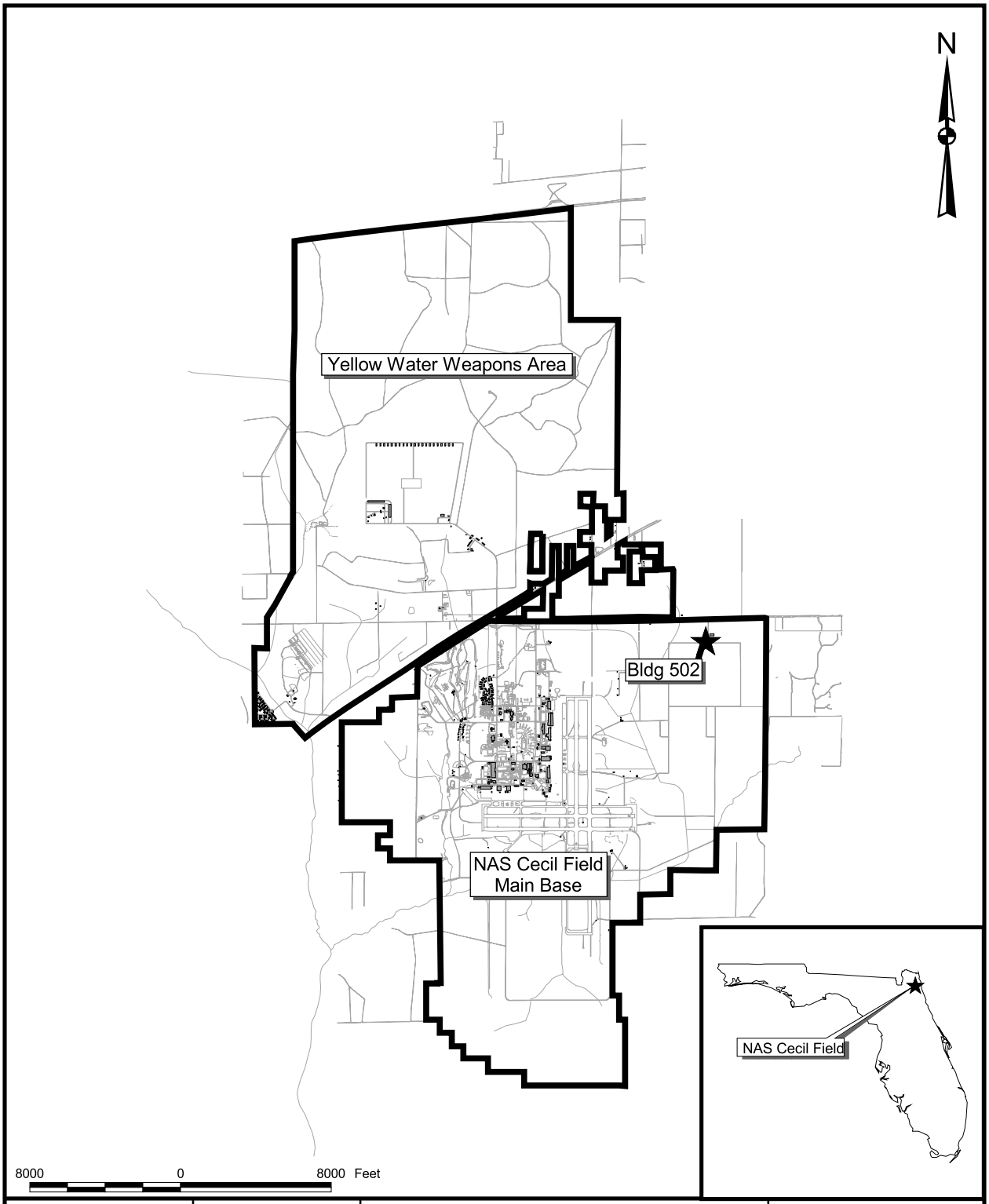
bgs = Below ground surface.
btoc = Below top of casing.
ft = Feet.
msl = Mean sea level.
NAVD = North American Vertical Datum, 1988.
NA = Not applicable.
NM = Not measured.

TABLE 2
GROUNDWATER ANALYTICAL DATA
QUARTERLY GROUNDWATER MONITORING REPORT
1ST QUARTER, 6TH YEAR (FEBRUARY 2007)
BUILDING 502, TANK 502
NAS CECIL FIELD
JACKSONVILLE, FLORIDA

CONSTITUENTS	FDEP GCTL	Milestone Objectives (µg/L)					CEF-502-						
							MW-1SR		MW-3S	MW-4S	MW-6S	MW-7D	MW-8S
							Sample	Duplicate					
		Year 1	Year 2	Year 3	Year 4	Year 5	02/07/07	02/07/07	02/07/07	02/07/07	02/07/07	02/07/07	02/07/07
VOLATILE ORGANICS (µg/L)													
1,2,4-TRIMETHYLBENZENE	10	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS
1,3,5-TRIMETHYLBENZENE	10	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS
BENZENE	1	26	13	6	3	<1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ETHYLBENZENE	30	60	50	40	30	<30	3.3	3.2	0.5 U	3.7	0.5 U	0.5	0.5 U
ACETONE	6300	NA	NA	NA	NA	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U
METHYL ETHYL KETONE	4200	NA	NA	NA	NA	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
ISOPROPYLBENZENE	0.8	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS
TOTAL XYLENES	20	150	100	50	20	<20	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
SEMIVOLATILE ORGANICS (µg/L)													
1-METHYLNAPHTHALENE	28	NA	NA	NA	NA	NA	**40.4**	**42.8**	0.49 U	1	1.5	0.5 U	0.49 U
2-METHYLNAPHTHALENE	28	NA	NA	NA	NA	NA	**64.3**	**67.2**	0.49 U	8.2	2.9	0.5 U	0.49 U
ACENAPHTHENE	20	NA	NA	NA	NA	NA	3.5	2.8	0.98 U	1 U	0.97 U	0.99 U	0.99 U
ANTHRACENE	2100	NA	NA	NA	NA	NA	0.98 U	0.98 U	0.98 U	1.0 U	0.97 U	0.99 U	0.98 U
FLUORENE	280	NA	NA	NA	NA	NA	3.9	4	0.98 U	1 U	1.9	0.99 U	0.99 U
NAPHTHALENE	14	150	100	50	20	<20	**21.1**	**17.1**	0.98 U	4.3	0.97	0.99 U	0.99 U
PHENANTHRENE	210	NA	NA	NA	NA	NA	3.1	3.8	0.98 U	1 U	0.97	0.99 U	0.99 U
TOTAL PETROLEUM HYDROCARBONS (mg/L)													
TPH (C08-C40)	5	10	8	6	5	<5	3.93	4.65	0.526	1.07	0.794	0.16 U	0.17 U

Concentration exceeds criterion.
D = Data reported from a dilution.
J = Estimated concentration.
U = Not detected at associated detection limit.
NS= Not sampled
µg/L = Micrograms per liter.
mg/L = Milligrams per liter.

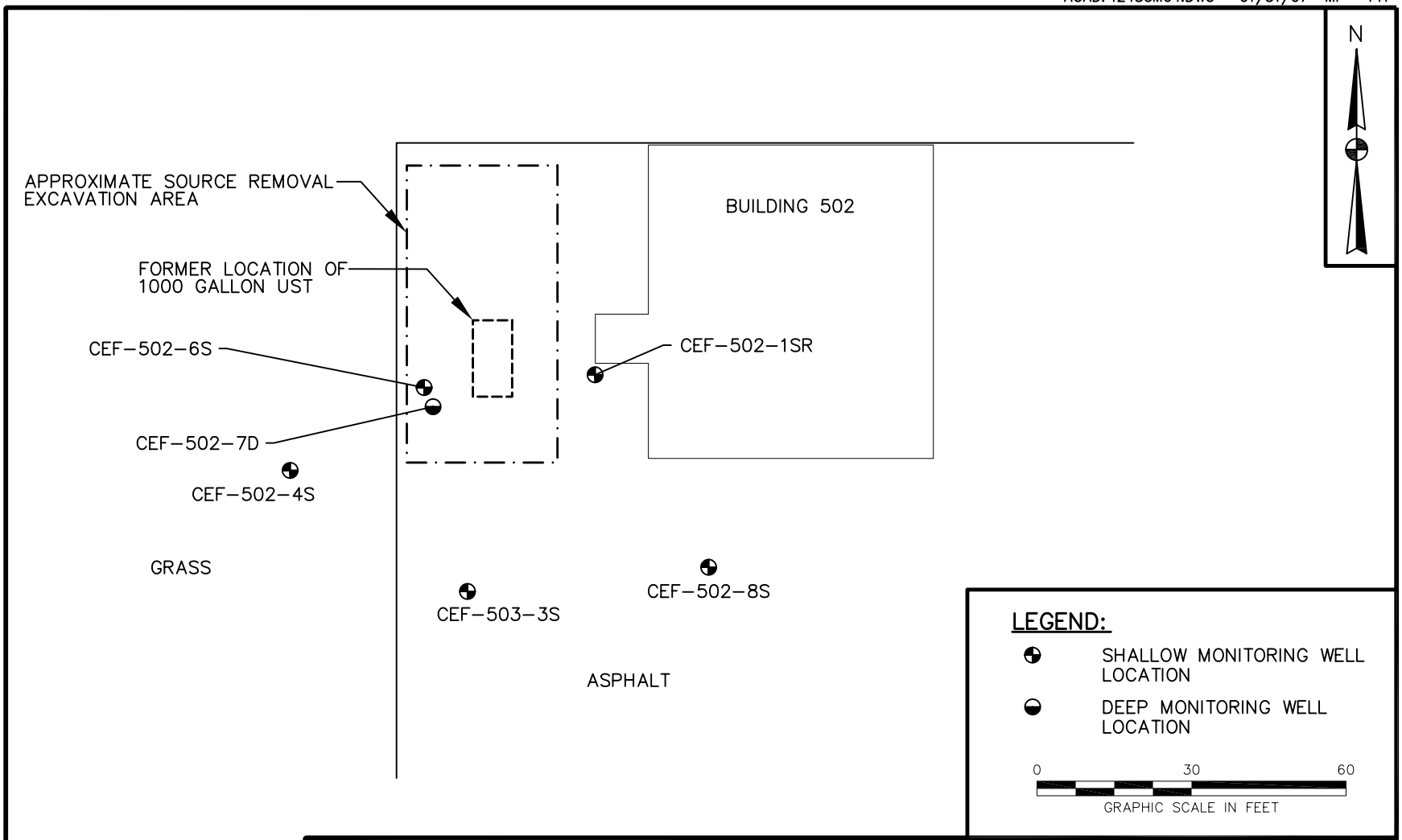
FIGURES



DRAWN BY MJJ	DATE 13Apr07	GENERAL LOCATION MAP BUILDING 502 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

P:\GIS\NAS_CecilField\Bldg0502.apr 13Apr07 MJJ Layout01

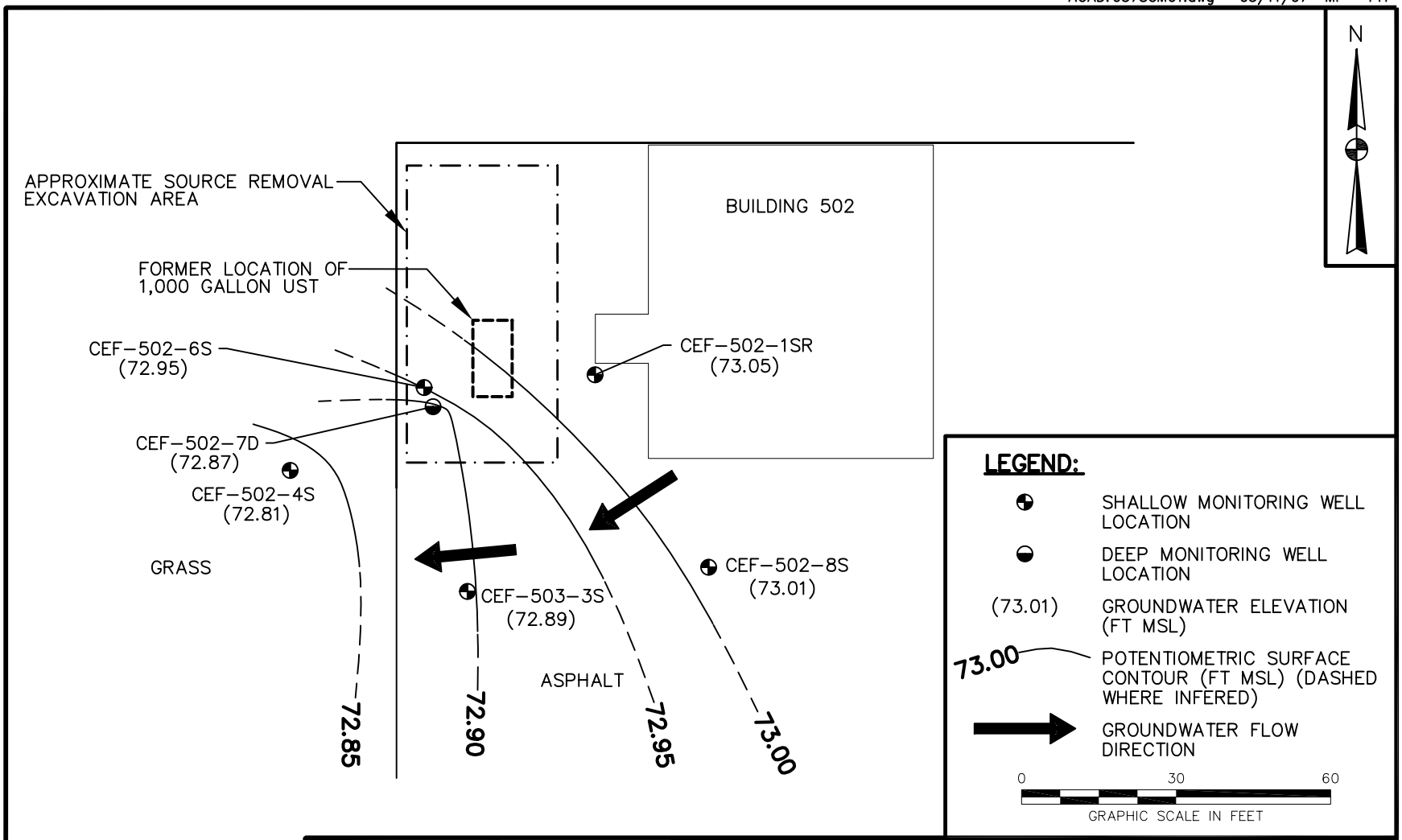
ACAD: 4248CM04.DWG 01/31/07 MF PIT



DRAWN BY MF	DATE 1/31/07	GROUNDWATER MONITORING WELL LOCATIONS BUILDING 502 NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NO. 4248
CHECKED BY	DATE		OWNER NO.
REVISED BY	DATE		APPROVED BY / DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2 / REV. 0

FORM CADD NO. SDIV-AH.DWG – REV 1 – 9/10/98

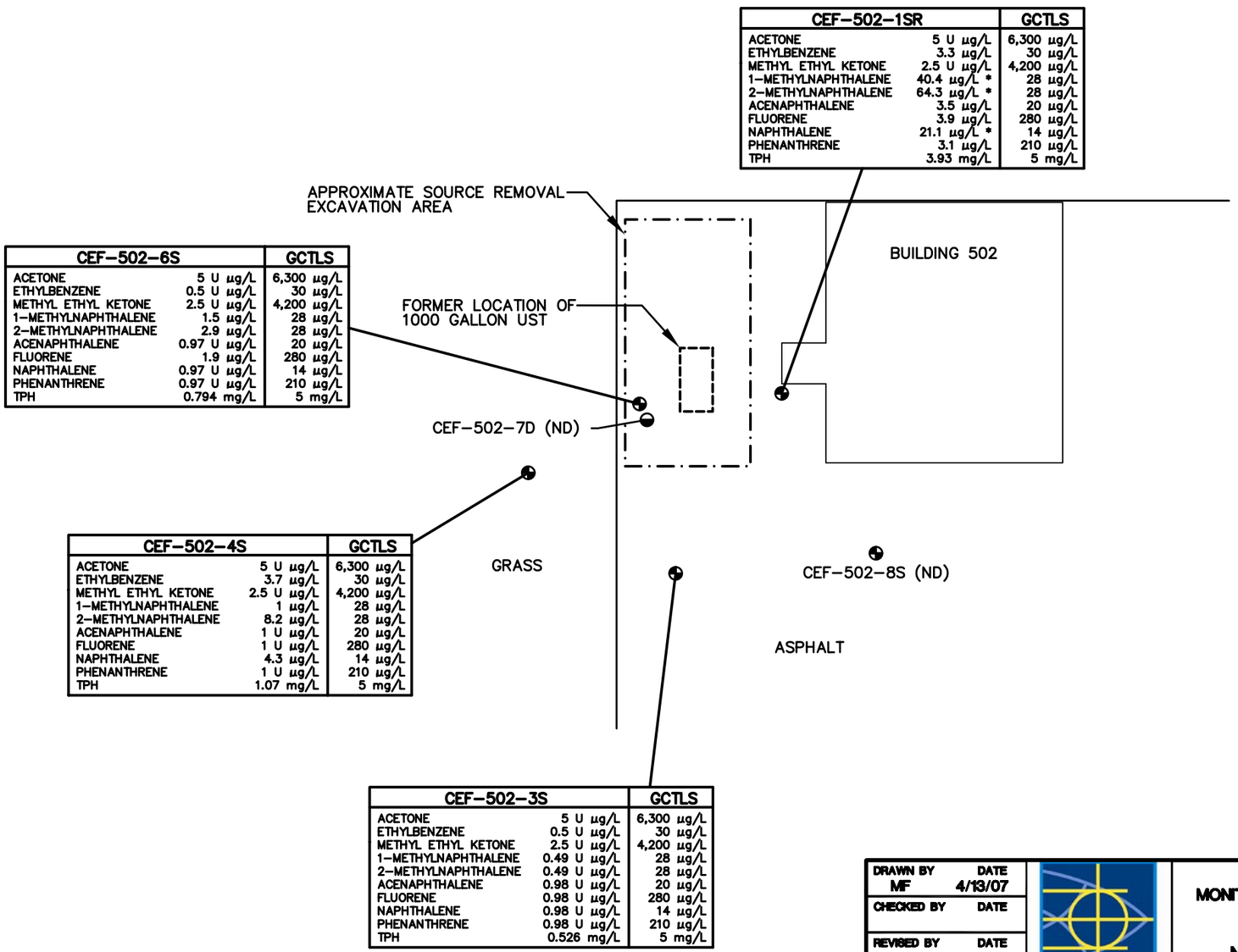
ACAD: 0378CM01.dwg 05/11/07 MF PIT



DRAWN BY MF	DATE 4/13/07	POTENTIOMETRIC SURFACE MAP FEBRUARY 7, 2007 BUILDING 502 NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NO. 0378
CHECKED BY	DATE		OWNER NO.
REVISED BY	DATE		APPROVED BY / DATE
SCALE AS NOTED			DRAWING NO. FIGURE 3 / REV. 0

FORM CADD NO. SDIV-AH.DWG – REV 1 – 9/10/98

ACAD:0378CM02.dwg 05/09/07 DT PIT



CEF-502-1SR		GCTLS
ACETONE	5 U µg/L	6,300 µg/L
ETHYLBENZENE	3.3 µg/L	30 µg/L
METHYL ETHYL KETONE	2.5 U µg/L	4,200 µg/L
1-METHYLNAPHTHALENE	40.4 µg/L *	28 µg/L
2-METHYLNAPHTHALENE	64.3 µg/L *	28 µg/L
ACENAPHTHALENE	3.5 µg/L	20 µg/L
FLUORENE	3.9 µg/L	280 µg/L
NAPHTHALENE	21.1 µg/L *	14 µg/L
PHENANTHRENE	3.1 µg/L	210 µg/L
TPH	3.93 mg/L	5 mg/L

CEF-502-6S		GCTLS
ACETONE	5 U µg/L	6,300 µg/L
ETHYLBENZENE	0.5 U µg/L	30 µg/L
METHYL ETHYL KETONE	2.5 U µg/L	4,200 µg/L
1-METHYLNAPHTHALENE	1.5 µg/L	28 µg/L
2-METHYLNAPHTHALENE	2.9 µg/L	28 µg/L
ACENAPHTHALENE	0.97 U µg/L	20 µg/L
FLUORENE	1.9 µg/L	280 µg/L
NAPHTHALENE	0.97 U µg/L	14 µg/L
PHENANTHRENE	0.97 U µg/L	210 µg/L
TPH	0.794 mg/L	5 mg/L

CEF-502-4S		GCTLS
ACETONE	5 U µg/L	6,300 µg/L
ETHYLBENZENE	3.7 µg/L	30 µg/L
METHYL ETHYL KETONE	2.5 U µg/L	4,200 µg/L
1-METHYLNAPHTHALENE	1 µg/L	28 µg/L
2-METHYLNAPHTHALENE	8.2 µg/L	28 µg/L
ACENAPHTHALENE	1 U µg/L	20 µg/L
FLUORENE	1 U µg/L	280 µg/L
NAPHTHALENE	4.3 µg/L	14 µg/L
PHENANTHRENE	1 U µg/L	210 µg/L
TPH	1.07 mg/L	5 mg/L

CEF-502-3S		GCTLS
ACETONE	5 U µg/L	6,300 µg/L
ETHYLBENZENE	0.5 U µg/L	30 µg/L
METHYL ETHYL KETONE	2.5 U µg/L	4,200 µg/L
1-METHYLNAPHTHALENE	0.49 U µg/L	28 µg/L
2-METHYLNAPHTHALENE	0.49 U µg/L	28 µg/L
ACENAPHTHALENE	0.98 U µg/L	20 µg/L
FLUORENE	0.98 U µg/L	280 µg/L
NAPHTHALENE	0.98 U µg/L	14 µg/L
PHENANTHRENE	0.98 U µg/L	210 µg/L
TPH	0.526 mg/L	5 mg/L

N

LEGEND:

- SHALLOW MONITORING WELL LOCATION
- DEEP MONITORING WELL LOCATION
- µg/L — MICROGRAMS PER LITER
- mg/L — MILLIGRAMS PER LITER
- TPH — TOTAL PETROLEUM HYDROCARBONS
- U — NOT DETECTED ABOVE ASSOCIATED DETECTION LIMITS
- GTCL — GROUNDWATER TARGET CLEAN-UP LEVEL
- * — EXCEEDS TARGET LEVEL

0 30 60
GRAPHIC SCALE IN FEET

DRAWN BY MF	DATE 4/13/07	
CHECKED BY	DATE	
REVISED BY	DATE	
SCALE AS NOTED		

NAVFAC

MONITORING WELL ANALYTICAL RESULTS
FEBRUARY 7, 2007
BUILDING 502
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NO. 0378	
OWNER NO.	
APPROVED BY	DATE
DRAWING NO. FIGURE 4	REV. 0

FORM CADD NO. SDIV-BH.DWG – REV 1 – 9/10/98

ATTACHMENT A

MONITORING PLAN APPROVAL ORDER

Department of Environmental Protection

Jeb Bush
Governor

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

David B. Struhs
Secretary

July 13, 1999

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer
Mr. Bryan Kizer, Code 1842
SOUTHNAVFACENGCOM
Post Office Box 190010
North Charleston, SC 29419-9010

RE: Site Assessment Report and Monitoring Only Proposal for Facility 502, Tank 502, Naval Air Station Cecil Field, Florida.

Dear Mr. Kizer:

I have reviewed the Site Assessment Report Revision and Monitoring Only Proposal for Natural Attenuation dated April 1999 (received April 23, 1999), submitted for this site. Based upon my review and comments, the enclosed Monitoring Only Plan for Natural Attenuation was signed by Mr. John M. Ruddell, Director of the Division of Waste Management.

If I can be of any further assistance with this matter, please contact me at (850) 921-9991.

Sincerely,

Michael J. Deliz

Michael J. Deliz, P.G.
Remedial Project Manager

13-JULY-99
Date

CC: Debbie Vaughn-Wright, USEPA
John Flowe, City of Jacksonville
Scott Glass, SOUTHNAVFACENGCOM
Dave Kruzicki, NAS Cecil Field
Eric Blomberg, HLA - Tallahassee

TJB B JJC BJC ESN BJC Env

Department of
Environmental Protection

Jeb Bush
Governor

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

David B. Struhs
Secretary

July 13, 1999

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer
Mr. Bryan Kizer, Code 1842
SOUTHNAVFACENGCOM
Post Office Box 190010
North Charleston, South Carolina 29419-0068

Subject: Monitoring Only Plan Approval
Order Facility 502, Tank 502,
Naval Air Station, Cecil Field

Dear Mr. Kizer:

The Bureau of Waste Cleanup has completed the review of the Site Assessment Report and Monitoring Only Proposal for Natural Attenuation dated April 1999 (received April 23, 1999), submitted for this site. Pursuant to Rule 62-770.690, Florida Administrative Code (F.A.C.), the Department approves the monitoring only proposal. Pursuant to Rule 62-770.690(7), F.A.C., you are required to complete the monitoring program outlined below. The first sampling event should be performed within 60 days of receipt of this Monitoring Only Plan Approval Order (Order). Water-level measurements should be made immediately prior to each sampling event. The analytical results (laboratory report), chain of custody, cumulative summary table of the analytical results, site map(s) illustrating the most recent analytical results, and the water-level elevation information (cumulative summary table and most recent flow interpretation map), should be submitted to the Department within 60 days of sample collection.

Monitoring Wells	Parameters	Frequency
CEF-502-1S, CEF-502-2S, CEF-502-4S, and CEF-502 5D	602, 8310, and FL-PRo	Semi-annual

If concentrations of chemicals 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 a proposal must be submitted, as described in Rule 62-70.690(7)(f),F.A.C.

Contaminated wells:

CEF-502-1S and CEF-502-2S: 100 µg/l Benzene; 200 µg/l Xylene; 300 µg/l Ethylbenzene; 400 µg/l Toluene; 200 µg/l Naphthalene; and 50 mg/l TRPH.

Perimeter wells:

CEF-502-4S and CEF-502-5D: 1 µg/l Benzene; 20 µg/l Xylene; 30 µg/l Ethylbenzene; 40 µg/l Toluene; 20 µg/l Naphthalene; and 5 mg/l TRPH

The approved Remedial Action by Natural Attenuation monitoring period is 5 years. Milestone objectives should be established if monitoring is projected to take greater than one year. The following are the milestone objectives that will be used for annual evaluation of remediation progress by natural attenuation. An explanation of the progress relative to these milestone objectives, and the need for corrective action (if applicable), should be provided in the annual evaluation:

Benzene	MW-CEF-502-2S
End of year 1	26
End of year 2	13
End of year 3	6
End of year 4	3
End of year 5	<1

Ethylbenzene	MW-CEF-502-2S
End of year 1	60
End of year 2	50
End of year 3	40
End of year 4	30
End of year 5	<30

Xylene	MW-CEF-502-2S
End of year 1	150
End of year 2	100
End of year 3	50
End of year 4	20
End of year 5	<20

Naphthalene	MW-CEF-502-2S
End of year 1	150
End of year 2	100
End of year 3	50
End of year 4	20
End of year 5	<20

TRPH	MW-CEF-502-2S
End of year 1	10
End of year 2	8
End of year 3	6
End of year 4	5
End of year 5	<5

If the applicable No Further Action criteria in Rule 62-70.680, F.A.C., are achieved at the end of the monitoring period, a Site Rehabilitation Completion Report, summarizing the monitoring program and containing documentation supporting the opinion that the cleanup objectives have been achieved, should be submitted as required in Rule 62-770.690(8), F.A.C. If the applicable No Further Action criteria in Rule 62-770.680, F.A.C., are not achieved following one year of monitoring, then a report summarizing the monitoring program should be submitted, including a proposal as described in Rule 62-770.690(7)(g).

Persons affected by this Order have the following options:

If you choose to accept the above decision by the Department 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.

If you disagree with the decision, you may do one of the following:

1. File a petition for administrative hearing with the Office of the General Counsel of the Department within 21 days after receipt of this Order;

OR

2. File a request for an extension of time to file a petition for hearing with the Office of the General Counsel of the Department within 21 days after 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 hearing.

Please be advised that mediation of this decision, pursuant to Section 120.573, Florida Statutes (F.S.), is not available.

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

A request for an extension of time to file a petition for hearing must be filed (received) in the Office of the General Counsel of the Department at 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000, within 21 days after receipt of this Order. Pursuant to Rule 28-106.111(3), F.A.C., a request for extension of time shall contain a certificate that the moving party has consulted with all other parties, if any, concerning the extension and that the Department and any other parties agree to said extension. Petitioner, if different from Commanding Officer, Naval Air Station Cecil Field, shall mail a copy of the petition to from Commanding Officer, Naval Air Station Cecil Field at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for administrative hearing must be filed until the request is acted upon.

How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of the General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, within 21 days after receipt of this Order. Petitioner, if different from Commanding Officer, Naval Air Station Cecil Field, shall mail a copy of the petition to from

Commanding Officer, Naval Air Station Cecil Field 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 Rules 62-103.155 and 28-06.201, F.A.C., a petition for 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 site 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 how and when each petitioner received notice of the Department's action or proposed action;
c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
d) A statement of the material facts disputed by the petitioner, if any;

e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
f) A statement of which rules or statutes petitioner contends requires reversal or modification of the Department's action or proposed action; and
g) A statement of the relief petitioner seeks, stating precisely what petitioner wants the Department to do regarding 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 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 pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of this Order pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Department clerk in the Office of

the General Counsel, 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000. Simultaneously with filing a Notice of Appeal with the Department, petitioner must file a copy of the Notice of Appeal with the applicable filing fees, with the appropriate District Court of Appeal. The Notice of Appeal must be received by the Department clerk within 30 days from the date this Order was signed by the Department clerk (see below).

Questions

Should you have any questions regarding the legal processes, please contact the Office of the General Counsel at (850) 488-9730. Any questions you may have on the technical aspects of this Order should be directed to Michael J. Deliz, P.G. at (850) 921-9991. Contact with any of the above does not constitute a petition for administrative hearing.

Sincerely,

John M. Ruddell, Director
Division of Waste Management

JMR/mjd

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

Minnie L. R Mason 7/15/99
Clerk (or Deputy Clerk Date

ATTACHMENT B

FIELD FORMS

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project / Site: Building 502 - Cecil Field - CTO 025
Project No.: 112G00378

Sample ID No.: CEF-502-1SR-~~0207~~ 2007
Sample Location: CEF-502-1SR

[X] Monitoring Well
[ ] Domestic Well
[ ] Other:

Sampler: S. McGuire

SAMPLING DATA

Date: 2/7/07 Time: 1340	Color	pH S.U.	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	SAL (PPT)
Method: Peristaltic	clear	5.61	0.111	23.05	16.2	0.17	11.9	0.06

PURGE DATA

Date:	2/7/07
Method:	Peristaltic
Monitor Reading (ppm):	0
Well Casing Diameter:	2"
Well Casing Material:	PVC
Total Well Depth (ft):	12.35
Static Water Level (ft):	9.11
One Screen Volume(gal/L):	6.2
Start Purge (hrs):	1240
End Purge (hrs):	1335
Total Purge Time (min):	55
Total Vol. Purged (gal/L):	11.0

See Attached Low Flow Purge Data Sheet for Purge Data

SAMPLE COLLECTION INFORMATION

Analysis		Preservative	Container Requirements	Laboratory	Collected
				Acutest	
VOCs	8260B	HCL	3 - 40 ml vials	~~ENCO~~	✓
PAHs	8310		2-1 l Amber	~~ENCO~~	✓
1- and 2 -methylnapthalene					
TRPH	FL-PRO		2-1 l Amber		✓

OBSERVATIONS / NOTES

12.35 - 9.11 = 3.39 × 0.16 = 0.546 = 2.05 l × 3 = 6.15 l × 5 = 10.25 l

Duo1 Collected

LAB INFO

LAB: ~~ENCO~~
~~4810 Executive Park Court~~
~~Suite 211~~
~~Jacksonville, FL 32210~~

COC #: 1387

Check if Collected:

☐ MS / MSD

☑ DUPLICATE / ID No.: CEF-502-DU01-02072007

Signature(s): Scott R. McGuire

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Cecil Field - CTO 25
PROJECT NUMBER: Building 502

WELL ID.: MW-CEF-502-1SR
DATE: ~~2/8/07~~ 2/7/07

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
1240	9.11	200								
1250	9.35	200 2	5.62	0.127	96.8	0.39	22.90	60.4	0.06	
1300	9.35	200 4	5.62	0.127	71.4	0.31	22.98	31.7	0.06	
1310	9.35	200 6	5.63	0.122	66.7	0.23	23.01	18.7	0.06	
1320	9.35	200 8	5.63	0.118	31.2	0.21	23.00	16.6	0.06	
1330	9.35	200 10	5.62	0.115	20.4	0.19	23.02	14.2	0.06	
1335	9.35	200 11	5.61	0.111	16.2	0.17	23.05	11.9	0.06	
1340	Sample Collected.									

SIGNATURE(S): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project / Site: Building 502 - Cecil Field - CTO 025
Project No.: 112G00378

Sample ID No.: CEF-502-3S-0207 2007
Sample Location: CEF-502-3S

[X] Monitoring Well
[ ] Domestic Well
[ ] Other:

Sampler: S. McGuire

SAMPLING DATA

Date: 2/7/07 Time: 1005 Method: Peristaltic	Color	pH S.U.	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	Sal
	Clear	5.29	0.085	22.85	9.21	0.63	134.7	0.03

PURGE DATA

Date:	2/7/07
Method:	Peristaltic
Monitor Reading (ppm):	0
Well Casing Diameter:	2"
Well Casing Material:	PVC
Total Well Depth (ft):	13.0
Static Water Level (ft):	7.97
One Screen Volume(gal/L):	6.2
Start Purge (hrs):	0910
End Purge (hrs):	1000
Total Purge Time (min):	50
Total Vol. Purged (gal/L):	10.0

See Attached Low Flow Purge Data Sheet for Purge Data

SAMPLE COLLECTION INFORMATION

Analysis		Preservative	Container Requirements	Laboratory	Collected
				Accutest	
VOCs	8260B	HCL	3 - 40 ml vials	~~ENCO~~	✓
PAHs	8310		2-1 l Ambers	~~ENCO~~	✓
1- and 2 -methylnapthalene					
TRPH	FL-PRO	HCL	2-1 l Ambers		✓

OBSERVATIONS / NOTES

13 - 7.97 = 5.03 × 0.16 = 0.80G = 3.04 l × 3 = 9.13 l × 5 = 15.2 l

LAB INFO

LAB: ~~ENCO~~
~~4810 Executive Park Court~~
~~Suite 211~~
~~Jacksonville, FL 32216~~

COC #: 1387

Check if Collected:

☐ MS / MSD ☐ DUPLICATE / ID No.:

Signature(s): Scott R. McGuire

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Cecil Field - CTO 25
PROJECT NUMBER: Building 502

WELL ID.: MW-CEF-502-3S
DATE: ~~2/8/07~~ 2/7/07

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity ~~%~~ or ppt	Comments
0910	7.97	200								
0920	7.97	200	5.46	0.228	21.5	0.66	22.42	347.2	0.03	
0930	7.97	200	5.24	0.047	19.6	0.44	22.87	248.4	0.02	
0940	7.97	200	5.29	0.071	11.2	0.41	22.82	147.1	0.03	
0950	7.97	200	5.30	0.071	9.6	0.41	22.83	141.8	0.03	
1000	7.97	200	5.29	0.085	9.21	0.63	22.85	134.7	0.03	
1005	Sample Collected									

SIGNATURE(S): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project / Site: Building 502 - Cecil Field - CTO 025
Project No.: 112G00378

Sample ID No.: CEF-502-4S
Sample Location: CEF-502-4S

[X] Monitoring Well
[ ] Domestic Well
[ ] Other:

Sampler: S. McGuire

SAMPLING DATA

Date: 2/7/07 Time: 1630	Color	pH S.U.	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	SAL (PPT)
Method: Peristaltic	Brn	6.02	0.101	21.73	137	2.61	121.3	0.05

PURGE DATA

Date:	2/7/07
Method:	Peristaltic
Monitor Reading (ppm):	0
Well Casing Diameter:	2"
Well Casing Material:	PVC
Total Well Depth (ft):	12.2
Static Water Level (ft):	7.87
One Screen Volume(gal/L):	6.2
Start Purge (hrs):	1025
End Purge (hrs):	1040
Total Purge Time (min):	15
Total Vol. Purged (gal/L):	6.0

See Attached Low Flow Purge Data Sheet for Purge Data

SAMPLE COLLECTION INFORMATION

Analysis		Preservative	Container Requirements	Laboratory	Collected
				Accutest	
VOCs	8260B	HCL	3 - 40 ml vials	~~ENCO~~	✓
PAHs	8310		1 2-1l Amber	~~ENCO~~	✓
1- and 2 -methylnapthalene			SRM		
TRPH	FL-PRO	HCL	1 2-1l Amber		✓

OBSERVATIONS / NOTES

1040: Well purged dry. Will let stand to recharge and collect sample.

1630: Well purged dry while collecting sample. 3 vials filled, 1-PAH, 3/4 of FL-Pro amber.

LAB INFO

LAB: ~~ENCO~~
~~4810 Executive Park Court~~
~~Suite 211~~
~~Jacksonville, FL 32216~~

COC #: 1387

Check if Collected:

☐ MS / MSD ☐ DUPLICATE / ID No.:

Signature(s): Scott R. McGuire

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Cecil Field - CTO 25
PROJECT NUMBER: Building 502

WELL ID.: MW-CEF-502-4S
DATE: ~~2/8/07~~ 2/7/07

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
1025	7.87	300								
1035	11.4	300	6.05	0.102	968	2.82	21.44	127.3	0.05	
1040	11.96	300	6.02	0.101	1002	2.61	21.73	121.3	0.05	Well Purged Dry
1625	9.71				620					Purged Dry
										3 VOC's, 1 PAH/8310
										3/4 bottle for FL-PRO

SIGNATURE(S): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project / Site: Building 502 - Cecil Field - CTO 025
Project No.: 112G00378

Sample ID No.: CEF-502-6S -0207 2007
Sample Location: CEF-502-6S

[X] Monitoring Well
[ ] Domestic Well
[ ] Other:

Sampler: S. McGuire

SAMPLING DATA

Date: 2/7/07 Time: 1130 Method: Peristaltic	Color	pH S.U.	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	SAL (PPT)
	Clear	6.23	0.160	22.73	6.66	0.24	8.0	0.08

PURGE DATA

Date:	2/7/07
Method:	Peristaltic
Monitor Reading (ppm):	0
Well Casing Diameter:	2"
Well Casing Material:	PVC
Total Well Depth (ft):	14.8
Static Water Level (ft):	8.75
One Screen Volume(gal/L):	6.2
Start Purge (hrs):	1045
End Purge (hrs):	1125
Total Purge Time (min):	40
Total Vol. Purged (gal/L):	12.0

See Attached Low Flow Purge Data Sheet for Purge Data

SAMPLE COLLECTION INFORMATION

Analysis		Preservative	Container Requirements	Laboratory	Collected
				Accutest	
VOCs	8260B	HCL	3 - 40 ml vials	~~ENCO~~	✓
PAHs	8310		2-1 l Amber	~~ENCO~~	✓
1- and 2 -methylnapthalene					
TRPH	FL-PRO	HCL	2-1 l Amber		✓

OBSERVATIONS / NOTES

14.8 - 8.75 = 6.05 × 0.16 = 0.9686 = 3.66 l × 3 = 10.9 l × 5 = 18.3 l

LAB INFO

LAB: ~~ENCO~~
~~4810 Executive Park Court~~
~~Suite 211~~
~~Jacksonville, FL 32216~~

COC #: 1387

Check if Collected:

☐ MS / MSD ☐ DUPLICATE / ID No.:

Signature(s): Scott R. McGuire

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Cecil Field - CTO 25
PROJECT NUMBER: Building 502

WELL ID.: MW-CEF-502-6S
DATE: ~~2/8/07~~ 2/7/07

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
1045	8.75	300								
1055	9.11	300 3	6.26	0.218	26.2	0.41	22.39	47.6	0.11	
1105	9.11	300 6	6.26	0.208	18.9	0.36	22.37	34.0	0.10	
1115	9.11	300 9	6.24	0.182	10.47	0.69	22.35	18.8	0.09	
1125	9.11	300 12	6.23	0.160	6.66	0.24	22.37	8.0	0.08	
1130	Sample Collected									

SIGNATURE(S): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project / Site: Building 502 - Cecil Field - CTO 025
Project No.: 112G00378

Sample ID No.: CEF-502-78 D-0207
Sample Location: CEF-502-78 D
Sampler: S. McGuire

[X] Monitoring Well
[ ] Domestic Well
[ ] Other:

SAMPLING DATA

Date: 2/7/07 Time: 1230 Method: Peristaltic	Color	pH S.U.	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	SAL (PPT)
	Clear	5.66	0.105	23.36	1.06	0.37	70.2	0.05

PURGE DATA

Date:	2/7/07
Method:	Peristaltic
Monitor Reading (ppm):	0
Well Casing Diameter:	2"
Well Casing Material:	PVC
Total Well Depth (ft):	30.0
Static Water Level (ft):	8.78
One Screen Volume(gal/L):	3.2
Start Purge (hrs):	1145
End Purge (hrs):	1225
Total Purge Time (min):	40
Total Vol. Purged (gal/L):	12.0

See Attached Low Flow Purge Data Sheet for Purge Data

SAMPLE COLLECTION INFORMATION

Analysis		Preservative	Container Requirements	Laboratory	Collected
				Accutest	
VOCs	8260B	HCL	3 - 40 ml vials	~~ENCO~~	✓
PAHs	8310		2-1 l Amber	~~ENCO~~	✓
1- and 2 -methylnapthalene					
TRPH	FL-PRO	HCL	2-1 l Amber		✓

OBSERVATIONS / NOTES

5' Screen

LAB INFO

LAB: ~~ENCO~~
~~4810 Executive Park Court~~
~~Suite 211~~
~~Jacksonville, FL 32216~~
COC #: 1387

Check if Collected:

☐ MS / MSD ☐ DUPLICATE / ID No.:

Signature(s): Scott R. McGuire

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Cecil Field - CTO 25
PROJECT NUMBER: Building 502

WELL ID.: MW-CEF-502-7D
DATE: ~~2/8/07~~ 2/7/07

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
1145	8.78	300								
1155	9.59	300 3	5.80	0.106	6.01	1.01	23.05	68.9	0.05	
1205	9.59	300 6	5.68	0.108	4.12	0.85	23.39	73.0	0.05	
1215	9.59	300 9	5.67	0.107	3.91	0.54	23.38	74.5	0.05	
1225	9.59	300 12	5.66	0.105	1.06	0.37	23.36	70.2	0.05	
1230	Sample Collected									

SIGNATURE(S): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project / Site: Building 502 - Cecil Field - CTO 025
Project No.: 112G00378

Sample ID No.: CEF-502-8S-0207
Sample Location: CEF-502-8S

[X] Monitoring Well
[ ] Domestic Well
[ ] Other:

Sampler: S. McGuire

SAMPLING DATA

Date: 2/7/07 Time: 1515	Color	pH S.U.	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	SAL (PPT)
Method: Peristaltic	Clear	4.72	0.072	23.81	8.41	0.96	267.3	0.04

PURGE DATA

Date:	2/7/07
Method:	Peristaltic
Monitor Reading (ppm):	0
Well Casing Diameter:	2"
Well Casing Material:	PVC
Total Well Depth (ft):	13.4
Static Water Level (ft):	8.74
One Screen Volume(gal/L):	
Start Purge (hrs):	1420
End Purge (hrs):	
Total Purge Time (min):	
Total Vol. Purged (gal/L):	

See Attached Low Flow Purge Data Sheet for Purge Data

SAMPLE COLLECTION INFORMATION

Analysis		Preservative	Container Requirements	Laboratory	Collected
				Accutest	
VOCs	8260B	HCL	3 - 40 ml vials	~~ENCO~~	✓
PAHs	8310		2-1 l Amber	~~ENCO~~	✓
1- and 2 -methylnapthalene					
TRPH	FL-PRO		2-1 l Amber		✓

OBSERVATIONS / NOTES

13.4 - 8.74 = 4.66 × 0.16 = 0.746 = 2.82 l × 3 = 8.46 l × 5 = 14.1 l

LAB INFO

LAB: ~~ENCO~~
~~4810 Executive Park Court~~
~~Suite 211~~
~~Jacksonville, FL 32216~~

COC #: 1387

Check if Collected:

☐ MS / MSD ☐ DUPLICATE / ID No.:

Signature(s): Scott R. McGuire

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Cecil Field - CTO 25
PROJECT NUMBER: Building 502

WELL ID.: MW-CEF-502-8S
DATE: ~~2/8/07~~ 2/7/07

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
1420	8.74	200								
1430	8.83	200 2	4.88	0.087	38.1	1.71	24.10	328.7	0.04	
1440	8.83	200 4	4.74	0.082	18.2	1.16	23.88	339.0	0.04	
1450	8.83	200 6	4.73	0.080	11.41	1.10	23.86	334.2	0.04	
1500	8.83	200 8	4.73	0.076	11.2	1.01	23.84	301.6	0.04	
1510	8.83	200 10	4.72	0.072	8.41	0.96	23.81	267.3	0.04	
1515	Sample collected									

SIGNATURE(S): Scott R. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

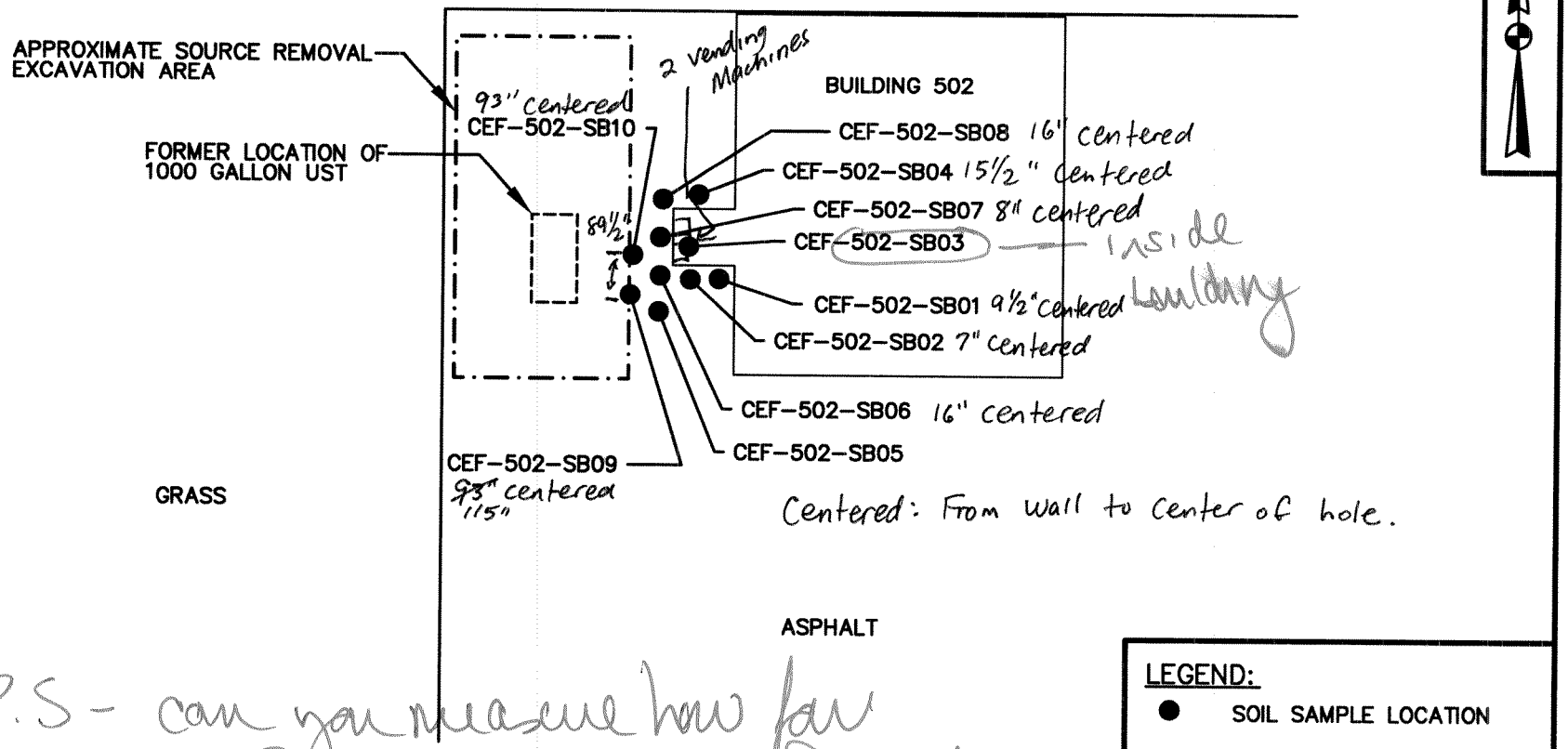
Project Name: Cecil Field - CTO 25
Project No.: 112G00378
Location: Building 502
Personnel: S. McGuire
Weather Conditions: 65° Mostly Sunny
Measuring Device: WLI (HERON)
Tidally Influenced: Yes ___ No ✓
Remarks:

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
502-1SR	2/7/07	0850		12.35	9.11			
502-3S	2/7/07	0852		13.0	7.79			
502-4S	2/7/07	0854		12.2	7.87			
502-6S	2/7/07	0857		14.8	8.75			
502-7D	2/7/07	0846		30.0	8.78			
502-8S	2/7/07	0900		13.4	8.74			

* All measurements to the nearest 0.01 foot

- Please GPS these SBs -
- Just look for CORINGS + adjust the figure if needed.

ACAD: 4248CM05.DWG 01/31/07 MF PIT



P.S - can you measure how far SB07 + SB06 are from the bldg?

LEGEND:
● SOIL SAMPLE LOCATION
0 30 60
GRAPHIC SCALE IN FEET

DRAWN BY MF	DATE 1/31/07	SOIL BORING LOCATIONS BUILDING 502, TANK 502 NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NO. 4248
CHECKED BY	DATE		OWNER NO.
REVISED BY	DATE		APPROVED BY / DATE
SCALE AS NOTED		NAVFAC	DRAWING NO. FIGURE 3-1 / REV. 0

FORM CADD NO. SDIV-AH.DWG - REV 1 - 9/10/98

TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER 4521

PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00378	BIDG 502	Kora Wimble	(904) 636-6125	Accutest
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Scott R. McGuire		Scott McGuire	(813) 434-6382	4405 Vineland Rd Suite C-15
		CARRIER/WAYBILL NUMBER		CITY, STATE
				Orlando, FL 32811

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

DATE YEAR 2007	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	82608	PAH 8310 1-2-methylnaphthalene	TRPH FL-PRO						COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	G						
PRESERVATIVE USED										HCl	HNO4						
2/7	1340	CEF-502-1SR-02072007				GW	G	7	3	2	2						Cool To 4°C
	1005	CEF-502-3S-02072007						7	3	2	2						
	1630	CEF-502-4S-02072007						5	3	1	1						
	1130	CEF-502-6S-02072007						7	3	2	2						
	1230	CEF-502-7D-02072007						7	3	2	2						
	1515	CEF-502-8S-02072007				GW		7	3	2	2						
	0000	CEF-502-DUP1-02072007				QC		7	3	2	2						
2/7	1730	CEF-502-EB01-02072007				QC	G	7	3	2	2						

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY Scott R. McGuire	2/8/07	0700	1. RECEIVED BY Luis Alse	02/08/07	2:05 PM
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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

4/02R
FORM NO. TtNUS-001

ATTACHMENT C

GROUNDWATER ANALYTICAL REPORT

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

02/28/07

Technical Report for

Tetra Tech NUS

Bldg. 502, NASCF; CTO 209

112G00378, WR#1015024

Accutest Job Number: F47081

Sampling Date: 02/07/07

Report to:

Tetra-Tech,Inc.
661 Anderson Drive
Foster Plaza 7
Pittsburgh, PA 15220

ATTN: Amy Thomson

Total number of pages in report: **437**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

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Accutest Laboratories

Sample Summary

Tetra Tech NUS

Job No: F47081

Bldg. 502, NASCF; CTO 209
Project No: 112G00378, WR#1015024

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F47081-1	02/07/07	13:40	3.0	02/09/07	AQ	Ground Water	CEF-502-15R-02072007
F47081-2	02/07/07	10:05	3.0	02/09/07	AQ	Ground Water	CEF-502-3S-02072007
F47081-3	02/07/07	16:30	3.0	02/09/07	AQ	Ground Water	CEF-502-4S-02072007
F47081-4	02/07/07	11:30	3.0	02/09/07	AQ	Ground Water	CEF-502-6S-02072007
F47081-5	02/07/07	12:30	3.0	02/09/07	AQ	Ground Water	CEF-502-7D-02072007
F47081-6	02/07/07	15:15	3.0	02/09/07	AQ	Ground Water	CEF-502-8S-02072007
F47081-7	02/07/07	00:00	3.0	02/09/07	AQ	Ground Water	CEF-502-DU01-02072007
F47081-8	02/07/07	17:30	3.0	02/09/07	AQ	Equipment Blank	CEF-502-EB01-02072007

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Tetra Tech NUS **Job No:** F47081

Site: Bldg. 502, NASCF; CTO 209 **Report Date** 2/28/2007 2:27:45 PM

8 Samples were collected on 02/07/2007 and were received at Accutest on 02/09/2007 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of F47081. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VM745

All samples were analyzed within the recommended method holding time.

Sample(s) F47149-1MS, F47149-1MSD were used as the QC samples indicated.

Sample(s) F47081-8 have compound(s) reported with a “V” qualifier, indicating analyte is found in the associated method blank.

Matrix: AQ **Batch ID:** VM746

All samples were analyzed within the recommended method holding time.

Sample(s) F47081-7MS, F47081-7MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** VN725

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F47019-1MS, F47019-1MSD were used as the QC samples indicated.

Extractables by GC By Method FLORIDA-PRO

Matrix: AQ **Batch ID:** OP19488

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F47028-1MS, F47028-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8310

Matrix: AQ **Batch ID:** OP19508

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F47081-5MS, F47081-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F47081-7: All hits confirmed by spectral match using a diode array detector.

F47081-1: All hits confirmed by spectral match using a diode array detector.

F47081-3: All hits confirmed by spectral match using a diode array detector.

F47081-4: All hits confirmed by spectral match using a diode array detector.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision,

accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

_____ Date: February 28, 2007

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-15R-02072007		
Lab Sample ID:	F47081-1	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0017077.D	1	02/12/07	CS	n/a	n/a	VN725
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.0 U	25	5.0	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.40 U	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	3.3	1.0	0.50	ug/l	
591-78-6	2-Hexanone	2.5 U	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	2.5 U	5.0	2.5	ug/l	
74-83-9	Methyl bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl chloride	1.0 U	2.0	1.0	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.5 U	5.0	2.5	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.40 U	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-502-15R-02072007		
Lab Sample ID:	F47081-1	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	90%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-15R-02072007		
Lab Sample ID:	F47081-1	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE046255.D	1	02/19/07	MRE	02/14/07	OP19508	GEE1733
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	3.5	3.9	0.98	ug/l	I
208-96-8	Acenaphthylene	0.98 U	3.9	0.98	ug/l	
120-12-7	Anthracene	0.98 U	2.0	0.98	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.20	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.098 U	0.20	0.098	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.20	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.098 U	0.20	0.098	ug/l	
207-08-9	Benzo(k)fluoranthene	0.098 U	0.20	0.098	ug/l	
218-01-9	Chrysene	0.98 U	2.0	0.98	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.20	0.049	ug/l	
206-44-0	Fluoranthene	0.49 U	2.0	0.49	ug/l	
86-73-7	Fluorene	3.9	2.0	0.98	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.20	0.049	ug/l	
91-20-3	Naphthalene	21.1	2.0	0.98	ug/l	
90-12-0	1-Methylnaphthalene	40.4	2.0	0.49	ug/l	
91-57-6	2-Methylnaphthalene	64.3	2.0	0.49	ug/l	
85-01-8	Phenanthrene	3.1	2.0	0.98	ug/l	
129-00-0	Pyrene	0.49 U	2.0	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	120%		43-121%
92-94-4	p-Terphenyl	70%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-15R-02072007		
Lab Sample ID:	F47081-1	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ36976.D	5	02/14/07	FS	02/13/07	OP19488	GIJ1544
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	3.93	1.2	0.84	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-3S-02072007		
Lab Sample ID:	F47081-2	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0017078.D	1	02/12/07	CS	n/a	n/a	VN725
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.0 U	25	5.0	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.40 U	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
591-78-6	2-Hexanone	2.5 U	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	2.5 U	5.0	2.5	ug/l	
74-83-9	Methyl bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl chloride	1.0 U	2.0	1.0	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.5 U	5.0	2.5	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.40 U	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-502-3S-02072007		
Lab Sample ID:	F47081-2	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	114%		76-127%
2037-26-5	Toluene-D8	90%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-3S-02072007		
Lab Sample ID:	F47081-2	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE046256.D	1	02/19/07	MRE	02/14/07	OP19508	GEE1733
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.98 U	3.9	0.98	ug/l	
208-96-8	Acenaphthylene	0.98 U	3.9	0.98	ug/l	
120-12-7	Anthracene	0.98 U	2.0	0.98	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.20	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.098 U	0.20	0.098	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.20	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.098 U	0.20	0.098	ug/l	
207-08-9	Benzo(k)fluoranthene	0.098 U	0.20	0.098	ug/l	
218-01-9	Chrysene	0.98 U	2.0	0.98	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.20	0.049	ug/l	
206-44-0	Fluoranthene	0.49 U	2.0	0.49	ug/l	
86-73-7	Fluorene	0.98 U	2.0	0.98	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.20	0.049	ug/l	
91-20-3	Naphthalene	0.98 U	2.0	0.98	ug/l	
90-12-0	1-Methylnaphthalene	0.49 U	2.0	0.49	ug/l	
91-57-6	2-Methylnaphthalene	0.49 U	2.0	0.49	ug/l	
85-01-8	Phenanthrene	0.98 U	2.0	0.98	ug/l	
129-00-0	Pyrene	0.49 U	2.0	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		43-121%
92-94-4	p-Terphenyl	71%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-3S-02072007		
Lab Sample ID:	F47081-2	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ36977.D	1	02/14/07	FS	02/13/07	OP19488	GIJ1544
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.526	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-4S-02072007		
Lab Sample ID:	F47081-3	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0017079.D	1	02/12/07	CS	n/a	n/a	VN725
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.0 U	25	5.0	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.40 U	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	3.7	1.0	0.50	ug/l	
591-78-6	2-Hexanone	2.5 U	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	2.5 U	5.0	2.5	ug/l	
74-83-9	Methyl bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl chloride	1.0 U	2.0	1.0	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.5 U	5.0	2.5	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.40 U	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-502-4S-02072007		
Lab Sample ID:	F47081-3	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	112%		76-127%
2037-26-5	Toluene-D8	91%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-4S-02072007		
Lab Sample ID:	F47081-3	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE046257.D	1	02/19/07	MRE	02/14/07	OP19508	GEE1733
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	1.0 U	4.2	1.0	ug/l	
208-96-8	Acenaphthylene	1.0 U	4.2	1.0	ug/l	
120-12-7	Anthracene	1.0 U	2.1	1.0	ug/l	
56-55-3	Benzo(a)anthracene	0.052 U	0.21	0.052	ug/l	
50-32-8	Benzo(a)pyrene	0.10 U	0.21	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	0.052 U	0.21	0.052	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.10 U	0.21	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	0.10 U	0.21	0.10	ug/l	
218-01-9	Chrysene	1.0 U	2.1	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.052 U	0.21	0.052	ug/l	
206-44-0	Fluoranthene	0.52 U	2.1	0.52	ug/l	
86-73-7	Fluorene	1.0 U	2.1	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.052 U	0.21	0.052	ug/l	
91-20-3	Naphthalene	4.3	2.1	1.0	ug/l	
90-12-0	1-Methylnaphthalene	1.0	2.1	0.52	ug/l	I
91-57-6	2-Methylnaphthalene	8.2	2.1	0.52	ug/l	
85-01-8	Phenanthrene	1.0 U	2.1	1.0	ug/l	
129-00-0	Pyrene	0.52 U	2.1	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		43-121%
92-94-4	p-Terphenyl	70%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-4S-02072007		
Lab Sample ID:	F47081-3	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP69954.D	1	02/14/07	FS	02/13/07	OP19488	GOP1856
Run #2							

	Initial Volume	Final Volume
Run #1	770 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	1.07	0.32	0.22	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	43%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-6S-02072007		
Lab Sample ID:	F47081-4	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0017080.D	1	02/12/07	CS	n/a	n/a	VN725
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.0 U	25	5.0	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.40 U	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
591-78-6	2-Hexanone	2.5 U	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	2.5 U	5.0	2.5	ug/l	
74-83-9	Methyl bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl chloride	1.0 U	2.0	1.0	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.5 U	5.0	2.5	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.40 U	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-502-6S-02072007		
Lab Sample ID:	F47081-4	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	90%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-6S-02072007		
Lab Sample ID:	F47081-4	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE046258.D	1	02/19/07	MRE	02/14/07	OP19508	GEE1733
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.97 U	3.9	0.97	ug/l	
208-96-8	Acenaphthylene	0.97 U	3.9	0.97	ug/l	
120-12-7	Anthracene	0.97 U	1.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.097 U	0.19	0.097	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.097 U	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	0.097 U	0.19	0.097	ug/l	
218-01-9	Chrysene	0.97 U	1.9	0.97	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.19	0.049	ug/l	
206-44-0	Fluoranthene	0.49 U	1.9	0.49	ug/l	
86-73-7	Fluorene	1.9	1.9	0.97	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.19	0.049	ug/l	
91-20-3	Naphthalene	0.97 U	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	1.5	1.9	0.49	ug/l	I
91-57-6	2-Methylnaphthalene	2.9	1.9	0.49	ug/l	
85-01-8	Phenanthrene	0.97 U	1.9	0.97	ug/l	
129-00-0	Pyrene	0.49 U	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		43-121%
92-94-4	p-Terphenyl	54%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-6S-02072007		
Lab Sample ID:	F47081-4	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP69955.D	1	02/14/07	FS	02/13/07	OP19488	GOP1856
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.794	0.24	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-7D-02072007		
Lab Sample ID:	F47081-5	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0017081.D	1	02/12/07	CS	n/a	n/a	VN725
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.0 U	25	5.0	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.40 U	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
591-78-6	2-Hexanone	2.5 U	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	2.5 U	5.0	2.5	ug/l	
74-83-9	Methyl bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl chloride	1.0 U	2.0	1.0	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.5 U	5.0	2.5	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.40 U	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-502-7D-02072007		
Lab Sample ID:	F47081-5	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	90%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-7D-02072007		
Lab Sample ID:	F47081-5	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE046259.D	1	02/19/07	MRE	02/14/07	OP19508	GEE1733
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.99 U	4.0	0.99	ug/l	
208-96-8	Acenaphthylene	0.99 U	4.0	0.99	ug/l	
120-12-7	Anthracene	0.99 U	2.0	0.99	ug/l	
56-55-3	Benzo(a)anthracene	0.050 U	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	0.099 U	0.20	0.099	ug/l	
205-99-2	Benzo(b)fluoranthene	0.050 U	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.099 U	0.20	0.099	ug/l	
207-08-9	Benzo(k)fluoranthene	0.099 U	0.20	0.099	ug/l	
218-01-9	Chrysene	0.99 U	2.0	0.99	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.050 U	0.20	0.050	ug/l	
206-44-0	Fluoranthene	0.50 U	2.0	0.50	ug/l	
86-73-7	Fluorene	0.99 U	2.0	0.99	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.050 U	0.20	0.050	ug/l	
91-20-3	Naphthalene	0.99 U	2.0	0.99	ug/l	
90-12-0	1-Methylnaphthalene	0.50 U	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	0.50 U	2.0	0.50	ug/l	
85-01-8	Phenanthrene	0.99 U	2.0	0.99	ug/l	
129-00-0	Pyrene	0.50 U	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		43-121%
92-94-4	p-Terphenyl	72%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-7D-02072007		
Lab Sample ID:	F47081-5	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP69956.D	1	02/14/07	FS	02/13/07	OP19488	GOP1856
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-8S-02072007		
Lab Sample ID:	F47081-6	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0017082.D	1	02/12/07	CS	n/a	n/a	VN725
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.0 U	25	5.0	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.40 U	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
591-78-6	2-Hexanone	2.5 U	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	2.5 U	5.0	2.5	ug/l	
74-83-9	Methyl bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl chloride	1.0 U	2.0	1.0	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.5 U	5.0	2.5	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.40 U	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-502-8S-02072007		
Lab Sample ID:	F47081-6	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	89%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-8S-02072007		
Lab Sample ID:	F47081-6	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE046262.D	1	02/19/07	MRE	02/14/07	OP19508	GEE1733
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.98 U	3.9	0.98	ug/l	
208-96-8	Acenaphthylene	0.98 U	3.9	0.98	ug/l	
120-12-7	Anthracene	0.98 U	2.0	0.98	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.20	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.098 U	0.20	0.098	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.20	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.098 U	0.20	0.098	ug/l	
207-08-9	Benzo(k)fluoranthene	0.098 U	0.20	0.098	ug/l	
218-01-9	Chrysene	0.98 U	2.0	0.98	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.20	0.049	ug/l	
206-44-0	Fluoranthene	0.49 U	2.0	0.49	ug/l	
86-73-7	Fluorene	0.98 U	2.0	0.98	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.20	0.049	ug/l	
91-20-3	Naphthalene	0.98 U	2.0	0.98	ug/l	
90-12-0	1-Methylnaphthalene	0.49 U	2.0	0.49	ug/l	
91-57-6	2-Methylnaphthalene	0.49 U	2.0	0.49	ug/l	
85-01-8	Phenanthrene	0.98 U	2.0	0.98	ug/l	
129-00-0	Pyrene	0.49 U	2.0	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		43-121%
92-94-4	p-Terphenyl	87%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-8S-02072007		
Lab Sample ID:	F47081-6	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP69959.D	1	02/14/07	FS	02/13/07	OP19488	GOP1856
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.17 U	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-DU01-02072007		
Lab Sample ID:	F47081-7	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0017981.D	1	02/14/07	CS	n/a	n/a	VM746
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.0 U	25	5.0	ug/l	
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.40 U	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	3.2	1.0	0.50	ug/l	
591-78-6	2-Hexanone	2.5 U	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	2.5 U	5.0	2.5	ug/l	
74-83-9	Methyl bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl chloride	1.0 U	2.0	1.0	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.5 U	5.0	2.5	ug/l	
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.40 U	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-502-DU01-02072007		
Lab Sample ID:	F47081-7	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		87-116%
17060-07-0	1,2-Dichloroethane-D4	114%		76-127%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-DU01-02072007		
Lab Sample ID:	F47081-7	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE046263.D	1	02/19/07	MRE	02/14/07	OP19508	GEE1733
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	2.8	3.9	0.98	ug/l	I
208-96-8	Acenaphthylene	0.98 U	3.9	0.98	ug/l	
120-12-7	Anthracene	0.98 U	2.0	0.98	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.20	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.098 U	0.20	0.098	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.20	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.098 U	0.20	0.098	ug/l	
207-08-9	Benzo(k)fluoranthene	0.098 U	0.20	0.098	ug/l	
218-01-9	Chrysene	0.98 U	2.0	0.98	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.20	0.049	ug/l	
206-44-0	Fluoranthene	0.49 U	2.0	0.49	ug/l	
86-73-7	Fluorene	4.0	2.0	0.98	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.20	0.049	ug/l	
91-20-3	Naphthalene	17.1	2.0	0.98	ug/l	
90-12-0	1-Methylnaphthalene	42.8	2.0	0.49	ug/l	
91-57-6	2-Methylnaphthalene	67.2	2.0	0.49	ug/l	
85-01-8	Phenanthrene	3.8	2.0	0.98	ug/l	
129-00-0	Pyrene	0.49 U	2.0	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		43-121%
92-94-4	p-Terphenyl	73%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-DU01-02072007		
Lab Sample ID:	F47081-7	**Date Sampled:**	02/07/07
Matrix:	AQ - Ground Water	**Date Received:**	02/09/07
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ36978.D	5	02/14/07	FS	02/13/07	OP19488	GIJ1544
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	4.65	1.2	0.82	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-EB01-02072007		
Lab Sample ID:	F47081-8	**Date Sampled:**	02/07/07
Matrix:	AQ - Equipment Blank	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0017958.D	1	02/13/07	CS	n/a	n/a	VM745
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.8	25	5.0	ug/l	IV
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	1.0 U	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.40 U	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
591-78-6	2-Hexanone	2.5 U	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	2.5 U	5.0	2.5	ug/l	
74-83-9	Methyl bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl chloride	1.0 U	2.0	1.0	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	4.3	5.0	2.5	ug/l	I
100-42-5	Styrene	0.50 U	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.40 U	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-502-EB01-02072007		
Lab Sample ID:	F47081-8	**Date Sampled:**	02/07/07
Matrix:	AQ - Equipment Blank	**Date Received:**	02/09/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.50 U	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	1.0 U	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-EB01-02072007		
Lab Sample ID:	F47081-8	**Date Sampled:**	02/07/07
Matrix:	AQ - Equipment Blank	**Date Received:**	02/09/07
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE046264.D	1	02/19/07	MRE	02/14/07	OP19508	GEE1733
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.99 U	4.0	0.99	ug/l	
208-96-8	Acenaphthylene	0.99 U	4.0	0.99	ug/l	
120-12-7	Anthracene	0.99 U	2.0	0.99	ug/l	
56-55-3	Benzo(a)anthracene	0.050 U	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	0.099 U	0.20	0.099	ug/l	
205-99-2	Benzo(b)fluoranthene	0.050 U	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.099 U	0.20	0.099	ug/l	
207-08-9	Benzo(k)fluoranthene	0.099 U	0.20	0.099	ug/l	
218-01-9	Chrysene	0.99 U	2.0	0.99	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.050 U	0.20	0.050	ug/l	
206-44-0	Fluoranthene	0.50 U	2.0	0.50	ug/l	
86-73-7	Fluorene	0.99 U	2.0	0.99	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.050 U	0.20	0.050	ug/l	
91-20-3	Naphthalene	0.99 U	2.0	0.99	ug/l	
90-12-0	1-Methylnaphthalene	0.50 U	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	0.50 U	2.0	0.50	ug/l	
85-01-8	Phenanthrene	0.99 U	2.0	0.99	ug/l	
129-00-0	Pyrene	0.50 U	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	84%		43-121%
92-94-4	p-Terphenyl	72%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	CEF-502-EB01-02072007		
Lab Sample ID:	F47081-8	**Date Sampled:**	02/07/07
Matrix:	AQ - Equipment Blank	**Date Received:**	02/09/07
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Bldg. 502, NASCF; CTO 209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP69961.D	1	02/14/07	FS	02/13/07	OP19488	GOP1856
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.17 U	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

TETRA TECH NUS, INC. F47081 CHAIN OF CUSTODY | NUMBER 4521 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00378	BIDG 502	Kara Wimble	(904) 636-6125	Accutest
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Scott R. McGuire		Scott McGuire	(813) 434-6382	4405 Vineland Rd Suite C-15
		CARRIER/WAYBILL NUMBER		CITY, STATE
				Orlando, FL 32811

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

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G G
PRESERVATIVE USED: Hcl HNO4

	DATE YEAR 2007	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: 8260B	PAH 8310 1-2-methylnaphthalene	TRPH FL-PRO						COMMENTS
1	2/7	1340	CEF-502-1SR-02072007				GW	G	7	3	2	2						Cool To 4°C
2		1005	CEF-502-3S-02072007						7	3	2	2						
3		1630	CEF-502-4S-02072007						5	3	1	1						
4		1130	CEF-502-6S-02072007						7	3	2	2						
5		1230	CEF-502-7D-02072007						7	3	2	2						
6		1515	CEF-502-8S-02072007				GW		7	3	2	2						
7		0000	CEF-502-DUP1-02072007				QC		7	3	2	2						
8	2/7	1730	CEF-502-EB01-02072007				QC	G	7	3	2	2						

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: Scott R. McGuire	2/8/07	0700	1. RECEIVED BY: Luis Alse	02/08/07	2:05 PM
2. RELINQUISHED BY: ALSE			2. RECEIVED BY: J. Corpe	02-09-07	08:00
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS: 2.4 2.8 3.0 3.4

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

4/02R
FORM NO. TtNUS-001

4.1
4

F47081: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F47081 08:00 CLIENT: TETRA TECH PROJECT: 1126 00 378

DATE/TIME RECEIVED: 02-09-07 # OF COOLERS RECEIVED: 4 COOLER TEMPS: 2.4 2.8 3.0 3.4

METHOD OF DELIVERY: FEDEX UPS (ACCUTEST COURIER) GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [x] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? ϕ

NUMBER OF 5035 FIELD KITS ? ϕ

NUMBER OR LAB FILTERED METALS ? ϕ

SUMMARY OF COMMENTS: RECEIVED ONLY 1 AMBER (8310) (FL. PPO) FOR SAMPLE # 3

TECHNICIAN SIGNATURE/DATE JC 02-09-07 TECHNICIAN SIGNATURE/DATE

ASBD 10/03/06

4.1

4

F47081: Chain of Custody

Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN725-MB	N0017071.D	1	02/12/07	CS	n/a	n/a	VN725

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-1, F47081-2, F47081-3, F47081-4, F47081-5, F47081-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

Method Blank Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN725-MB	N0017071.D	1	02/12/07	CS	n/a	n/a	VN725

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-1, F47081-2, F47081-3, F47081-4, F47081-5, F47081-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	91%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Method Blank Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM745-MB	M0017953.D	1	02/13/07	CS	n/a	n/a	VM745

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.0	25	5.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

Method Blank Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM745-MB	M0017953.D	1	02/13/07	CS	n/a	n/a	VM745

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-8

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Method Blank Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM746-MB	M0017980.D	1	02/14/07	CS	n/a	n/a	VM746

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.5	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
1330-20-7	Xylene (total)	ND	3.0	1.0	ug/l	

Method Blank Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM746-MB	M0017980.D	1	02/14/07	CS	n/a	n/a	VM746

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-7

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	111%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	97%	84-120%

Blank Spike Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN725-BS	N0017070.D	1	02/12/07	CS	n/a	n/a	VN725

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-1, F47081-2, F47081-3, F47081-4, F47081-5, F47081-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	83.2	67	59-134
71-43-2	Benzene	25	24.8	99	83-124
75-27-4	Bromodichloromethane	25	23.6	94	76-116
75-25-2	Bromoform	25	23.1	92	68-128
108-90-7	Chlorobenzene	25	24.8	99	87-115
75-00-3	Chloroethane	25	25.3	101	54-166
67-66-3	Chloroform	25	25.7	103	85-123
75-15-0	Carbon disulfide	25	25.1	100	67-147
56-23-5	Carbon tetrachloride	25	25.8	103	74-139
75-34-3	1,1-Dichloroethane	25	25.2	101	82-127
75-35-4	1,1-Dichloroethylene	25	20.2	81	75-133
107-06-2	1,2-Dichloroethane	25	24.6	98	76-122
78-87-5	1,2-Dichloropropane	25	24.8	99	81-120
124-48-1	Dibromochloromethane	25	20.1	80	74-116
156-59-2	cis-1,2-Dichloroethylene	25	22.7	91	81-114
10061-01-5	cis-1,3-Dichloropropene	25	25.3	101	83-119
156-60-5	trans-1,2-Dichloroethylene	25	25.7	103	82-126
10061-02-6	trans-1,3-Dichloropropene	25	26.0	104	87-123
100-41-4	Ethylbenzene	25	24.7	99	87-118
591-78-6	2-Hexanone	125	111	89	58-125
108-10-1	4-Methyl-2-pentanone	125	117	94	62-125
74-83-9	Methyl bromide	25	24.1	96	55-151
74-87-3	Methyl chloride	25	35.1	140	55-173
75-09-2	Methylene chloride	25	22.8	91	69-125
78-93-3	Methyl ethyl ketone	125	104	83	61-127
100-42-5	Styrene	25	22.2	89	78-118
71-55-6	1,1,1-Trichloroethane	25	27.3	109	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	23.1	92	71-120
79-00-5	1,1,2-Trichloroethane	25	22.9	92	80-114
127-18-4	Tetrachloroethylene	25	25.9	104	80-131
108-88-3	Toluene	25	24.2	97	86-116
79-01-6	Trichloroethylene	25	25.7	103	85-124
75-01-4	Vinyl chloride	25	24.3	97	57-153
1330-20-7	Xylene (total)	75	73.7	98	86-120

Blank Spike Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN725-BS	N0017070.D	1	02/12/07	CS	n/a	n/a	VN725

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-1, F47081-2, F47081-3, F47081-4, F47081-5, F47081-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM745-BS	M0017952.D	1	02/13/07	CS	n/a	n/a	VM745

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	94.4	76	59-134
71-43-2	Benzene	25	25.5	102	83-124
75-27-4	Bromodichloromethane	25	24.9	100	76-116
75-25-2	Bromoform	25	26.9	108	68-128
108-90-7	Chlorobenzene	25	26.4	106	87-115
75-00-3	Chloroethane	25	29.0	116	54-166
67-66-3	Chloroform	25	26.0	104	85-123
75-15-0	Carbon disulfide	25	28.6	114	67-147
56-23-5	Carbon tetrachloride	25	27.7	111	74-139
75-34-3	1,1-Dichloroethane	25	26.1	104	82-127
75-35-4	1,1-Dichloroethylene	25	24.7	99	75-133
107-06-2	1,2-Dichloroethane	25	25.1	100	76-122
78-87-5	1,2-Dichloropropane	25	24.5	98	81-120
124-48-1	Dibromochloromethane	25	24.3	97	74-116
156-59-2	cis-1,2-Dichloroethylene	25	24.9	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.0	104	83-119
156-60-5	trans-1,2-Dichloroethylene	25	26.2	105	82-126
10061-02-6	trans-1,3-Dichloropropene	25	27.6	110	87-123
100-41-4	Ethylbenzene	25	26.4	106	87-118
591-78-6	2-Hexanone	125	119	95	58-125
108-10-1	4-Methyl-2-pentanone	125	125	100	62-125
74-83-9	Methyl bromide	25	32.7	131	55-151
74-87-3	Methyl chloride	25	35.2	141	55-173
75-09-2	Methylene chloride	25	21.8	87	69-125
78-93-3	Methyl ethyl ketone	125	103	82	61-127
100-42-5	Styrene	25	26.3	105	78-118
71-55-6	1,1,1-Trichloroethane	25	28.3	113	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	25.1	100	71-120
79-00-5	1,1,2-Trichloroethane	25	24.7	99	80-114
127-18-4	Tetrachloroethylene	25	25.4	102	80-131
108-88-3	Toluene	25	25.2	101	86-116
79-01-6	Trichloroethylene	25	25.2	101	85-124
75-01-4	Vinyl chloride	25	31.5	126	57-153
1330-20-7	Xylene (total)	75	79.7	106	86-120

Blank Spike Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM745-BS	M0017952.D	1	02/13/07	CS	n/a	n/a	VM745

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-8

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM746-BS	M0017979.D	1	02/14/07	CS	n/a	n/a	VM746

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	104	83	59-134
71-43-2	Benzene	25	27.1	108	83-124
75-27-4	Bromodichloromethane	25	27.2	109	76-116
75-25-2	Bromoform	25	29.0	116	68-128
108-90-7	Chlorobenzene	25	27.1	108	87-115
75-00-3	Chloroethane	25	30.2	121	54-166
67-66-3	Chloroform	25	28.4	114	85-123
75-15-0	Carbon disulfide	25	30.9	124	67-147
56-23-5	Carbon tetrachloride	25	30.6	122	74-139
75-34-3	1,1-Dichloroethane	25	28.1	112	82-127
75-35-4	1,1-Dichloroethylene	25	26.9	108	75-133
107-06-2	1,2-Dichloroethane	25	27.5	110	76-122
78-87-5	1,2-Dichloropropane	25	25.0	100	81-120
124-48-1	Dibromochloromethane	25	25.7	103	74-116
156-59-2	cis-1,2-Dichloroethylene	25	26.2	105	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.9	108	83-119
156-60-5	trans-1,2-Dichloroethylene	25	28.5	114	82-126
10061-02-6	trans-1,3-Dichloropropene	25	28.2	113	87-123
100-41-4	Ethylbenzene	25	26.8	107	87-118
591-78-6	2-Hexanone	125	118	94	58-125
108-10-1	4-Methyl-2-pentanone	125	125	100	62-125
74-83-9	Methyl bromide	25	32.1	128	55-151
74-87-3	Methyl chloride	25	35.2	141	55-173
75-09-2	Methylene chloride	25	23.9	96	69-125
78-93-3	Methyl ethyl ketone	125	109	87	61-127
100-42-5	Styrene	25	26.0	104	78-118
71-55-6	1,1,1-Trichloroethane	25	30.4	122	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	71-120
79-00-5	1,1,2-Trichloroethane	25	25.1	100	80-114
127-18-4	Tetrachloroethylene	25	27.1	108	80-131
108-88-3	Toluene	25	26.4	106	86-116
79-01-6	Trichloroethylene	25	26.2	105	85-124
75-01-4	Vinyl chloride	25	31.7	127	57-153
1330-20-7	Xylene (total)	75	81.4	109	86-120

Blank Spike Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM746-BS	M0017979.D	1	02/14/07	CS	n/a	n/a	VM746

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-7

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F47019-1MS	N0017073.D	100	02/12/07	CS	n/a	n/a	VN725
F47019-1MSD	N0017074.D	100	02/12/07	CS	n/a	n/a	VN725
F47019-1	N0017072.D	100	02/12/07	CS	n/a	n/a	VN725

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-1, F47081-2, F47081-3, F47081-4, F47081-5, F47081-6

CAS No.	Compound	F47019-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		12500	8360	67	8340	67	0	59-134/14
71-43-2	Benzene	ND		2500	2520	101	2490	100	1	83-124/11
75-27-4	Bromodichloromethane	ND		2500	2350	94	2340	94	0	76-116/10
75-25-2	Bromoform	ND		2500	2290	92	2290	92	0	68-128/11
108-90-7	Chlorobenzene	ND		2500	2500	100	2450	98	2	87-115/9
75-00-3	Chloroethane	ND		2500	2360	94	2360	94	0	54-166/20
67-66-3	Chloroform	ND		2500	2550	102	2530	101	1	85-123/10
75-15-0	Carbon disulfide	ND		2500	2710	108	2610	104	4	67-147/12
56-23-5	Carbon tetrachloride	ND		2500	2450	98	2460	98	0	74-139/13
75-34-3	1,1-Dichloroethane	ND		2500	2540	102	2520	101	1	82-127/10
75-35-4	1,1-Dichloroethylene	ND		2500	2290	92	2310	92	1	75-133/13
107-06-2	1,2-Dichloroethane	ND		2500	2410	96	2410	96	0	76-122/11
78-87-5	1,2-Dichloropropane	ND		2500	2530	101	2480	99	2	81-120/11
124-48-1	Dibromochloromethane	ND		2500	2000	80	1940	78	3	74-116/11
156-59-2	cis-1,2-Dichloroethylene	ND		2500	2370	95	2320	93	2	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		2500	2520	101	2480	99	2	83-119/10
156-60-5	trans-1,2-Dichloroethylene	ND		2500	2580	103	2540	102	2	82-126/10
10061-02-6	trans-1,3-Dichloropropene	ND		2500	2600	104	2540	102	2	87-123/10
100-41-4	Ethylbenzene	ND		2500	2450	98	2430	97	1	87-118/10
591-78-6	2-Hexanone	ND		12500	11300	90	11200	90	1	58-125/14
108-10-1	4-Methyl-2-pentanone	ND		12500	12100	97	12000	96	1	62-125/13
74-83-9	Methyl bromide	ND		2500	2150	86	2250	90	5	55-151/21
74-87-3	Methyl chloride	ND		2500	3530	141	3380	135	4	55-173/22
75-09-2	Methylene chloride	ND		2500	2380	95	2360	94	1	69-125/11
78-93-3	Methyl ethyl ketone	ND		12500	10600	85	10400	83	2	61-127/13
100-42-5	Styrene	ND		2500	2220	89	2160	86	3	78-118/11
71-55-6	1,1,1-Trichloroethane	ND		2500	2630	105	2620	105	0	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		2500	2380	95	2370	95	0	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		2500	2350	94	2290	92	3	80-114/11
127-18-4	Tetrachloroethylene	ND		2500	2540	102	2480	99	2	80-131/12
108-88-3	Toluene	341		2500	2780	98	2730	96	2	86-116/10
79-01-6	Trichloroethylene	ND		2500	2590	104	2550	102	2	85-124/10
75-01-4	Vinyl chloride	ND		2500	2320	93	2230	89	4	57-153/22
1330-20-7	Xylene (total)	8200		7500	15700	100	15400	96	2	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F47019-1MS	N0017073.D	100	02/12/07	CS	n/a	n/a	VN725
F47019-1MSD	N0017074.D	100	02/12/07	CS	n/a	n/a	VN725
F47019-1	N0017072.D	100	02/12/07	CS	n/a	n/a	VN725

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-1, F47081-2, F47081-3, F47081-4, F47081-5, F47081-6

CAS No.	Surrogate Recoveries	MS	MSD	F47019-1	Limits
1868-53-7	Dibromofluoromethane	101%	101%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	101%	102%	76-127%
2037-26-5	Toluene-D8	97%	96%	91%	86-112%
460-00-4	4-Bromofluorobenzene	98%	98%	96%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F47149-1MS	M0017960.D	1	02/13/07	CS	n/a	n/a	VM745
F47149-1MSD	M0017961.D	1	02/13/07	CS	n/a	n/a	VM745
F47149-1	M0017954.D	1	02/13/07	CS	n/a	n/a	VM745

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-8

CAS No.	Compound	F47149-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	91.8	73	80.8	65	13	59-134/14
71-43-2	Benzene	1.0 U		25	26.2	105	24.7	99	6	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	24.6	98	23.9	96	3	76-116/10
75-25-2	Bromoform	1.0 U		25	25.5	102	24.7	99	3	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	25.8	103	24.9	100	4	87-115/9
75-00-3	Chloroethane	2.0 U		25	23.9	96	27.6	110	14	54-166/20
67-66-3	Chloroform	1.0 U		25	26.0	104	25.3	101	3	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	28.2	113	26.7	107	5	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	26.7	107	25.3	101	5	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	26.3	105	25.2	101	4	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	24.0	96	23.1	92	4	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	25.3	101	24.0	96	5	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	24.3	97	23.1	92	5	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	22.8	91	23.2	93	2	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	24.7	99	24.0	96	3	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	24.6	98	23.4	94	5	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	25.8	103	24.5	98	5	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	25.0	100	25.3	101	1	87-123/10
100-41-4	Ethylbenzene	1.0 U		25	26.1	104	25.1	100	4	87-118/10
591-78-6	2-Hexanone	5.0 U		125	119	95	120	96	1	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	126	101	125	100	1	62-125/13
74-83-9	Methyl bromide	2.0 U		25	26.5	106	31.4	126	17	55-151/21
74-87-3	Methyl chloride	2.0 U		25	29.7	119	33.6	134	12	55-173/22
75-09-2	Methylene chloride	5.0 U		25	21.6	86	20.7	83	4	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	105	84	103	82	2	61-127/13
100-42-5	Styrene	1.0 U		25	25.4	102	24.4	98	4	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	26.9	108	26.1	104	3	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	24.6	98	24.4	98	1	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	25.1	100	24.2	97	4	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	24.3	97	24.3	97	0	80-131/12
108-88-3	Toluene	1.0 U		25	25.4	102	24.6	98	3	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	24.7	99	23.4	94	5	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	25.0	100	29.8	119	18	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	80.2	107	75.7	101	6	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F47149-1MS	M0017960.D	1	02/13/07	CS	n/a	n/a	VM745
F47149-1MSD	M0017961.D	1	02/13/07	CS	n/a	n/a	VM745
F47149-1	M0017954.D	1	02/13/07	CS	n/a	n/a	VM745

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-8

CAS No.	Surrogate Recoveries	MS	MSD	F47149-1	Limits
1868-53-7	Dibromofluoromethane	104%	103%	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	104%	109%	76-127%
2037-26-5	Toluene-D8	99%	101%	98%	86-112%
460-00-4	4-Bromofluorobenzene	94%	97%	103%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F47081-7MS	M0017987.D	1	02/14/07	CS	n/a	n/a	VM746
F47081-7MSD	M0017988.D	1	02/14/07	CS	n/a	n/a	VM746
F47081-7	M0017981.D	1	02/14/07	CS	n/a	n/a	VM746

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-7

CAS No.	Compound	F47081-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	85.5	68	84.6	68	1	59-134/14
71-43-2	Benzene	1.0 U		25	27.3	109	25.3	101	8	83-124/11
75-27-4	Bromodichloromethane	1.0 U		25	26.1	104	24.6	98	6	76-116/10
75-25-2	Bromoform	1.0 U		25	27.2	109	26.4	106	3	68-128/11
108-90-7	Chlorobenzene	1.0 U		25	26.1	104	24.4	98	7	87-115/9
75-00-3	Chloroethane	2.0 U		25	34.5	138	32.1	128	7	54-166/20
67-66-3	Chloroform	1.0 U		25	28.2	113	25.9	104	9	85-123/10
75-15-0	Carbon disulfide	2.0 U		25	30.0	120	27.7	111	8	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	28.7	115	26.1	104	9	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	28.1	112	26.4	106	6	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	26.8	107	24.2	97	10	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	26.3	105	25.1	100	5	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	26.6	106	24.5	98	8	81-120/11
124-48-1	Dibromochloromethane	1.0 U		25	24.0	96	22.7	91	6	74-116/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	25.9	104	24.0	96	8	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	26.1	104	23.7	95	10	83-119/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	28.2	113	26.2	105	7	82-126/10
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	27.4	110	25.7	103	6	87-123/10
100-41-4	Ethylbenzene	3.2		25	29.4	105	27.1	96	8	87-118/10
591-78-6	2-Hexanone	5.0 U		125	126	101	124	99	2	58-125/14
108-10-1	4-Methyl-2-pentanone	5.0 U		125	138	110	133	106	4	62-125/13
74-83-9	Methyl bromide	2.0 U		25	34.0	136	30.8	123	10	55-151/21
74-87-3	Methyl chloride	2.0 U		25	38.5	154	35.5	142	8	55-173/22
75-09-2	Methylene chloride	5.0 U		25	23.8	95	22.1	88	7	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	120	96	117	94	3	61-127/13
100-42-5	Styrene	1.0 U		25	25.4	102	23.8	95	7	78-118/11
71-55-6	1,1,1-Trichloroethane	1.0 U		25	29.9	120	27.6	110	8	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	23.7	95	22.7	91	4	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	23.5	94	23.0	92	2	80-114/11
127-18-4	Tetrachloroethylene	1.0 U		25	28.4	114	25.8	103	10	80-131/12
108-88-3	Toluene	1.0 U		25	26.1	104	24.1	96	8	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	26.2	105	24.2	97	8	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	36.1	144	32.3	129	11	57-153/22
1330-20-7	Xylene (total)	3.0 U		75	81.5	109	75.4	101	8	86-120/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F47081-7MS	M0017987.D	1	02/14/07	CS	n/a	n/a	VM746
F47081-7MSD	M0017988.D	1	02/14/07	CS	n/a	n/a	VM746
F47081-7	M0017981.D	1	02/14/07	CS	n/a	n/a	VM746

The QC reported here applies to the following samples: **Method:** SW846 8260B

F47081-7

CAS No.	Surrogate Recoveries	MS	MSD	F47081-7	Limits
1868-53-7	Dibromofluoromethane	105%	104%	111%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	105%	114%	76-127%
2037-26-5	Toluene-D8	97%	98%	100%	86-112%
460-00-4	4-Bromofluorobenzene	94%	95%	96%	84-120%

Instrument Performance Check (BFB)

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VM744-BFB
Lab File ID: M0017923.D
Instrument ID: GCMSM
Injection Date: 02/12/07
Injection Time: 12:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	23776	25.7		Pass
75	30.0 - 60.0% of mass 95	44397	47.9		Pass
95	Base peak, 100% relative abundance	92602	100.0		Pass
96	5.0 - 9.0% of mass 95	6003	6.5		Pass
173	Less than 2.0% of mass 174	235	0.25	(0.3) [a]	Pass
174	50.0 - 100.0% of mass 95	77938	84.2		Pass
175	5.0 - 9.0% of mass 174	5665	6.1	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	74472	80.4	(95.6) [a]	Pass
177	5.0 - 9.0% of mass 176	4732	5.1	(6.4) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VM744-IC744	M0017924.D	02/12/07	12:48	00:24	Initial cal 1
VM744-IC744	M0017925.D	02/12/07	13:16	00:52	Initial cal 2
VM744-IC744	M0017926.D	02/12/07	13:45	01:21	Initial cal 3
VM744-ICC744	M0017927.D	02/12/07	14:13	01:49	Initial cal 4
VM744-IC744	M0017928.D	02/12/07	14:41	02:17	Initial cal 5
VM744-IC744	M0017929.D	02/12/07	15:09	02:45	Initial cal 6
VM744-ICV744	M0017930.D	02/12/07	15:37	03:13	Initial cal verification 4
VM744-BS	M0017931.D	02/12/07	16:10	03:46	Blank Spike
VM744-MB	M0017932.D	02/12/07	16:38	04:14	Method Blank
F46976-17	M0017933.D	02/12/07	17:07	04:43	(used for QC only; not part of job F47081)
F46976-17MS	M0017934.D	02/12/07	17:35	05:11	Matrix Spike
F46976-17MSD	M0017935.D	02/12/07	18:03	05:39	Matrix Spike Duplicate
ZZZZZZ	M0017936.D	02/12/07	18:31	06:07	(unrelated sample)
ZZZZZZ	M0017937.D	02/12/07	19:00	06:36	(unrelated sample)
ZZZZZZ	M0017938.D	02/12/07	19:28	07:04	(unrelated sample)
ZZZZZZ	M0017939.D	02/12/07	19:56	07:32	(unrelated sample)
ZZZZZZ	M0017940.D	02/12/07	20:25	08:01	(unrelated sample)
ZZZZZZ	M0017941.D	02/12/07	20:53	08:29	(unrelated sample)
ZZZZZZ	M0017942.D	02/12/07	21:22	08:58	(unrelated sample)
ZZZZZZ	M0017943.D	02/12/07	21:50	09:26	(unrelated sample)
ZZZZZZ	M0017944.D	02/12/07	22:19	09:55	(unrelated sample)
ZZZZZZ	M0017945.D	02/12/07	22:47	10:23	(unrelated sample)
ZZZZZZ	M0017946.D	02/12/07	23:15	10:51	(unrelated sample)
ZZZZZZ	M0017947.D	02/12/07	23:43	11:19	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VM744-BFB
Lab File ID: M0017923.D
Instrument ID: GCMSM
Injection Date: 02/12/07
Injection Time: 12:24

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	M0017948.D	02/13/07	00:12	11:48	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VM745-BFB
Lab File ID: M0017950.D
Instrument ID: GCMSM
Injection Date: 02/13/07
Injection Time: 09:09

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	32848	29.9		Pass
75	30.0 - 60.0% of mass 95	52922	48.1		Pass
95	Base peak, 100% relative abundance	109973	100.0		Pass
96	5.0 - 9.0% of mass 95	8010	7.3		Pass
173	Less than 2.0% of mass 174	696	0.63	(0.82) [a]	Pass
174	50.0 - 100.0% of mass 95	85088	77.4		Pass
175	5.0 - 9.0% of mass 174	5914	5.4	(7.0) [a]	Pass
176	95.0 - 101.0% of mass 174	81418	74.0	(95.7) [a]	Pass
177	5.0 - 9.0% of mass 176	4898	4.5	(6.0) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VM745-CC744	M0017951.D	02/13/07	09:33	00:24	Continuing cal 4
VM745-BS	M0017952.D	02/13/07	10:01	00:52	Blank Spike
VM745-MB	M0017953.D	02/13/07	10:30	01:21	Method Blank
F47149-1	M0017954.D	02/13/07	10:58	01:49	(used for QC only; not part of job F47081)
ZZZZZZ	M0017955.D	02/13/07	11:27	02:18	(unrelated sample)
ZZZZZZ	M0017956.D	02/13/07	11:55	02:46	(unrelated sample)
F47081-8	M0017958.D	02/13/07	12:52	03:43	CEF-502-EB01-02072007
F47149-1MS	M0017960.D	02/13/07	13:49	04:40	Matrix Spike
F47149-1MSD	M0017961.D	02/13/07	14:17	05:08	Matrix Spike Duplicate
ZZZZZZ	M0017962.D	02/13/07	14:46	05:37	(unrelated sample)
ZZZZZZ	M0017963.D	02/13/07	15:14	06:05	(unrelated sample)
ZZZZZZ	M0017964.D	02/13/07	15:42	06:33	(unrelated sample)
ZZZZZZ	M0017965.D	02/13/07	16:11	07:02	(unrelated sample)
ZZZZZZ	M0017969.D	02/13/07	18:04	08:55	(unrelated sample)
ZZZZZZ	M0017970.D	02/13/07	18:32	09:23	(unrelated sample)
ZZZZZZ	M0017971.D	02/13/07	19:01	09:52	(unrelated sample)
ZZZZZZ	M0017972.D	02/13/07	19:29	10:20	(unrelated sample)
ZZZZZZ	M0017973.D	02/13/07	19:57	10:48	(unrelated sample)
ZZZZZZ	M0017974.D	02/13/07	20:25	11:16	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VM746-BFB
Lab File ID: M0017977.D
Instrument ID: GCMSM
Injection Date: 02/14/07
Injection Time: 08:50

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	26165	30.2		Pass
75	30.0 - 60.0% of mass 95	43552	50.3		Pass
95	Base peak, 100% relative abundance	86560	100.0		Pass
96	5.0 - 9.0% of mass 95	5886	6.8		Pass
173	Less than 2.0% of mass 174	234	0.27	(0.33) [a]	Pass
174	50.0 - 100.0% of mass 95	71077	82.1		Pass
175	5.0 - 9.0% of mass 174	4976	5.7	(7.0) [a]	Pass
176	95.0 - 101.0% of mass 174	68506	79.1	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4671	5.4	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VM746-CC744	M0017978.D	02/14/07	09:14	00:24	Continuing cal 4
VM746-BS	M0017979.D	02/14/07	09:42	00:52	Blank Spike
VM746-MB	M0017980.D	02/14/07	10:11	01:21	Method Blank
F47081-7	M0017981.D	02/14/07	10:39	01:49	CEF-502-DU01-02072007
ZZZZZZ	M0017983.D	02/14/07	11:36	02:46	(unrelated sample)
ZZZZZZ	M0017984.D	02/14/07	12:04	03:14	(unrelated sample)
ZZZZZZ	M0017985.D	02/14/07	12:32	03:42	(unrelated sample)
ZZZZZZ	M0017986.D	02/14/07	13:00	04:10	(unrelated sample)
F47081-7MS	M0017987.D	02/14/07	13:28	04:38	Matrix Spike
F47081-7MSD	M0017988.D	02/14/07	13:57	05:07	Matrix Spike Duplicate
ZZZZZZ	M0017989.D	02/14/07	14:25	05:35	(unrelated sample)
ZZZZZZ	M0017990.D	02/14/07	14:53	06:03	(unrelated sample)
ZZZZZZ	M0017991.D	02/14/07	15:21	06:31	(unrelated sample)
ZZZZZZ	M0017992.D	02/14/07	15:49	06:59	(unrelated sample)
ZZZZZZ	M0017993.D	02/14/07	16:18	07:28	(unrelated sample)
ZZZZZZ	M0017994.D	02/14/07	16:46	07:56	(unrelated sample)
ZZZZZZ	M0017995.D	02/14/07	17:14	08:24	(unrelated sample)
ZZZZZZ	M0017996.D	02/14/07	17:42	08:52	(unrelated sample)
ZZZZZZ	M0017997.D	02/14/07	18:11	09:21	(unrelated sample)
ZZZZZZ	M0017998.D	02/14/07	18:39	09:49	(unrelated sample)
ZZZZZZ	M0017999.D	02/14/07	19:07	10:17	(unrelated sample)
ZZZZZZ	M0018000.D	02/14/07	19:36	10:46	(unrelated sample)
ZZZZZZ	M0018001.D	02/14/07	20:04	11:14	(unrelated sample)
ZZZZZZ	M0018002.D	02/14/07	20:32	11:42	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VN725-BFB
Lab File ID: N0017062.D
Instrument ID: GCMSN
Injection Date: 02/12/07
Injection Time: 11:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13092	16.8		Pass
75	30.0 - 60.0% of mass 95	37256	47.8		Pass
95	Base peak, 100% relative abundance	77941	100.0		Pass
96	5.0 - 9.0% of mass 95	5398	6.9		Pass
173	Less than 2.0% of mass 174	216	0.28	(0.36) [a]	Pass
174	50.0 - 100.0% of mass 95	60794	78.0		Pass
175	5.0 - 9.0% of mass 174	4089	5.2	(6.7) [a]	Pass
176	95.0 - 101.0% of mass 174	58592	75.2	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	3947	5.1	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN725-IC725	N0017063.D	02/12/07	11:30	00:25	Initial cal 1
VN725-IC725	N0017064.D	02/12/07	11:58	00:53	Initial cal 2
VN725-IC725	N0017065.D	02/12/07	12:26	01:21	Initial cal 3
VN725-ICC725	N0017066.D	02/12/07	12:55	01:50	Initial cal 4
VN725-IC725	N0017067.D	02/12/07	13:23	02:18	Initial cal 5
VN725-IC725	N0017068.D	02/12/07	13:51	02:46	Initial cal 6
VN725-ICV725	N0017069.D	02/12/07	14:19	03:14	Initial cal verification 4
VN725-BS	N0017070.D	02/12/07	14:47	03:42	Blank Spike
VN725-MB	N0017071.D	02/12/07	15:15	04:10	Method Blank
F47019-1	N0017072.D	02/12/07	15:43	04:38	(used for QC only; not part of job F47081)
F47019-1MS	N0017073.D	02/12/07	16:11	05:06	Matrix Spike
F47019-1MSD	N0017074.D	02/12/07	16:40	05:35	Matrix Spike Duplicate
ZZZZZZ	N0017075.D	02/12/07	17:08	06:03	(unrelated sample)
ZZZZZZ	N0017076.D	02/12/07	17:36	06:31	(unrelated sample)
F47081-1	N0017077.D	02/12/07	18:04	06:59	CEF-502-15R-02072007
F47081-2	N0017078.D	02/12/07	18:32	07:27	CEF-502-3S-02072007
F47081-3	N0017079.D	02/12/07	19:01	07:56	CEF-502-4S-02072007
F47081-4	N0017080.D	02/12/07	19:29	08:24	CEF-502-6S-02072007
F47081-5	N0017081.D	02/12/07	19:58	08:53	CEF-502-7D-02072007
F47081-6	N0017082.D	02/12/07	20:26	09:21	CEF-502-8S-02072007
ZZZZZZ	N0017083.D	02/12/07	20:54	09:49	(unrelated sample)
ZZZZZZ	N0017084.D	02/12/07	21:22	10:17	(unrelated sample)
ZZZZZZ	N0017085.D	02/12/07	21:51	10:46	(unrelated sample)
ZZZZZZ	N0017086.D	02/12/07	22:19	11:14	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VN725-BFB
Lab File ID: N0017062.D
Instrument ID: GCMSN
Injection Date: 02/12/07
Injection Time: 11:05

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	N0017087.D	02/12/07	22:47	11:42	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Check Std:	VM745-CC744	**Injection Date:**	02/13/07
Lab File ID:	M0017951.D	**Injection Time:**	09:33
Instrument ID:	GCMSM	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	1552922	10.07	1479117	13.35	934372	15.90	277712	7.29
Upper Limit [a]	3105844	10.57	2958234	13.85	1868744	16.40	555424	7.79
Lower Limit [b]	776461	9.57	739559	12.85	467186	15.40	138856	6.79

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VM745-BS	1675158	10.08	1563257	13.35	943329	15.90	309293	7.29
VM745-MB	1575586	10.08	1481062	13.35	869574	15.90	307052	7.29
F47149-1	1502668	10.08	1412975	13.35	797355	15.90	288758	7.30
ZZZZZZ	1440099	10.08	1347248	13.35	782404	15.90	286660	7.29
ZZZZZZ	1432515	10.08	1325068	13.35	757740	15.90	279305	7.29
F47081-8	1378169	10.08	1233860	13.35	742344	15.90	258602	7.30
F47149-1MS	1469877	10.09	1350635	13.35	875891	15.90	246236	7.31
F47149-1MSD	1645976	10.08	1478776	13.35	916534	15.90	294388	7.29
ZZZZZZ	1611740	10.08	1405213	13.35	850289	15.90	287844	7.31
ZZZZZZ	1880738	10.08	1619292	13.35	956953	15.90	391371	7.30
ZZZZZZ	1934407	10.08	1661026	13.35	983135	15.90	337696	7.31
ZZZZZZ	1764201	10.08	1579189	13.35	957765	15.90	344675	7.29
ZZZZZZ	1576925	10.08	1414104	13.35	853219	15.90	320166	7.31
ZZZZZZ	1499658	10.08	1360195	13.35	807222	15.90	295836	7.30
ZZZZZZ	1451635	10.08	1281768	13.35	777337	15.90	292994	7.30
ZZZZZZ	1468651	10.08	1303500	13.35	802489	15.90	281443	7.30
ZZZZZZ	1460699	10.08	1287683	13.35	793441	15.90	271100	7.29
ZZZZZZ	1420811	10.08	1280749	13.35	769523	15.90	257879	7.30

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Check Std:	VM746-CC744	**Injection Date:**	02/14/07
Lab File ID:	M0017978.D	**Injection Time:**	09:14
Instrument ID:	GCMSM	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	1620474	10.08	1498514	13.35	946886	15.90	284064	7.30
Upper Limit [a]	3240948	10.58	2997028	13.85	1893772	16.40	568128	7.80
Lower Limit [b]	810237	9.58	749257	12.85	473443	15.40	142032	6.80

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VM746-BS	1679607	10.08	1557180	13.35	968593	15.90	334755	7.31
VM746-MB	1594066	10.08	1480888	13.35	892955	15.90	312667	7.30
F47081-7	1491885	10.08	1347715	13.35	850848	15.90	318357	7.30
ZZZZZZ	1659019	10.08	1526844	13.35	949410	15.90	339671	7.30
ZZZZZZ	1816040	10.08	1655612	13.35	1058525	15.90	384982	7.30
ZZZZZZ	1941757	10.08	1826658	13.35	1123644	15.90	386226	7.30
ZZZZZZ	2080023	10.08	1852918	13.35	1119733	15.90	419072	7.29
F47081-7MS	2040760	10.08	1894788	13.35	1146112	15.90	422296	7.30
F47081-7MSD	2043364	10.08	1864369	13.35	1134473	15.90	430690	7.30
ZZZZZZ	1972229	10.08	1819890	13.35	1104996	15.90	368386	7.29
ZZZZZZ	1925143	10.08	1767401	13.35	1047214	15.90	363109	7.30
ZZZZZZ	1804363	10.08	1661743	13.35	995630	15.90	348807	7.31
ZZZZZZ	1714525	10.08	1578664	13.35	959740	15.90	327805	7.29
ZZZZZZ	1624739	10.08	1489566	13.35	908677	15.90	327609	7.31
ZZZZZZ	1494321	10.08	1390596	13.35	834693	15.90	305294	7.29
ZZZZZZ	1453921	10.08	1349476	13.35	831642	15.90	286372	7.30
ZZZZZZ	1395901	10.08	1289984	13.35	781001	15.90	286162	7.30
ZZZZZZ	1375099	10.08	1262827	13.35	779717	15.90	259932	7.30
ZZZZZZ	1373200	10.08	1249955	13.35	765127	15.90	256392	7.31
ZZZZZZ	1347577	10.08	1217468	13.35	735880	15.90	252425	7.31
ZZZZZZ	1324574	10.08	1224346	13.35	724047	15.90	246077	7.30
ZZZZZZ	1325491	10.08	1189841	13.35	708257	15.90	244781	7.30
ZZZZZZ	1257661	10.08	1150833	13.35	699612	15.90	245150	7.29

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Check Std:	VN725-ICC725	**Injection Date:**	02/12/07
Lab File ID:	N0017066.D	**Injection Time:**	12:55
Instrument ID:	GCMSN	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	1051334	10.92	891991	14.49	543303	17.05	172523	7.90
Upper Limit [a]	2102668	11.42	1783982	14.99	1086606	17.55	345046	8.40
Lower Limit [b]	525667	10.42	445996	13.99	271652	16.55	86262	7.40

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VN725-BS	1033031	10.92	914682	14.50	542784	17.05	173308	7.90
VN725-MB	998239	10.92	939904	14.50	530301	17.05	167805	7.90
F47019-1	971264	10.92	910623	14.50	516077	17.05	163021	7.90
F47019-1MS	964623	10.92	858166	14.50	513947	17.05	161946	7.90
F47019-1MSD	970309	10.92	868050	14.50	516470	17.05	162521	7.90
ZZZZZZ	968085	10.92	901000	14.50	514353	17.05	166697	7.90
ZZZZZZ	935923	10.92	878292	14.50	492783	17.05	161145	7.90
F47081-1	878599	10.92	830703	14.50	481284	17.05	159288	7.90
F47081-2	888132	10.92	860470	14.50	499038	17.05	159993	7.90
F47081-3	913708	10.92	870685	14.50	503760	17.05	173974	7.90
F47081-4	901898	10.92	872248	14.50	504348	17.05	162801	7.89
F47081-5	917316	10.92	888276	14.50	505844	17.05	163767	7.89
F47081-6	909456	10.92	875074	14.50	496126	17.05	156649	7.90
ZZZZZZ	874096	10.92	834590	14.50	466087	17.05	146869	7.90
ZZZZZZ	819017	10.92	783791	14.50	435103	17.05	139392	7.89
ZZZZZZ	798907	10.92	751646	14.50	424488	17.05	154427	7.89
ZZZZZZ	801014	10.92	796014	14.49	463004	17.05	137395	7.89
ZZZZZZ	833607	10.92	818869	14.50	484902	17.05	156142	7.90

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
F47081-1	N0017077.D	103.0	102.0	90.0	96.0
F47081-2	N0017078.D	107.0	114.0	90.0	99.0
F47081-3	N0017079.D	106.0	112.0	91.0	99.0
F47081-4	N0017080.D	107.0	111.0	90.0	97.0
F47081-5	N0017081.D	106.0	110.0	90.0	98.0
F47081-6	N0017082.D	105.0	106.0	89.0	97.0
F47081-7	M0017981.D	111.0	114.0	100.0	96.0
F47081-8	M0017958.D	109.0	108.0	99.0	98.0
F47019-1MS	N0017073.D	101.0	100.0	97.0	98.0
F47019-1MSD	N0017074.D	101.0	101.0	96.0	98.0
F47081-7MS	M0017987.D	105.0	104.0	97.0	94.0
F47081-7MSD	M0017988.D	104.0	105.0	98.0	95.0
F47149-1MS	M0017960.D	104.0	103.0	99.0	94.0
F47149-1MSD	M0017961.D	103.0	104.0	101.0	97.0
VM745-BS	M0017952.D	105.0	104.0	98.0	100.0
VM745-MB	M0017953.D	109.0	111.0	99.0	102.0
VM746-BS	M0017979.D	109.0	108.0	99.0	96.0
VM746-MB	M0017980.D	111.0	111.0	98.0	97.0
VN725-BS	N0017070.D	101.0	104.0	97.0	99.0
VN725-MB	N0017071.D	104.0	106.0	91.0	99.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	87-116%
S2 = 1,2-Dichloroethane-D4	76-127%
S3 = Toluene-D8	86-112%
S4 = 4-Bromofluorobenzene	84-120%

Initial Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VM744-ICC744
Lab FileID: M0017927.D

Response Factor Report MSVOA7

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration

Calibration Files
1 =M0017924.D 2 =M0017925.D 3 =M0017926.D 4 =M0017927.D
5 =M0017928.D 6 =M0017929.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------							
2)		Dichlorodifluoromet	0.190	0.287	0.352	0.327	0.341	0.327	0.304	19.78
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9989								
		Response Ratio = 0.00000 + 0.33130 *A								
3)	P	Chloromethane	0.313	0.361	0.375	0.359	0.369	0.370	0.358	6.35
4)	C	Vinyl Chloride	0.249	0.280	0.325	0.319	0.326	0.320	0.303	10.42
5)		Bromomethane	0.233	0.171	0.198	0.182	0.178	0.163	0.188	13.44
6)		Chloroethane	0.113	0.144	0.161	0.150	0.157	0.151	0.146	11.86
7)		Trichlorofluorometh	0.302	0.379	0.459	0.443	0.429	0.397	0.402	14.12
8)		Ethyl Ether	0.299	0.302	0.303	0.305	0.305	0.295	0.302	1.26
9)		1,2-Dichlorotrifluo	0.255	0.310	0.362	0.346	0.346	0.336	0.326	11.84
10)		Freon 113	0.237	0.262	0.321	0.308	0.304	0.304	0.290	11.21
11)	C	1,1-Dichloroethene	0.441	0.539	0.646	0.630	0.624	0.627	0.585	13.70
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9999								
		Response Ratio = 0.00000 + 0.62695 *A								
12)		Acetone	0.264	0.205	0.224	0.244	0.262	0.255	0.242	9.64
13)		Iodomethane	0.491	0.518	0.589	0.567	0.574	0.558	0.550	6.76
14)		Carbon Disulfide	0.685	0.756	0.943	0.891	0.905	0.900	0.846	12.00
15)		Methyl acetate	0.354	0.355	0.344	0.337	0.340	0.332	0.344	2.68
16)		Methylene Chloride	0.850	0.697	0.677	0.647	0.654	0.633	0.693	11.57
17)		Methyl Tert Butyl E	0.975	1.069	1.101	1.062	1.077	1.037	1.054	4.15
18)		trans-1,2-Dichloroe	0.439	0.529	0.590	0.568	0.569	0.553	0.541	10.01
19)		Acrylonitrile	0.135	0.146	0.141	0.145	0.148	0.146	0.144	3.27
20)		Hexane	0.372	0.380	0.473	0.466	0.477	0.471	0.440	11.28
21)		Di-isopropyl ether	1.321	1.510	1.580	1.533	1.559	1.518	1.503	6.21
22)		Vinyl acetate	0.555	0.625	0.673	0.631	0.665	0.616	0.628	6.70
23)	P	1,1-Dichloroethane	0.537	0.576	0.655	0.631	0.631	0.618	0.608	7.16
24)		ETBE	1.082	1.177	1.251	1.222	1.246	1.199	1.196	5.24
25)		2-Butanone	0.277	0.265	0.277	0.268	0.273	0.261	0.270	2.49
26)		2,2-Dichloropropane	0.387	0.465	0.534	0.495	0.541	0.510	0.489	11.61
27)		cis-1,2-Dichloroeth	0.322	0.336	0.357	0.337	0.330	0.316	0.333	4.35
28)		Bromochloromethane	0.161	0.171	0.183	0.173	0.175	0.166	0.171	4.50
29)		Tetrahydrofuran	0.147	0.146	0.147	0.142	0.139	0.136	0.143	3.17
30)	C	Chloroform	0.536	0.569	0.631	0.609	0.609	0.584	0.590	5.79
31)	S	Dibromofluoromethan	0.297	0.296	0.293	0.288	0.284	0.273	0.289	3.11
32)		1,1,1-Trichloroetha	0.421	0.514	0.610	0.586	0.591	0.571	0.549	12.86
33)		Cyclohexane	0.469	0.543	0.658	0.635	0.629	0.610	0.591	12.06
34)		Carbon Tetrachlorid	0.298	0.403	0.512	0.503	0.517	0.500	0.455	19.30
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9994								
		Response Ratio = 0.00000 + 0.50519 *A								
35)		1,1-Dichloropropene	0.340	0.383	0.449	0.426	0.420	0.406	0.404	9.45
36)	S	1,2-Dichloroethane-	0.454	0.463	0.453	0.447	0.435	0.427	0.446	2.95
37)		TAME	0.905	0.963	0.995	0.965	0.954	0.913	0.949	3.60

Initial Calibration Summary

Job Number: F47081 **Sample:** VM744-ICC744
Account: TETRPAPT Tetra Tech NUS **Lab FileID:** M0017927.D
Project: Bldg. 502, NASCF; CTO 209

38)		Benzene	0.925	1.014	1.114	1.054	1.023	0.989	1.020	6.21
39)		1,2-Dichloroethane	0.615	0.647	0.693	0.672	0.671	0.648	0.658	4.11
40)		Trichloroethene	0.383	0.321	0.344	0.346	0.336	0.327	0.343	6.40
41)		Methylcyclohexane	0.329	0.397	0.493	0.470	0.469	0.458	0.436	14.10
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9994								
		Response Ratio = 0.00000 + 0.46282 *A								
42)	C	1,2-Dichloropropane	0.280	0.293	0.324	0.320	0.317	0.316	0.309	5.72
43)		Dibromomethane	0.200	0.217	0.221	0.219	0.213	0.206	0.213	3.84
44)		Bromodichloromethan	0.374	0.448	0.499	0.503	0.502	0.499	0.471	10.98
45)		2-Chloroethyl vinyl	0.183	0.218	0.221	0.214	0.201	0.191	0.205	7.58
46)		2-Nitropropane	0.058	0.076	0.102	0.115	0.125	0.128	0.101	27.90
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9983								
		Response Ratio = 0.00000 + 0.12521 *A								
47)		cis-1,3-Dichloropro	0.424	0.502	0.542	0.533	0.530	0.520	0.508	8.56
48)		4-Methyl-2-pentanon	0.450	0.510	0.513	0.499	0.488	0.467	0.488	5.10
49)	I	Chlorobenzene-d5	----------ISTD----------							
50)	S	Toluene-d8	1.130	1.106	1.085	1.123	1.115	1.127	1.114	1.51
51)	C	Toluene	1.276	1.307	1.450	1.430	1.412	1.378	1.376	5.08
52)		trans-1,3-Dichlorop	0.489	0.522	0.567	0.563	0.571	0.560	0.545	6.03
53)		1,1,2-Trichloroetha	0.242	0.260	0.260	0.268	0.259	0.252	0.257	3.37
54)		Tetrachloroethene	0.292	0.337	0.394	0.392	0.392	0.383	0.365	11.49
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9997								
		Response Ratio = 0.00000 + 0.38671 *A								
55)		2-hexanone	0.345	0.408	0.417	0.433	0.431	0.416	0.408	7.96
56)		1,3-Dichloropropane	0.525	0.563	0.571	0.576	0.560	0.538	0.555	3.59
57)		Dibromochloromethan	0.300	0.349	0.411	0.420	0.425	0.423	0.388	13.42
		---- Linear regr., Force(0,0) ---- Coefficient = 1.0000								
		Response Ratio = 0.00000 + 0.42304 *A								
58)		1,2-Dibromoethane	0.350	0.367	0.389	0.390	0.389	0.374	0.376	4.31
59)		1-Chlorohexane	0.334	0.389	0.467	0.454	0.449	0.434	0.421	11.98
60)	P	Chlorobenzene	0.864	0.914	1.007	0.984	0.958	0.904	0.939	5.73
61)	C	Ethylbenzene	1.519	1.642	1.822	1.786	1.741	1.688	1.700	6.44
62)		1,1,1,2-Tetrachloro	0.305	0.334	0.399	0.394	0.408	0.391	0.372	11.35
63)		m,p-Xylene	1.151	1.328	1.461	1.412	1.358	1.295	1.334	8.06
64)		o-Xylene	1.416	1.449	1.567	1.520	1.499	1.417	1.478	4.12
65)		Styrene	1.033	1.114	1.251	1.198	1.183	1.115	1.149	6.74
66)	P	Bromoform	0.222	0.259	0.297	0.315	0.338	0.324	0.292	15.14
67)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
68)		Isopropylbenzene	2.317	2.571	3.036	2.909	2.811	2.810	2.742	9.42
69)		Cyclohexanone	0.062	0.032	0.031	0.028	0.029	0.031	0.035	36.90
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9978								
		Response Ratio = 0.00000 + 0.02991 *A								
70)	S	4-Bromofluorobenzen	0.974	0.979	1.000	0.994	0.985	1.003	0.989	1.17
71)	P	1,1,2,2-Tetrachloro	0.828	0.808	0.816	0.785	0.786	0.761	0.797	3.11
72)		trans-1,4-Dichloro-	0.331	0.368	0.405	0.389	0.397	0.394	0.381	7.14
73)		n-Propylbenzene	2.975	3.424	3.930	3.701	3.561	3.436	3.504	9.15
74)		Bromobenzene	0.843	0.859	0.913	0.860	0.828	0.798	0.850	4.50
75)		1,2,3-Trichloroprop	0.281	0.268	0.293	0.274	0.273	0.266	0.276	3.60
76)		1,3,5-Trimethylbenz	2.269	2.628	2.945	2.801	2.728	2.644	2.669	8.54
77)		2-Chlorotoluene	2.387	2.546	2.832	2.670	2.597	2.511	2.590	5.83
78)		4-Chlorotoluene	2.087	2.336	2.667	2.520	2.535	2.514	2.443	8.34
79)		tert-Butylbenzene	1.342	1.506	1.786	1.702	1.666	1.657	1.610	9.91
80)		1,2,4-Trimethylbenz	2.569	2.803	3.124	2.981	2.951	2.880	2.885	6.52

Initial Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VM744-ICC744
Lab FileID: M0017927.D

81)		sec-Butylbenzene	2.600	3.140	3.761	3.544	3.443	3.360	3.308	12.18
82)		4-Isopropyltoluene	2.307	2.668	3.106	2.979	2.929	2.870	2.810	10.15
83)		1,3-Dichlorobenzene	1.396	1.511	1.655	1.579	1.543	1.490	1.529	5.71
84)		1,4-Dichlorobenzene	1.370	1.517	1.646	1.573	1.558	1.484	1.525	6.13
85)		Benzyl Chloride	1.455	1.611	1.828	1.820	2.043	2.017	1.796	12.74
86)		n-Butylbenzene	2.109	2.464	2.884	2.819	2.770	2.717	2.627	11.11
87)		1,2-Dichlorobenzene	1.441	1.507	1.604	1.551	1.516	1.463	1.514	3.91
88)		1,2-Dibromo-3-Chlor	0.180	0.190	0.195	0.198	0.201	0.200	0.194	4.19
89)		1,2,4-Trichlorobenz	1.025	1.059	1.179	1.180	1.171	1.150	1.127	6.01
90)		Hexachlorobutadiene	0.404	0.438	0.532	0.536	0.540	0.541	0.499	12.25
91)		Naphthalene	2.876	2.751	2.961	2.967	2.916	2.830	2.884	2.89
92)		1,2,3-Trichlorobenz	0.961	1.014	1.138	1.115	1.106	1.083	1.070	6.37
93)	I	Tert Butyl alcohol-d1	----------ISTD----------							
94)		Acrolein	1.093	0.874	0.906	0.939	0.941	0.958	0.952	7.92
95)		Tert-Butyl Alcohol	1.302	1.335	1.403	1.371	1.415	1.388	1.369	3.16
96)		Tert amyl alcohol	0.889	0.969	1.063	1.058	1.090	1.077	1.024	7.70
97)		1,4-Dioxane	0.128	0.105	0.118	0.117	0.120	0.116	0.117	6.29

(#) = Out of Range

8260M.M Tue Feb 13 09:15:13 2007

Initial Calibration Verification

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VM744-ICV744
Lab FileID: M0017930.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\021207\M0017930.D Vial: 7
Acq On : 12 Feb 2007 3:37 pm Operator: calvins
Sample : icv744-4 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
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)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	106	0.00	10.08
		----------	Amount	Calc.	%Drift	----------		
2		Dichlorodifluoromethane	40.000	45.399	-13.5	122	0.00	4.20
		----------	AvgRF	CCRF	%Dev	----------		
3	P	Chloromethane	0.358	0.508	-41.9#	150	0.00	4.53
4	C	Vinyl Chloride	0.303	0.308	-1.7	103	0.00	4.76
5		Bromomethane	0.188	0.170	9.6	99	0.00	5.39
6		Chloroethane	0.146	0.146	0.0	103	0.00	5.55
7		Trichlorofluoromethane	0.402	0.387	3.7	93	0.00	5.93
8		Ethyl Ether	0.302	0.293	3.0	102	0.00	6.29
9		1,2-Dichlorotrifluoroetha	0.326	0.374	-14.7	115	0.00	6.36
10		Freon 113	0.290	0.307	-5.9	106	0.00	6.62
		----------	Amount	Calc.	%Drift	----------		
11	C	1,1-Dichloroethene	40.000	37.920	5.2	100	0.00	6.69
		----------	AvgRF	CCRF	%Dev	----------		
12		Acetone	0.242	0.179	26.0#	78	0.00	6.80
13		Iodomethane	0.550	0.546	0.7	102	0.00	6.97
14		Carbon Disulfide	0.846	0.902	-6.6	108	0.00	7.05
15		Methyl acetate	0.344	0.346	-0.6	109	0.00	7.15
16		Methylene Chloride	0.693	0.608	12.3	100	0.00	7.38
17		Methyl Tert Butyl Ether	1.054	1.077	-2.2	108	0.00	7.59
18		trans-1,2-Dichloroethene	0.541	0.555	-2.6	104	0.00	7.65
19		Acrylonitrile	0.144	0.153	-6.3	112	0.00	7.73
20		Hexane	0.440	0.474	-7.7	108	0.00	7.84
21		Di-isopropyl ether	1.503	1.580	-5.1	109	0.00	8.09
22		Vinyl acetate	0.628	0.334	46.8#	56	0.00	8.15
23	P	1,1-Dichloroethane	0.608	0.634	-4.3	107	0.00	8.21
24		ETBE	1.196	1.384	-15.7	120	0.00	8.51
25		2-Butanone	0.270	0.240	11.1	95	0.00	8.84
26		2,2-Dichloropropane	0.489	0.511	-4.5	109	0.00	8.86
27		cis-1,2-Dichloroethene	0.333	0.317	4.8	100	0.00	8.87
28		Bromochloromethane	0.171	0.169	1.2	104	0.00	9.16
29		Tetrahydrofuran	0.143	0.145	-1.4	108	0.00	9.16
30	C	Chloroform	0.590	0.601	-1.9	105	0.00	9.19
31	S	Dibromofluoromethane	0.289	0.287	0.7	106	0.00	9.38
32		1,1,1-Trichloroethane	0.549	0.568	-3.5	103	0.00	9.40
33		Cyclohexane	0.591	0.650	-10.0	109	0.00	9.41

Initial Calibration Verification

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VM744-ICV744
Lab FileID: M0017930.D

			Amount	Calc.	%Drift			
34		Carbon Tetrachloride	40.000	39.620	1.0	106	0.00	9.55

			AvgRF	CCRF	%Dev			
35		1,1-Dichloropropene	0.404	0.423	-4.7	105	0.00	9.56
36	S	1,2-Dichloroethane-d4	0.446	0.440	1.3	105	0.00	9.79
37		TAME	0.949	0.986	-3.9	108	0.00	9.79
38		Benzene	1.020	1.035	-1.5	104	0.00	9.79
39		1,2-Dichloroethane	0.658	0.649	1.4	103	0.00	9.87
40		Trichloroethene	0.343	0.339	1.2	104	0.00	10.46

			Amount	Calc.	%Drift			
41		Methylcyclohexane	40.000	42.978	-7.4	112	0.00	10.62

			AvgRF	CCRF	%Dev			
42	C	1,2-Dichloropropane	0.309	0.314	-1.6	104	0.00	10.76
43		Dibromomethane	0.213	0.208	2.3	101	0.00	10.91
44		Bromodichloromethane	0.471	0.466	1.1	98	0.00	11.02
45		2-Chloroethyl vinyl ether	0.205	0.229	-11.7	114	0.00	11.25

			Amount	Calc.	%Drift			
46		2-Nitropropane	200.000	178.796	10.6	104	0.00	11.31

			AvgRF	CCRF	%Dev			
47		cis-1,3-Dichloropropene	0.508	0.529	-4.1	105	0.00	11.48
48		4-Methyl-2-pentanone	0.488	0.509	-4.3	108	0.00	11.57
49	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	13.35
50	S	Toluene-d8	1.114	1.108	0.5	103	0.00	11.74
51	C	Toluene	1.376	1.408	-2.3	103	0.00	11.81
52		trans-1,3-Dichloropropene	0.545	0.613	-12.5	114	0.00	12.07
53		1,1,2-Trichloroethane	0.257	0.255	0.8	100	0.00	12.29

			Amount	Calc.	%Drift			
54		Tetrachloroethene	40.000	41.564	-3.9	107	0.00	12.39

			AvgRF	CCRF	%Dev			
55		2-hexanone	0.408	0.417	-2.2	101	0.00	12.45
56		1,3-Dichloropropane	0.555	0.540	2.7	98	0.00	12.49

			Amount	Calc.	%Drift			
57		Dibromochloromethane	40.000	38.410	4.0	101	0.00	12.73

			AvgRF	CCRF	%Dev			
58		1,2-Dibromoethane	0.376	0.387	-2.9	104	0.00	12.91
59		1-Chlorohexane	0.421	0.486	-15.4	112	0.00	13.21
60	P	Chlorobenzene	0.939	0.976	-3.9	104	0.00	13.38
61	C	Ethylbenzene	1.700	1.735	-2.1	102	0.00	13.41
62		1,1,1,2-Tetrachloroethane	0.372	0.394	-5.9	105	0.00	13.45
63		m,p-Xylene	1.334	1.393	-4.4	103	0.00	13.52
64		o-Xylene	1.478	1.503	-1.7	103	0.00	13.99
65		Styrene	1.149	1.169	-1.7	102	0.00	14.00
66	P	Bromoform	0.292	0.318	-8.9	106	0.00	14.31
67	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	15.90
68		Isopropylbenzene	2.742	3.054	-11.4	107	0.00	14.35

			Amount	Calc.	%Drift			
69		Cyclohexanone	200.000	227.329	-13.7	123	0.00	14.61

Initial Calibration Verification

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VM744-ICV744
Lab FileID: M0017930.D

			AvgRF	CCRF	%Dev			
70	S	4-Bromofluorobenzene	0.989	1.009	-2.0	103	0.00	14.61
71	P	1,1,2,2-Tetrachloroethane	0.797	0.792	0.6	103	0.00	14.75
72		trans-1,4-Dichloro-2-Bute	0.381	0.446	-17.1	117	0.00	14.81
73		n-Propylbenzene	3.504	3.744	-6.8	103	0.00	14.80
74		Bromobenzene	0.850	0.862	-1.4	102	0.00	14.83
75		1,2,3-Trichloropropane	0.276	0.281	-1.8	104	0.00	14.84
76		1,3,5-Trimethylbenzene	2.669	2.793	-4.6	101	0.00	14.97
77		2-Chlorotoluene	2.590	2.666	-2.9	102	0.00	14.99
78		4-Chlorotoluene	2.443	2.575	-5.4	104	0.00	15.11
79		tert-Butylbenzene	1.610	1.707	-6.0	102	0.00	15.34
80		1,2,4-Trimethylbenzene	2.885	2.974	-3.1	101	0.00	15.41
81		sec-Butylbenzene	3.308	3.584	-8.3	103	0.00	15.59
82		4-Isopropyltoluene	2.810	2.982	-6.1	102	0.00	15.71
83		1,3-Dichlorobenzene	1.529	1.566	-2.4	101	0.00	15.83
84		1,4-Dichlorobenzene	1.525	1.606	-5.3	104	0.00	15.93
85		Benzyl Chloride	1.796	1.973	-9.9	110	0.00	16.07
86		n-Butylbenzene	2.627	2.792	-6.3	101	0.00	16.18
87		1,2-Dichlorobenzene	1.514	1.568	-3.6	103	0.00	16.37
88		1,2-Dibromo-3-Chloropropa	0.194	0.198	-2.1	102	0.00	17.23
89		1,2,4-Trichlorobenzene	1.127	1.189	-5.5	103	0.00	18.13
90		Hexachlorobutadiene	0.499	0.549	-10.0	104	0.00	18.21
91		Naphthalene	2.884	2.929	-1.6	100	0.00	18.47
92		1,2,3-Trichlorobenzene	1.070	1.121	-4.8	102	0.00	18.77
93	I	Tert Butyl alcohol-d10	1.000	1.000	0.0	111	0.00	7.30
94		Acrolein	0.952	0.862	9.5	102	0.00	6.61
95		Tert-Butyl Alcohol	1.369	1.443	-5.4	116	0.00	7.41
96		Tert amyl alcohol	1.024	1.130	-10.4	118	0.00	9.67
97		1,4-Dioxane	0.117	0.120	-2.6	113	0.00	10.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
M0017927.D 8260M.M Tue Feb 13 09:14:57 2007

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209
Sample: VM745-CC744
Lab FileID: M0017951.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\021307\M0017951.D          Vial: 1
Acq On    : 13 Feb 2007   9:33 am                    Operator: calvins
Sample    : cc744-4                                  Inst    : MSVOA7
Misc      : ms7410,vm745,,,,,1                       Multiplr: 1.00
MS Integration Params: Rteint.p

Method       : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title        : EPA 624 & SWA 5030B/8260B
Last Update  : Mon Feb 12 15:52:09 2007
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)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	95	0.00	10.07
		----------	Amount	Calc.	%Drift		----------	
2		Dichlorodifluoromethane	40.000	39.945	0.1	96	-0.02	4.18
		----------	AvgRF	CCRF	%Dev		----------	
3	P	Chloromethane	0.358	0.300	16.2	79	-0.01	4.52
4	C	Vinyl Chloride	0.303	0.257	15.2	76	-0.01	4.75
5		Bromomethane	0.188	0.163	13.3	85	-0.02	5.37
6		Chloroethane	0.146	0.126	13.7	79	0.00	5.54
7		Trichlorofluoromethane	0.402	0.507	-26.1#	108	0.00	5.93
8		Ethyl Ether	0.302	0.279	7.6	87	-0.01	6.28
9		1,2-Dichlorotrifluoroetha	0.326	0.377	-15.6	103	0.00	6.35
10		Freon 113	0.290	0.344	-18.6	105	-0.01	6.61
		----------	Amount	Calc.	%Drift		----------	
11	C	1,1-Dichloroethene	40.000	42.112	-5.3	99	-0.01	6.67
		----------	AvgRF	CCRF	%Dev		----------	
12		Acetone	0.242	0.257	-6.2	100	-0.01	6.78
13		Iodomethane	0.550	0.568	-3.3	95	0.00	6.96
14		Carbon Disulfide	0.846	0.974	-15.1	103	-0.01	7.04
15		Methyl acetate	0.344	0.330	4.1	93	-0.01	7.14
16		Methylene Chloride	0.693	0.654	5.6	96	0.00	7.37
17		Methyl Tert Butyl Ether	1.054	1.043	1.0	93	0.00	7.58
18		trans-1,2-Dichloroethene	0.541	0.574	-6.1	96	0.00	7.65
19		Acrylonitrile	0.144	0.134	6.9	87	0.00	7.73
20		Hexane	0.440	0.511	-16.1	104	0.00	7.84
21		Di-isopropyl ether	1.503	1.514	-0.7	93	0.00	8.09
22		Vinyl acetate	0.628	0.715	-13.9	107	0.00	8.15
23	P	1,1-Dichloroethane	0.608	0.659	-8.4	99	-0.01	8.19
24		ETBE	1.196	1.225	-2.4	95	0.00	8.50
25		2-Butanone	0.270	0.269	0.4	95	0.00	8.83
26		2,2-Dichloropropane	0.489	0.570	-16.6	109	0.00	8.85
27		cis-1,2-Dichloroethene	0.333	0.349	-4.8	98	0.00	8.86
28		Bromochloromethane	0.171	0.178	-4.1	97	0.00	9.15
29		Tetrahydrofuran	0.143	0.135	5.6	90	-0.01	9.14
30	C	Chloroform	0.590	0.630	-6.8	98	0.00	9.18
31	S	Dibromofluoromethane	0.289	0.293	-1.4	96	0.00	9.37
32		1,1,1-Trichloroethane	0.549	0.619	-12.8	100	0.00	9.39
33		Cyclohexane	0.591	0.639	-8.1	95	-0.01	9.40

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VM745-CC744
Lab FileID: M0017951.D

			Amount	Calc.	%Drift			
34		Carbon Tetrachloride	40.000	45.488	-13.7	108	-0.01	9.54

			AvgRF	CCRF	%Dev			
35		1,1-Dichloropropene	0.404	0.442	-9.4	98	0.00	9.55
36	S	1,2-Dichloroethane-d4	0.446	0.461	-3.4	98	0.00	9.78
37		TAME	0.949	0.959	-1.1	94	0.00	9.78
38		Benzene	1.020	1.092	-7.1	98	0.00	9.79
39		1,2-Dichloroethane	0.658	0.701	-6.5	99	0.00	9.87
40		Trichloroethene	0.343	0.344	-0.3	94	0.00	10.46

			Amount	Calc.	%Drift			
41		Methylcyclohexane	40.000	44.313	-10.8	103	0.00	10.62

			AvgRF	CCRF	%Dev			
42	C	1,2-Dichloropropane	0.309	0.311	-0.6	92	0.00	10.76
43		Dibromomethane	0.213	0.228	-7.0	98	0.00	10.91
44		Bromodichloromethane	0.471	0.525	-11.5	99	0.00	11.02
45		2-Chloroethyl vinyl ether	0.205	0.196	4.4	87	0.00	11.25

			Amount	Calc.	%Drift			
46		2-Nitropropane	200.000	236.413	-18.2	122	0.00	11.31

			AvgRF	CCRF	%Dev			
47		cis-1,3-Dichloropropene	0.508	0.563	-10.8	100	0.00	11.48
48		4-Methyl-2-pentanone	0.488	0.492	-0.8	93	0.00	11.57
49	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00	13.35
50	S	Toluene-d8	1.114	1.101	1.2	96	0.00	11.73
51	C	Toluene	1.376	1.444	-4.9	99	0.00	11.81
52		trans-1,3-Dichloropropene	0.545	0.580	-6.4	101	0.00	12.07
53		1,1,2-Trichloroethane	0.257	0.275	-7.0	100	0.00	12.29

			Amount	Calc.	%Drift			
54		Tetrachloroethene	40.000	39.949	0.1	96	0.00	12.39

			AvgRF	CCRF	%Dev			
55		2-hexanone	0.408	0.429	-5.1	97	0.00	12.45
56		1,3-Dichloropropane	0.555	0.563	-1.4	96	0.00	12.49

			Amount	Calc.	%Drift			
57		Dibromochloromethane	40.000	42.862	-7.2	106	0.00	12.73

			AvgRF	CCRF	%Dev			
58		1,2-Dibromoethane	0.376	0.401	-6.6	101	0.00	12.91
59		1-Chlorohexane	0.421	0.487	-15.7	105	0.00	13.21
60	P	Chlorobenzene	0.939	1.008	-7.3	100	0.00	13.38
61	C	Ethylbenzene	1.700	1.862	-9.5	102	0.00	13.41
62		1,1,1,2-Tetrachloroethane	0.372	0.425	-14.2	106	0.00	13.44
63		m,p-Xylene	1.334	1.461	-9.5	101	0.00	13.52
64		o-Xylene	1.478	1.601	-8.3	103	0.00	13.99
65		Styrene	1.149	1.256	-9.3	103	0.00	14.00
66	P	Bromoform	0.292	0.352	-20.5#	109	0.00	14.31
67	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	15.90
68		Isopropylbenzene	2.742	2.910	-6.1	106	0.00	14.35

			Amount	Calc.	%Drift			
69		Cyclohexanone	200.000	175.045	12.5	99	0.00	14.60

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VM745-CC744
Lab FileID: M0017951.D

			AvgRF	CCRF	%Dev			
70	S	4-Bromofluorobenzene	0.989	0.974	1.5	104	0.00	14.61
71	P	1,1,2,2-Tetrachloroethane	0.797	0.824	-3.4	111	0.00	14.75
72		trans-1,4-Dichloro-2-Bute	0.381	0.402	-5.5	109	0.00	14.81
73		n-Propylbenzene	3.504	3.761	-7.3	107	0.00	14.80
74		Bromobenzene	0.850	0.829	2.5	102	0.00	14.83
75		1,2,3-Trichloropropane	0.276	0.279	-1.1	108	0.00	14.84
76		1,3,5-Trimethylbenzene	2.669	2.842	-6.5	107	0.00	14.97
77		2-Chlorotoluene	2.590	2.724	-5.2	108	0.00	14.99
78		4-Chlorotoluene	2.443	2.606	-6.7	109	0.00	15.11
79		tert-Butylbenzene	1.610	1.770	-9.9	110	0.00	15.34
80		1,2,4-Trimethylbenzene	2.885	3.080	-6.8	109	0.00	15.41
81		sec-Butylbenzene	3.308	3.674	-11.1	110	0.00	15.59
82		4-Isopropyltoluene	2.810	3.126	-11.2	111	0.00	15.71
83		1,3-Dichlorobenzene	1.529	1.633	-6.8	109	0.00	15.83
84		1,4-Dichlorobenzene	1.525	1.635	-7.2	110	0.00	15.93
85		Benzyl Chloride	1.796	2.236	-24.5#	130	0.00	16.07
86		n-Butylbenzene	2.627	3.030	-15.3	114	0.00	16.18
87		1,2-Dichlorobenzene	1.514	1.624	-7.3	111	0.00	16.37
88		1,2-Dibromo-3-Chloropropa	0.194	0.203	-4.6	108	0.00	17.23
89		1,2,4-Trichlorobenzene	1.127	1.209	-7.3	108	0.00	18.13
90		Hexachlorobutadiene	0.499	0.555	-11.2	109	0.00	18.21
91		Naphthalene	2.884	3.047	-5.7	109	0.00	18.47
92		1,2,3-Trichlorobenzene	1.070	1.144	-6.9	109	0.00	18.77
93	I	Tert Butyl alcohol-d10	1.000	1.000	0.0	98	0.00	7.29
94		Acrolein	0.952	0.871	8.5	91	-0.01	6.59
95		Tert-Butyl Alcohol	1.369	1.355	1.0	97	0.00	7.40
96		Tert amyl alcohol	1.024	1.006	1.8	93	0.00	9.67
97		1,4-Dioxane	0.117	0.119	-1.7	99	0.00	10.83

(#) = Out of Range SPCC's out = 0 CCC's out = 0
M0017927.D 8260M.M Tue Feb 13 14:28:04 2007

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209
Sample: VM746-CC744
Lab FileID: M0017978.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDCHEM\1\DATA\021407\M0017978.D          Vial: 1
Acq On    : 14 Feb 2007   9:14 am                    Operator: calvins
Sample    : cc744-4                                  Inst    : MSVOA7
Misc      : ms7410,vm746,,,,,1                       Multiplr: 1.00
MS Integration Params: Rteint.p

Method       : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title        : EPA 624 & SWA 5030B/8260B
Last Update  : Tue Feb 13 16:37:30 2007
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)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	99	0.00	10.08
		----------	Amount	Calc.	%Drift		----------	
2		Dichlorodifluoromethane	40.000	36.209	9.5	90	-0.02	4.19
		----------	AvgRF	CCRF	%Dev		----------	
3	P	Chloromethane	0.358	0.295	17.6	81	-0.02	4.51
4	C	Vinyl Chloride	0.303	0.259	14.5	80	-0.02	4.75
5		Bromomethane	0.188	0.165	12.2	89	-0.01	5.38
6		Chloroethane	0.146	0.134	8.2	88	0.00	5.54
7		Trichlorofluoromethane	0.402	0.519	-29.1#	116	-0.02	5.91
8		Ethyl Ether	0.302	0.306	-1.3	99	-0.01	6.28
9		1,2-Dichlorotrifluoroetha	0.326	0.374	-14.7	107	-0.01	6.35
10		Freon 113	0.290	0.344	-18.6	110	0.00	6.61
		----------	Amount	Calc.	%Drift		----------	
11	C	1,1-Dichloroethene	40.000	42.691	-6.7	105	-0.01	6.67
		----------	AvgRF	CCRF	%Dev		----------	
12		Acetone	0.242	0.268	-10.7	108	0.00	6.79
13		Iodomethane	0.550	0.597	-8.5	104	-0.01	6.95
14		Carbon Disulfide	0.846	0.999	-18.1	111	-0.01	7.04
15		Methyl acetate	0.344	0.333	3.2	98	0.00	7.15
16		Methylene Chloride	0.693	0.663	4.3	101	0.00	7.37
17		Methyl Tert Butyl Ether	1.054	1.048	0.6	97	0.00	7.58
18		trans-1,2-Dichloroethene	0.541	0.590	-9.1	103	0.00	7.65
19		Acrylonitrile	0.144	0.138	4.2	94	0.00	7.73
20		Hexane	0.440	0.501	-13.9	106	0.00	7.84
21		Di-isopropyl ether	1.503	1.522	-1.3	98	0.00	8.09
22		Vinyl acetate	0.628	0.699	-11.3	109	0.00	8.15
23	P	1,1-Dichloroethane	0.608	0.673	-10.7	105	0.00	8.20
24		ETBE	1.196	1.215	-1.6	98	0.00	8.50
25		2-Butanone	0.270	0.257	4.8	94	0.00	8.83
26		2,2-Dichloropropane	0.489	0.589	-20.4#	117	0.00	8.85
27		cis-1,2-Dichloroethene	0.333	0.358	-7.5	105	0.00	8.87
28		Bromochloromethane	0.171	0.187	-9.4	106	0.00	9.15
29		Tetrahydrofuran	0.143	0.131	8.4	91	0.00	9.15
30	C	Chloroform	0.590	0.646	-9.5	105	0.00	9.18
31	S	Dibromofluoromethane	0.289	0.304	-5.2	104	0.00	9.37
32		1,1,1-Trichloroethane	0.549	0.645	-17.5	109	0.00	9.39
33		Cyclohexane	0.591	0.634	-7.3	99	-0.01	9.40

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VM746-CC744
Lab FileID: M0017978.D

			Amount	Calc.	%Drift			
34		Carbon Tetrachloride	40.000	46.913	-17.3	116	0.00	9.55

			AvgRF	CCRF	%Dev			
35		1,1-Dichloropropene	0.404	0.449	-11.1	104	0.00	9.55
36	S	1,2-Dichloroethane-d4	0.446	0.468	-4.9	103	0.00	9.79
37		TAME	0.949	0.949	0.0	97	0.00	9.79
38		Benzene	1.020	1.102	-8.0	103	0.00	9.79
39		1,2-Dichloroethane	0.658	0.712	-8.2	105	0.00	9.87
40		Trichloroethene	0.343	0.355	-3.5	101	0.00	10.46

			Amount	Calc.	%Drift			
41		Methylcyclohexane	40.000	43.755	-9.4	106	0.00	10.62

			AvgRF	CCRF	%Dev			
42	C	1,2-Dichloropropane	0.309	0.316	-2.3	97	0.00	10.76
43		Dibromomethane	0.213	0.224	-5.2	101	0.00	10.91
44		Bromodichloromethane	0.471	0.533	-13.2	105	0.00	11.02
45		2-Chloroethyl vinyl ether	0.205	0.188	8.3	87	0.00	11.25

			Amount	Calc.	%Drift			
46		2-Nitropropane	200.000	245.538	-22.8#	132	0.00	11.30

			AvgRF	CCRF	%Dev			
47		cis-1,3-Dichloropropene	0.508	0.536	-5.5	99	0.00	11.48
48		4-Methyl-2-pentanone	0.488	0.479	1.8	95	0.00	11.57
49	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00	13.35
50	S	Toluene-d8	1.114	1.101	1.2	97	0.00	11.74
51	C	Toluene	1.376	1.448	-5.2	100	0.00	11.81
52		trans-1,3-Dichloropropene	0.545	0.566	-3.9	100	0.00	12.07
53		1,1,2-Trichloroethane	0.257	0.268	-4.3	99	0.00	12.29

			Amount	Calc.	%Drift			
54		Tetrachloroethene	40.000	41.042	-2.6	100	0.00	12.39

			AvgRF	CCRF	%Dev			
55		2-hexanone	0.408	0.403	1.2	92	0.00	12.45
56		1,3-Dichloropropane	0.555	0.562	-1.3	97	0.00	12.49

			Amount	Calc.	%Drift			
57		Dibromochloromethane	40.000	43.115	-7.8	108	0.00	12.73

			AvgRF	CCRF	%Dev			
58		1,2-Dibromoethane	0.376	0.392	-4.3	100	0.00	12.91
59		1-Chlorohexane	0.421	0.469	-11.4	102	0.00	13.22
60	P	Chlorobenzene	0.939	0.990	-5.4	100	0.00	13.38
61	C	Ethylbenzene	1.700	1.818	-6.9	101	0.00	13.41
62		1,1,1,2-Tetrachloroethane	0.372	0.423	-13.7	107	0.00	13.45
63		m,p-Xylene	1.334	1.445	-8.3	101	0.00	13.52
64		o-Xylene	1.478	1.569	-6.2	102	0.00	13.99
65		Styrene	1.149	1.210	-5.3	100	0.00	14.01
66	P	Bromoform	0.292	0.347	-18.8	109	0.00	14.31
67	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	15.90
68		Isopropylbenzene	2.742	2.851	-4.0	105	0.00	14.35

			Amount	Calc.	%Drift			
69		Cyclohexanone	200.000	164.998	17.5	94	0.00	14.61

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VM746-CC744
Lab FileID: M0017978.D

			AvgRF	CCRF	%Dev			
70	S	4-Bromofluorobenzene	0.989	0.957	3.2	103	0.00	14.61
71	P	1,1,2,2-Tetrachloroethane	0.797	0.790	0.9	108	0.00	14.75
72		trans-1,4-Dichloro-2-Bute	0.381	0.404	-6.0	111	0.00	14.81
73		n-Propylbenzene	3.504	3.614	-3.1	105	0.00	14.80
74		Bromobenzene	0.850	0.833	2.0	104	0.00	14.83
75		1,2,3-Trichloropropane	0.276	0.275	0.4	108	0.00	14.84
76		1,3,5-Trimethylbenzene	2.669	2.784	-4.3	107	0.00	14.97
77		2-Chlorotoluene	2.590	2.638	-1.9	106	0.00	14.99
78		4-Chlorotoluene	2.443	2.521	-3.2	107	0.00	15.11
79		tert-Butylbenzene	1.610	1.736	-7.8	109	0.00	15.34
80		1,2,4-Trimethylbenzene	2.885	2.984	-3.4	107	0.00	15.41
81		sec-Butylbenzene	3.308	3.536	-6.9	107	0.00	15.59
82		4-Isopropyltoluene	2.810	3.021	-7.5	109	0.00	15.72
83		1,3-Dichlorobenzene	1.529	1.603	-4.8	109	0.00	15.84
84		1,4-Dichlorobenzene	1.525	1.616	-6.0	110	0.00	15.93
85		Benzyl Chloride	1.796	2.160	-20.3#	127	0.00	16.07
86		n-Butylbenzene	2.627	2.911	-10.8	111	0.00	16.18
87		1,2-Dichlorobenzene	1.514	1.570	-3.7	108	0.00	16.37
88		1,2-Dibromo-3-Chloropropa	0.194	0.198	-2.1	107	0.00	17.24
89		1,2,4-Trichlorobenzene	1.127	1.172	-4.0	107	0.00	18.14
90		Hexachlorobutadiene	0.499	0.557	-11.6	111	0.00	18.21
91		Naphthalene	2.884	2.871	0.5	104	0.00	18.47
92		1,2,3-Trichlorobenzene	1.070	1.085	-1.4	104	0.00	18.77
93	I	Tert Butyl alcohol-d10	1.000	1.000	0.0	100	0.00	7.30
94		Acrolein	0.952	0.501	47.4#	53	-0.01	6.59
95		Tert-Butyl Alcohol	1.369	1.330	2.8	97	0.00	7.40
96		Tert amyl alcohol	1.024	1.015	0.9	96	0.00	9.67
97		1,4-Dioxane	0.117	0.106	9.4	90	0.00	10.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
M0017927.D 8260M.M Wed Feb 14 14:41:50 2007

Initial Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VN725-ICC725
Lab FileID: N0017066.D

```
                        Response Factor Report  MSVOA8

 Method       : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
 Title        : SW-846 Method 5030B/8260B & EPA 624
 Last Update  : Mon Feb 12 15:46:07 2007
 Response via : Initial Calibration

 Calibration Files
 1   =N0017063.D  2   =N0017064.D  3   =N0017065.D  4   =N0017066.D
 5      =N0017067.D   6      =N0017068.D

       Compound              1     2     3     4     5     6     Avg    %RSD
 ---------------------------------------------------------------------------

 1) I   Fluorobenzene         ----------------ISTD---------------------
 2)     Dichlorodifluoromet 0.233 0.267 0.329 0.319 0.311 0.317 0.296  12.75
 3) P   Chloromethane       0.253 0.259 0.291 0.278 0.260 0.246 0.264   6.46
 4) C   Vinyl Chloride      0.208 0.226 0.283 0.272 0.280 0.284 0.259  12.85
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.28180 *A

 5)     Bromomethane        0.158 0.154 0.157 0.145 0.140 0.136 0.148   6.27
 6)     Chloroethane        0.111 0.133 0.159 0.146 0.149 0.145 0.141  11.81
 7)     Trichlorofluorometh 0.402 0.401 0.500 0.483 0.485 0.487 0.460   9.93
 8)     Ethyl Ether         0.197 0.212 0.233 0.218 0.236 0.232 0.221   6.81
 9)     1,2-Dichlorotrifluo 0.250 0.265 0.347 0.425 0.328 0.325 0.323  19.40
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9912
              Response Ratio = 0.00000 + 0.41072 *A + -0.04482 *A^2

10) C   1,1-Dichloroethene  0.353 0.401 0.569 0.550 0.535 0.541 0.492  18.43
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.54087 *A

11)     Freon 113           0.175 0.272 0.351 0.325 0.327 0.307 0.293  21.69
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9973
              Response Ratio = 0.00000 + 0.31538 *A

12)     Carbon Disulfide    0.759 0.984 1.189 1.119 1.140 1.067 1.043  14.93
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9977
              Response Ratio = 0.00000 + 1.09611 *A

13)     Iodomethane         0.491 0.526 0.588 0.566 0.584 0.564 0.553   6.77
14)     Methylene Chloride  1.054 0.560 0.492 0.468 0.463 0.445 0.580  40.55
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9994
              Response Ratio = 0.00000 + 0.45381 *A

15)     Acetone             0.180 0.141 0.170 0.155 0.159 0.141 0.158   9.97
16)     Methyl acetate      0.236 0.248 0.252 0.248 0.251 0.239 0.245   2.76
17)     trans-1,2-Dichloroe 0.421 0.471 0.533 0.516 0.524 0.512 0.496   8.54
18)     Hexane              0.296 0.286 0.328 0.311 0.300 0.287 0.301   5.34
19)     Methyl Tert Butyl E 0.989 1.038 1.049 1.040 1.084 1.059 1.043   3.04
20)     Di-isopropyl ether  0.964 1.026 1.154 1.132 1.136 1.115 1.088   6.96
21) P   1,1-Dichloroethane  0.549 0.572 0.651 0.614 0.624 0.617 0.605   6.16
22)     Acrylonitrile       0.110 0.115 0.117 0.115 0.117 0.112 0.114   2.49
23)     ETBE                0.875 0.902 0.955 0.944 0.945 0.933 0.926   3.34
24)     Vinyl acetate       0.505 0.548 0.563 0.531 0.515 0.481 0.524   5.71
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9968
              Response Ratio = 0.00000 + 0.49761 *A

25)     cis-1,2-Dichloroeth 0.350 0.369 0.405 0.388 0.396 0.384 0.382   5.18
```

Initial Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VN725-ICC725
Lab FileID: N0017066.D

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26)      2,2-Dichloropropane 0.416 0.465 0.556 0.522 0.522 0.526 0.501  10.18
27)      Bromochloromethane  0.181 0.183 0.197 0.190 0.192 0.185 0.188   3.25
28)      Cyclohexane         0.448 0.456 0.565 0.533 0.531 0.508 0.507   9.08
29)  C   Chloroform          0.612 0.616 0.669 0.646 0.656 0.646 0.641   3.51
30)      Tetrahydrofuran     0.107 0.112 0.102 0.101 0.104 0.097 0.104   4.79
31)  S   Dibromofluoromethan 0.280 0.277 0.271 0.272 0.267 0.263 0.272   2.31
32)      Carbon Tetrachlorid 0.365 0.404 0.534 0.525 0.546 0.551 0.487  16.69
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9997
               Response Ratio = 0.00000 + 0.54626 *A

33)      1,1,1-Trichloroetha 0.438 0.498 0.579 0.563 0.582 0.586 0.541  11.08
34)      2-Butanone          0.178 0.185 0.206 0.192 0.200 0.182 0.190   5.77
35)      1,1-Dichloropropene 0.391 0.418 0.511 0.489 0.499 0.497 0.467  10.72
36)      Benzene             1.278 1.291 1.447 1.377 1.388 1.344 1.354   4.68
37)      TAME                0.904 0.917 0.984 0.974 0.990 0.983 0.959   3.94
38)  S   1,2-Dichloroethane- 0.359 0.354 0.342 0.345 0.345 0.346 0.348   1.88
39)      1,2-Dichloroethane  0.521 0.514 0.539 0.535 0.549 0.549 0.535   2.68
40)      Trichloroethene     0.330 0.321 0.372 0.360 0.360 0.350 0.349   5.68
41)      Methylcyclohexane   0.463 0.473 0.583 0.556 0.538 0.519 0.522   8.96
42)      Dibromomethane      0.216 0.217 0.228 0.224 0.225 0.222 0.222   2.11
43)  C   1,2-Dichloropropane 0.289 0.323 0.353 0.341 0.344 0.333 0.330   6.85
44)      Bromodichloromethan 0.477 0.485 0.543 0.530 0.546 0.545 0.521   6.09
45)      2-Chloroethyl vinyl 0.197 0.214 0.228 0.215 0.208 0.198 0.210   5.62
46)      cis-1,3-Dichloropro 0.561 0.550 0.619 0.597 0.613 0.600 0.590   4.78

47)  I   Chlorobenzene-d5      ----------------ISTD--------------------
48)  S   Toluene-d8          1.153 1.178 1.222 1.287 1.346 1.434 1.270   8.43
49)  C   Toluene             1.557 1.515 1.766 1.743 1.812 1.851 1.707   8.12
50)      2-Nitropropane      0.084 0.090 0.106 0.116 0.131 0.135 0.110  18.84
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9970
               Response Ratio = 0.00000 + 0.13100 *A

51)      4-Methyl-2-pentanon 0.350 0.385 0.410 0.411 0.432 0.426 0.402   7.50
52)      trans-1,3-Dichlorop 0.538 0.563 0.634 0.651 0.697 0.722 0.634  11.41
53)      Tetrachloroethene   0.385 0.370 0.443 0.439 0.455 0.462 0.426   9.06
54)      1,1,2-Trichloroetha 0.284 0.300 0.320 0.327 0.346 0.355 0.322   8.37
55)      Dibromochloromethan 0.349 0.384 0.436 0.452 0.499 0.522 0.441  14.99
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9973
               Response Ratio = 0.00000 + 0.50673 *A

56)      1,3-Dichloropropane 0.601 0.614 0.683 0.693 0.738 0.765 0.682   9.56
57)      1,2-Dibromoethane   0.330 0.376 0.405 0.413 0.453 0.467 0.407  12.34
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
               Response Ratio = 0.00000 + 0.39256 *A + 0.03812 *A^2

58)      2-hexanone          0.266 0.275 0.328 0.318 0.338 0.331 0.309  10.05
59)      1-Chlorohexane      0.413 0.438 0.571 0.557 0.584 0.598 0.527  15.19
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9994
               Response Ratio = 0.00000 + 0.58919 *A

60)  C   Ethylbenzene        1.721 1.703 1.914 1.866 1.941 1.976 1.853   6.22
61)  P   Chlorobenzene       0.996 0.982 1.105 1.078 1.098 1.091 1.058   5.17
62)      1,1,1,2-Tetrachloro 0.330 0.352 0.393 0.400 0.426 0.449 0.392  11.34
63)      m,p-Xylene          1.354 1.337 1.556 1.520 1.546 1.554 1.478   7.00
64)      o-Xylene            1.328 1.380 1.602 1.612 1.715 1.752 1.565  11.13
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9992
               Response Ratio = 0.00000 + 1.72390 *A

65)      Styrene             0.917 1.050 1.262 1.262 1.320 1.352 1.194  14.39
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9994
```

Initial Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VN725-ICC725
Lab FileID: N0017066.D

```
                Response Ratio = 0.00000 + 1.33153 *A

66) P   Bromoform           0.260 0.266 0.312 0.335 0.366 0.385 0.321  15.99
67)     Isopropylbenzene    1.329 1.415 1.742 1.740 1.820 1.857 1.650  13.47

68) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
69) S   4-Bromofluorobenzen 1.006 1.005 1.022 1.027 1.056 1.083 1.033   2.95
70)     n-Propylbenzene     3.491 3.397 4.079 3.871 3.901 3.763 3.750   6.93
71)     Bromobenzene        0.840 0.817 0.889 0.849 0.857 0.819 0.845   3.16
72) P   1,1,2,2-Tetrachloro 0.832 0.833 0.865 0.821 0.852 0.803 0.834   2.61
73)     1,3,5-Trimethylbenz 2.455 2.356 2.810 2.691 2.733 2.657 2.617   6.67
74)     2-Chlorotoluene     2.567 2.466 2.823 2.695 2.754 2.680 2.664   4.84
75)     trans-1,4-Dichloro- 0.206 0.226 0.246 0.244 0.264 0.259 0.241   8.92
76)     1,2,3-Trichloroprop 0.242 0.272 0.267 0.260 0.278 0.266 0.264   4.73
77)     Cyclohexanone       0.026 0.019 0.021 0.021 0.023 0.023 0.022  11.17
78)     4-Chlorotoluene     2.215 2.239 2.572 2.461 2.548 2.481 2.419   6.40
79)     tert-Butylbenzene   1.340 1.371 1.653 1.565 1.619 1.606 1.526   8.85
80)     1,2,4-Trimethylbenz 2.657 2.507 2.904 2.766 2.824 2.742 2.733   5.05
81)     sec-Butylbenzene    2.977 2.976 3.604 3.398 3.425 3.325 3.284   7.78
82)     4-Isopropyltoluene  2.437 2.369 2.930 2.780 2.809 2.679 2.667   8.29
83)     1,3-Dichlorobenzene 1.550 1.497 1.595 1.545 1.560 1.519 1.544   2.20
84)     1,4-Dichlorobenzene 1.528 1.450 1.599 1.519 1.522 1.488 1.518   3.26
85)     n-Butylbenzene      1.575 1.423 1.762 1.688 1.711 1.676 1.639   7.46
86)     Benzyl Chloride     0.296 0.324 0.376 0.360 0.359 0.345 0.343   8.49
87)     1,2-Dichlorobenzene 1.561 1.419 1.571 1.507 1.543 1.476 1.513   3.82
88)     1,2-Dibromo-3-Chlor 0.196 0.167 0.184 0.182 0.199 0.200 0.188   6.85
89)     Hexachlorobutadiene 0.625 0.473 0.578 0.566 0.592 0.587 0.570   9.00
90)     1,2,4-Trichlorobenz 1.401 1.110 1.215 1.183 1.202 1.167 1.213   8.18
91)     Naphthalene         4.137 2.674 2.962 2.933 3.041 2.921 3.111  16.63
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9992
                Response Ratio = 0.00000 + 2.95775 *A

92)     1,2,3-Trichlorobenz 1.429 1.042 1.129 1.122 1.149 1.109 1.163  11.62

93) I   Tert Butyl Alcohol-d1 ----------------ISTD---------------------
94)     Acrolein            0.491 0.256 0.129 0.138 0.132 0.126 0.212  68.64
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9978
                Response Ratio = 0.00000 + 0.12906 *A

95)     Tert Butyl Alcohol  1.175 1.071 1.134 1.097 1.150 1.147 1.129   3.39
96)     tert Amyl alcohol   0.788 0.757 0.851 0.867 0.897 0.888 0.841   6.75
97)     1,4-Dioxane         0.184 0.122 0.131 0.124 0.133 0.132 0.138  16.79
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9992
                Response Ratio = 0.00000 + 0.13181 *A

--------------------------------------------------------------------------
(#) = Out of Range

          8260N.M           Tue Feb 13 09:17:07 2007
```

Initial Calibration Verification

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VN725-ICV725
Lab FileID: N0017069.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\2\DATA\021207\N0017069.D Vial: 7
Acq On : 12 Feb 2007 2:19 pm Operator: calvins
Sample : icv725-4 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Multiple Level Calibration

Min. RRF : 0.001 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)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	99	0.00	10.92
2	Dichlorodifluoromethane	0.296	0.371	-25.3#	115	-0.01	4.33
3 P	Chloromethane	0.264	0.365	-38.3#	129	0.00	4.67
	----------	Amount	Calc.	%Drift		----------	
4 C	Vinyl Chloride	40.000	40.223	-0.6	103	0.00	4.89
	----------	AvgRF	CCRF	%Dev		----------	
5	Bromomethane	0.148	0.142	4.1	97	0.00	5.46
6	Chloroethane	0.141	0.145	-2.8	98	0.00	5.67
7	Trichlorofluoromethane	0.460	0.471	-2.4	96	0.00	5.91
8	Ethyl Ether	0.221	0.223	-0.9	101	0.00	6.37
	----------	Amount	Calc.	%Drift		----------	
9	1,2-Dichlorotrifluoroetha	40.000	36.842	7.9	81	0.00	6.66
10 C	1,1-Dichloroethene	40.000	35.526	11.2	86	0.00	6.74
11	Freon 113	40.000	40.279	-0.7	96	0.00	6.81
12	Carbon Disulfide	40.000	38.875	2.8	94	0.00	6.84
	----------	AvgRF	CCRF	%Dev		----------	
13	Iodomethane	0.553	0.539	2.5	94	0.00	6.99
	----------	Amount	Calc.	%Drift		----------	
14	Methylene Chloride	40.000	37.253	6.9	89	0.00	7.58
	----------	AvgRF	CCRF	%Dev		----------	
15	Acetone	0.158	0.116	26.6#	74	0.00	7.62
16	Methyl acetate	0.245	0.243	0.8	97	0.00	7.76
17	trans-1,2-Dichloroethene	0.496	0.501	-1.0	96	0.00	7.81
18	Hexane	0.301	0.299	0.7	95	0.00	7.89
19	Methyl Tert Butyl Ether	1.043	1.096	-5.1	104	0.00	7.93
20	Di-isopropyl ether	1.088	1.142	-5.0	100	0.00	8.41
21 P	1,1-Dichloroethane	0.605	0.617	-2.0	99	0.00	8.65
22	Acrylonitrile	0.114	0.116	-1.8	100	0.00	8.68
23	ETBE	0.926	1.123	-21.3#	118	0.00	8.90
	----------	Amount	Calc.	%Drift		----------	
24	Vinyl acetate	200.000	124.872	37.6#	58	0.00	8.90
	----------	AvgRF	CCRF	%Dev		----------	
25	cis-1,2-Dichloroethene	0.382	0.355	7.1	90	0.00	9.35
26	2,2-Dichloropropane	0.501	0.549	-9.6	104	0.00	9.51

Initial Calibration Verification

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VN725-ICV725
Lab FileID: N0017069.D

27		Bromochloromethane	0.188	0.183	2.7	95	0.00	9.62
28		Cyclohexane	0.507	0.539	-6.3	100	0.00	9.67
29	C	Chloroform	0.641	0.662	-3.3	101	0.00	9.67
30		Tetrahydrofuran	0.104	0.102	1.9	99	0.00	9.91
31	S	Dibromofluoromethane	0.272	0.274	-0.7	99	0.00	9.91
		----------	Amount	Calc.	%Drift	----------		
32		Carbon Tetrachloride	40.000	40.276	-0.7	103	0.00	9.92
		----------	AvgRF	CCRF	%Dev	----------		
33		1,1,1-Trichloroethane	0.541	0.590	-9.1	103	0.00	9.99
34		2-Butanone	0.190	0.171	10.0	88	0.00	10.03
35		1,1-Dichloropropene	0.467	0.495	-6.0	100	0.00	10.12
36		Benzene	1.354	1.353	0.1	97	0.00	10.43
37		TAME	0.959	1.051	-9.6	107	0.00	10.51
38	S	1,2-Dichloroethane-d4	0.348	0.362	-4.0	104	0.00	10.59
39		1,2-Dichloroethane	0.535	0.554	-3.6	102	0.00	10.67
40		Trichloroethene	0.349	0.355	-1.7	97	0.00	11.13
41		Methylcyclohexane	0.522	0.575	-10.2	102	0.00	11.15
42		Dibromomethane	0.222	0.223	-0.5	98	0.00	11.65
43	C	1,2-Dichloropropane	0.330	0.334	-1.2	97	0.00	11.74
44		Bromodichloromethane	0.521	0.510	2.1	95	0.00	11.79
45		2-Chloroethyl vinyl ether	0.210	0.237	-12.9	109	0.00	12.38
46		cis-1,3-Dichloropropene	0.590	0.620	-5.1	103	0.00	12.51
47	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00	14.49
48	S	Toluene-d8	1.270	1.300	-2.4	100	0.00	12.73
49	C	Toluene	1.707	1.705	0.1	97	0.00	12.79
		----------	Amount	Calc.	%Drift	----------		
50		2-Nitropropane	200.000	185.321	7.3	104	0.00	13.04
		----------	AvgRF	CCRF	%Dev	----------		
51		4-Methyl-2-pentanone	0.402	0.419	-4.2	101	0.00	13.15
52		trans-1,3-Dichloropropene	0.634	0.728	-14.8	111	0.00	13.23
53		Tetrachloroethene	0.426	0.440	-3.3	99	0.00	13.26
54		1,1,2-Trichloroethane	0.322	0.320	0.6	97	0.00	13.43
		----------	Amount	Calc.	%Drift	----------		
55		Dibromochloromethane	40.000	35.217	12.0	98	0.00	13.66
		----------	AvgRF	CCRF	%Dev	----------		
56		1,3-Dichloropropane	0.682	0.688	-0.9	98	0.00	13.75
		----------	Amount	Calc.	%Drift	----------		
57		1,2-Dibromoethane	40.000	39.343	1.6	100	0.00	13.96
		----------	AvgRF	CCRF	%Dev	----------		
58		2-hexanone	0.309	0.307	0.6	96	0.00	14.08
		----------	Amount	Calc.	%Drift	----------		
59		1-Chlorohexane	40.000	40.567	-1.4	106	0.00	14.42
		----------	AvgRF	CCRF	%Dev	----------		
60	C	Ethylbenzene	1.853	1.856	-0.2	98	0.00	14.50
61	P	Chlorobenzene	1.058	1.069	-1.0	98	0.00	14.52
62		1,1,1,2-Tetrachloroethane	0.392	0.407	-3.8	101	0.00	14.57
63		m,p-Xylene	1.478	1.525	-3.2	99	0.00	14.65
		----------	Amount	Calc.	%Drift	----------		

Initial Calibration Verification

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: VN725-ICV725
Lab FileID: N0017069.D

64		o-Xylene	40.000	37.652	5.9	100	0.00	15.14
65		Styrene	40.000	37.575	6.1	98	0.00	15.19
		----------	AvgRF	CCRF	%Dev	----------		
66	P	Bromoform	0.321	0.338	-5.3	100	0.00	15.28
67		Isopropylbenzene	1.650	1.830	-10.9	104	0.00	15.47
68	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	17.05
69	S	4-Bromofluorobenzene	1.033	1.035	-0.2	101	0.00	15.82
70		n-Propylbenzene	3.750	3.828	-2.1	100	0.00	15.92
71		Bromobenzene	0.845	0.818	3.2	97	0.00	15.96
72	P	1,1,2,2-Tetrachloroethane	0.834	0.819	1.8	100	0.00	15.99
73		1,3,5-Trimethylbenzene	2.617	2.655	-1.5	99	0.00	16.10
74		2-Chlorotoluene	2.664	2.702	-1.4	101	0.00	16.14
75		trans-1,4-Dichloro-2-Bute	0.241	0.281	-16.6	116	0.00	16.18
76		1,2,3-Trichloropropane	0.264	0.262	0.8	102	0.00	16.17
77		Cyclohexanone	0.022	0.024	-9.1	117	0.00	16.26
78		4-Chlorotoluene	2.419	2.489	-2.9	102	0.00	16.32
79		tert-Butylbenzene	1.526	1.596	-4.6	103	0.00	16.48
80		1,2,4-Trimethylbenzene	2.733	2.730	0.1	99	0.00	16.55
81		sec-Butylbenzene	3.284	3.429	-4.4	102	0.00	16.68
82		4-Isopropyltoluene	2.667	2.750	-3.1	100	0.00	16.80
83		1,3-Dichlorobenzene	1.544	1.538	0.4	100	0.00	16.98
84		1,4-Dichlorobenzene	1.518	1.529	-0.7	101	0.00	17.07
85		n-Butylbenzene	1.639	1.690	-3.1	101	0.00	17.28
86		Benzyl Chloride	0.343	0.369	-7.6	103	0.00	17.32
87		1,2-Dichlorobenzene	1.513	1.517	-0.3	101	0.00	17.55
88		1,2-Dibromo-3-Chloropropa	0.188	0.184	2.1	102	0.00	18.39
89		Hexachlorobutadiene	0.570	0.581	-1.9	103	0.00	19.04
90		1,2,4-Trichlorobenzene	1.213	1.175	3.1	100	0.00	19.12
		----------	Amount	Calc.	%Drift	----------		
91		Naphthalene	40.000	39.973	0.1	101	0.00	19.50
		----------	AvgRF	CCRF	%Dev	----------		
92		1,2,3-Trichlorobenzene	1.163	1.126	3.2	101	0.00	19.72
93	I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	103	0.00	7.89
		----------	Amount	Calc.	%Drift	----------		
94		Acrolein	200.000	242.079	-21.0#	117	0.00	7.22
		----------	AvgRF	CCRF	%Dev	----------		
95		Tert Butyl Alcohol	1.129	1.154	-2.2	109	0.00	8.00
96		tert Amyl alcohol	0.841	0.901	-7.1	107	0.00	10.68
		----------	Amount	Calc.	%Drift	----------		
97		1,4-Dioxane	800.000	795.527	0.6	109	0.00	12.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0017066.D 8260N.M Tue Feb 13 09:16:50 2007

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017077.D Vial: 14
Acq On : 12 Feb 2007 6:04 pm Operator: calvins
Sample : F47081-1 Inst : MSVOA8
Misc : ms7443,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 08:16:54 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

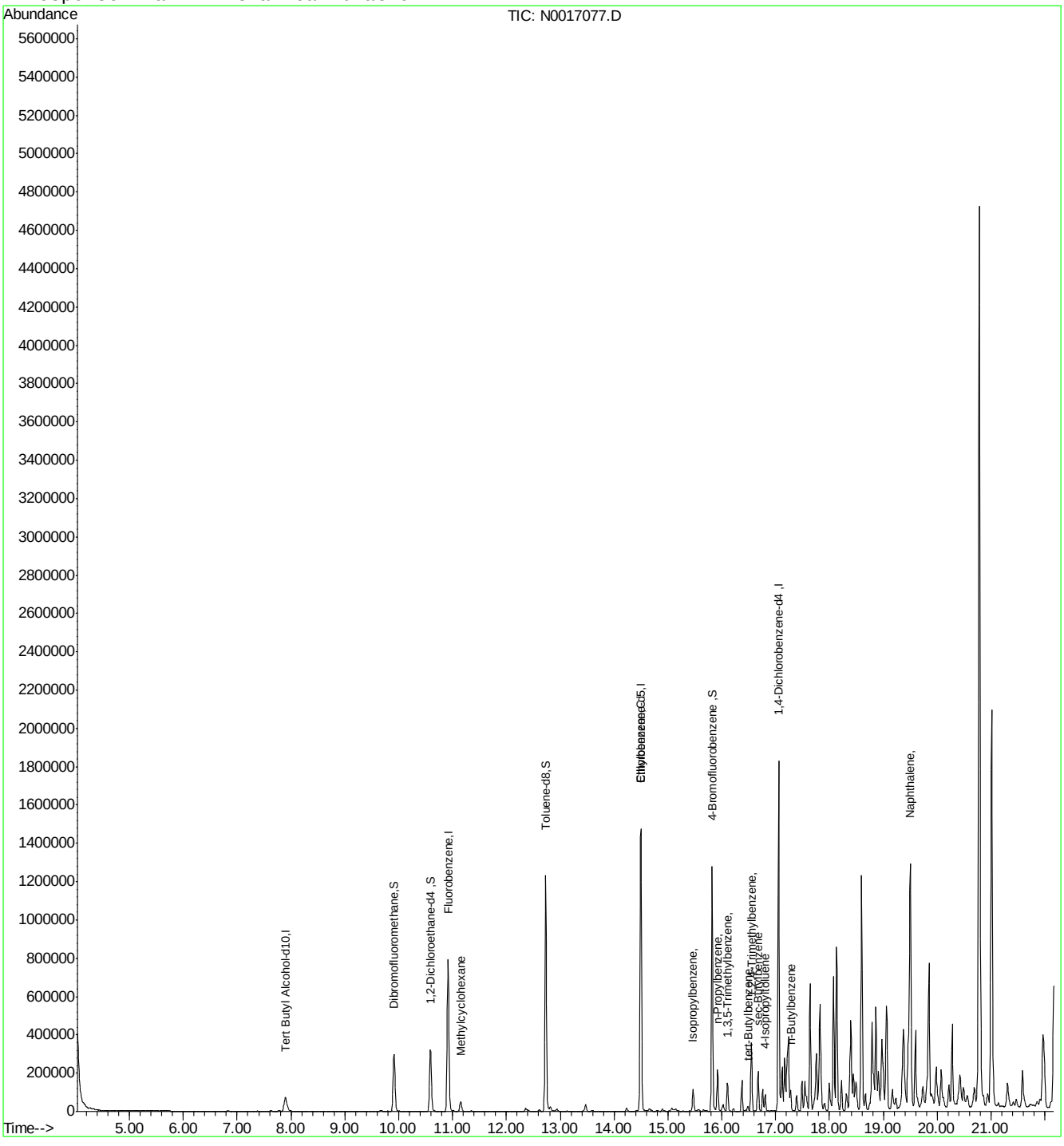
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	878599	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.50	117	830703	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	481284	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	159288	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	244826	51.27	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 102.54%			
38) 1,2-Dichloroethane-d4	10.59	65	313265	51.17	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 102.34%			
48) Toluene-d8	12.73	98	948446	44.95	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 89.90%			
69) 4-Bromofluorobenzene	15.82	95	475004	47.77	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 95.54%			
Target Compounds						Qvalue
41) Methylcyclohexane	11.15	83	25266	2.75	ug/L	94
60) Ethylbenzene	14.50	91	101356	3.29	ug/L	99
67) Isopropylbenzene	15.47	105	82628	3.01	ug/L	96
70) n-Propylbenzene	15.92	91	182832	5.06	ug/L	98
73) 1,3,5-Trimethylbenzene	16.10	105	86190	3.42	ug/L	100
79) tert-Butylbenzene	16.48	91	9620	0.66	ug/L	92
80) 1,2,4-Trimethylbenzene	16.55	105	206934	7.87	ug/L	99
81) sec-Butylbenzene	16.68	105	113866	3.60	ug/L	83
82) 4-Isopropyltoluene	16.80	119	51921	2.02	ug/L	100
85) n-Butylbenzene	17.28	92	35290	2.24	ug/L	98
91) Naphthalene	19.50	128	1096329	38.51	ug/L	100

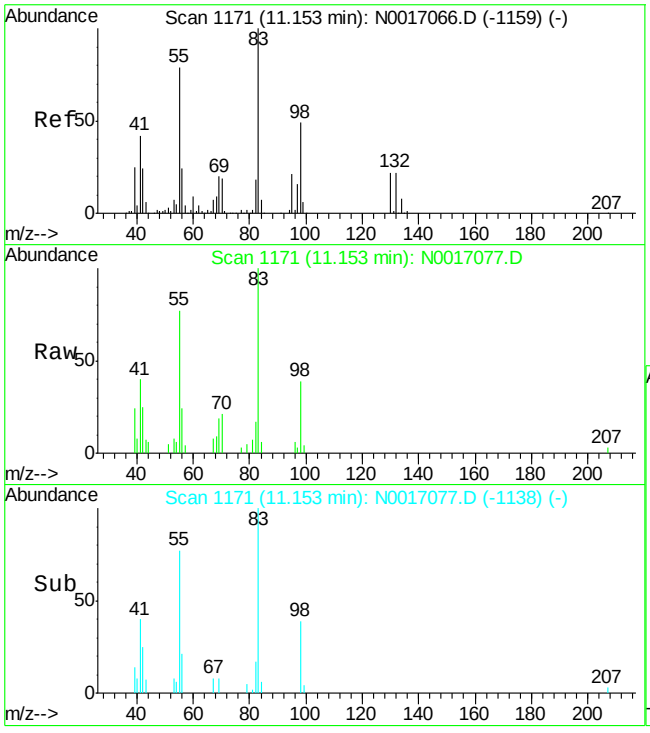
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017077.D Vial: 14
Acq On : 12 Feb 2007 6:04 pm Operator: calvins
Sample : F47081-1 Inst : MSVOA8
Misc : ms7443,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 8:43 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration

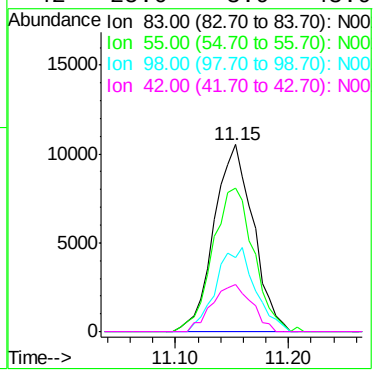


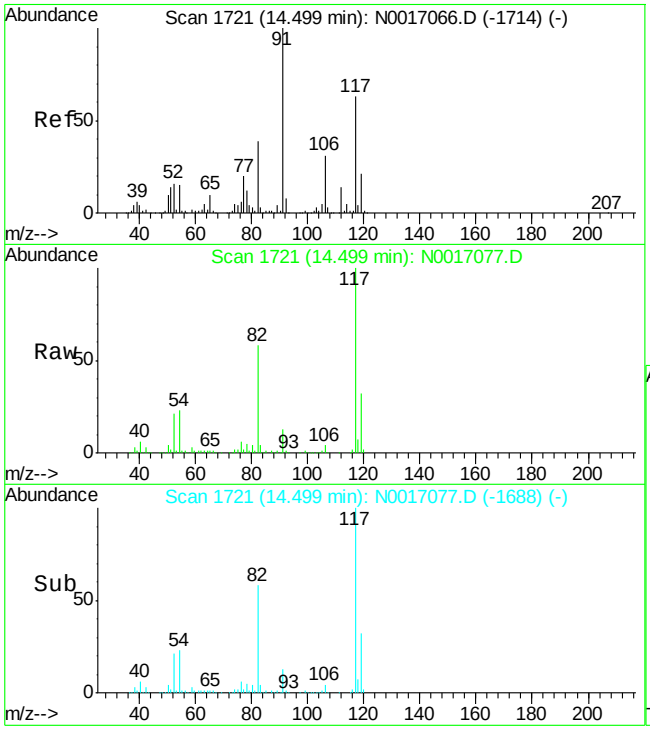


#41
Methylcyclohexane
Concen: 2.75 ug/L
RT: 11.15 min Scan# 1171
Delta R.T. -0.00 min
Lab File: N0017077.D
Acq: 12 Feb 2007 6:04 pm

Tgt Ion: 83 Resp: 25266

Ion	Ratio	Lower	Upper
83	100		
55	76.8	58.6	98.6
98	39.3	29.1	69.1
42	25.0	3.9	43.9

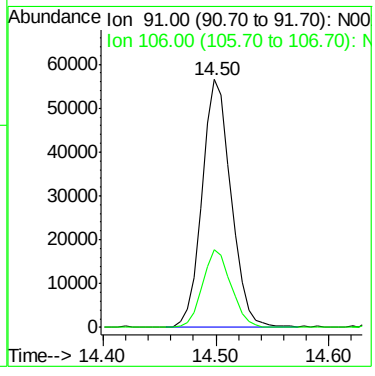


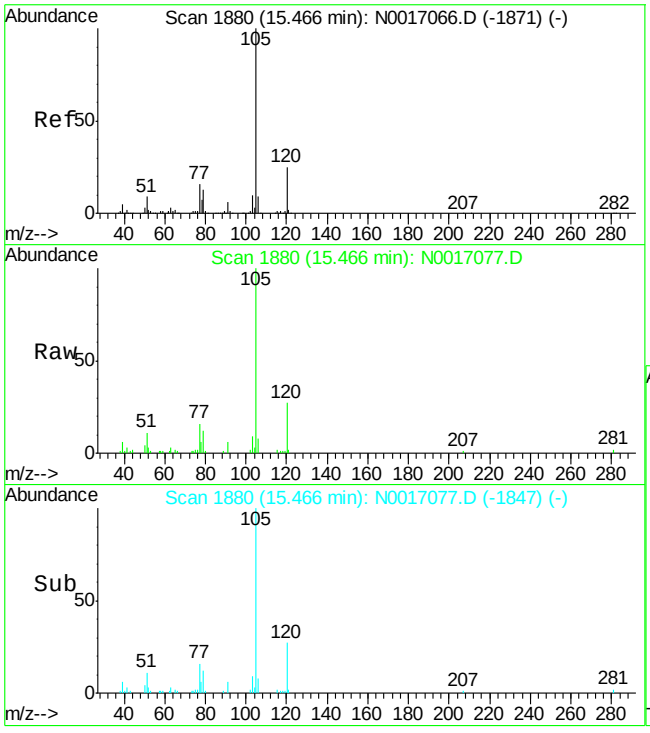


#60
Ethylbenzene
Concen: 3.29 ug/L
RT: 14.50 min Scan# 1721
Delta R.T. -0.00 min
Lab File: N0017077.D
Acq: 12 Feb 2007 6:04 pm

Tgt Ion: 91 Resp: 101356

Ion	Ratio	Lower	Upper
91	100		
106	31.5	1.2	61.2

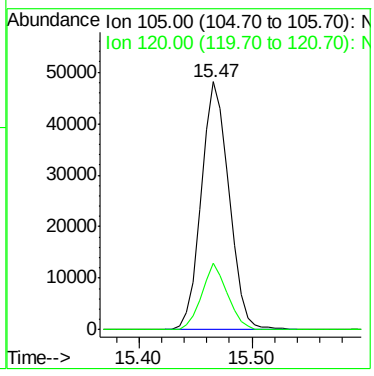


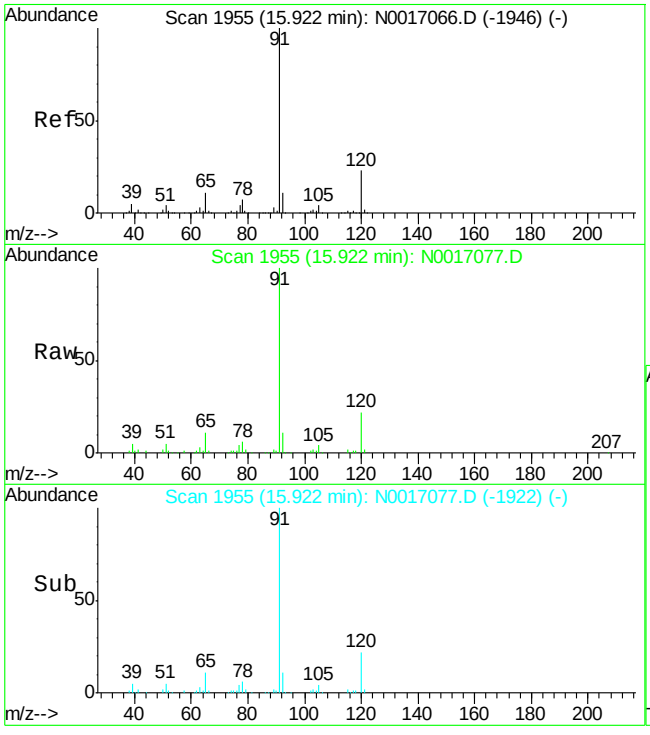


#67
Isopropylbenzene
Concen: 3.01 ug/L
RT: 15.47 min Scan# 1880
Delta R.T. -0.00 min
Lab File: N0017077.D
Acq: 12 Feb 2007 6:04 pm

Tgt Ion:105 Resp: 82628

Ion	Ratio	Lower	Upper
105	100		
120	27.0	0.0	55.1

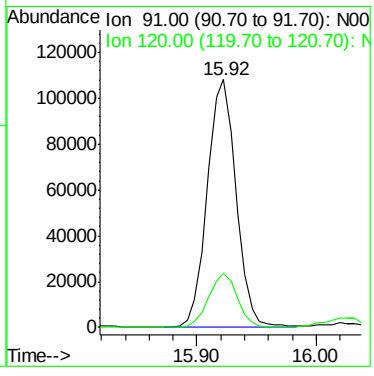


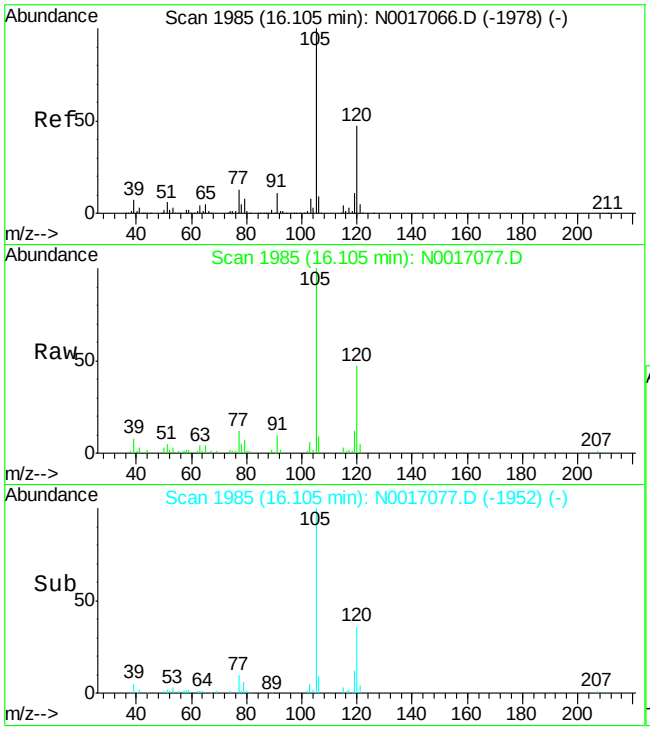


#70
n-Propylbenzene
Concen: 5.06 ug/L
RT: 15.92 min Scan# 1955
Delta R.T. -0.00 min
Lab File: N0017077.D
Acq: 12 Feb 2007 6:04 pm

Tgt Ion: 91 Resp: 182832

Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	52.7

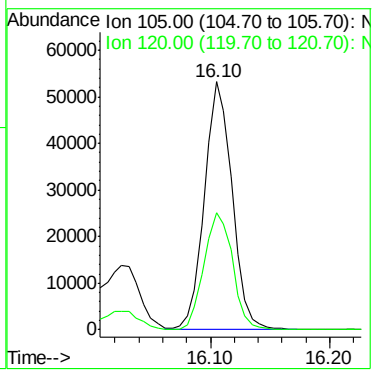


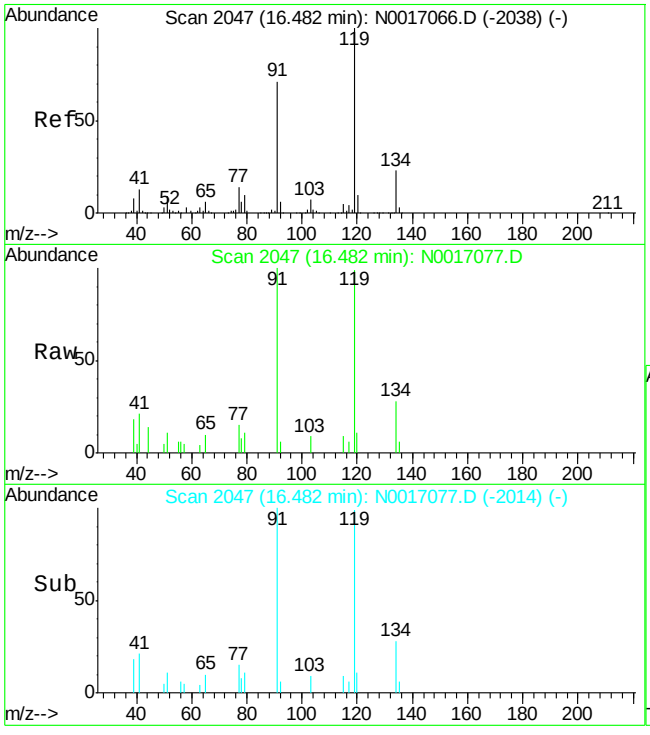


#73
1,3,5-Trimethylbenzene
Concen: 3.42 ug/L
RT: 16.10 min Scan# 1985
Delta R.T. -0.00 min
Lab File: N0017077.D
Acq: 12 Feb 2007 6:04 pm

Tgt Ion:105 Resp: 86190

Ion	Ratio	Lower	Upper
105	100		
120	47.3	17.0	77.0

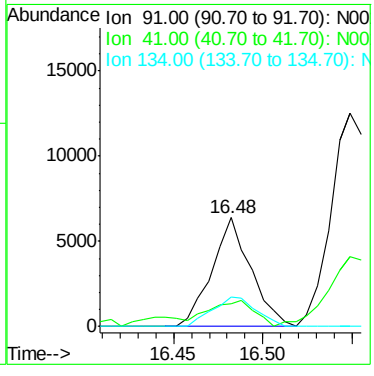


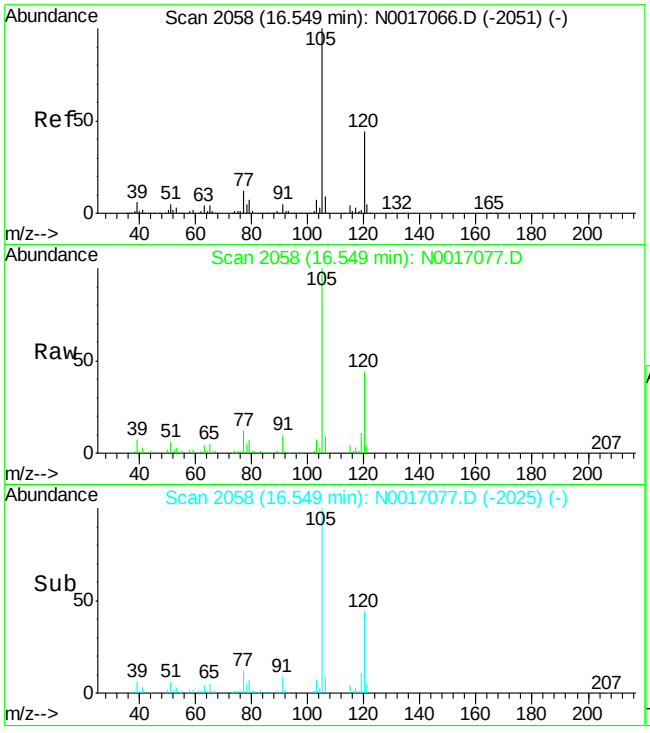


#79
tert-Butylbenzene
Concen: 0.66 ug/L
RT: 16.48 min Scan# 2047
Delta R.T. -0.00 min
Lab File: N0017077.D
Acq: 12 Feb 2007 6:04 pm

Tgt Ion: 91 Resp: 9620

Ion	Ratio	Lower	Upper
91	100		
41	16.4	0.0	48.9
134	27.6	2.7	62.7

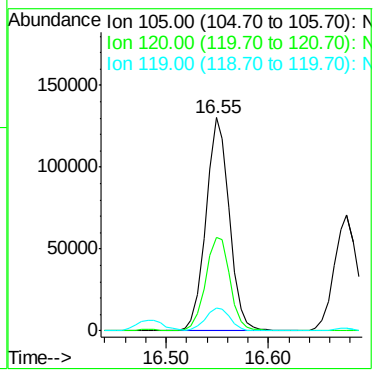


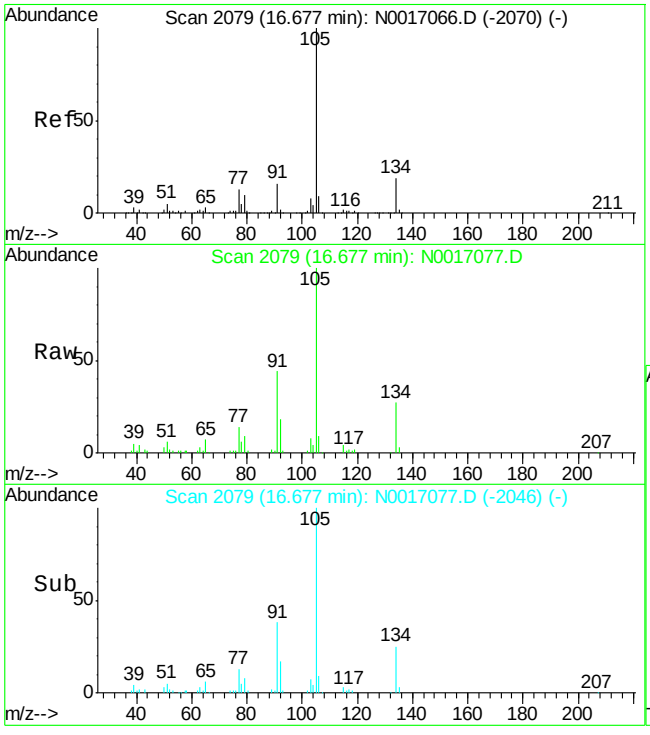


#80
1,2,4-Trimethylbenzene
Concen: 7.87 ug/L
RT: 16.55 min Scan# 2058
Delta R.T. -0.00 min
Lab File: N0017077.D
Acq: 12 Feb 2007 6:04 pm

Tgt Ion:105 Resp: 206934

Ion	Ratio	Lower	Upper
105	100		
120	43.6	14.5	74.5
119	10.7	0.0	41.0

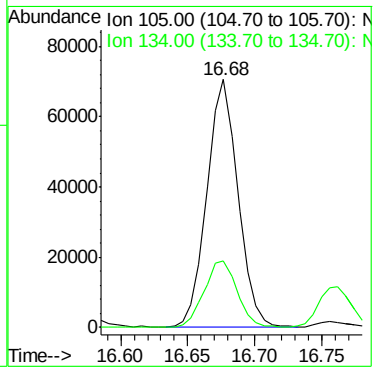


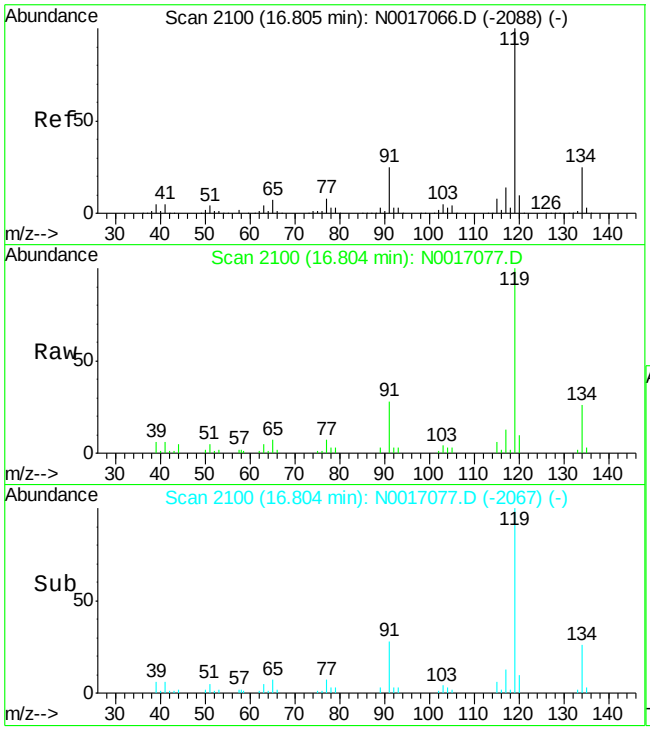


#81
sec-Butylbenzene
Concen: 3.60 ug/L
RT: 16.68 min Scan# 2079
Delta R.T. -0.00 min
Lab File: N0017077.D
Acq: 12 Feb 2007 6:04 pm

Tgt Ion:105 Resp: 113866

Ion	Ratio	Lower	Upper
105	100		
134	27.0	0.0	49.2

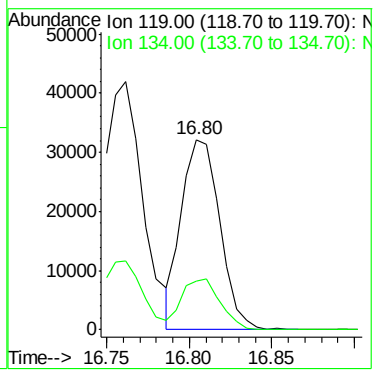


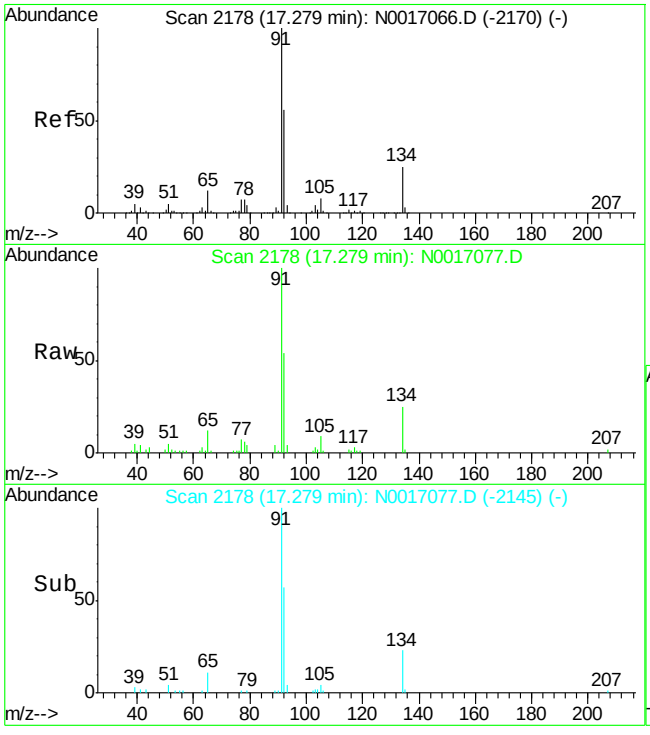


#82
4-Isopropyltoluene
Concen: 2.02 ug/L
RT: 16.80 min Scan# 2100
Delta R.T. -0.00 min
Lab File: N0017077.D
Acq: 12 Feb 2007 6:04 pm

Tgt Ion:119 Resp: 51921

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	55.4

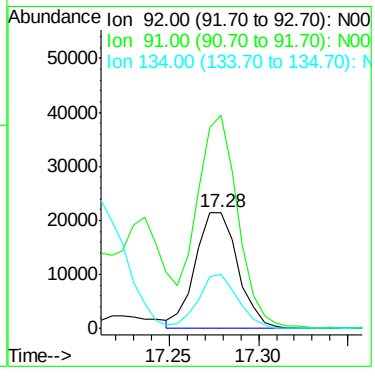


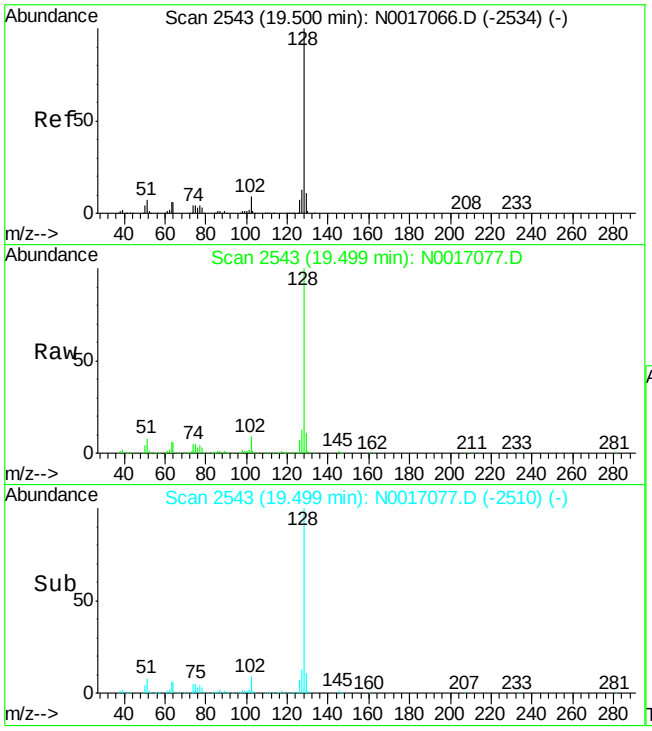


#85
n-Butylbenzene
Concen: 2.24 ug/L
RT: 17.28 min Scan# 2178
Delta R.T. -0.00 min
Lab File: N0017077.D
Acq: 12 Feb 2007 6:04 pm

Tgt Ion: 92 Resp: 35290

Ion	Ratio	Lower	Upper
92	100		
91	181.7	149.8	209.8
134	46.8	14.8	74.8

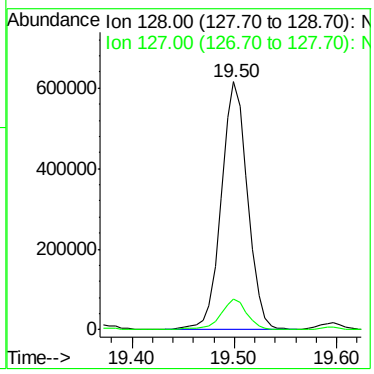




#91
Naphthalene
Concen: 38.51 ug/L
RT: 19.50 min Scan# 2543
Delta R.T. 0.00 min
Lab File: N0017077.D
Acq: 12 Feb 2007 6:04 pm

Tgt Ion:128 Resp: 1096329

Ion	Ratio	Lower	Upper
128	100		
127	12.6	0.0	42.6



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017078.D Vial: 15
Acq On : 12 Feb 2007 6:32 pm Operator: calvins
Sample : F47081-2 Inst : MSVOA8
Misc : ms7443,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 08:16:56 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

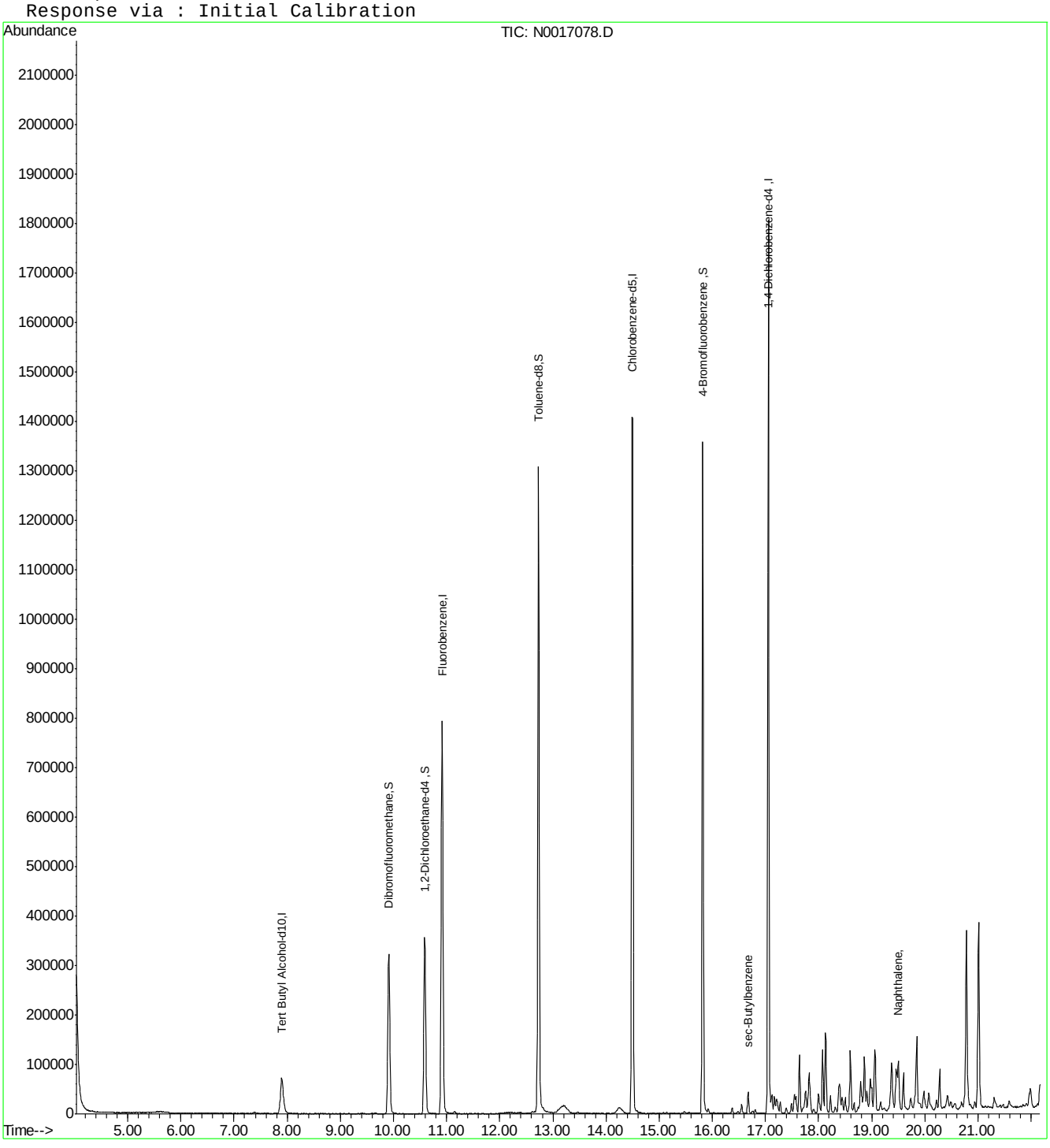
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	888132	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.50	117	860470	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	499038	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	159993	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	257478	53.34	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 106.68%			
38) 1,2-Dichloroethane-d4	10.59	65	352599	56.98	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 113.96%			
48) Toluene-d8	12.73	98	986018	45.11	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 90.22%			
69) 4-Bromofluorobenzene	15.82	95	510006	49.46	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 98.92%			
Target Compounds						Qvalue
81) sec-Butylbenzene	16.68	105	23582	0.72	ug/L	70
91) Naphthalene	19.50	128	88283	2.99	ug/L	99

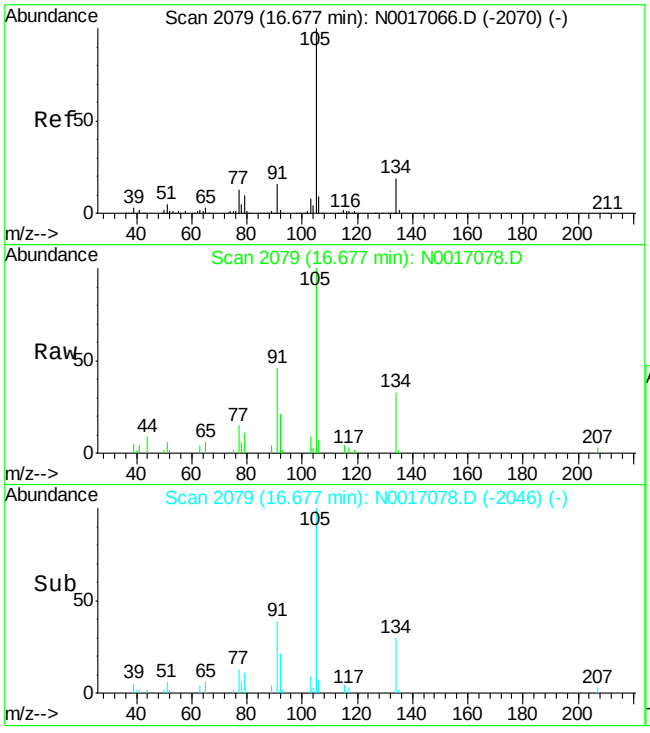
(#) = qualifier out of range (m) = manual integration (+) = signals summed
N0017078.D 8260N.M Tue Feb 13 10:37:59 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017078.D Vial: 15
Acq On : 12 Feb 2007 6:32 pm Operator: calvins
Sample : F47081-2 Inst : MSVOA8
Misc : ms7443,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 8:43 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration

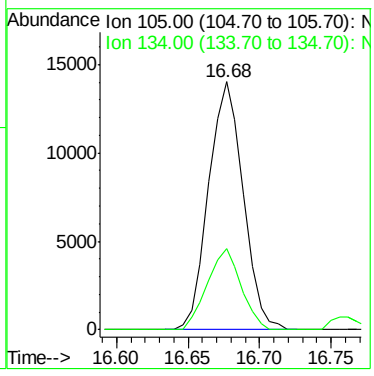


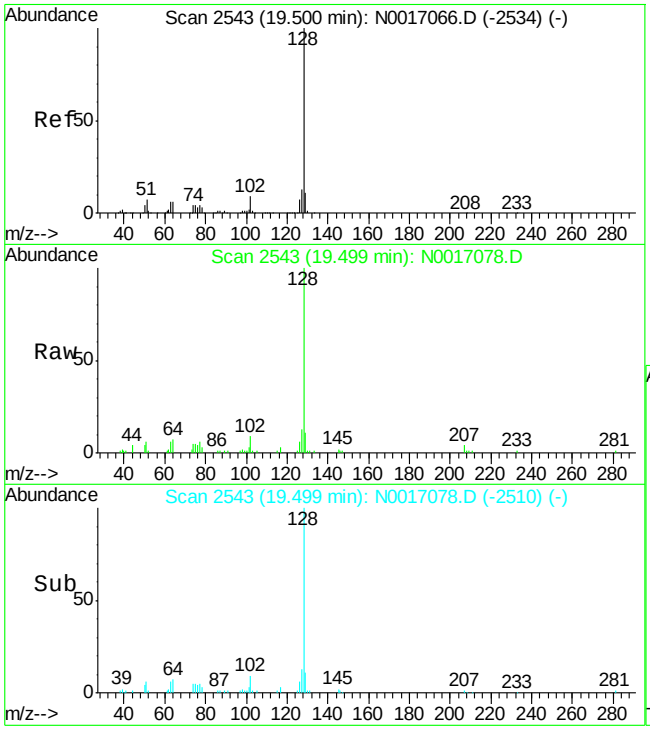


#81
sec-Butylbenzene
Concen: 0.72 ug/L
RT: 16.68 min Scan# 2079
Delta R.T. -0.00 min
Lab File: N0017078.D
Acq: 12 Feb 2007 6:32 pm

Tgt Ion:105 Resp: 23582

Ion	Ratio	Lower	Upper
105	100		
134	32.8	0.0	49.2

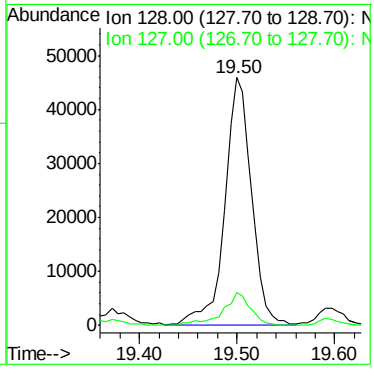




#91
Naphthalene
Concen: 2.99 ug/L
RT: 19.50 min Scan# 2543
Delta R.T. 0.00 min
Lab File: N0017078.D
Acq: 12 Feb 2007 6:32 pm

Tgt Ion:128 Resp: 88283

Ion	Ratio	Lower	Upper
128	100		
127	13.2	0.0	42.6



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017079.D Vial: 16
Acq On : 12 Feb 2007 7:01 pm Operator: calvins
Sample : F47081-3 Inst : MSVOA8
Misc : ms7443,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 08:16:58 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	913708	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.50	117	870685	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	503760	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	173974	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	263387	53.03	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 106.06%			
38) 1,2-Dichloroethane-d4	10.59	65	355228	55.80	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 111.60%			
48) Toluene-d8	12.73	98	1011458	45.73	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 91.46%			
69) 4-Bromofluorobenzene	15.82	95	514670	49.45	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 98.90%			

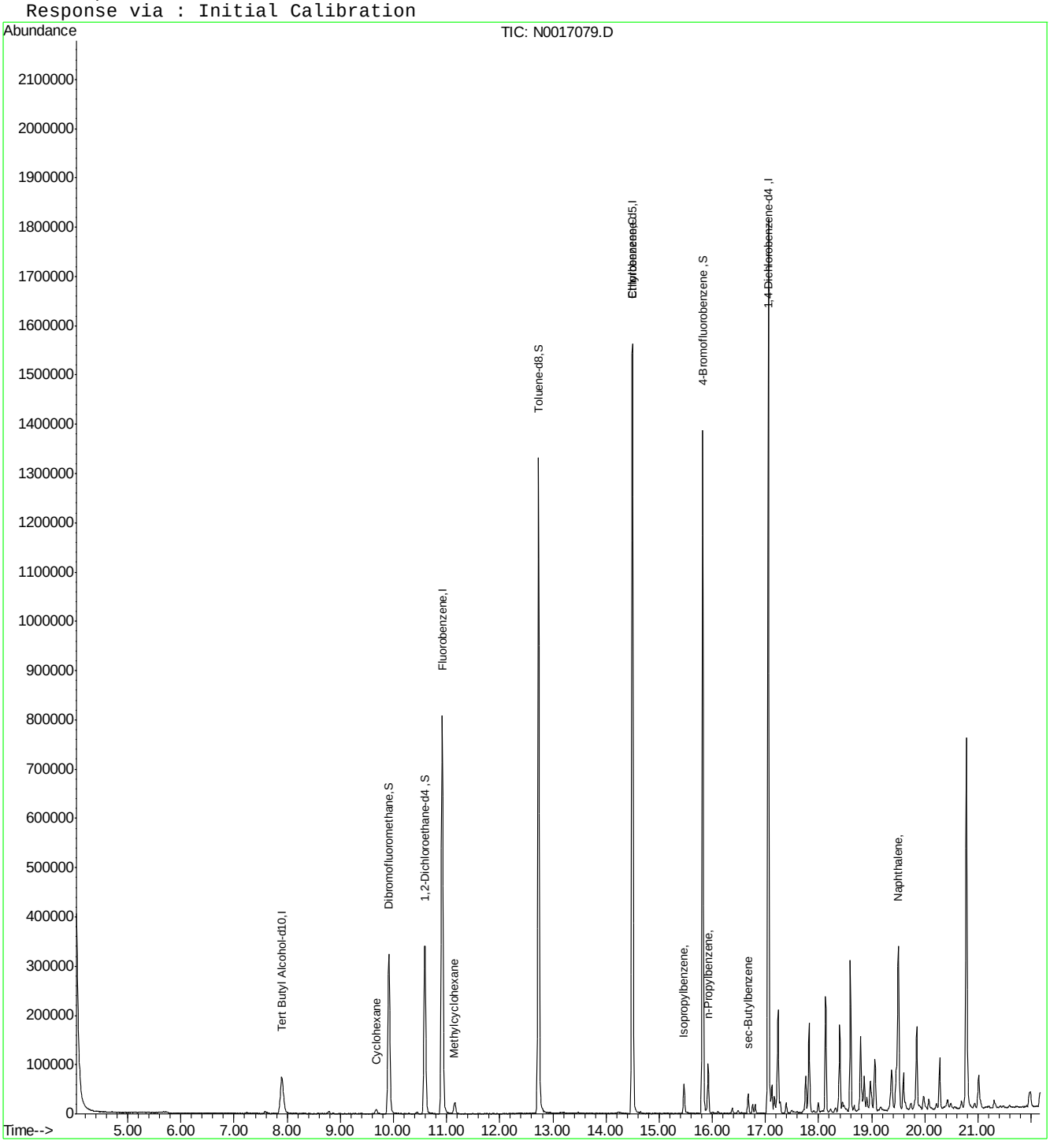
Target Compounds						Qvalue
28) Cyclohexane	9.67	56	6025	0.65	ug/L	87
41) Methylcyclohexane	11.15	83	12446	1.30	ug/L	86
60) Ethylbenzene	14.50	91	118660	3.68	ug/L	97
67) Isopropylbenzene	15.47	105	41330	1.44	ug/L	100
70) n-Propylbenzene	15.92	91	82706	2.19	ug/L	97
81) sec-Butylbenzene	16.68	105	24779	0.75	ug/L	87
91) Naphthalene	19.50	128	288759	9.69	ug/L	98

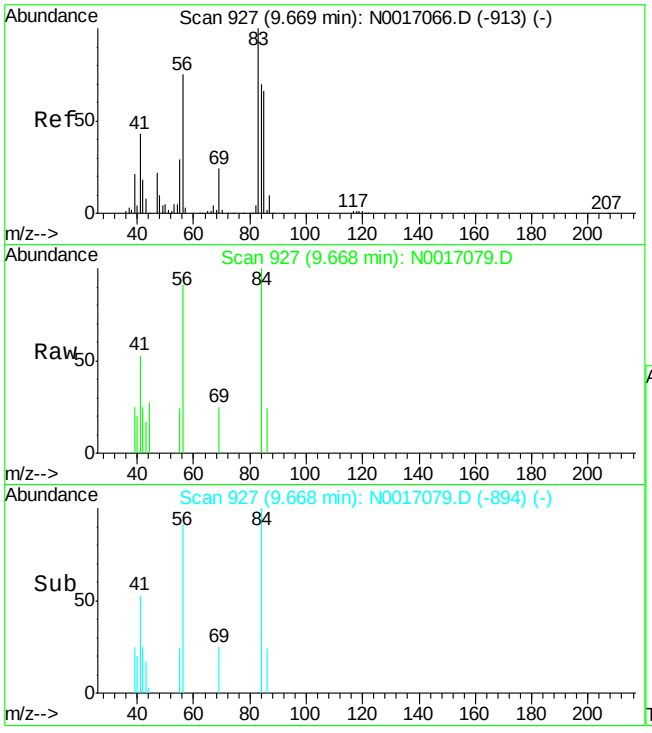
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017079.D Vial: 16
Acq On : 12 Feb 2007 7:01 pm Operator: calvins
Sample : F47081-3 Inst : MSVOA8
Misc : ms7443,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 8:44 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration

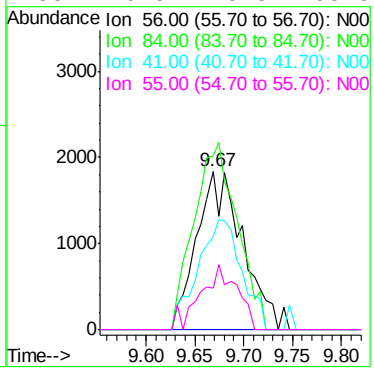


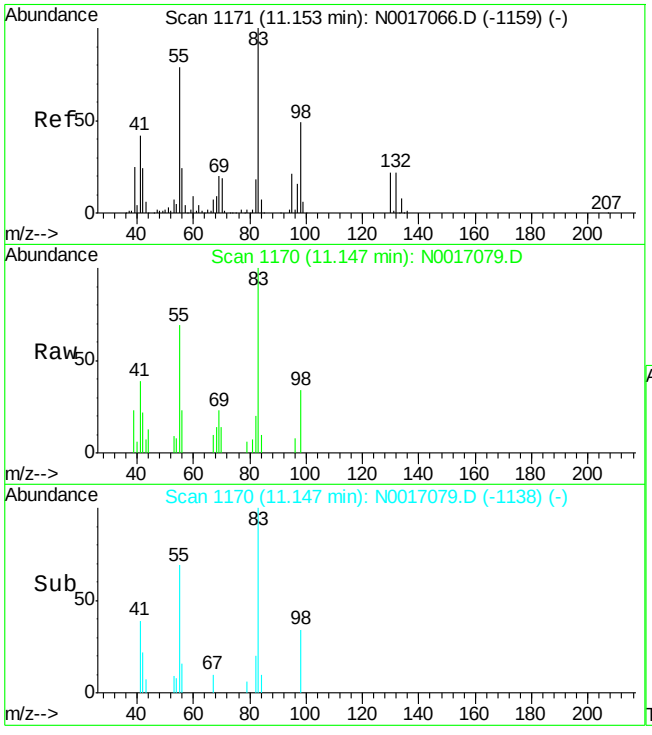


#28
Cyclohexane
Concen: 0.65 ug/L
RT: 9.67 min Scan# 927
Delta R.T. -0.00 min
Lab File: N0017079.D
Acq: 12 Feb 2007 7:01 pm

Tgt Ion: 56 Resp: 6025

Ion	Ratio	Lower	Upper
56	100		
84	110.1	73.7	113.7
41	58.5	39.0	79.0
55	26.3	18.3	58.3

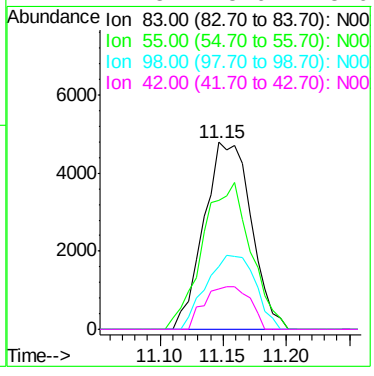


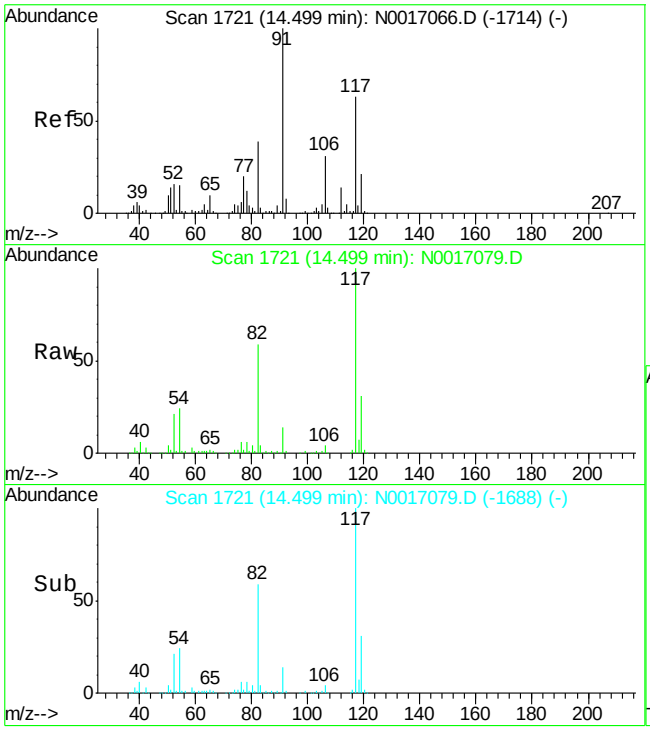


#41
Methylcyclohexane
Concen: 1.30 ug/L
RT: 11.15 min Scan# 1170
Delta R.T. -0.01 min
Lab File: N0017079.D
Acq: 12 Feb 2007 7:01 pm

Tgt Ion: 83 Resp: 12446

Ion	Ratio	Lower	Upper
83	100		
55	68.8	58.6	98.6
98	33.8	29.1	69.1
42	21.8	3.9	43.9

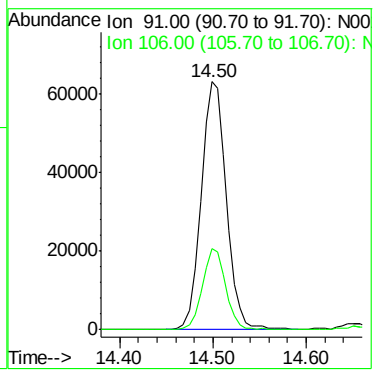


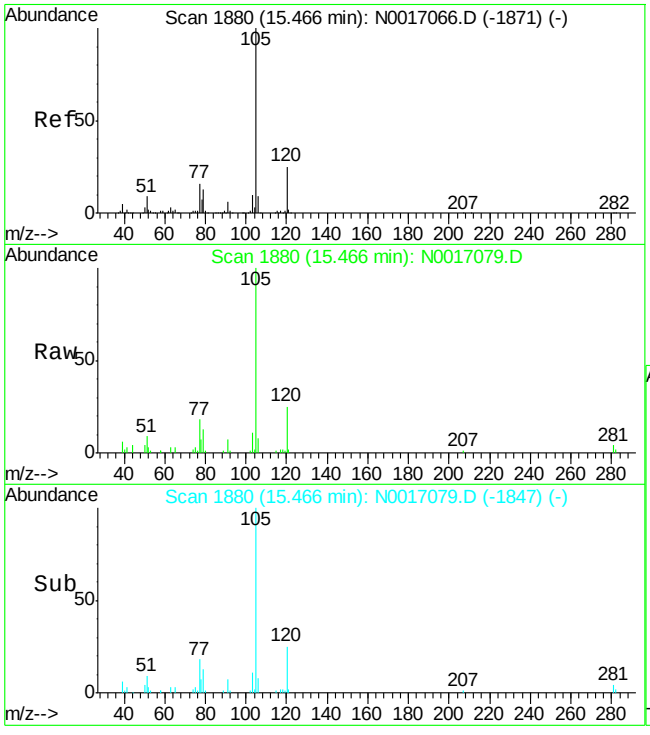


#60
Ethylbenzene
Concen: 3.68 ug/L
RT: 14.50 min Scan# 1721
Delta R.T. -0.00 min
Lab File: N0017079.D
Acq: 12 Feb 2007 7:01 pm

Tgt Ion: 91 Resp: 118660

Ion	Ratio	Lower	Upper
91	100		
106	32.9	1.2	61.2

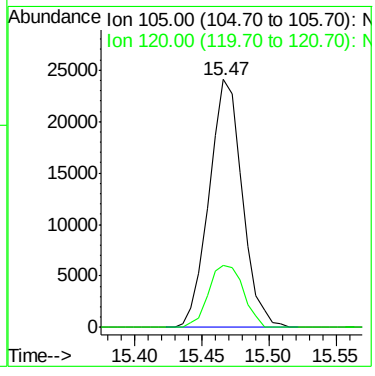


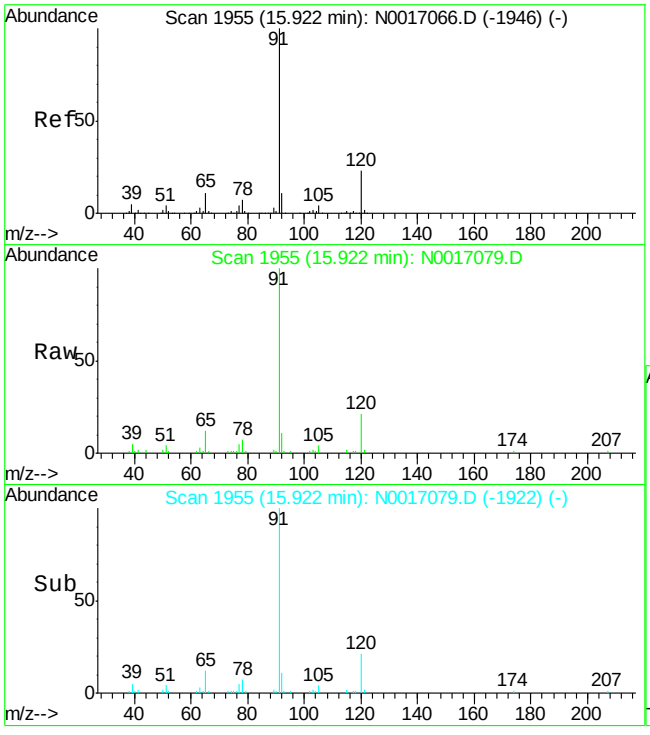


#67
Isopropylbenzene
Concen: 1.44 ug/L
RT: 15.47 min Scan# 1880
Delta R.T. -0.00 min
Lab File: N0017079.D
Acq: 12 Feb 2007 7:01 pm

Tgt Ion:105 Resp: 41330

Ion	Ratio	Lower	Upper
105	100		
120	25.1	0.0	55.1

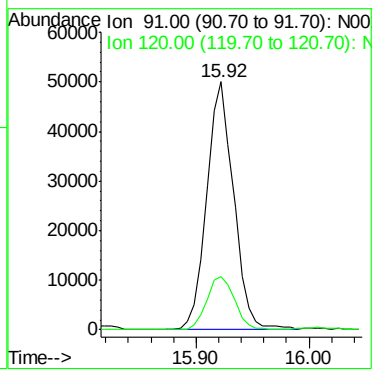


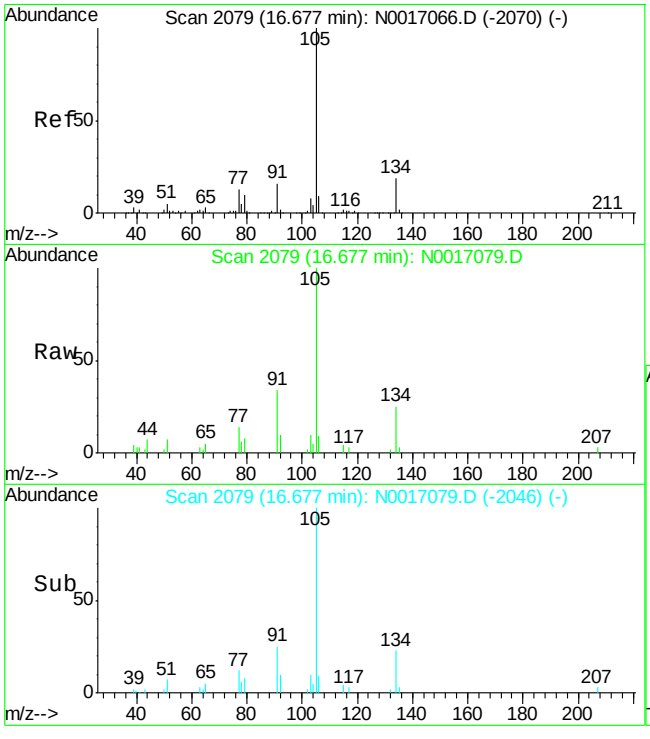


#70
n-Propylbenzene
Concen: 2.19 ug/L
RT: 15.92 min Scan# 1955
Delta R.T. -0.00 min
Lab File: N0017079.D
Acq: 12 Feb 2007 7:01 pm

Tgt Ion: 91 Resp: 82706

Ion	Ratio	Lower	Upper
91	100		
120	21.3	0.0	52.7

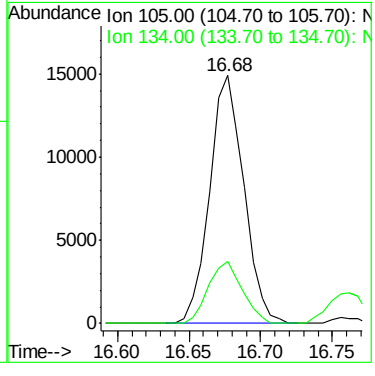


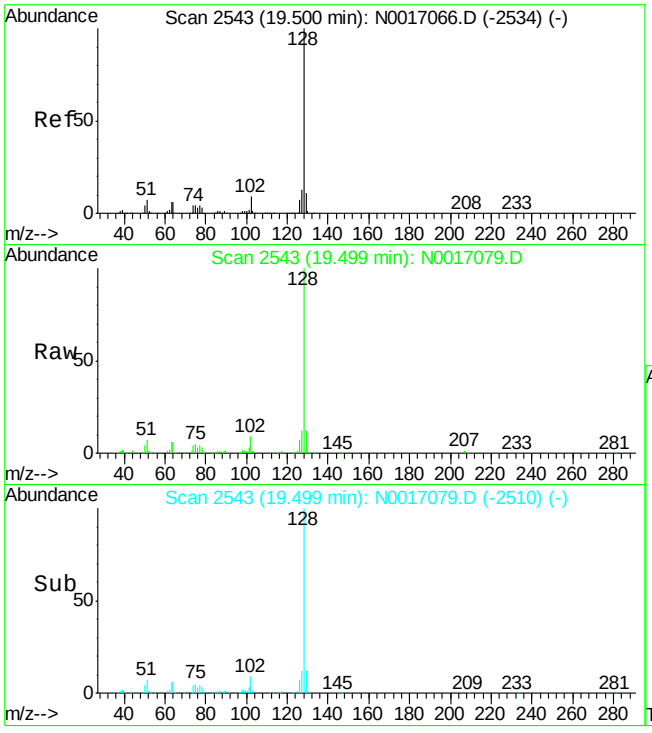


#81
sec-Butylbenzene
Concen: 0.75 ug/L
RT: 16.68 min Scan# 2079
Delta R.T. -0.00 min
Lab File: N0017079.D
Acq: 12 Feb 2007 7:01 pm

Tgt Ion:105 Resp: 24779

Ion	Ratio	Lower	Upper
105	100		
134	25.1	0.0	49.2

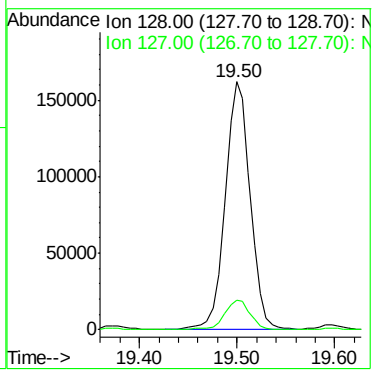




#91
Naphthalene
Concen: 9.69 ug/L
RT: 19.50 min Scan# 2543
Delta R.T. 0.00 min
Lab File: N0017079.D
Acq: 12 Feb 2007 7:01 pm

Tgt Ion:128 Resp: 288759

Ion	Ratio	Lower	Upper
128	100		
127	11.9	0.0	42.6



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017080.D Vial: 17
Acq On : 12 Feb 2007 7:29 pm Operator: calvins
Sample : F47081-4 Inst : MSVOA8
Misc : ms7443,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 08:17:00 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

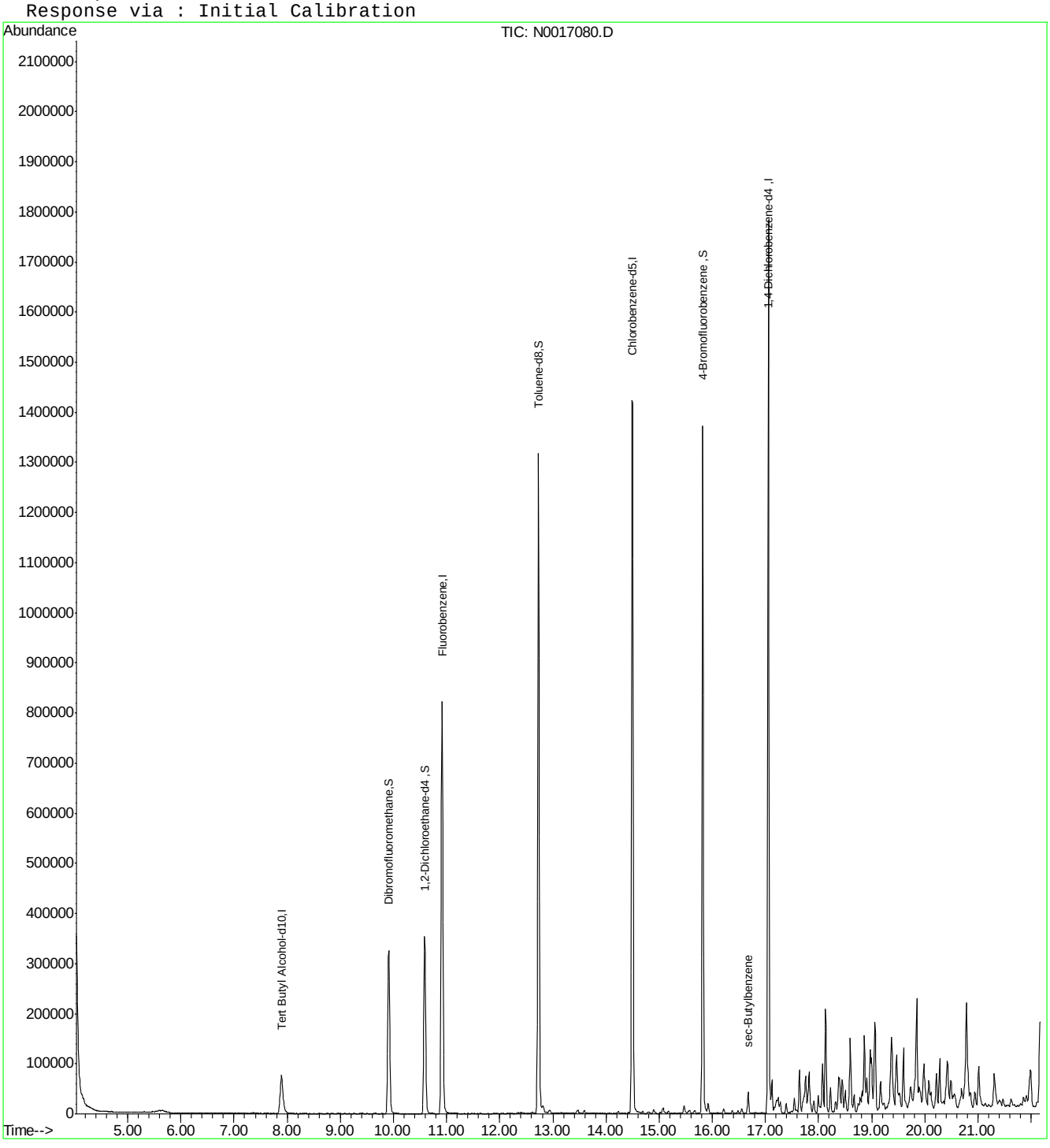
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	901898	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.50	117	872248	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	504348	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.89	65	162801	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	261285	53.30	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 106.60%			
38) 1,2-Dichloroethane-d4	10.59	65	348462	55.45	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 110.90%			
48) Toluene-d8	12.73	98	998913	45.08	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 90.16%			
69) 4-Bromofluorobenzene	15.82	95	506886	48.64	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 97.28%			
Target Compounds						Qvalue
81) sec-Butylbenzene	16.68	105	23543	0.71	ug/L	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed
N0017080.D 8260N.M Tue Feb 13 10:38:21 2007

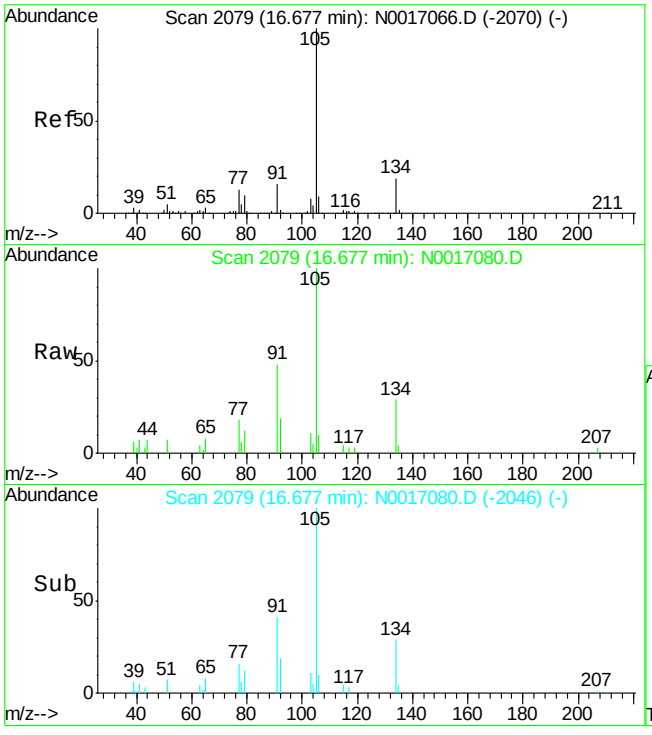
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017080.D Vial: 17
Acq On : 12 Feb 2007 7:29 pm Operator: calvins
Sample : F47081-4 Inst : MSVOA8
Misc : ms7443,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 8:45 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration



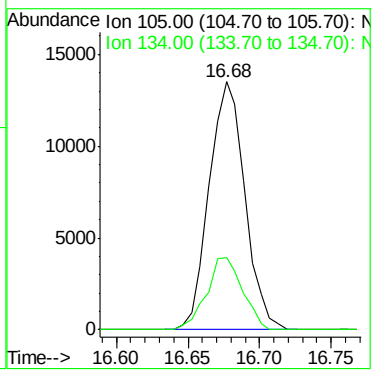
N0017080.D 8260N.M Tue Feb 13 10:38:22 2007 Page 2



#81
sec-Butylbenzene
Concen: 0.71 ug/L
RT: 16.68 min Scan# 2079
Delta R.T. -0.00 min
Lab File: N0017080.D
Acq: 12 Feb 2007 7:29 pm

Tgt Ion:105 Resp: 23543

Ion	Ratio	Lower	Upper
105	100		
134	29.3	0.0	49.2



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017081.D Vial: 18
Acq On : 12 Feb 2007 7:58 pm Operator: calvins
Sample : F47081-5 Inst : MSVOA8
Misc : ms7443,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 08:17:02 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

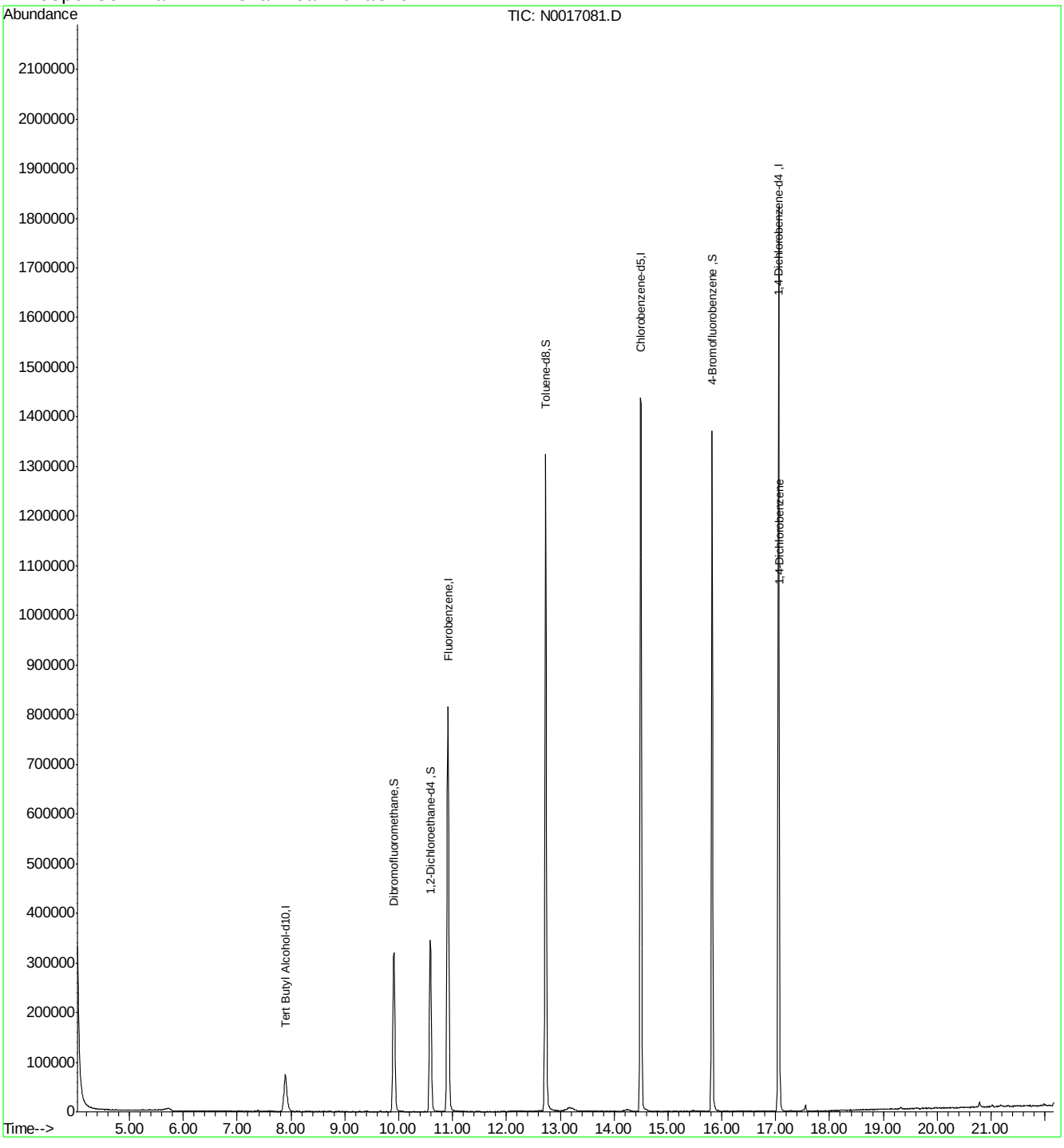
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	917316	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.50	117	888276	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	505844	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.89	65	163767	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	264126	52.97	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 105.94%			
38) 1,2-Dichloroethane-d4	10.59	65	350759	54.88	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 109.76%			
48) Toluene-d8	12.73	98	1011501	44.83	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 89.66%			
69) 4-Bromofluorobenzene	15.82	95	513232	49.11	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 98.22%			
Target Compounds						Qvalue
84) 1,4-Dichlorobenzene	17.07	146	21165	1.38	ug/L #	74

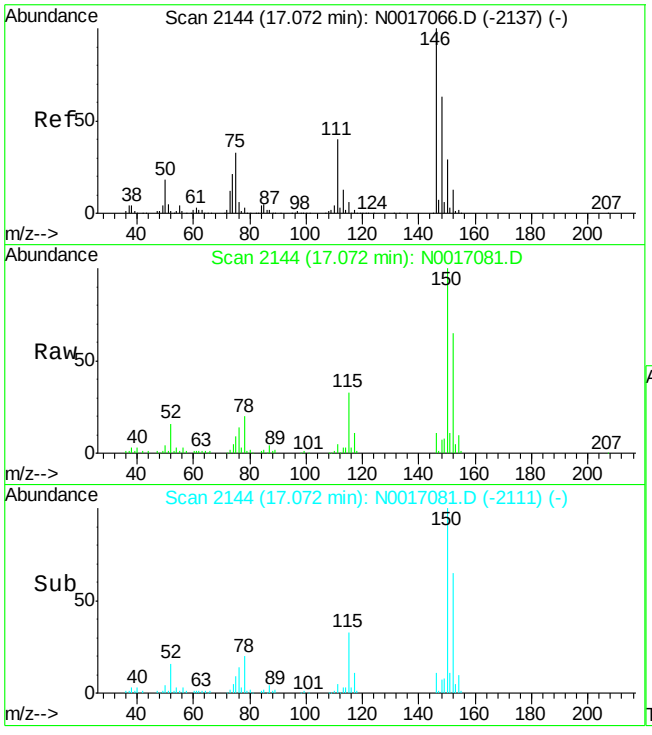
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017081.D Vial: 18
Acq On : 12 Feb 2007 7:58 pm Operator: calvins
Sample : F47081-5 Inst : MSVOA8
Misc : ms7443,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 8:45 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration

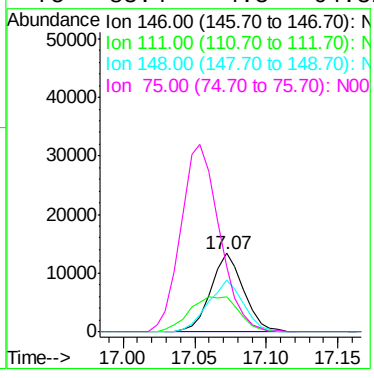




#84
1,4-Dichlorobenzene
Concen: 1.38 ug/L
RT: 17.07 min Scan# 2144
Delta R.T. -0.00 min
Lab File: N0017081.D
Acq: 12 Feb 2007 7:58 pm

Tgt Ion:146 Resp: 21165

Ion	Ratio	Lower	Upper
146	100		
111	44.1	9.7	69.7
148	66.5	32.9	92.9
75	83.4	4.3	64.3#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017082.D Vial: 19
Acq On : 12 Feb 2007 8:26 pm Operator: calvins
Sample : F47081-6 Inst : MSVOA8
Misc : ms7443,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 08:17:04 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	909456	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.50	117	875074	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	496126	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	156649	250.00	ug/L	0.00

System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	259519	52.50	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 105.00%			
38) 1,2-Dichloroethane-d4	10.59	65	336414	53.09	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 106.18%			
48) Toluene-d8	12.73	98	990783	44.57	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 89.14%			
69) 4-Bromofluorobenzene	15.82	95	497704	48.55	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 97.10%			

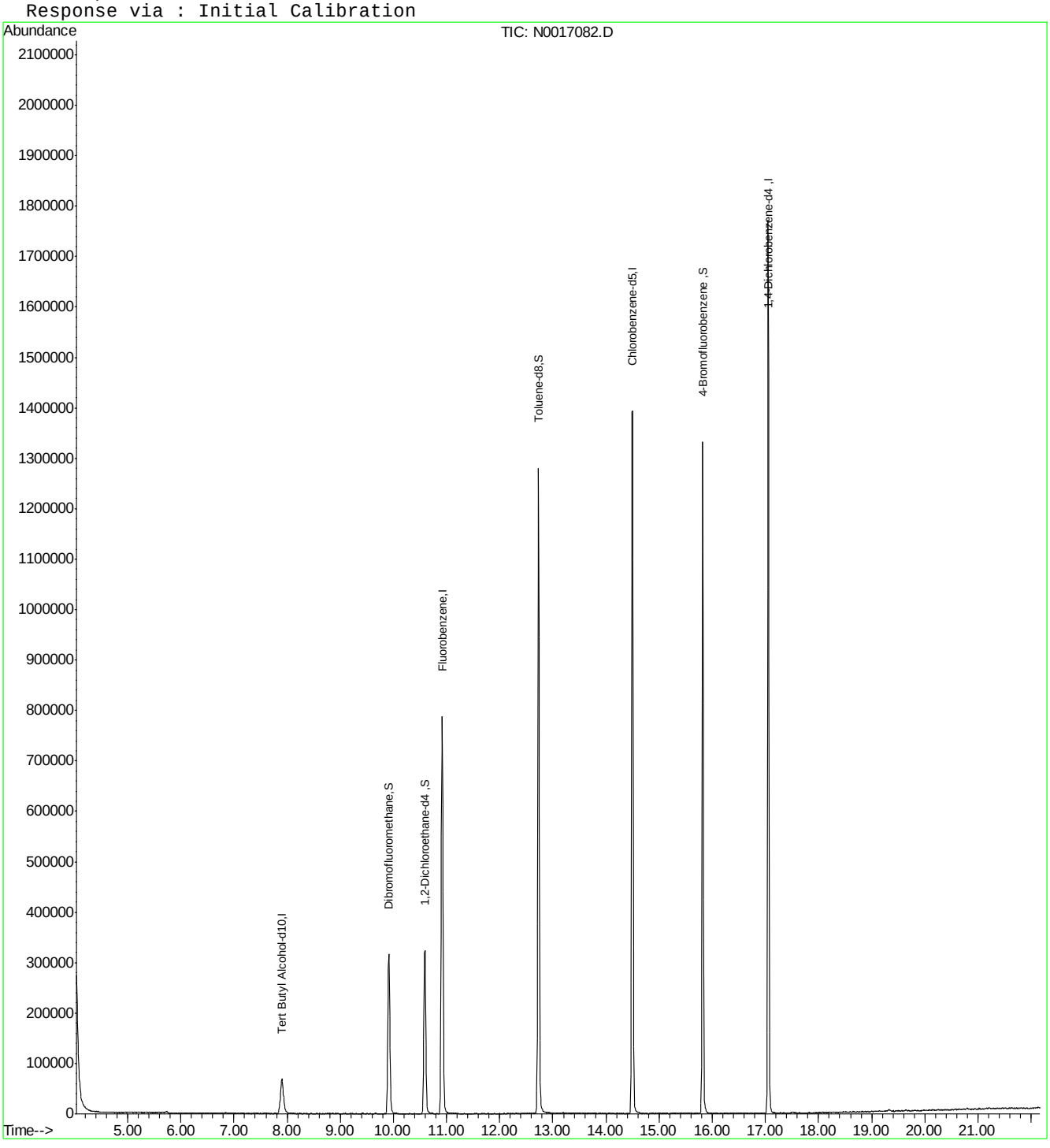
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
N0017082.D 8260N.M Tue Feb 13 10:38:36 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017082.D Vial: 19
Acq On : 12 Feb 2007 8:26 pm Operator: calvins
Sample : F47081-6 Inst : MSVOA8
Misc : ms7443,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 8:17 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017981.D Vial: 4
Acq On : 14 Feb 2007 10:39 am Operator: calvins
Sample : F47081-7 Inst : MSVOA7
Misc : ms7459,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 11:36:03 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.08	96	1491885	50.00	ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1347715	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	850848	50.00	ug/L	0.00
93) Tert Butyl alcohol-d10	7.30	65	318357	250.00	ug/L	0.00

System Monitoring Compounds

31) Dibromofluoromethane	9.37	113	477098	55.41	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 110.82%			
36) 1,2-Dichloroethane-d4	9.79	65	757216	56.86	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 113.72%			
50) Toluene-d8	11.74	98	1499413	49.93	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 99.86%			
70) 4-Bromofluorobenzene	14.61	95	807069	47.94	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 95.88%			

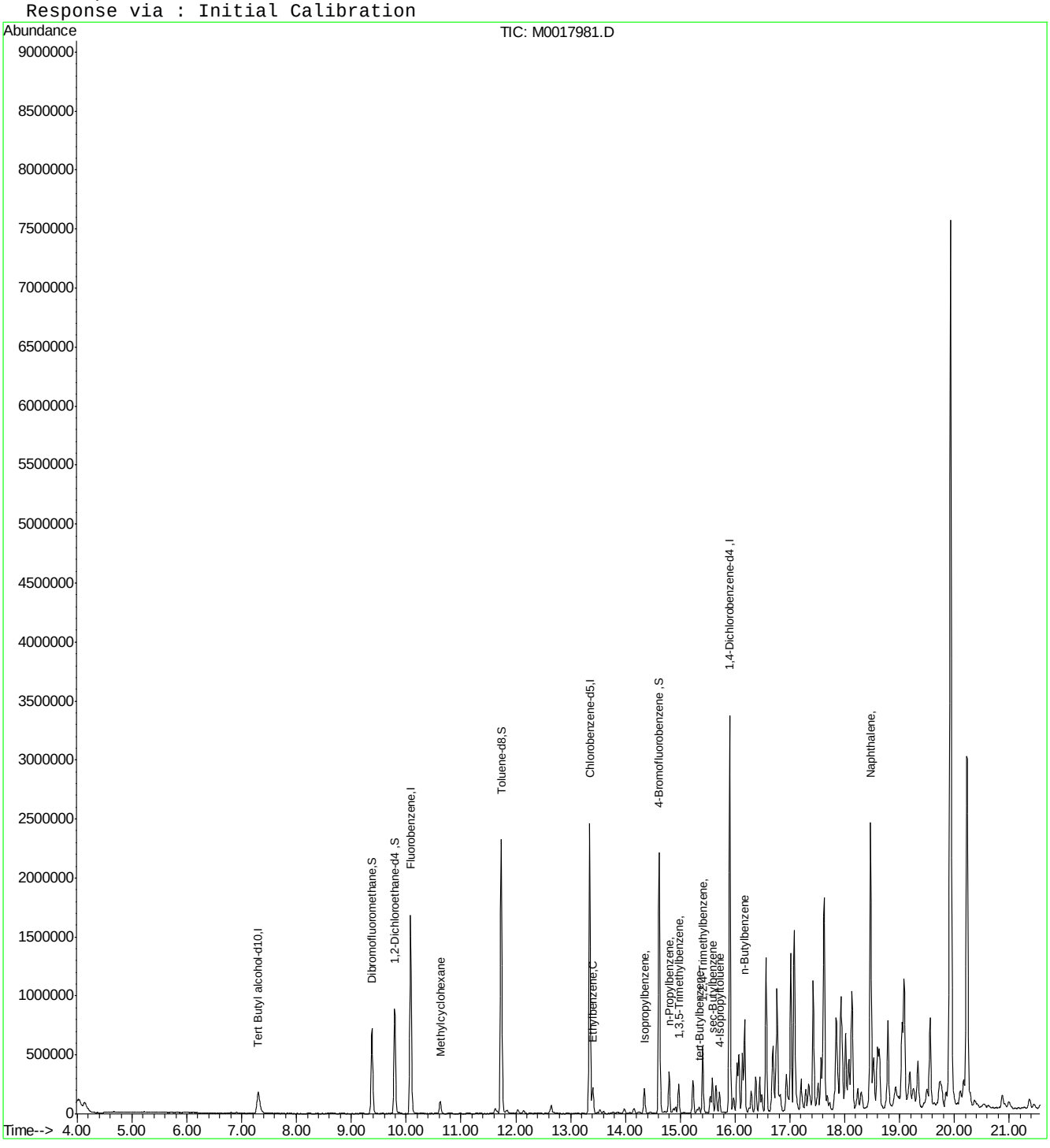
Target Compounds						Qvalue
41) Methylcyclohexane	10.62	83	36671	2.66	ug/L	98
61) Ethylbenzene	13.41	91	144806	3.16	ug/L	95
68) Isopropylbenzene	14.35	105	140505	3.01	ug/L	97
73) n-Propylbenzene	14.80	91	289937	4.86	ug/L	99
76) 1,3,5-Trimethylbenzene	14.97	105	137373	3.02	ug/L	99
79) tert-Butylbenzene	15.34	91	20580	0.75	ug/L	97
80) 1,2,4-Trimethylbenzene	15.41	105	328014	6.68	ug/L	97
81) sec-Butylbenzene	15.59	105	218357	3.88	ug/L	97
82) 4-Isopropyltoluene	15.72	119	107855	2.26	ug/L	99
86) n-Butylbenzene	16.18	91	166672	3.73	ug/L	86
91) Naphthalene	18.47	128	1710085	34.85	ug/L	99

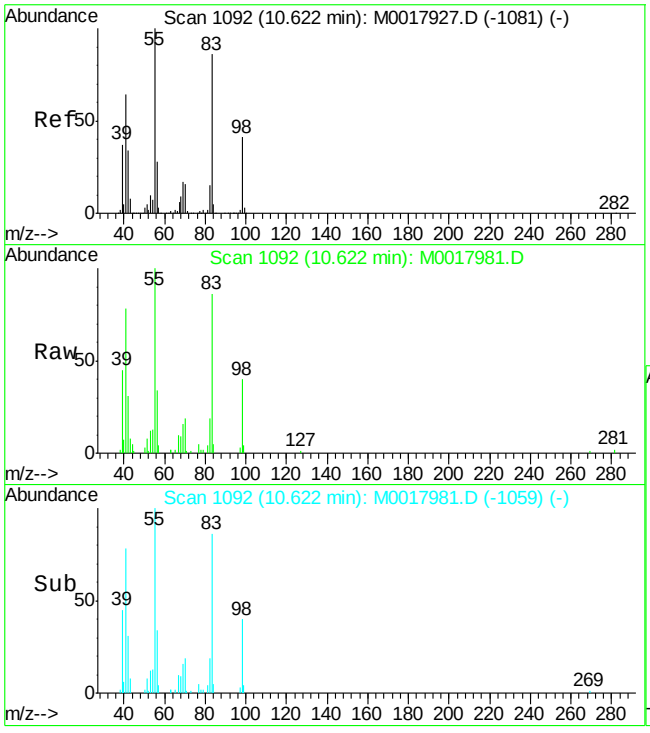
(#) = qualifier out of range (m) = manual integration (+) = signals summed
M0017981.D 8260M.M Wed Feb 14 14:23:22 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017981.D Vial: 4
Acq On : 14 Feb 2007 10:39 am Operator: calvins
Sample : F47081-7 Inst : MSVOA7
Misc : ms7459,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 11:37 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration

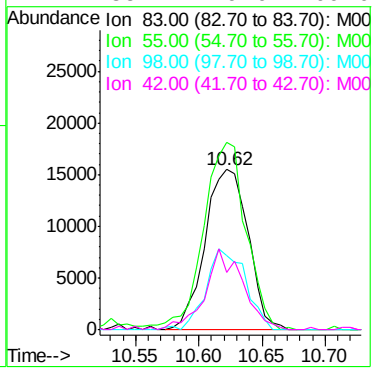


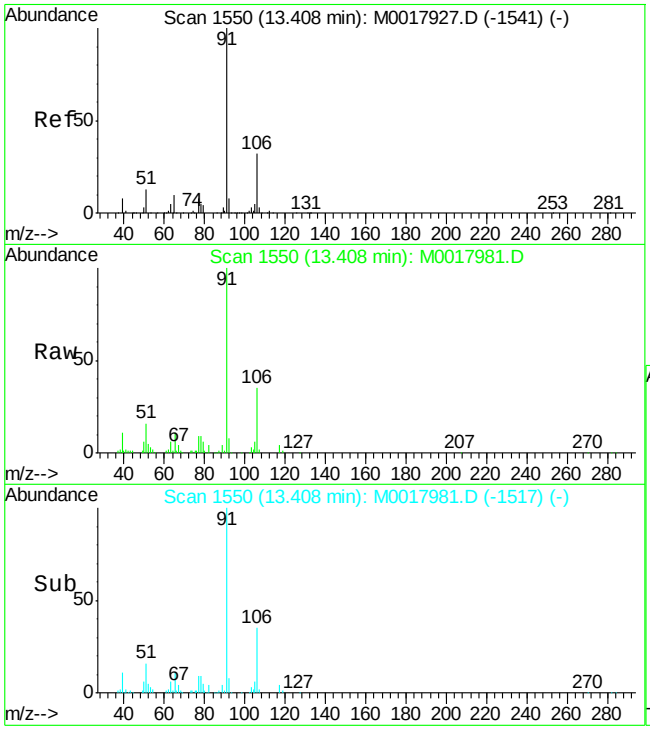


#41
Methylcyclohexane
Concen: 2.66 ug/L
RT: 10.62 min Scan# 1092
Delta R.T. 0.00 min
Lab File: M0017981.D
Acq: 14 Feb 2007 10:39 am

Tgt Ion: 83 Resp: 36671

Ion	Ratio	Lower	Upper
83	100		
55	116.9	86.0	146.0
98	46.4	17.2	77.2
42	35.7	9.6	69.6

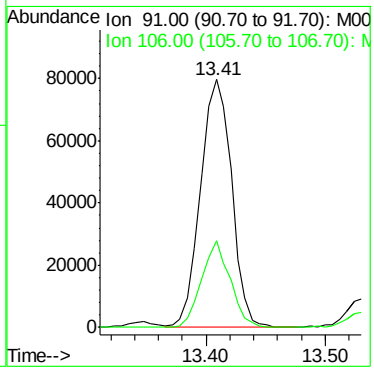


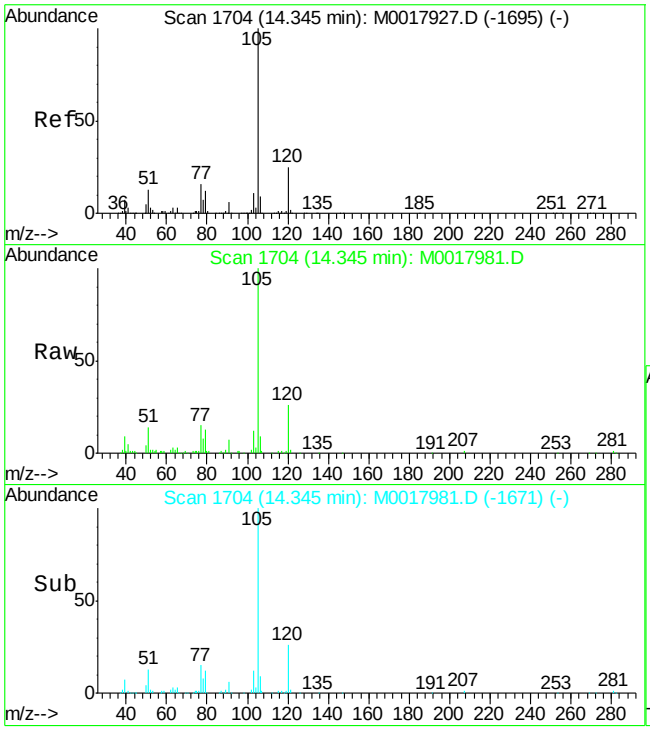


#61
Ethylbenzene
Concen: 3.16 ug/L
RT: 13.41 min Scan# 1550
Delta R.T. -0.00 min
Lab File: M0017981.D
Acq: 14 Feb 2007 10:39 am

Tgt Ion: 91 Resp: 144806

Ion	Ratio	Lower	Upper
91	100		
106	35.1	2.4	62.4

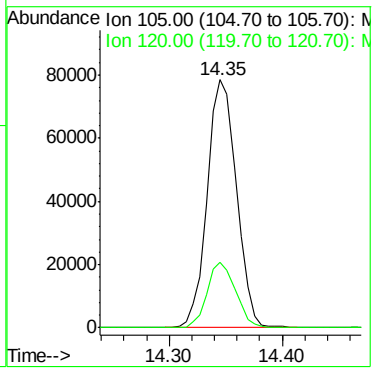


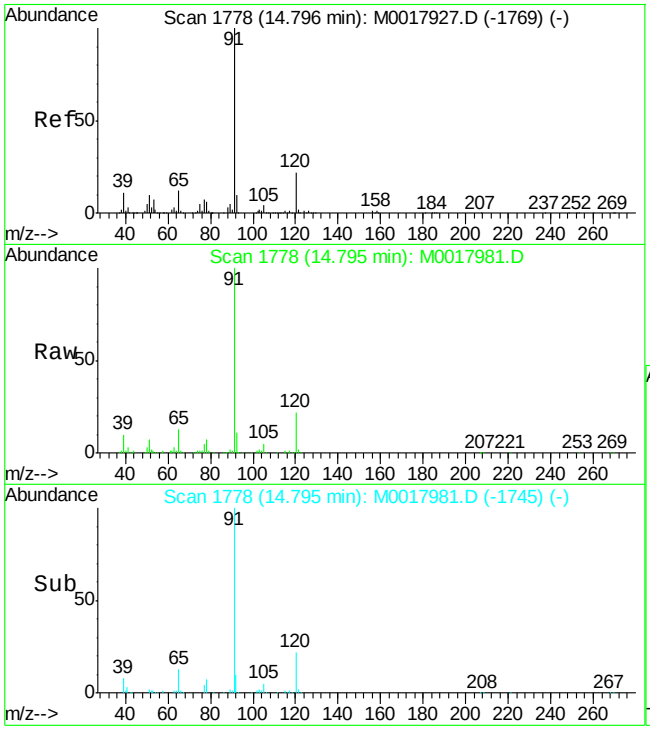


#68
Isopropylbenzene
Concen: 3.01 ug/L
RT: 14.35 min Scan# 1704
Delta R.T. -0.00 min
Lab File: M0017981.D
Acq: 14 Feb 2007 10:39 am

Tgt Ion:105 Resp: 140505

Ion	Ratio	Lower	Upper
105	100		
120	26.5	0.0	55.1

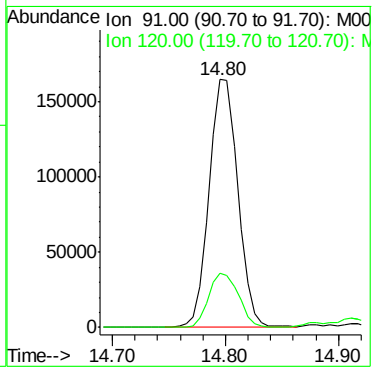


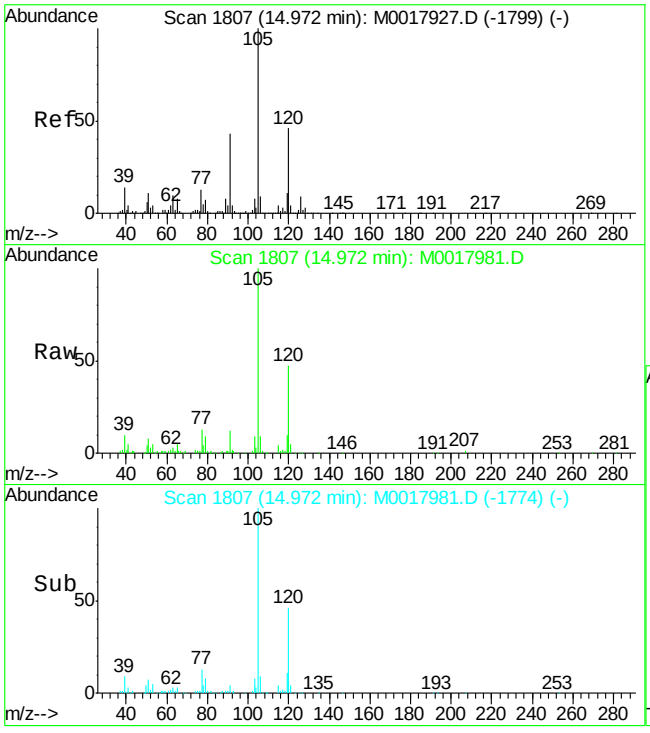


#73
n-Propylbenzene
Concen: 4.86 ug/L
RT: 14.80 min Scan# 1778
Delta R.T. -0.00 min
Lab File: M0017981.D
Acq: 14 Feb 2007 10:39 am

Tgt Ion: 91 Resp: 289937

Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	52.2

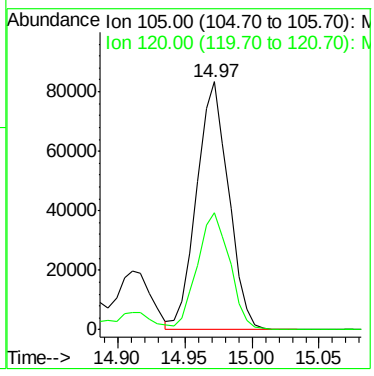


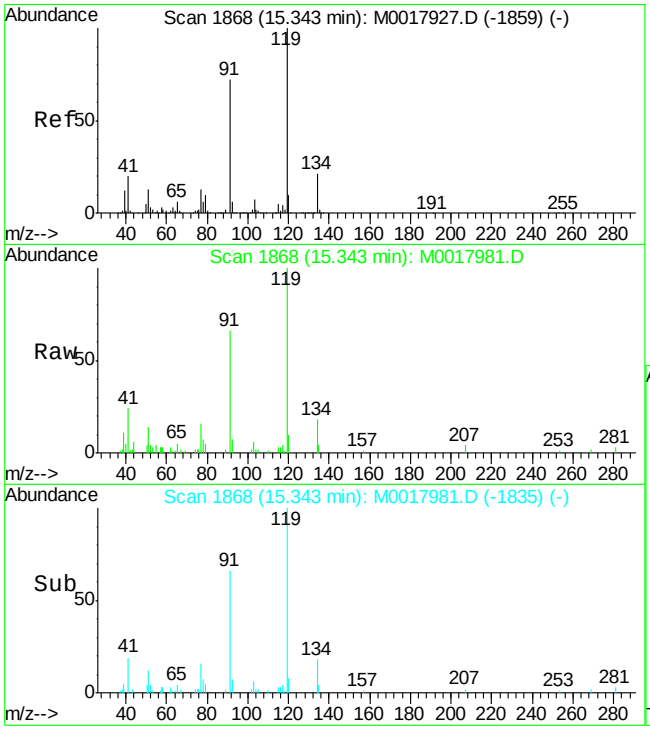


#76
1,3,5-Trimethylbenzene
Concen: 3.02 ug/L
RT: 14.97 min Scan# 1807
Delta R.T. -0.00 min
Lab File: M0017981.D
Acq: 14 Feb 2007 10:39 am

Tgt Ion:105 Resp: 137373

Ion	Ratio	Lower	Upper
105	100		
120	47.1	16.5	76.5

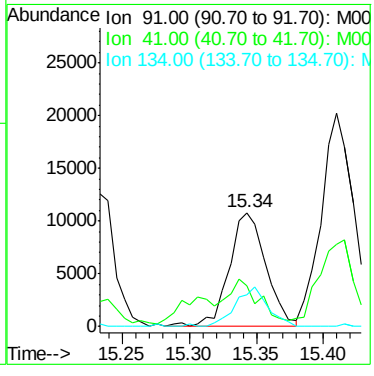


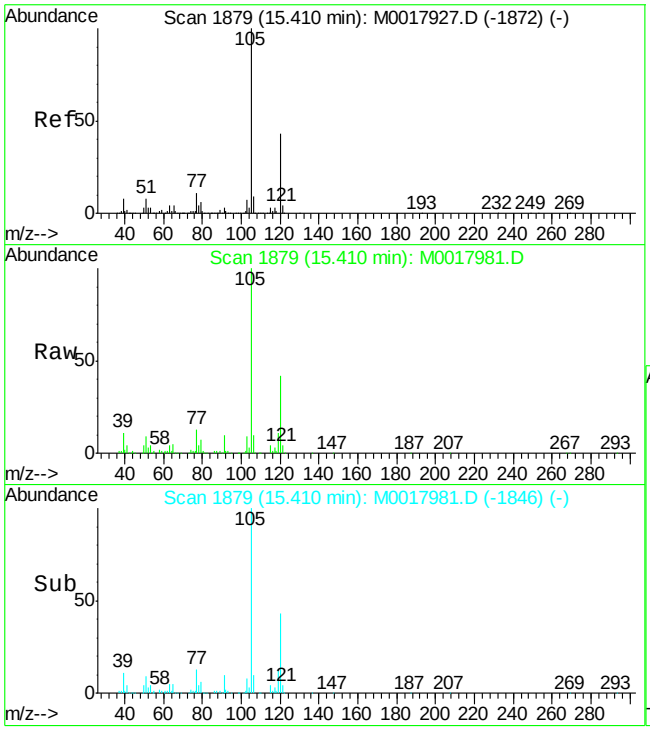


#79
tert-Butylbenzene
Concen: 0.75 ug/L
RT: 15.34 min Scan# 1868
Delta R.T. -0.00 min
Lab File: M0017981.D
Acq: 14 Feb 2007 10:39 am

Tgt Ion: 91 Resp: 20580

Ion	Ratio	Lower	Upper
91	100		
41	29.6	0.0	58.1
134	27.6	0.0	59.4

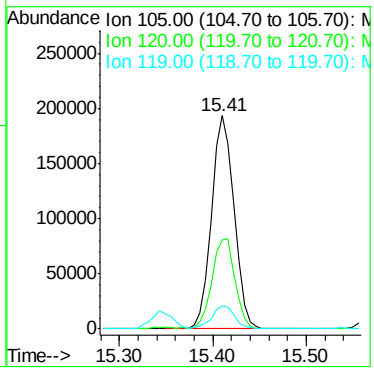


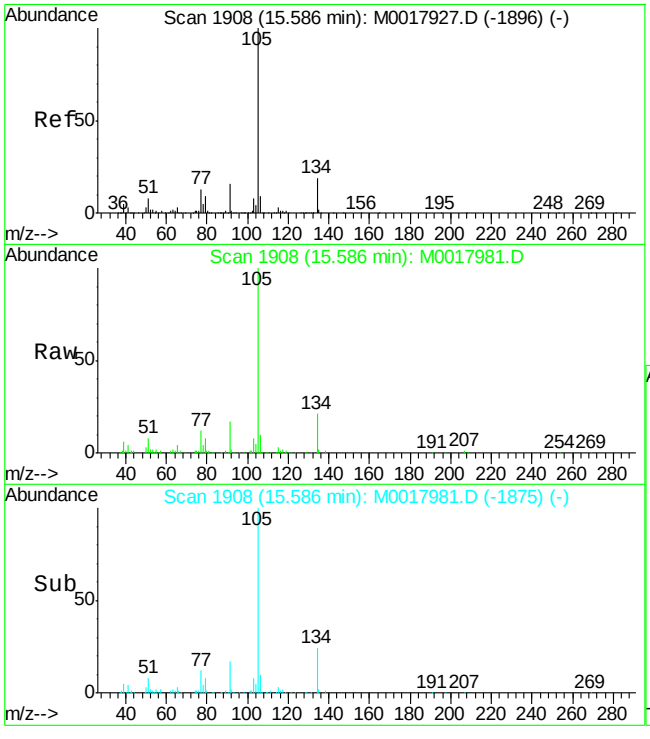


#80
1,2,4-Trimethylbenzene
Concen: 6.68 ug/L
RT: 15.41 min Scan# 1879
Delta R.T. -0.00 min
Lab File: M0017981.D
Acq: 14 Feb 2007 10:39 am

Tgt Ion:105 Resp: 328014

Ion	Ratio	Lower	Upper
105	100		
120	41.8	14.1	74.1
119	10.8	0.0	41.0

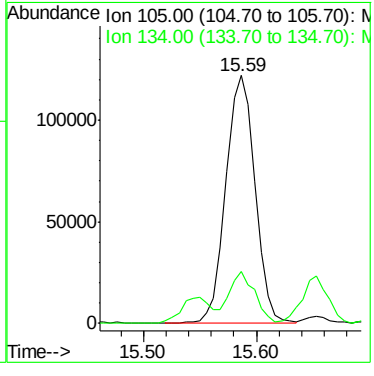


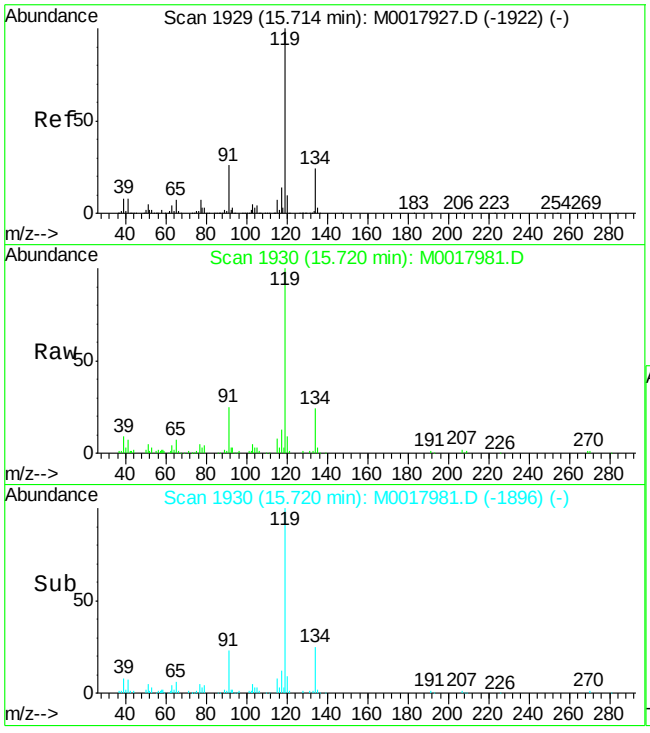


#81
sec-Butylbenzene
Concen: 3.88 ug/L
RT: 15.59 min Scan# 1908
Delta R.T. -0.00 min
Lab File: M0017981.D
Acq: 14 Feb 2007 10:39 am

Tgt Ion:105 Resp: 218357

Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	48.6

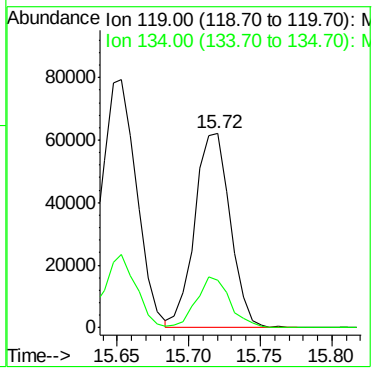


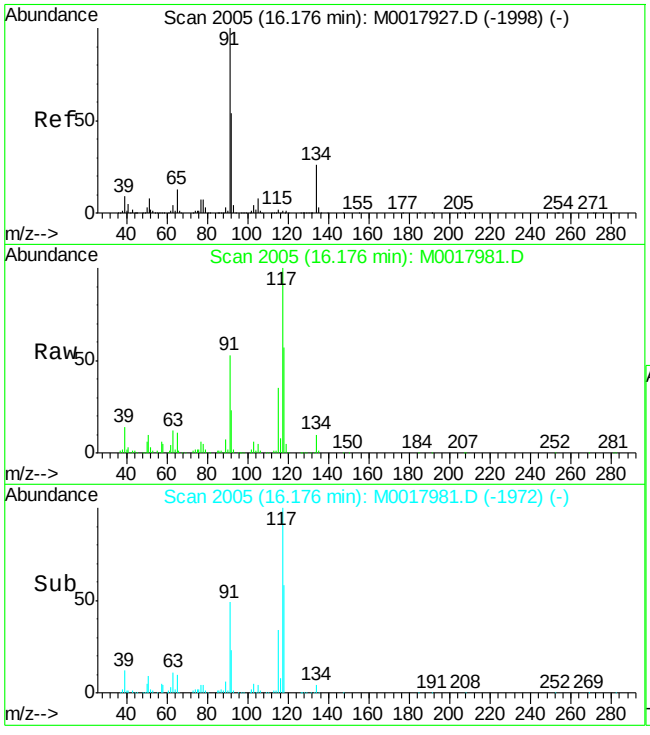


#82
4-Isopropyltoluene
Concen: 2.26 ug/L
RT: 15.72 min Scan# 1930
Delta R.T. 0.01 min
Lab File: M0017981.D
Acq: 14 Feb 2007 10:39 am

Tgt Ion:119 Resp: 107855

Ion	Ratio	Lower	Upper
119	100		
134	24.5	0.0	54.0

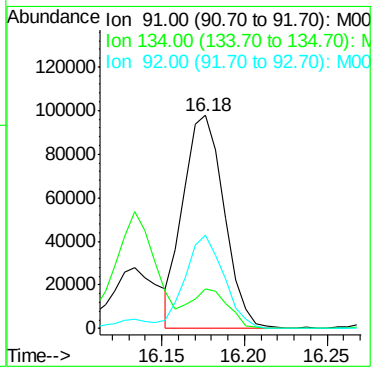


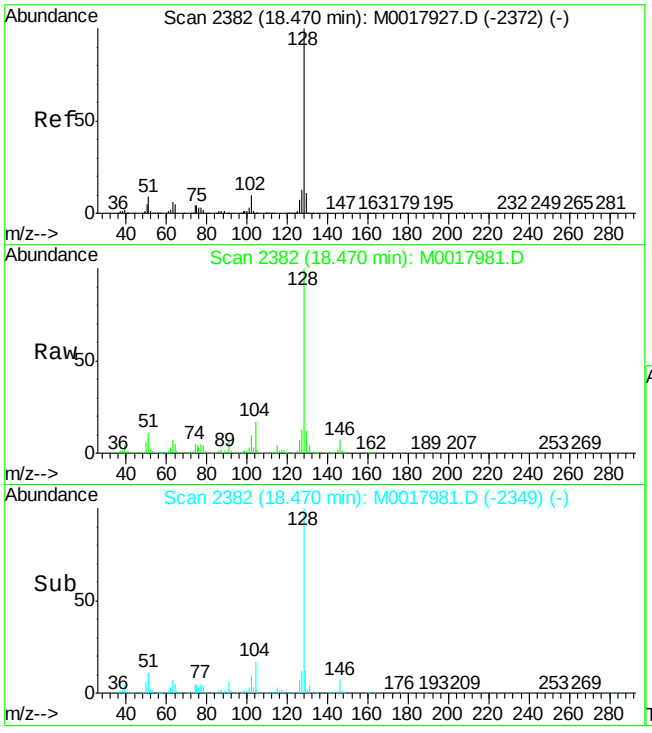


#86
n-Butylbenzene
Concen: 3.73 ug/L
RT: 16.18 min Scan# 2005
Delta R.T. -0.00 min
Lab File: M0017981.D
Acq: 14 Feb 2007 10:39 am

Tgt Ion: 91 Resp: 166672

Ion	Ratio	Lower	Upper
91	100		
134	18.2	0.0	55.5
92	43.8	24.1	84.1

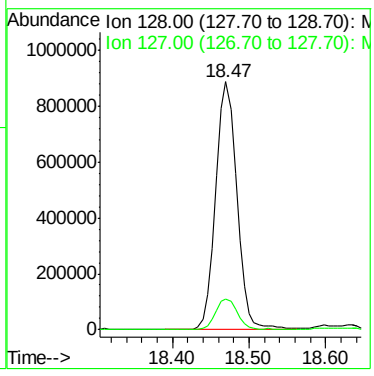




#91
Naphthalene
Concen: 34.85 ug/L
RT: 18.47 min Scan# 2382
Delta R.T. -0.00 min
Lab File: M0017981.D
Acq: 14 Feb 2007 10:39 am

Tgt Ion:128 Resp: 1710085

Ion	Ratio	Lower	Upper
128	100		
127	12.5	0.0	42.7



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017958.D Vial: 8
Acq On : 13 Feb 2007 12:52 pm Operator: calvins
Sample : F47081-8 Inst : MSVOA7
Misc : ms7459,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 13:49:02 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.08	96	1378169	50.00	ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1233860	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	742344	50.00	ug/L	0.00
93) Tert Butyl alcohol-d10	7.30	65	258602	250.00	ug/L	0.00

System Monitoring Compounds						
31) Dibromofluoromethane	9.38	113	432270	54.35	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 108.70%			
36) 1,2-Dichloroethane-d4	9.79	65	666904	54.21	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 108.42%			
50) Toluene-d8	11.74	98	1367602	49.74	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 99.48%			
70) 4-Bromofluorobenzene	14.61	95	719283	48.97	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 97.94%			

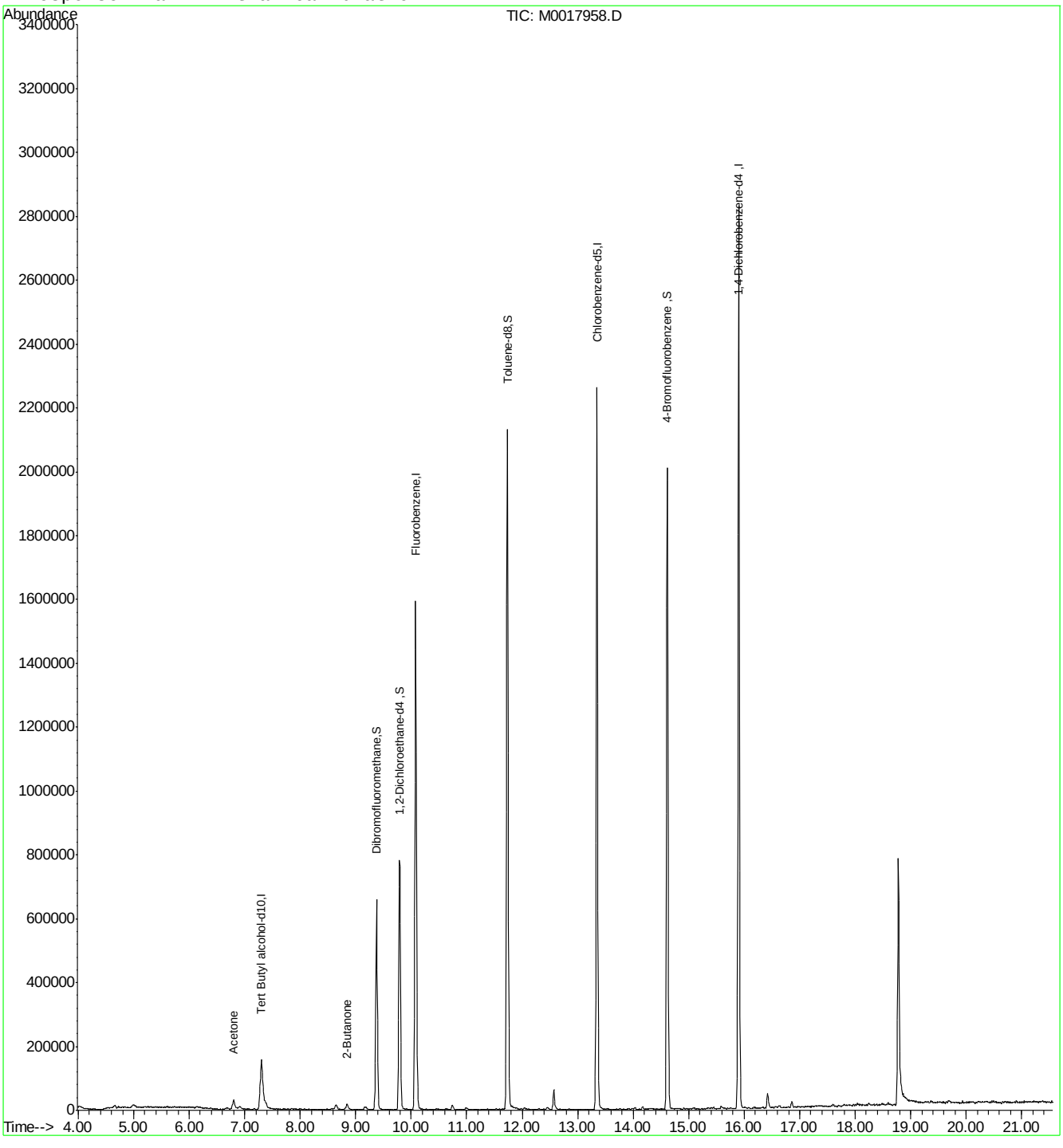
Target Compounds						Qvalue
12) Acetone	6.80	43	65189	9.76	ug/L	96
25) 2-Butanone	8.85	43	32025	4.30	ug/L	92

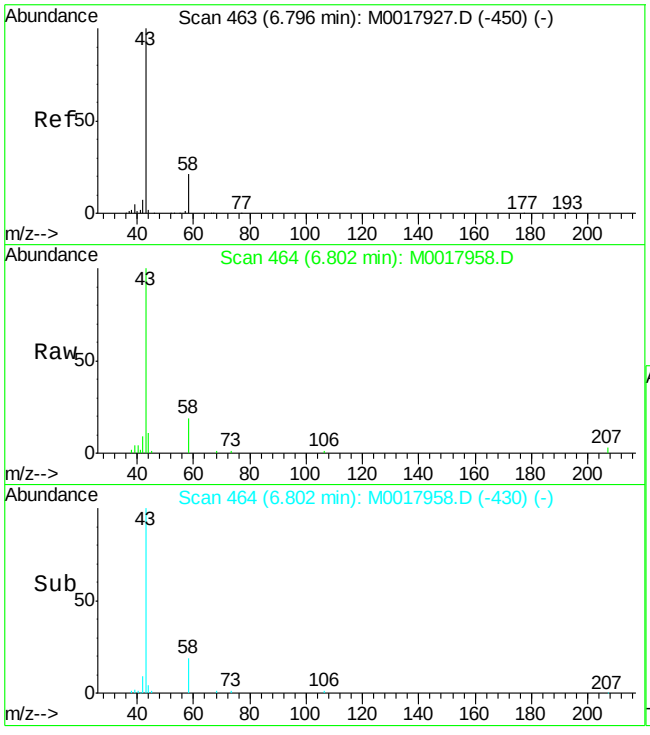
(#) = qualifier out of range (m) = manual integration (+) = signals summed
M0017958.D 8260M.M Tue Feb 13 14:13:52 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017958.D Vial: 8
Acq On : 13 Feb 2007 12:52 pm Operator: calvins
Sample : F47081-8 Inst : MSVOA7
Misc : ms7459,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 13:49 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration

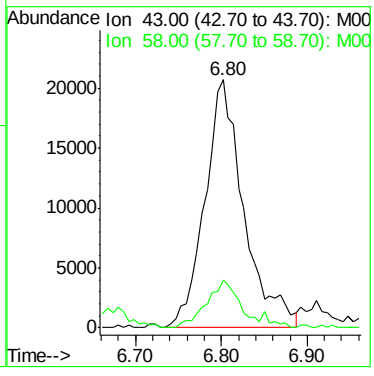


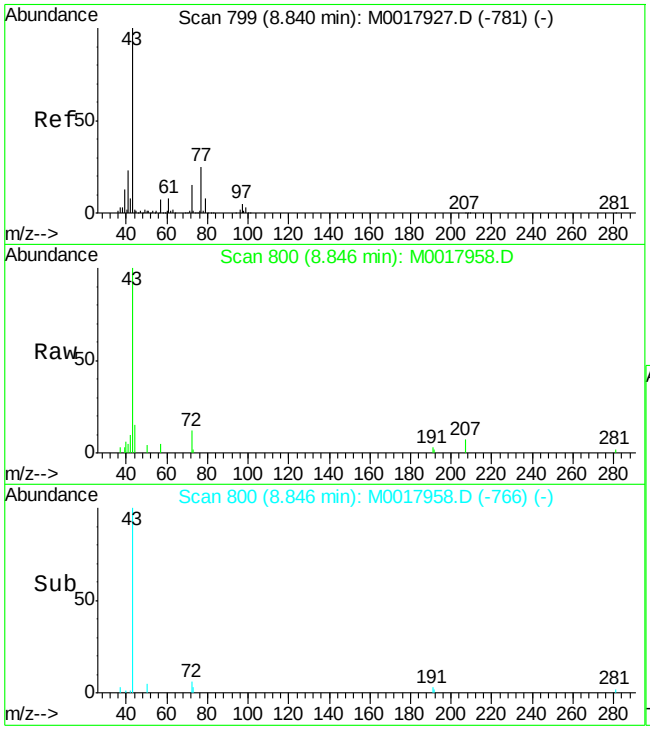


#12
Acetone
Concen: 9.76 ug/L
RT: 6.80 min Scan# 464
Delta R.T. 0.01 min
Lab File: M0017958.D
Acq: 13 Feb 2007 12:52 pm

Tgt Ion: 43 Resp: 65189

Ion	Ratio	Lower	Upper
43	100		
58	19.0	0.0	50.8

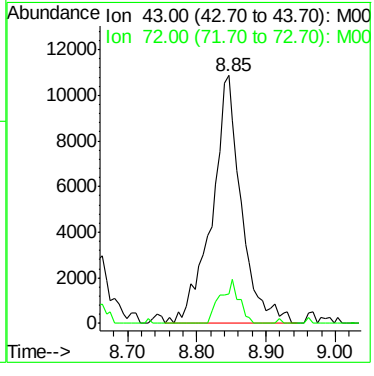




#25
2-Butanone
Concen: 4.30 ug/L
RT: 8.85 min Scan# 800
Delta R.T. 0.01 min
Lab File: M0017958.D
Acq: 13 Feb 2007 12:52 pm

Tgt Ion: 43 Resp: 32025

Ion	Ratio	Lower	Upper
43	100		
72	12.2	0.0	45.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017071.D Vial: 9
Acq On : 12 Feb 2007 3:15 pm Operator: calvins
Sample : MB Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 15:46:16 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	998239	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.50	117	939904	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	530301	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	167805	250.00	ug/L	0.00

System Monitoring Compounds

31) Dibromofluoromethane	9.91	113	283437	52.24	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 104.48%			
38) 1,2-Dichloroethane-d4	10.59	65	368707	53.01	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 106.02%			
48) Toluene-d8	12.73	98	1086373	45.50	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 91.00%			
69) 4-Bromofluorobenzene	15.82	95	543181	49.57	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 99.14%			

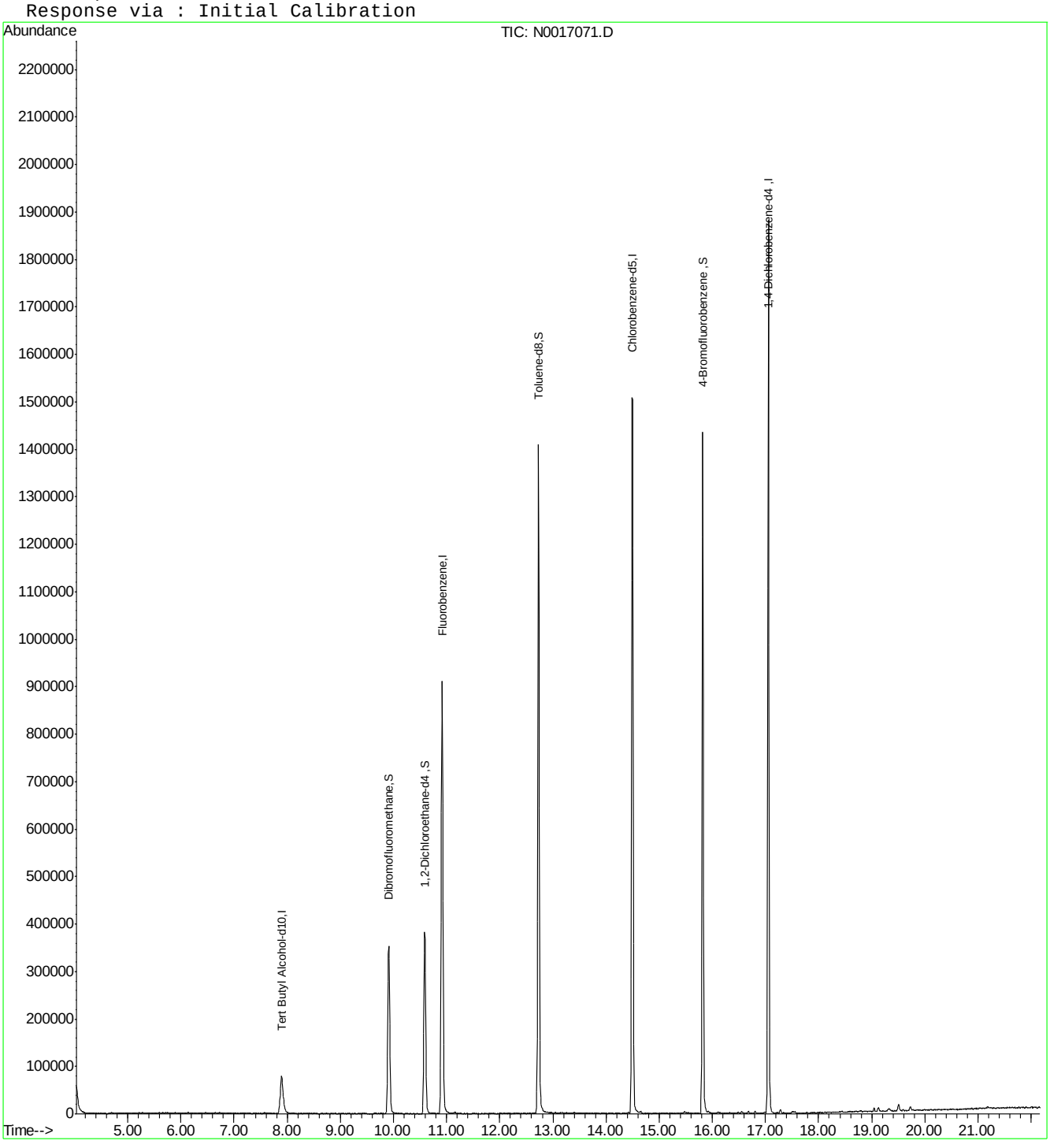
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017071.D Vial: 9
Acq On : 12 Feb 2007 3:15 pm Operator: calvins
Sample : MB Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 15:47 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration



N0017071.D 8260N.M Tue Feb 13 09:42:46 2007 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017953.D Vial: 3
Acq On : 13 Feb 2007 10:30 am Operator: calvins
Sample : MB Inst : MSVOA7
Misc : ms7410,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 11:19:11 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.08	96	1575586	50.00	ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1481062	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	869574	50.00	ug/L	0.00
93) Tert Butyl alcohol-d10	7.29	65	307052	250.00	ug/L	0.00

System Monitoring Compounds						
31) Dibromofluoromethane	9.37	113	495772	54.52	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 109.04%			
36) 1,2-Dichloroethane-d4	9.79	65	783786	55.72	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 111.44%			
50) Toluene-d8	11.74	98	1628865	49.36	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 98.72%			
70) 4-Bromofluorobenzene	14.61	95	881134	51.21	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 102.42%			

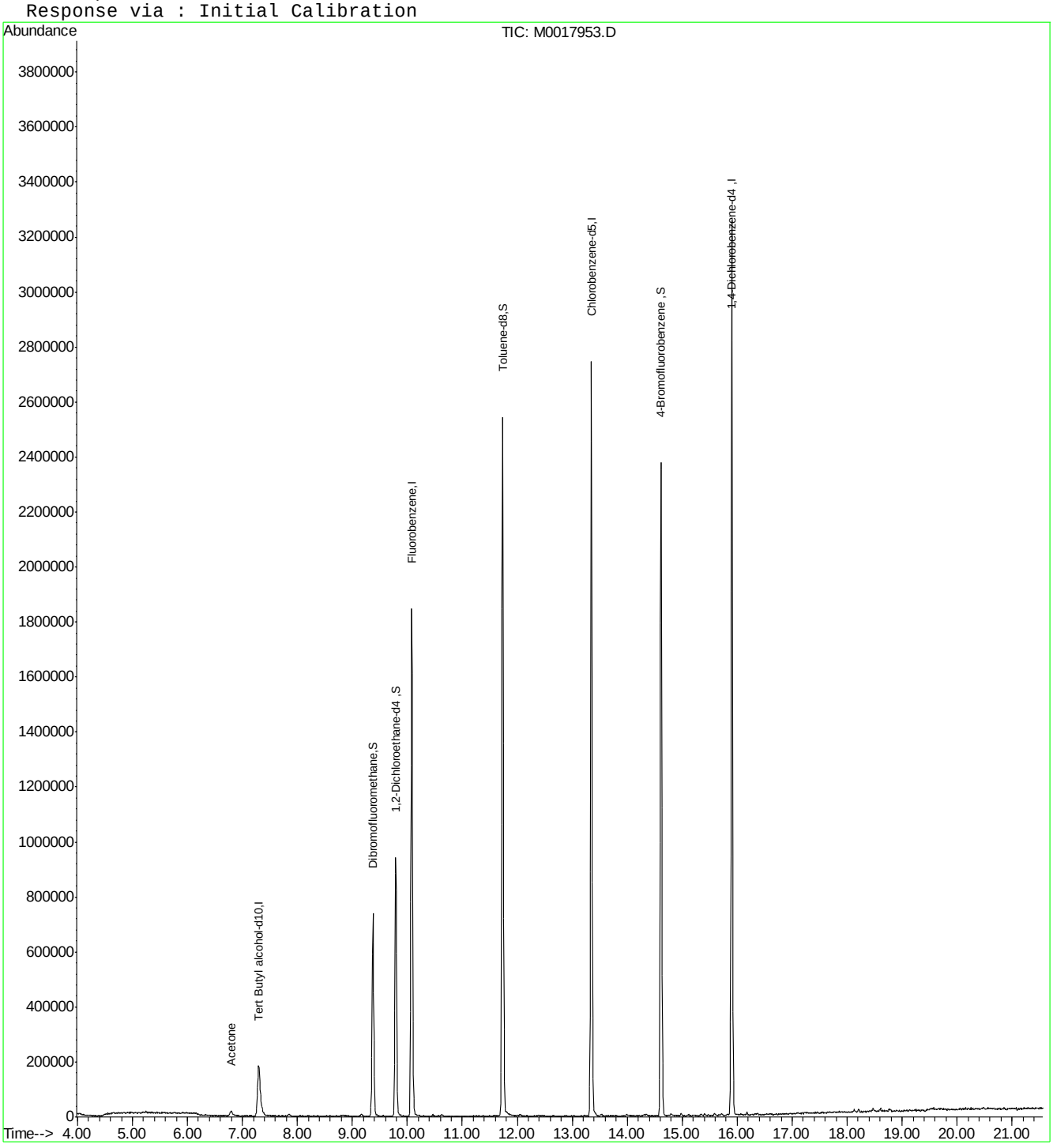
Target Compounds						Qvalue
12) Acetone	6.80	43	38272	5.01	ug/L	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed
M0017953.D 8260M.M Tue Feb 13 14:13:18 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017953.D Vial: 3
Acq On : 13 Feb 2007 10:30 am Operator: calvins
Sample : MB Inst : MSVOA7
Misc : ms7410,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 11:44 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration



ACCUTEST Laboratories F47081

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017980.D Vial: 3
Acq On : 14 Feb 2007 10:11 am Operator: calvins
Sample : MB Inst : MSVOA7
Misc : ms7410,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 10:39:08 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.08	96	1594066	50.00	ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1480888	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	892955	50.00	ug/L	0.00
93) Tert Butyl alcohol-d10	7.30	65	312667	250.00	ug/L	0.00

System Monitoring Compounds

31) Dibromofluoromethane	9.37	113	510263	55.46	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 110.92%			
36) 1,2-Dichloroethane-d4	9.79	65	792560	55.69	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 111.38%			
50) Toluene-d8	11.74	98	1612915	48.88	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 97.76%			
70) 4-Bromofluorobenzene	14.62	95	853840	48.32	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 96.64%			

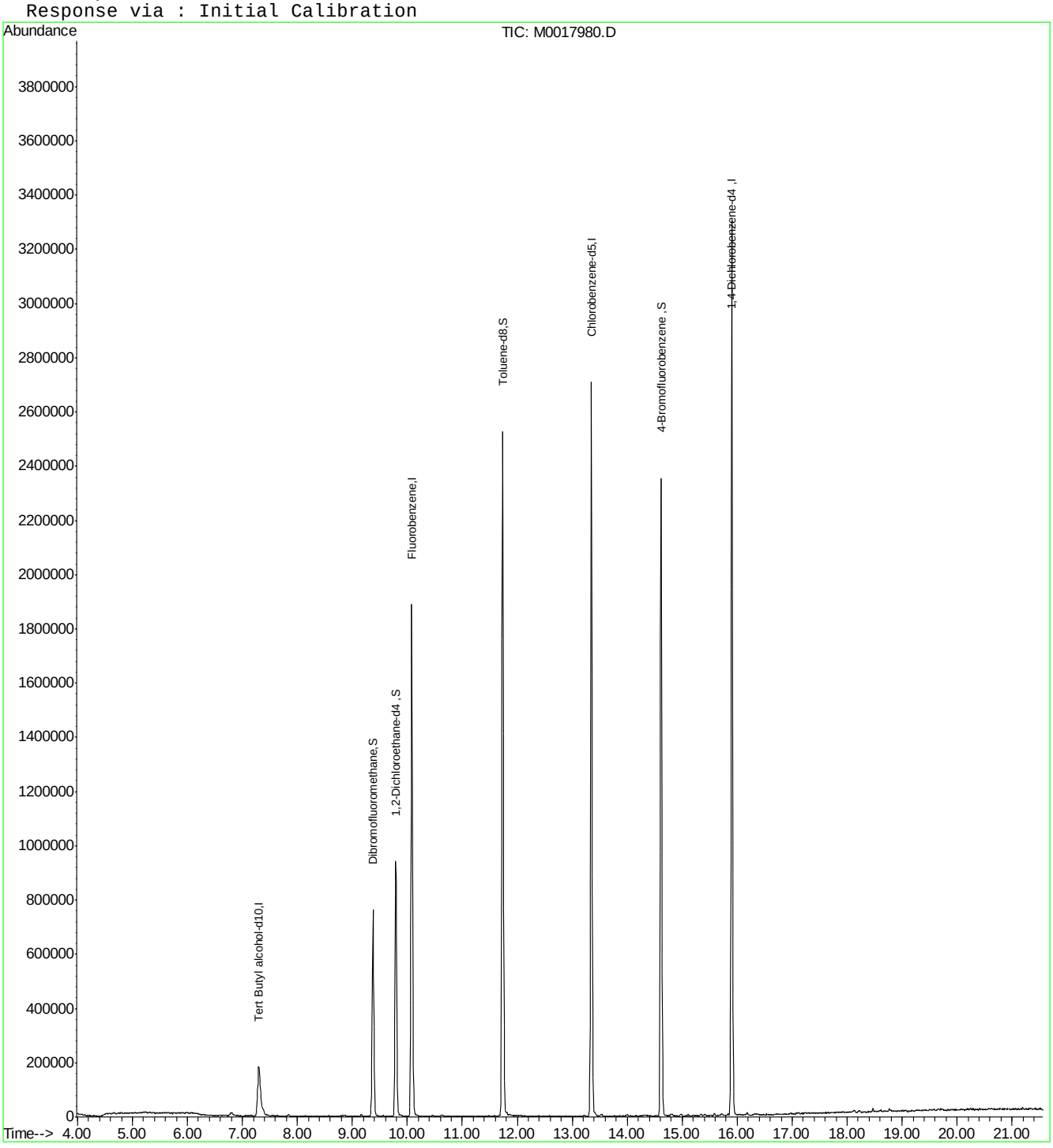
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
M0017980.D 8260M.M Wed Feb 14 14:23:02 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017980.D Vial: 3
Acq On : 14 Feb 2007 10:11 am Operator: calvins
Sample : MB Inst : MSVOA7
Misc : ms7410,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 11:36 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration



ACCUTEST Laboratories F47081

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017070.D Vial: 8
Acq On : 12 Feb 2007 2:47 pm Operator: calvins
Sample : BS Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 15:10:44 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 14:31:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	1033031	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.50	117	914682	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	542784	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	173308	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	282507	50.31	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 100.62%			
38) 1,2-Dichloroethane-d4	10.59	65	375253	52.13	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 104.26%			
48) Toluene-d8	12.73	98	1126597	48.49	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 96.98%			
69) 4-Bromofluorobenzene	15.82	95	555640	49.54	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 99.08%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.34	85	185239	30.27	ug/L	98
3) Chloromethane	4.68	50	191921	35.12	ug/L	100
4) Vinyl Chloride	4.89	62	141316	24.27	ug/L	96
5) Bromomethane	5.47	94	73968	24.12	ug/L	96
6) Chloroethane	5.68	64	73457	25.28	ug/L	94
7) Trichlorofluoromethane	5.97	101	239119	25.18	ug/L	100
8) Ethyl Ether	6.38	59	108618	23.76	ug/L	91
9) 1,2-Dichlorotrifluoroethan	6.67	67	181943	22.55	ug/L	96
10) 1,1-Dichloroethene	6.74	61	226209	20.24	ug/L	97
11) Freon 113	6.82	101	156055	23.95	ug/L	96
12) Carbon Disulfide	6.85	76	567426	25.06	ug/L	86
13) Iodomethane	6.99	142	282605	24.72	ug/L	96
14) Methylene Chloride	7.58	49	214188	22.84	ug/L	92
15) Acetone	7.62	43	271017	83.21	ug/L	98
16) Methyl acetate	7.77	43	587181	115.77	ug/L	95
17) trans-1,2-Dichloroethene	7.82	61	263866	25.74	ug/L	97
18) Hexane	7.90	56	157094	25.23	ug/L	96
19) Methyl Tert Butyl Ether	7.94	73	526451	24.43	ug/L	93
20) Di-isopropyl ether	8.41	45	567475	25.25	ug/L	97
21) 1,1-Dichloroethane	8.65	63	314914	25.21	ug/L	99
22) Acrylonitrile	8.69	53	268988	114.08	ug/L	98
23) ETBE	8.90	59	553656	28.95	ug/L	95
24) Vinyl acetate	8.90	43	697624	67.86	ug/L	100
25) cis-1,2-Dichloroethene	9.36	96	179044	22.69	ug/L	96
26) 2,2-Dichloropropane	9.52	77	288207	27.83	ug/L	98
27) Bromochloromethane	9.62	128	90062	23.16	ug/L #	86
28) Cyclohexane	9.67	56	287086	27.42	ug/L	93
29) Chloroform	9.68	83	340853	25.74	ug/L	96
30) Tetrahydrofuran	9.92	42	48444	22.59	ug/L	90
32) Carbon Tetrachloride	9.92	117	291082	25.79	ug/L	97
33) 1,1,1-Trichloroethane	10.00	97	305686	27.34	ug/L	97
34) 2-Butanone	10.03	43	408603	103.93	ug/L	96
35) 1,1-Dichloropropene	10.13	75	259647	26.90	ug/L	93
36) Benzene	10.44	78	692883	24.77	ug/L	94

(#) = qualifier out of range (m) = manual integration
N0017070.D 8260N.M Tue Feb 13 09:42:37 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017070.D Vial: 8
Acq On : 12 Feb 2007 2:47 pm Operator: calvins
Sample : BS Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 15:10:44 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 14:31:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
37) TAME	10.51	73	515962	26.05 ug/L	93
39) 1,2-Dichloroethane	10.67	62	271869	24.62 ug/L	97
40) Trichloroethene	11.13	95	185260	25.70 ug/L	98
41) Methylcyclohexane	11.15	83	311488	28.87 ug/L	93
42) Dibromomethane	11.65	93	109592	23.89 ug/L	98
43) 1,2-Dichloropropane	11.75	63	169380	24.81 ug/L	94
44) Bromodichloromethane	11.80	83	254054	23.60 ug/L	98
45) 2-Chloroethyl vinyl ether	12.38	63	588137	135.53 ug/L	91
46) cis-1,3-Dichloropropene	12.52	75	308465	25.32 ug/L	92
49) Toluene	12.79	91	754997	24.17 ug/L	99
50) 2-Nitropropane	13.04	41	234712	97.94 ug/L	96
51) 4-Methyl-2-pentanone	13.15	43	863051	117.26 ug/L	98
52) trans-1,3-Dichloropropene	13.23	75	301889	26.02 ug/L	93
53) Tetrachloroethene	13.26	166	201334	25.86 ug/L	99
54) 1,1,2-Trichloroethane	13.43	83	134787	22.88 ug/L	97
55) Dibromochloromethane	13.66	129	186754	20.15 ug/L	99
56) 1,3-Dichloropropane	13.75	76	285822	22.90 ug/L	94
57) 1,2-Dibromoethane	13.96	107	171530	22.87 ug/L	100
58) 2-hexanone	14.08	43	626936	110.82 ug/L	96
59) 1-Chlorohexane	14.42	91	274092	25.43 ug/L	90
60) Ethylbenzene	14.50	91	838082	24.72 ug/L	100
61) Chlorobenzene	14.52	112	479353	24.76 ug/L	95
62) 1,1,1,2-Tetrachloroethane	14.57	131	172963	24.13 ug/L	97
63) m,p-Xylene	14.65	91	1380374	51.06 ug/L	100
64) o-Xylene	15.14	91	715340	22.68 ug/L	99
65) Styrene	15.19	104	540710	22.20 ug/L	97
66) Bromoform	15.28	173	135730	23.12 ug/L	98
67) Isopropylbenzene	15.47	105	814712	26.98 ug/L	99
70) n-Propylbenzene	15.92	91	1053017	25.86 ug/L	100
71) Bromobenzene	15.96	156	222930	24.30 ug/L	99
72) 1,1,2,2-Tetrachloroethane	15.99	83	209462	23.13 ug/L	98
73) 1,3,5-Trimethylbenzene	16.10	105	723609	25.47 ug/L	97
74) 2-Chlorotoluene	16.14	91	728127	25.18 ug/L	99
75) trans-1,4-Dichloro-2-Buten	16.18	53	68061	26.03 ug/L #	85
76) 1,2,3-Trichloropropane	16.18	110	67170	23.42 ug/L	96
77) Cyclohexanone	16.26	55	27711	115.26 ug/L	93
78) 4-Chlorotoluene	16.32	91	664392	25.30 ug/L	100
79) tert-Butylbenzene	16.48	91	436961	26.38 ug/L	97
80) 1,2,4-Trimethylbenzene	16.55	105	736701	24.83 ug/L	96
81) sec-Butylbenzene	16.68	105	950509	26.66 ug/L	100
82) 4-Isopropyltoluene	16.80	119	756983	26.14 ug/L	99
83) 1,3-Dichlorobenzene	16.98	146	417439	24.90 ug/L	99
84) 1,4-Dichlorobenzene	17.07	146	407489	24.73 ug/L	98
85) n-Butylbenzene	17.28	92	463594	26.05 ug/L	100
86) Benzyl Chloride	17.32	126	92305	24.77 ug/L	94
87) 1,2-Dichlorobenzene	17.55	146	404873	24.65 ug/L	99
88) 1,2-Dibromo-3-Chloropropan	18.39	75	46495	22.81 ug/L	92
89) Hexachlorobutadiene	19.04	225	159958	25.83 ug/L	95
90) 1,2,4-Trichlorobenzene	19.12	180	314212	23.86 ug/L	97

(#) = qualifier out of range (m) = manual integration
N0017070.D 8260N.M Tue Feb 13 09:42:37 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017070.D Vial: 8
Acq On : 12 Feb 2007 2:47 pm Operator: calvins
Sample : BS Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 15:10:44 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 14:31:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

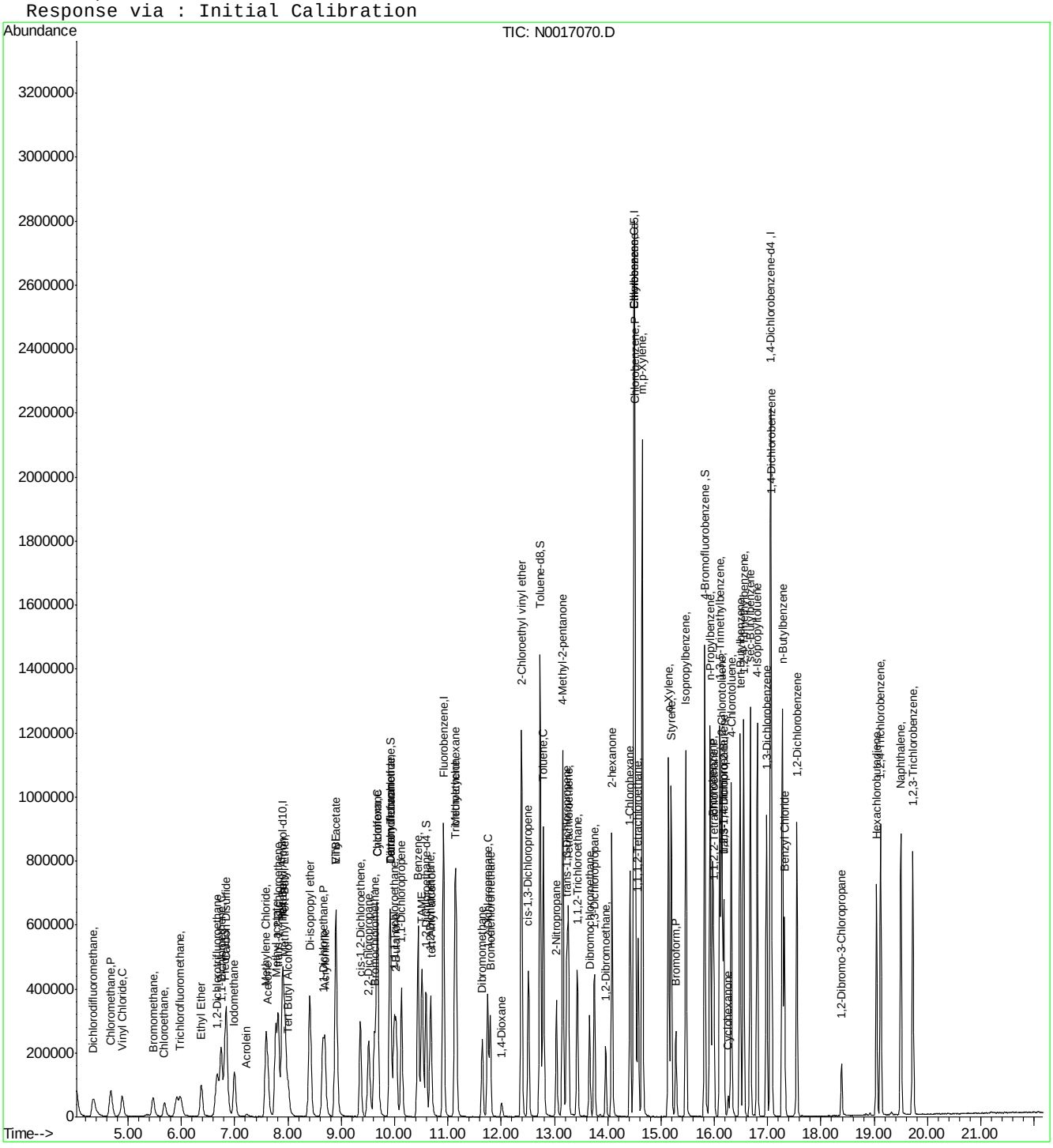
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	19.50	128	754580	23.50	ug/L	99
92)	1,2,3-Trichlorobenzene	19.72	180	295127	23.37	ug/L	95
94)	Acrolein	7.23	56	15604	174.40	ug/L	96
95)	Tert Butyl Alcohol	8.00	59	181481	231.89	ug/L	98
96)	tert Amyl alcohol	10.69	59	140015	240.08	ug/L	94
97)	1,4-Dioxane	12.01	88	40203	439.96	ug/L	92

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017070.D Vial: 8
Acq On : 12 Feb 2007 2:47 pm Operator: calvins
Sample : BS Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 15:10 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration



ACCUTEST Laboratories F47081

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017952.D Vial: 2
Acq On : 13 Feb 2007 10:01 am Operator: calvins
Sample : BS Inst : MSVOA7
Misc : ms7410,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 10:25:51 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.08	96	1675158	50.00	ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1563257	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	943329	50.00	ug/L	0.00
93) Tert Butyl alcohol-d10	7.29	65	309293	250.00	ug/L	0.00

System Monitoring Compounds

31) Dibromofluoromethane	9.37	113	508734	52.62	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 105.24%			
36) 1,2-Dichloroethane-d4	9.79	65	779270	52.11	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 104.22%			
50) Toluene-d8	11.74	98	1714775	49.23	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 98.46%			
70) 4-Bromofluorobenzene	14.61	95	933388	50.00	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 100.00%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.18	85	512519	46.17	ug/L	92
3) Chloromethane	4.53	50	422379	35.22	ug/L	97
4) Vinyl Chloride	4.76	62	320167	31.51	ug/L	98
5) Bromomethane	5.38	94	205762	32.74	ug/L	98
6) Chloroethane	5.54	64	141720	28.98	ug/L	92
7) Trichlorofluoromethane	5.93	101	509952	37.91	ug/L	96
8) Ethyl Ether	6.28	59	241932	23.95	ug/L	93
9) 1,2-Dichlorotrifluoroethan	6.35	67	336262	30.81	ug/L	98
10) Freon 113	6.61	101	285163	29.39	ug/L	98
11) 1,1-Dichloroethene	6.68	61	518210	24.67	ug/L	99
12) Acetone	6.80	43	766140	94.41	ug/L	97
13) Iodomethane	6.96	142	463787	25.19	ug/L	93
14) Carbon Disulfide	7.05	76	811483	28.62	ug/L	98
15) Methyl acetate	7.15	43	1359167	118.02	ug/L	98
16) Methylene Chloride	7.37	49	505552	21.78	ug/L	95
17) Methyl Tert Butyl Ether	7.58	73	873234	24.74	ug/L	97
18) trans-1,2-Dichloroethene	7.65	61	474306	26.16	ug/L	97
19) Acrylonitrile	7.73	53	562685	116.97	ug/L	98
20) Hexane	7.84	57	402749	27.32	ug/L	96
21) Di-isopropyl ether	8.09	45	1266340	25.14	ug/L	99
22) Vinyl acetate	8.15	43	1471432	69.98	ug/L	100
23) 1,1-Dichloroethane	8.20	63	532450	26.14	ug/L	95
24) ETBE	8.51	59	1110173	27.70	ug/L	97
25) 2-Butanone	8.84	43	931650	102.98	ug/L	100
26) 2,2-Dichloropropane	8.85	77	479574	29.28	ug/L	99
27) cis-1,2-Dichloroethene	8.87	96	277774	24.90	ug/L	95
28) Bromochloromethane	9.16	128	145736	25.38	ug/L	91
29) Tetrahydrofuran	9.15	42	112835	23.59	ug/L	96
30) Chloroform	9.19	83	513236	25.98	ug/L	97
32) 1,1,1-Trichloroethane	9.40	97	519673	28.27	ug/L	98
33) Cyclohexane	9.41	56	533615	26.95	ug/L	98
34) Carbon Tetrachloride	9.55	117	469025	27.71	ug/L	98
35) 1,1-Dichloropropene	9.56	75	364968	26.97	ug/L	97
37) TAME	9.79	73	808503	25.43	ug/L	95

(#) = qualifier out of range (m) = manual integration
M0017952.D 8260M.M Tue Feb 13 14:13:09 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017952.D Vial: 2
Acq On : 13 Feb 2007 10:01 am Operator: calvins
Sample : BS Inst : MSVOA7
Misc : ms7410,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 10:25:51 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
38) Benzene	9.79	78	871262	25.50	ug/L	85
39) 1,2-Dichloroethane	9.87	62	553619	25.12	ug/L	98
40) Trichloroethene	10.46	95	289114	25.17	ug/L	98
41) Methylcyclohexane	10.62	83	427924	27.60	ug/L	95
42) 1,2-Dichloropropane	10.76	63	253469	24.52	ug/L	96
43) Dibromomethane	10.91	93	175048	24.59	ug/L	98
44) Bromodichloromethane	11.02	83	393478	24.94	ug/L	97
45) 2-Chloroethyl vinyl ether	11.25	63	904758	131.95	ug/L	98
46) 2-Nitropropane	11.31	41	545162	129.96	ug/L	96
47) cis-1,3-Dichloropropene	11.48	75	443207	26.02	ug/L	97
48) 4-Methyl-2-pentanone	11.57	43	2042299	124.96	ug/L	99
51) Toluene	11.81	91	1085172	25.23	ug/L	98
52) trans-1,3-Dichloropropene	12.07	75	470245	27.58	ug/L	95
53) 1,1,2-Trichloroethane	12.29	83	198059	24.65	ug/L	95
54) Tetrachloroethene	12.39	166	306791	25.37	ug/L	99
55) 2-hexanone	12.45	43	1521754	119.24	ug/L	98
56) 1,3-Dichloropropane	12.49	76	416143	23.96	ug/L	98
57) Dibromochloromethane	12.73	129	321086	24.28	ug/L	97
58) 1,2-Dibromoethane	12.91	107	298323	25.35	ug/L	100
59) 1-Chlorohexane	13.22	91	393230	29.84	ug/L	94
60) Chlorobenzene	13.38	112	774938	26.41	ug/L	99
61) Ethylbenzene	13.41	91	1405515	26.45	ug/L	98
62) 1,1,1,2-Tetrachloroethane	13.45	131	314168	27.02	ug/L	98
63) m,p-Xylene	13.52	91	2232709	53.53	ug/L	98
64) o-Xylene	13.99	91	1210102	26.18	ug/L	99
65) Styrene	14.00	104	945307	26.31	ug/L	98
66) Bromoform	14.31	173	245613	26.87	ug/L	95
68) Isopropylbenzene	14.35	105	1429129	27.62	ug/L	98
69) Cyclohexanone	14.60	55	71785	127.23	ug/L	96
71) 1,1,2,2-Tetrachloroethane	14.75	83	378221	25.14	ug/L	99
72) trans-1,4-Dichloro-2-Buten	14.81	53	170920	23.79	ug/L	96
73) n-Propylbenzene	14.80	91	1802244	27.26	ug/L	100
74) Bromobenzene	14.83	156	397400	24.77	ug/L	98
75) 1,2,3-Trichloropropane	14.84	110	127904	24.57	ug/L	95
76) 1,3,5-Trimethylbenzene	14.97	105	1348523	26.78	ug/L	97
77) 2-Chlorotoluene	14.99	91	1286252	26.32	ug/L	95
78) 4-Chlorotoluene	15.11	91	1219837	26.46	ug/L	99
79) tert-Butylbenzene	15.34	91	835867	27.52	ug/L	98
80) 1,2,4-Trimethylbenzene	15.41	105	1422915	26.14	ug/L	97
81) sec-Butylbenzene	15.59	105	1754306	28.11	ug/L	99
82) 4-Isopropyltoluene	15.71	119	1458767	27.52	ug/L	99
83) 1,3-Dichlorobenzene	15.83	146	762158	26.42	ug/L	98
84) 1,4-Dichlorobenzene	15.93	146	762572	26.51	ug/L	99
85) Benzyl Chloride	16.07	91	971101	28.66	ug/L	99
86) n-Butylbenzene	16.18	91	1405084	28.35	ug/L	98
87) 1,2-Dichlorobenzene	16.37	146	746823	26.15	ug/L	98
88) 1,2-Dibromo-3-Chloropropan	17.24	75	91907	25.08	ug/L	97
89) 1,2,4-Trichlorobenzene	18.13	180	538833	25.33	ug/L	98
90) Hexachlorobutadiene	18.21	225	254542	27.06	ug/L	96

(#) = qualifier out of range (m) = manual integration
M0017952.D 8260M.M Tue Feb 13 14:13:10 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017952.D Vial: 2
Acq On : 13 Feb 2007 10:01 am Operator: calvins
Sample : BS Inst : MSVOA7
Misc : ms7410,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 10:25:51 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

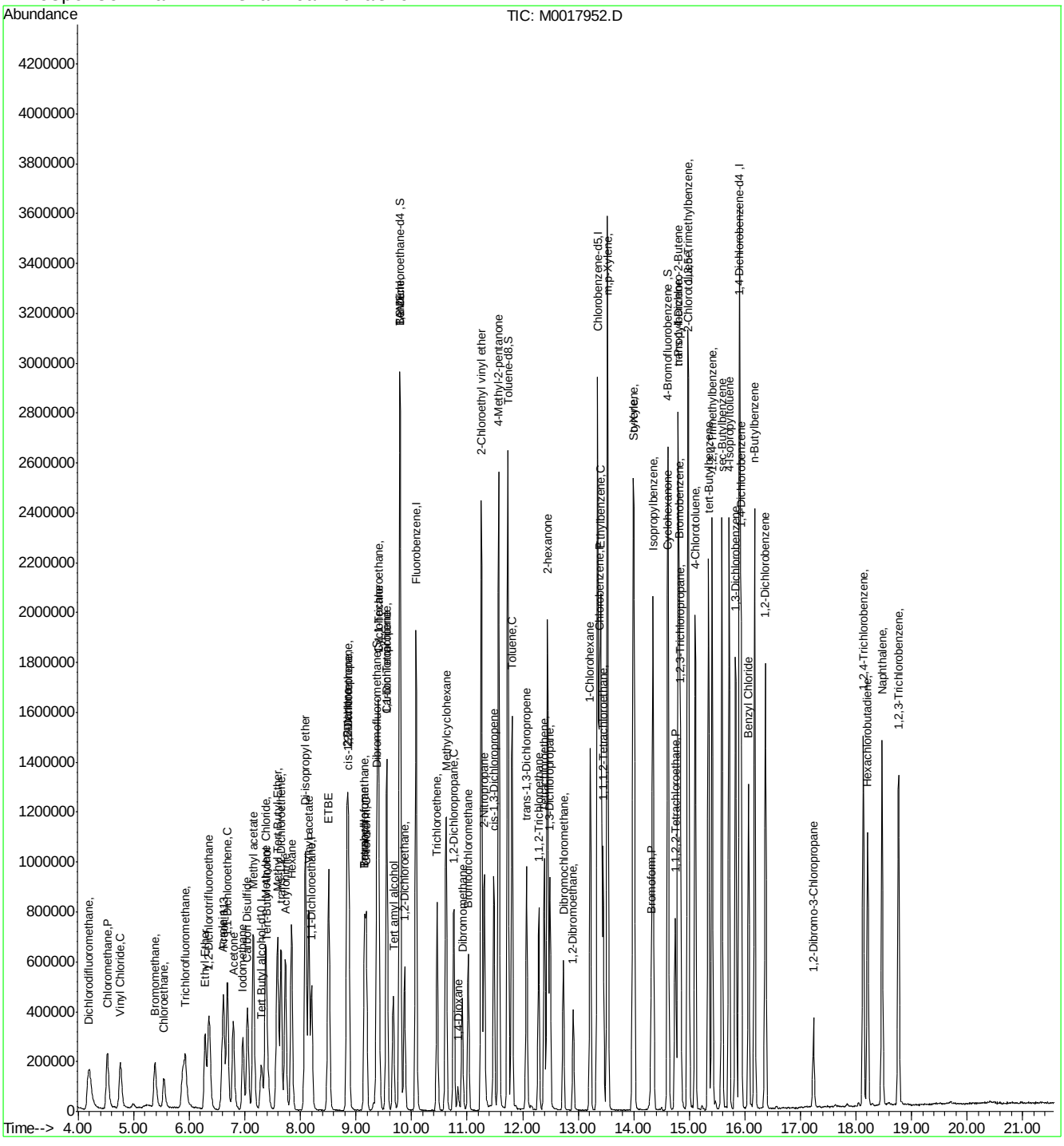
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91) Naphthalene	18.47	128	1336706	24.57	ug/L	100
92) 1,2,3-Trichlorobenzene	18.77	180	499426	24.75	ug/L	93
94) Acrolein	6.60	56	118398	100.55	ug/L	96
95) Tert-Butyl Alcohol	7.40	59	416293	245.80	ug/L	96
96) Tert amyl alcohol	9.67	59	306214	241.65	ug/L	97
97) 1,4-Dioxane	10.84	88	71829	494.75	ug/L	83

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017952.D Vial: 2
Acq On : 13 Feb 2007 10:01 am Operator: calvins
Sample : BS Inst : MSVOA7
Misc : ms7410,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 10:25 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration



ACCUTEST Laboratories F47081

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017979.D Vial: 2
Acq On : 14 Feb 2007 9:42 am Operator: calvins
Sample : BS Inst : MSVOA7
Misc : ms7410,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 10:07:50 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.08	96	1679607	50.00 ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1557180	50.00 ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	968593	50.00 ug/L	0.00
93) Tert Butyl alcohol-d10	7.31	65	334755	250.00 ug/L	0.00
System Monitoring Compounds					
31) Dibromofluoromethane	9.38	113	529577	54.63 ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 109.26%		
36) 1,2-Dichloroethane-d4	9.79	65	810823	54.08 ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 108.16%		
50) Toluene-d8	11.74	98	1718697	49.53 ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 99.06%		
70) 4-Bromofluorobenzene	14.61	95	915247	47.75 ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 95.50%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.20	85	506228	45.49 ug/L	96
3) Chloromethane	4.52	50	422832	35.17 ug/L	98
4) Vinyl Chloride	4.76	62	322662	31.67 ug/L	99
5) Bromomethane	5.38	94	202240	32.09 ug/L	99
6) Chloroethane	5.54	64	147958	30.17 ug/L	90
7) Trichlorofluoromethane	5.92	101	523833	38.84 ug/L	96
8) Ethyl Ether	6.29	59	256754	25.35 ug/L	97
9) 1,2-Dichlorotrifluoroethan	6.35	67	343930	31.42 ug/L	98
10) Freon 113	6.62	101	309823	31.85 ug/L	98
11) 1,1-Dichloroethene	6.69	61	566818	26.91 ug/L	97
12) Acetone	6.80	43	843268	103.64 ug/L	97
13) Iodomethane	6.97	142	507344	27.48 ug/L	97
14) Carbon Disulfide	7.05	76	879266	30.92 ug/L	96
15) Methyl acetate	7.15	43	1451300	125.68 ug/L	99
16) Methylene Chloride	7.37	49	557216	23.94 ug/L	97
17) Methyl Tert Butyl Ether	7.59	73	909443	25.70 ug/L	97
18) trans-1,2-Dichloroethene	7.65	61	517593	28.47 ug/L	97
19) Acrylonitrile	7.73	53	595627	123.49 ug/L	97
20) Hexane	7.84	57	439848	29.76 ug/L	99
21) Di-isopropyl ether	8.09	45	1300418	25.75 ug/L	99
22) Vinyl acetate	8.15	43	1705274	80.88 ug/L	98
23) 1,1-Dichloroethane	8.21	63	574035	28.11 ug/L	97
24) ETBE	8.51	59	1144022	28.47 ug/L	97
25) 2-Butanone	8.84	43	988297	108.95 ug/L	97
26) 2,2-Dichloropropane	8.85	77	512441	31.21 ug/L	100
27) cis-1,2-Dichloroethene	8.87	96	293157	26.21 ug/L	96
28) Bromochloromethane	9.16	128	148745	25.84 ug/L	94
29) Tetrahydrofuran	9.15	42	116458	24.28 ug/L	98
30) Chloroform	9.19	83	563411	28.44 ug/L	98
32) 1,1,1-Trichloroethane	9.40	97	560289	30.40 ug/L	99
33) Cyclohexane	9.41	56	568959	28.66 ug/L	97
34) Carbon Tetrachloride	9.55	117	518796	30.57 ug/L	99
35) 1,1-Dichloropropene	9.56	75	397304	29.28 ug/L	95
37) TAME	9.79	73	829815	26.03 ug/L	98

(#) = qualifier out of range (m) = manual integration
M0017979.D 8260M.M Wed Feb 14 14:22:55 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017979.D Vial: 2
Acq On : 14 Feb 2007 9:42 am Operator: calvins
Sample : BS Inst : MSVOA7
Misc : ms7410,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 10:07:50 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
38)	Benzene	9.79	78	928154	27.09 ug/L		82
39)	1,2-Dichloroethane	9.87	62	607498	27.50 ug/L		99
40)	Trichloroethene	10.46	95	301659	26.19 ug/L		98
41)	Methylcyclohexane	10.62	83	446741	28.73 ug/L		98
42)	1,2-Dichloropropane	10.76	63	259074	25.00 ug/L		88
43)	Dibromomethane	10.91	93	191030	26.76 ug/L		97
44)	Bromodichloromethane	11.02	83	429590	27.16 ug/L		97
45)	2-Chloroethyl vinyl ether	11.26	63	871481	126.76 ug/L		97
46)	2-Nitropropane	11.31	41	592144	140.79 ug/L		92
47)	cis-1,3-Dichloropropene	11.48	75	459527	26.90 ug/L		96
48)	4-Methyl-2-pentanone	11.57	43	2052626	125.26 ug/L		99
51)	Toluene	11.81	91	1132488	26.43 ug/L		96
52)	trans-1,3-Dichloropropene	12.07	75	479228	28.22 ug/L		96
53)	1,1,2-Trichloroethane	12.29	83	200941	25.11 ug/L		98
54)	Tetrachloroethene	12.39	166	326317	27.09 ug/L		98
55)	2-hexanone	12.45	43	1504876	118.37 ug/L		98
56)	1,3-Dichloropropane	12.49	76	422813	24.44 ug/L		93
57)	Dibromochloromethane	12.73	129	339163	25.74 ug/L		98
58)	1,2-Dibromoethane	12.91	107	302207	25.78 ug/L		97
59)	1-Chlorohexane	13.21	91	377233	28.74 ug/L		98
60)	Chlorobenzene	13.38	112	791561	27.08 ug/L		98
61)	Ethylbenzene	13.41	91	1417602	26.78 ug/L		100
62)	1,1,1,2-Tetrachloroethane	13.45	131	330243	28.52 ug/L		98
63)	m,p-Xylene	13.52	91	2267023	54.56 ug/L		98
64)	o-Xylene	13.99	91	1236748	26.87 ug/L		97
65)	Styrene	14.00	104	931081	26.02 ug/L		98
66)	Bromoform	14.32	173	264199	29.02 ug/L		98
68)	Isopropylbenzene	14.35	105	1444233	27.19 ug/L		99
69)	Cyclohexanone	14.61	55	71092	122.71 ug/L	#	82
71)	1,1,2,2-Tetrachloroethane	14.75	83	375858	24.33 ug/L		98
72)	trans-1,4-Dichloro-2-Buten	14.81	53	198394	26.89 ug/L		89
73)	n-Propylbenzene	14.80	91	1790701	26.38 ug/L		100
74)	Bromobenzene	14.83	156	402778	24.45 ug/L		100
75)	1,2,3-Trichloropropane	14.84	110	132091	24.72 ug/L		94
76)	1,3,5-Trimethylbenzene	14.97	105	1369310	26.48 ug/L		96
77)	2-Chlorotoluene	14.98	91	1296874	25.84 ug/L		99
78)	4-Chlorotoluene	15.11	91	1236503	26.12 ug/L		99
79)	tert-Butylbenzene	15.34	91	850711	27.28 ug/L		97
80)	1,2,4-Trimethylbenzene	15.41	105	1443678	25.83 ug/L		96
81)	sec-Butylbenzene	15.59	105	1764149	27.53 ug/L		99
82)	4-Isopropyltoluene	15.72	119	1471425	27.03 ug/L		97
83)	1,3-Dichlorobenzene	15.83	146	779695	26.33 ug/L		98
84)	1,4-Dichlorobenzene	15.93	146	773622	26.19 ug/L		98
85)	Benzyl Chloride	16.07	91	958611	27.56 ug/L		100
86)	n-Butylbenzene	16.18	91	1404941	27.61 ug/L		99
87)	1,2-Dichlorobenzene	16.37	146	759730	25.91 ug/L		98
88)	1,2-Dibromo-3-Chloropropan	17.24	75	95616	25.41 ug/L		90
89)	1,2,4-Trichlorobenzene	18.14	180	548587	25.12 ug/L		97
90)	Hexachlorobutadiene	18.21	225	267088	27.66 ug/L		95

(#) = qualifier out of range (m) = manual integration
M0017979.D 8260M.M Wed Feb 14 14:22:56 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017979.D Vial: 2
Acq On : 14 Feb 2007 9:42 am Operator: calvins
Sample : BS Inst : MSVOA7
Misc : ms7410,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 10:07:50 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

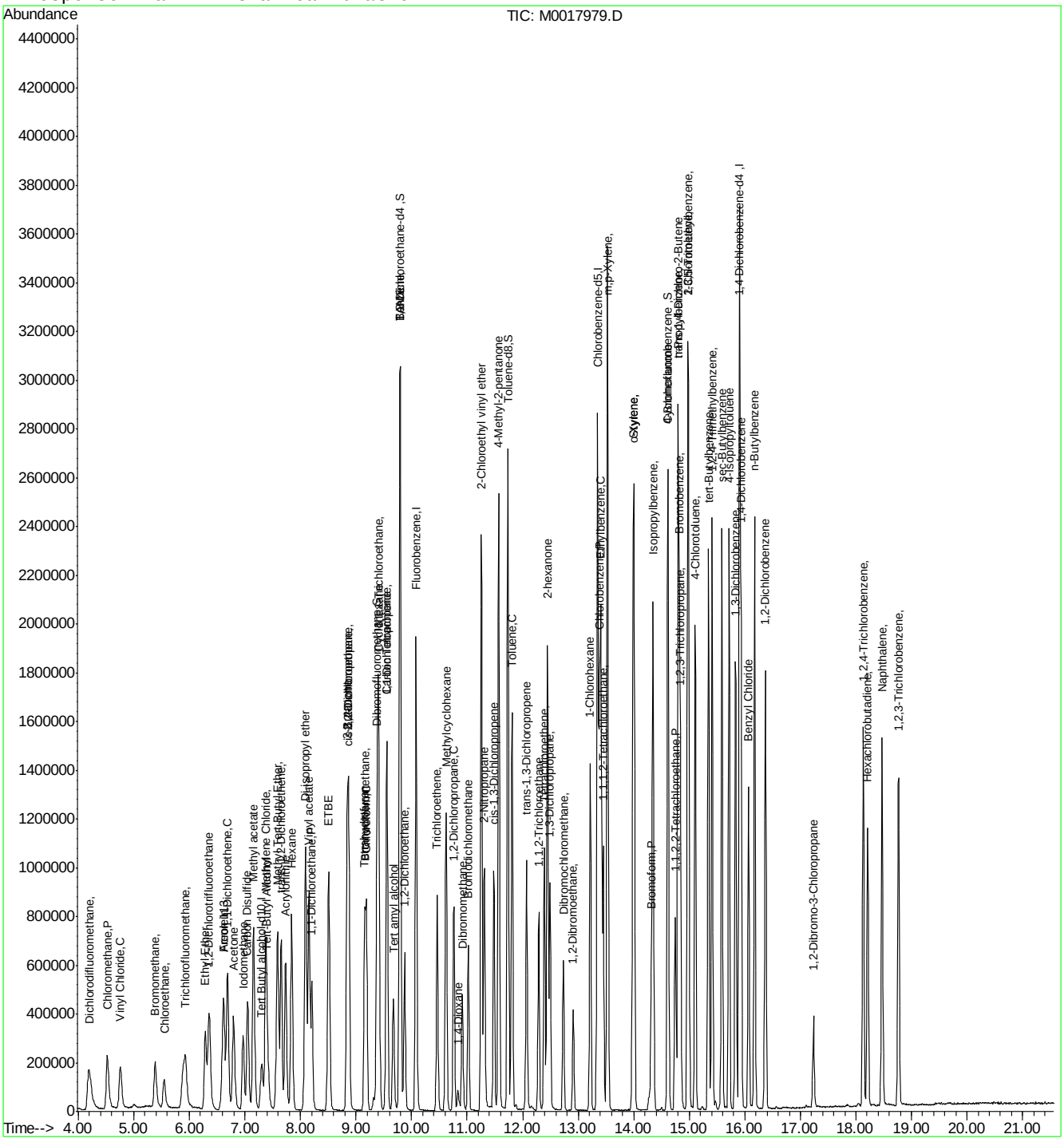
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	18.47	128	1360489	24.36	ug/L	99
92)	1,2,3-Trichlorobenzene	18.77	180	523694	25.28	ug/L	96
94)	Acrolein	6.61	56	76269	59.85	ug/L	100
95)	Tert-Butyl Alcohol	7.40	59	433788	236.65	ug/L	100
96)	Tert amyl alcohol	9.67	59	311963	227.47	ug/L	94
97)	1,4-Dioxane	10.84	88	69512	442.37	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed
M0017979.D 8260M.M Wed Feb 14 14:22:56 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017979.D Vial: 2
Acq On : 14 Feb 2007 9:42 am Operator: calvins
Sample : BS Inst : MSVOA7
Misc : ms7410,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 10:07 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration



ACCUTEST Laboratories F47081

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017073.D Vial: 11
Acq On : 12 Feb 2007 4:11 pm Operator: calvins
Sample : F47019-1ms,100x Inst : MSVOA8
Misc : ms7437,vn725,,,,,100 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 08:16:46 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	964623	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.50	117	858166	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	513947	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	161946	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	264270	50.40	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 100.80%			
38) 1,2-Dichloroethane-d4	10.59	65	336486	50.06	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 100.12%			
48) Toluene-d8	12.73	98	1054693	48.38	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 96.76%			
69) 4-Bromofluorobenzene	15.82	95	522100	49.17	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 98.34%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.35	85	156649	27.41	ug/L	96
3) Chloromethane	4.66	50	179940	35.26	ug/L	97
4) Vinyl Chloride	4.89	62	125973	23.17	ug/L	99
5) Bromomethane	5.46	94	61688	21.54	ug/L	94
6) Chloroethane	5.68	64	63995	23.59	ug/L	93
7) Trichlorofluoromethane	5.91	101	223369	25.19	ug/L	100
8) Ethyl Ether	6.37	59	96763	22.67	ug/L	96
9) 1,2-Dichlorotrifluoroethan	6.67	67	171496	22.78	ug/L	97
10) 1,1-Dichloroethene	6.74	61	239417	22.94	ug/L	94
11) Freon 113	6.82	101	166019	27.29	ug/L	96
12) Carbon Disulfide	6.84	76	572018	27.05	ug/L	99
13) Iodomethane	6.99	142	263392	24.67	ug/L	99
14) Methylene Chloride	7.58	49	207947	23.75	ug/L	98
15) Acetone	7.62	43	254127	83.55	ug/L	98
16) Methyl acetate	7.77	43	583511	123.20	ug/L	99
17) trans-1,2-Dichloroethene	7.81	61	246857	25.79	ug/L	98
18) Hexane	7.89	56	154680	26.61	ug/L	98
19) Methyl Tert Butyl Ether	7.94	73	490451	24.37	ug/L	99
20) Di-isopropyl ether	8.40	45	543565	25.90	ug/L	97
21) 1,1-Dichloroethane	8.65	63	296553	25.43	ug/L	100
22) Acrylonitrile	8.69	53	239830	108.93	ug/L	98
23) ETBE	8.90	59	517732	28.99	ug/L	99
24) Vinyl acetate	8.90	43	666498	69.43	ug/L	99
25) cis-1,2-Dichloroethene	9.36	96	174796	23.73	ug/L	99
26) 2,2-Dichloropropane	9.51	77	263476	27.25	ug/L	99
27) Bromochloromethane	9.62	128	87542	24.10	ug/L	98
28) Cyclohexane	9.67	56	269217	27.54	ug/L	99
29) Chloroform	9.68	83	315371	25.51	ug/L	97
30) Tetrahydrofuran	9.91	42	46751	23.35	ug/L	96
32) Carbon Tetrachloride	9.92	117	257986	24.48	ug/L	99
33) 1,1,1-Trichloroethane	9.99	97	274277	26.27	ug/L	98
34) 2-Butanone	10.03	43	388618	105.86	ug/L	99
35) 1,1-Dichloropropene	10.13	75	238966	26.51	ug/L	99
36) Benzene	10.44	78	657237	25.16	ug/L	99

(#) = qualifier out of range (m) = manual integration
N0017073.D 8260N.M Tue Feb 13 09:43:20 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017073.D Vial: 11
Acq On : 12 Feb 2007 4:11 pm Operator: calvins
Sample : F47019-1ms,100x Inst : MSVOA8
Misc : ms7437,vn725,,,,,100 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 08:16:46 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	TAME	10.51	73	473400	25.59	ug/L		97
39)	1,2-Dichloroethane	10.67	62	248558	24.10	ug/L		98
40)	Trichloroethene	11.13	95	174521	25.93	ug/L		95
41)	Methylcyclohexane	11.15	83	290770	28.86	ug/L		99
42)	Dibromomethane	11.65	93	104052	24.29	ug/L		98
43)	1,2-Dichloropropane	11.74	63	161201	25.29	ug/L		97
44)	Bromodichloromethane	11.80	83	235974	23.47	ug/L		99
45)	2-Chloroethyl vinyl ether	12.38	63	495193	122.21	ug/L		100
46)	cis-1,3-Dichloropropene	12.51	75	286787	25.21	ug/L		97
49)	Toluene	12.79	91	815151	27.82	ug/L		100
50)	2-Nitropropane	13.04	41	223533	99.42	ug/L		97
51)	4-Methyl-2-pentanone	13.15	43	833663	120.73	ug/L		99
52)	trans-1,3-Dichloropropene	13.23	75	283001	26.00	ug/L		99
53)	Tetrachloroethene	13.26	166	185706	25.43	ug/L		98
54)	1,1,2-Trichloroethane	13.43	83	130030	23.52	ug/L		98
55)	Dibromochloromethane	13.66	129	173874	19.99	ug/L		98
56)	1,3-Dichloropropane	13.75	76	272969	23.31	ug/L		99
57)	1,2-Dibromoethane	13.96	107	164689	23.38	ug/L		99
58)	2-hexanone	14.08	43	601851	113.39	ug/L		98
59)	1-Chlorohexane	14.42	91	255892	25.30	ug/L		99
60)	Ethylbenzene	14.50	91	779105	24.49	ug/L		100
61)	Chlorobenzene	14.52	112	454314	25.01	ug/L		99
62)	1,1,1,2-Tetrachloroethane	14.57	131	161663	24.04	ug/L		97
63)	m,p-Xylene	14.65	91	1383296	54.54	ug/L		99
64)	o-Xylene	15.14	91	3027560	102.32	ug/L		98
65)	Styrene	15.19	104	507014	22.19	ug/L		99
66)	Bromoform	15.28	173	125914	22.86	ug/L		99
67)	Isopropylbenzene	15.47	105	772115	27.26	ug/L		97
70)	n-Propylbenzene	15.92	91	996710	25.85	ug/L		100
71)	Bromobenzene	15.97	156	211522	24.35	ug/L		96
72)	1,1,2,2-Tetrachloroethane	15.99	83	203758	23.76	ug/L		99
73)	1,3,5-Trimethylbenzene	16.10	105	678236	25.21	ug/L		98
74)	2-Chlorotoluene	16.14	91	690541	25.22	ug/L		99
75)	trans-1,4-Dichloro-2-Buten	16.18	53	66952	27.04	ug/L	#	84
76)	1,2,3-Trichloropropane	16.17	110	63970	23.55	ug/L		97
77)	Cyclohexanone	16.26	55	23945	105.19	ug/L		93
78)	4-Chlorotoluene	16.32	91	629875	25.33	ug/L		100
79)	tert-Butylbenzene	16.48	91	409644	26.12	ug/L		99
80)	1,2,4-Trimethylbenzene	16.55	105	711109	25.31	ug/L		99
81)	sec-Butylbenzene	16.68	105	891804	26.42	ug/L		99
82)	4-Isopropyltoluene	16.80	119	709599	25.88	ug/L		100
83)	1,3-Dichlorobenzene	16.98	146	399736	25.18	ug/L		98
84)	1,4-Dichlorobenzene	17.07	146	392518	25.16	ug/L		99
85)	n-Butylbenzene	17.28	92	440636	26.15	ug/L		99
86)	Benzyl Chloride	17.32	126	90486	25.64	ug/L		95
87)	1,2-Dichlorobenzene	17.55	146	384715	24.74	ug/L		98
88)	1,2-Dibromo-3-Chloropropan	18.39	75	43347	22.46	ug/L		98
89)	Hexachlorobutadiene	19.04	225	146608	25.01	ug/L		99
90)	1,2,4-Trichlorobenzene	19.12	180	297512	23.86	ug/L		99

(#) = qualifier out of range (m) = manual integration
N0017073.D 8260N.M Tue Feb 13 09:43:21 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017073.D Vial: 11
Acq On : 12 Feb 2007 4:11 pm Operator: calvins
Sample : F47019-1ms,100x Inst : MSVOA8
Misc : ms7437,vn725,,,,,100 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 08:16:46 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

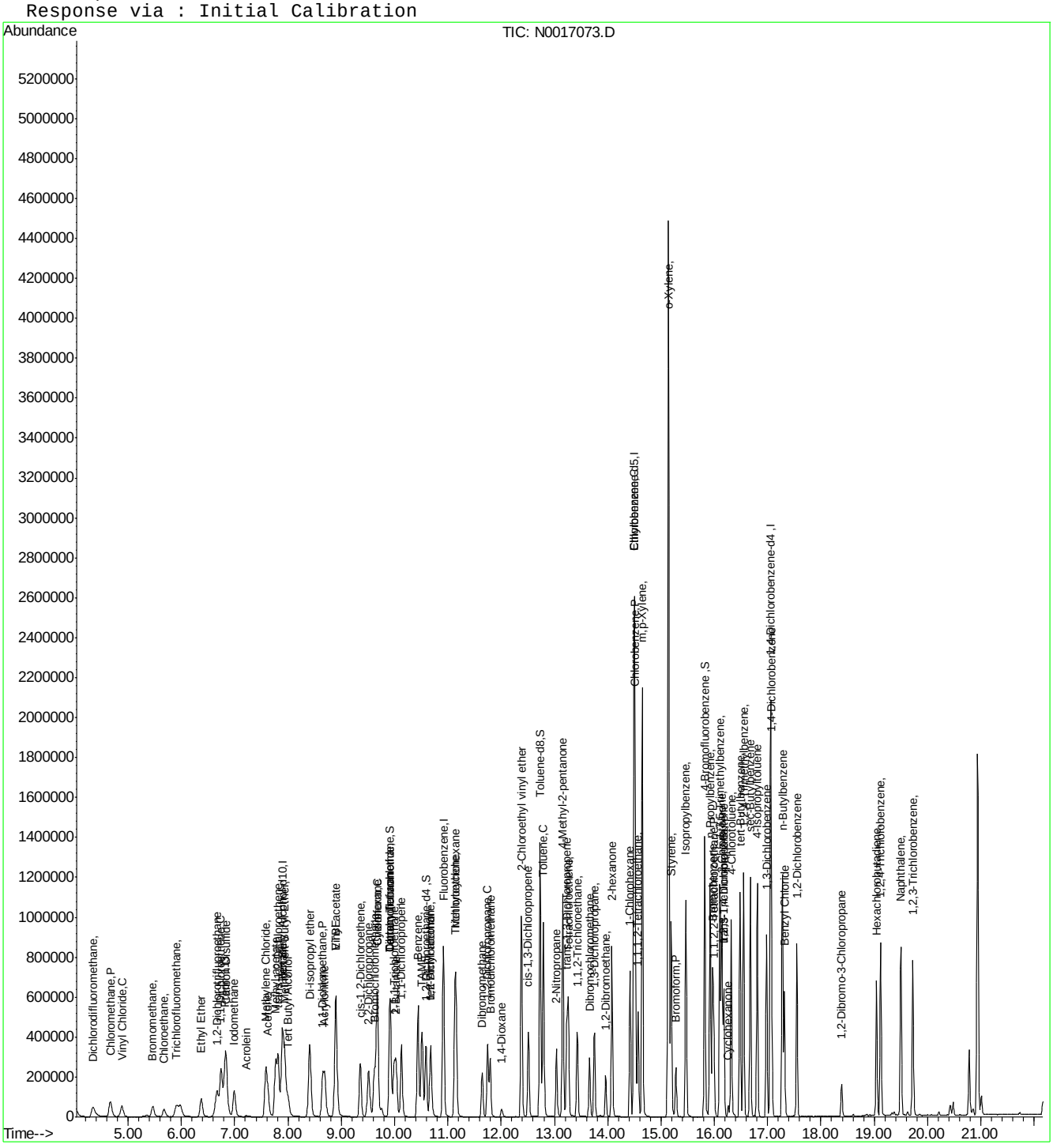
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	19.50	128	737965	24.27	ug/L	98
92)	1,2,3-Trichlorobenzene	19.72	180	280827	23.48	ug/L	99
94)	Acrolein	7.22	56	11818	141.36	ug/L	94
95)	Tert Butyl Alcohol	8.00	59	171674	234.75	ug/L	99
96)	tert Amyl alcohol	10.68	59	132268	242.71	ug/L	97
97)	1,4-Dioxane	12.00	88	38488	450.75	ug/L	95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017073.D Vial: 11
Acq On : 12 Feb 2007 4:11 pm Operator: calvins
Sample : F47019-1ms,100x Inst : MSVOA8
Misc : ms7437,vn725,,,,,100 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 8:16 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017074.D Vial: 11
Acq On : 12 Feb 2007 4:40 pm Operator: calvins
Sample : F47019-1msd,100x Inst : MSVOA8
Misc : ms7437,vn725,,,,,100 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 08:16:48 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	970309	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.50	117	868050	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	516470	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	162521	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	267593	50.74	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 101.48%			
38) 1,2-Dichloroethane-d4	10.59	65	342023	50.59	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 101.18%			
48) Toluene-d8	12.73	98	1060312	48.09	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 96.18%			
69) 4-Bromofluorobenzene	15.82	95	524065	49.11	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 98.22%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.33	85	154752	26.92	ug/L	95
3) Chloromethane	4.67	50	173624	33.83	ug/L	97
4) Vinyl Chloride	4.88	62	122000	22.31	ug/L	98
5) Bromomethane	5.46	94	64815	22.50	ug/L	99
6) Chloroethane	5.68	64	64305	23.56	ug/L	94
7) Trichlorofluoromethane	5.98	101	219699	24.63	ug/L	92
8) Ethyl Ether	6.38	59	95607	22.26	ug/L	90
9) 1,2-Dichlorotrifluoroethan	6.66	67	167733	22.11	ug/L	98
10) 1,1-Dichloroethene	6.74	61	242113	23.07	ug/L	97
11) Freon 113	6.82	101	166970	27.28	ug/L	99
12) Carbon Disulfide	6.84	76	556153	26.15	ug/L	100
13) Iodomethane	6.99	142	260819	24.29	ug/L	99
14) Methylene Chloride	7.58	49	208150	23.64	ug/L	99
15) Acetone	7.62	43	255061	83.37	ug/L	99
16) Methyl acetate	7.77	43	586133	123.03	ug/L	99
17) trans-1,2-Dichloroethene	7.81	61	244347	25.38	ug/L	97
18) Hexane	7.90	56	152208	26.03	ug/L	97
19) Methyl Tert Butyl Ether	7.93	73	492032	24.31	ug/L	90
20) Di-isopropyl ether	8.41	45	547581	25.94	ug/L	97
21) 1,1-Dichloroethane	8.65	63	296162	25.24	ug/L	99
22) Acrylonitrile	8.69	53	240043	108.39	ug/L	99
23) ETBE	8.90	59	515554	28.70	ug/L	99
24) Vinyl acetate	8.90	43	663930	68.75	ug/L	99
25) cis-1,2-Dichloroethene	9.36	96	171564	23.15	ug/L	96
26) 2,2-Dichloropropane	9.52	77	261395	26.88	ug/L	98
27) Bromochloromethane	9.63	128	87755	24.02	ug/L	94
28) Cyclohexane	9.67	56	269476	27.40	ug/L	97
29) Chloroform	9.68	83	314888	25.32	ug/L	99
30) Tetrahydrofuran	9.92	42	46072	22.88	ug/L	96
32) Carbon Tetrachloride	9.92	117	261189	24.64	ug/L	98
33) 1,1,1-Trichloroethane	10.00	97	274757	26.16	ug/L	98
34) 2-Butanone	10.03	43	383004	103.72	ug/L	100
35) 1,1-Dichloropropene	10.13	75	238807	26.34	ug/L	97
36) Benzene	10.44	78	653071	24.85	ug/L	99

(#) = qualifier out of range (m) = manual integration
N0017074.D 8260N.M Tue Feb 13 09:43:24 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017074.D Vial: 11
Acq On : 12 Feb 2007 4:40 pm Operator: calvins
Sample : F47019-1msd,100x Inst : MSVOA8
Misc : ms7437,vn725,,,,,100 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 08:16:48 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
37) TAME	10.51	73	471819	25.36 ug/L	95
39) 1,2-Dichloroethane	10.67	62	249912	24.09 ug/L	96
40) Trichloroethene	11.13	95	172950	25.54 ug/L	99
41) Methylcyclohexane	11.15	83	291021	28.72 ug/L	99
42) Dibromomethane	11.65	93	103343	23.98 ug/L	97
43) 1,2-Dichloropropane	11.75	63	158775	24.76 ug/L	98
44) Bromodichloromethane	11.80	83	236355	23.37 ug/L	99
45) 2-Chloroethyl vinyl ether	12.38	63	469894	115.28 ug/L	99
46) cis-1,3-Dichloropropene	12.52	75	284113	24.82 ug/L	99
49) Toluene	12.80	91	807964	27.26 ug/L	98
50) 2-Nitropropane	13.04	41	226189	99.46 ug/L	100
51) 4-Methyl-2-pentanone	13.16	43	837752	119.94 ug/L	99
52) trans-1,3-Dichloropropene	13.23	75	279351	25.37 ug/L	97
53) Tetrachloroethene	13.26	166	183150	24.79 ug/L	98
54) 1,1,2-Trichloroethane	13.43	83	128280	22.94 ug/L	99
55) Dibromochloromethane	13.66	129	170720	19.41 ug/L	99
56) 1,3-Dichloropropane	13.75	76	268247	22.65 ug/L	97
57) 1,2-Dibromoethane	13.96	107	164414	23.09 ug/L	97
58) 2-hexanone	14.08	43	599771	111.72 ug/L	99
59) 1-Chlorohexane	14.42	91	250619	24.50 ug/L	98
60) Ethylbenzene	14.50	91	781545	24.29 ug/L	99
61) Chlorobenzene	14.52	112	449883	24.48 ug/L	99
62) 1,1,1,2-Tetrachloroethane	14.57	131	161158	23.69 ug/L	97
63) m,p-Xylene	14.65	91	1383470	53.92 ug/L	98
64) o-Xylene	15.14	91	2991179	99.94 ug/L	98
65) Styrene	15.19	104	499436	21.60 ug/L	99
66) Bromoform	15.28	173	127504	22.89 ug/L	98
67) Isopropylbenzene	15.47	105	768231	26.81 ug/L	98
70) n-Propylbenzene	15.92	91	979737	25.29 ug/L	99
71) Bromobenzene	15.97	156	208610	23.90 ug/L	100
72) 1,1,2,2-Tetrachloroethane	15.99	83	203863	23.66 ug/L	98
73) 1,3,5-Trimethylbenzene	16.10	105	674755	24.96 ug/L	98
74) 2-Chlorotoluene	16.14	91	681519	24.77 ug/L	99
75) trans-1,4-Dichloro-2-Buten	16.18	53	64903	26.08 ug/L #	84
76) 1,2,3-Trichloropropane	16.18	110	64054	23.47 ug/L	99
77) Cyclohexanone	16.26	55	24972	109.16 ug/L	95
78) 4-Chlorotoluene	16.32	91	624377	24.98 ug/L	98
79) tert-Butylbenzene	16.48	91	410121	26.02 ug/L	99
80) 1,2,4-Trimethylbenzene	16.55	105	702875	24.90 ug/L	99
81) sec-Butylbenzene	16.68	105	895999	26.41 ug/L	99
82) 4-Isopropyltoluene	16.80	119	707096	25.66 ug/L	100
83) 1,3-Dichlorobenzene	16.98	146	390419	24.48 ug/L	100
84) 1,4-Dichlorobenzene	17.07	146	388455	24.78 ug/L	98
85) n-Butylbenzene	17.28	92	439486	25.96 ug/L	99
86) Benzyl Chloride	17.32	126	90329	25.47 ug/L	98
87) 1,2-Dichlorobenzene	17.55	146	384411	24.60 ug/L	99
88) 1,2-Dibromo-3-Chloropropan	18.39	75	44242	22.82 ug/L	97
89) Hexachlorobutadiene	19.04	225	148630	25.23 ug/L	98
90) 1,2,4-Trichlorobenzene	19.12	180	301785	24.08 ug/L	99

(#) = qualifier out of range (m) = manual integration
N0017074.D 8260N.M Tue Feb 13 09:43:25 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017074.D Vial: 11
Acq On : 12 Feb 2007 4:40 pm Operator: calvins
Sample : F47019-1msd,100x Inst : MSVOA8
Misc : ms7437,vn725,,,,,100 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 08:16:48 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

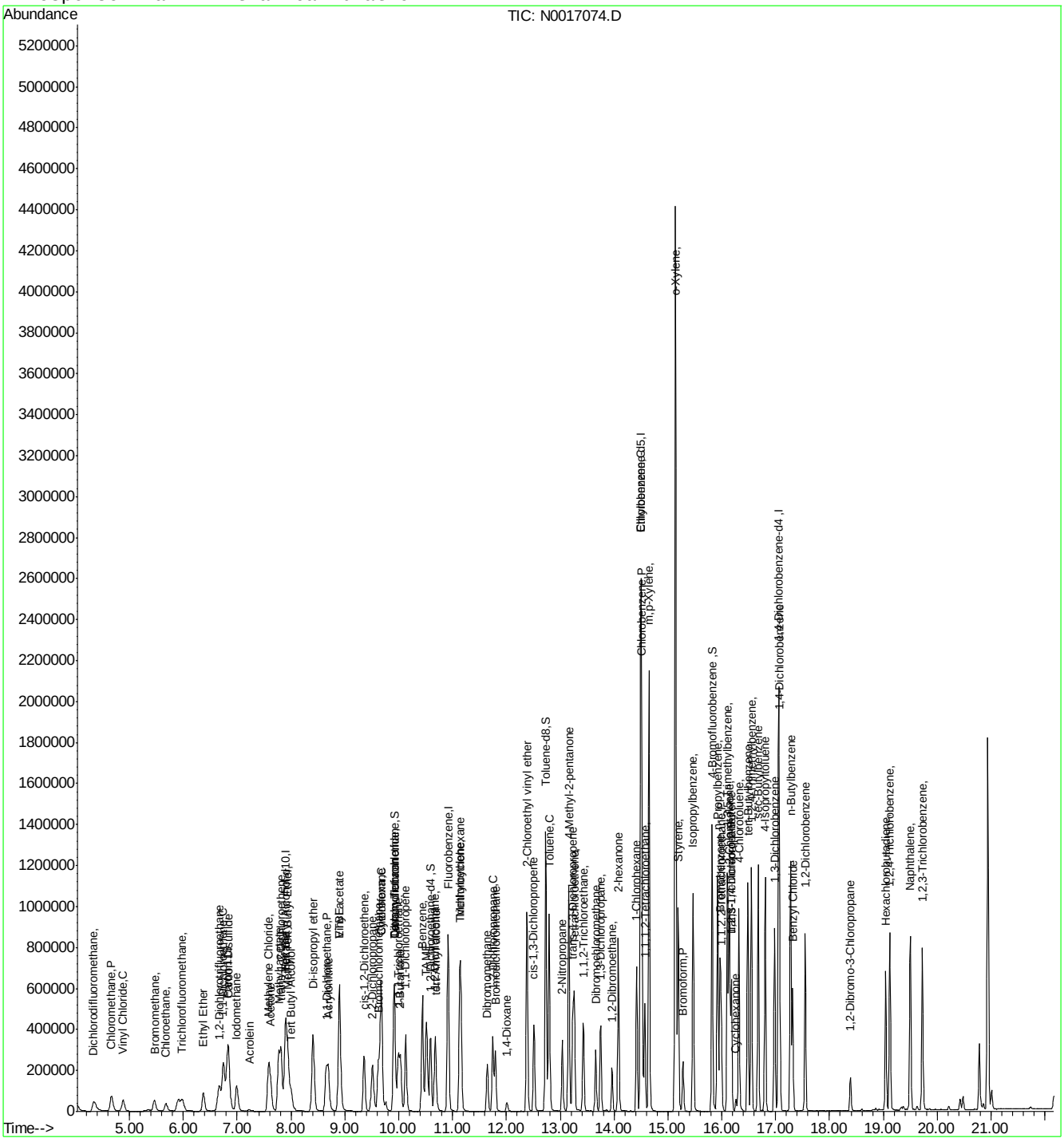
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	19.50	128	736345	24.10	ug/L	98
92)	1,2,3-Trichlorobenzene	19.72	180	282185	23.48	ug/L	99
94)	Acrolein	7.23	56	16856	200.90	ug/L	93
95)	Tert Butyl Alcohol	8.00	59	176120	239.98	ug/L	97
96)	tert Amyl alcohol	10.69	59	133832	244.71	ug/L	99
97)	1,4-Dioxane	12.01	88	38908	454.05	ug/L	95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017074.D Vial: 11
Acq On : 12 Feb 2007 4:40 pm Operator: calvins
Sample : F47019-1msd,100x Inst : MSVOA8
Misc : ms7437,vn725,,,,,100 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 13 8:16 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017960.D Vial: 10
Acq On : 13 Feb 2007 1:49 pm Operator: calvins
Sample : F47149-1ms Inst : MSVOA7
Misc : ms7443,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 14:12:06 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.09	96	1469877	50.00 ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1350635	50.00 ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	875891	50.00 ug/L	0.00
93) Tert Butyl alcohol-d10	7.31	65	246236	250.00 ug/L	0.00
System Monitoring Compounds					
31) Dibromofluoromethane	9.38	113	440290	51.90 ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 103.80%		
36) 1,2-Dichloroethane-d4	9.79	65	675004	51.44 ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 102.88%		
50) Toluene-d8	11.74	98	1489679	49.50 ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 99.00%		
70) 4-Bromofluorobenzene	14.62	95	817354	47.16 ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 94.32%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.20	85	420429	43.17 ug/L	99
3) Chloromethane	4.53	50	312422	29.69 ug/L	100
4) Vinyl Chloride	4.75	62	223164	25.03 ug/L	93
5) Bromomethane	5.38	94	146037	26.48 ug/L	92
6) Chloroethane	5.55	64	102536	23.89 ug/L	87
7) Trichlorofluoromethane	5.93	101	424745	35.99 ug/L	95
8) Ethyl Ether	6.29	59	200053	22.57 ug/L	92
9) 1,2-Dichlorotrifluoroethan	6.36	67	282433	29.49 ug/L	97
10) Freon 113	6.61	101	234187	27.51 ug/L	95
11) 1,1-Dichloroethene	6.69	61	443228	24.05 ug/L	97
12) Acetone	6.80	43	653634	91.79 ug/L	98
13) Iodomethane	6.97	142	381864	23.63 ug/L	97
14) Carbon Disulfide	7.05	76	700921	28.17 ug/L	97
15) Methyl acetate	7.16	43	1196265	118.38 ug/L	98
16) Methylene Chloride	7.37	49	439465	21.57 ug/L	95
17) Methyl Tert Butyl Ether	7.59	73	723979	23.38 ug/L	96
18) trans-1,2-Dichloroethene	7.65	61	410605	25.81 ug/L	98
19) Acrylonitrile	7.73	53	611664	144.91 ug/L	98
20) Hexane	7.85	57	339399	26.24 ug/L	97
21) Di-isopropyl ether	8.09	45	1103417	24.97 ug/L	97
22) Vinyl acetate	8.15	43	3124023	169.32 ug/L	98
23) 1,1-Dichloroethane	8.21	63	470043	26.30 ug/L	98
24) ETBE	8.51	59	963003	27.39 ug/L	98
25) 2-Butanone	8.84	43	830093	104.56 ug/L	97
26) 2,2-Dichloropropane	8.85	77	393791	27.40 ug/L	97
27) cis-1,2-Dichloroethene	8.87	96	242173	24.74 ug/L	97
28) Bromochloromethane	9.16	128	125063	24.82 ug/L	95
29) Tetrahydrofuran	9.16	42	100503	23.94 ug/L	98
30) Chloroform	9.19	83	450757	26.00 ug/L	95
32) 1,1,1-Trichloroethane	9.40	97	433768	26.89 ug/L	98
33) Cyclohexane	9.41	56	465964	26.82 ug/L	96
34) Carbon Tetrachloride	9.55	117	396806	26.72 ug/L	99
35) 1,1-Dichloropropene	9.56	75	322118	27.13 ug/L	96
37) TAME	9.79	73	693625	24.86 ug/L	95

(#) = qualifier out of range (m) = manual integration
M0017960.D 8260M.M Tue Feb 13 15:06:07 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017960.D Vial: 10
Acq On : 13 Feb 2007 1:49 pm Operator: calvins
Sample : F47149-1ms Inst : MSVOA7
Misc : ms7443,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 14:12:06 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38) Benzene	9.79	78	785590	26.20 ug/L	82
39) 1,2-Dichloroethane	9.87	62	488515	25.27 ug/L	98
40) Trichloroethene	10.46	95	249016	24.71 ug/L	97
41) Methylcyclohexane	10.62	83	370620	27.24 ug/L	96
42) 1,2-Dichloropropane	10.76	63	220451	24.30 ug/L	98
43) Dibromomethane	10.91	93	157899	25.28 ug/L	98
44) Bromodichloromethane	11.02	83	340609	24.61 ug/L	95
46) 2-Nitropropane	11.31	41	487672	132.49 ug/L	98
47) cis-1,3-Dichloropropene	11.48	75	368171	24.63 ug/L	94
48) 4-Methyl-2-pentanone	11.57	43	1810031	126.21 ug/L	99
51) Toluene	11.81	91	943502	25.39 ug/L	99
52) trans-1,3-Dichloropropene	12.07	75	368614	25.02 ug/L	92
53) 1,1,2-Trichloroethane	12.29	83	174210	25.10 ug/L	94
54) Tetrachloroethene	12.39	166	253658	24.28 ug/L	92
55) 2-hexanone	12.45	43	1308112	118.63 ug/L	98
56) 1,3-Dichloropropane	12.49	76	358249	23.88 ug/L	96
57) Dibromochloromethane	12.73	129	260461	22.79 ug/L	97
58) 1,2-Dibromoethane	12.91	107	246183	24.21 ug/L	100
59) 1-Chlorohexane	13.21	91	329710	28.96 ug/L	96
60) Chlorobenzene	13.38	112	654100	25.80 ug/L	97
61) Ethylbenzene	13.41	91	1199052	26.12 ug/L	98
62) 1,1,1,2-Tetrachloroethane	13.45	131	273700	27.25 ug/L	97
63) m,p-Xylene	13.52	91	1935316	53.70 ug/L	100
64) o-Xylene	13.99	91	1059107	26.53 ug/L	97
65) Styrene	14.01	104	788141	25.39 ug/L	95
66) Bromoform	14.32	173	201518	25.52 ug/L	95
68) Isopropylbenzene	14.35	105	1251607	26.06 ug/L	100
69) Cyclohexanone	14.61	55	62161	118.65 ug/L #	76
71) 1,1,2,2-Tetrachloroethane	14.75	83	343813	24.62 ug/L	98
72) trans-1,4-Dichloro-2-Buten	14.81	53	153488	23.01 ug/L	91
73) n-Propylbenzene	14.80	91	1549312	25.24 ug/L	100
74) Bromobenzene	14.83	156	341465	22.92 ug/L	97
75) 1,2,3-Trichloropropane	14.84	110	118504	24.52 ug/L	94
76) 1,3,5-Trimethylbenzene	14.97	105	1165002	24.92 ug/L	100
77) 2-Chlorotoluene	14.99	91	1122167	24.73 ug/L	95
78) 4-Chlorotoluene	15.11	91	1059346	24.75 ug/L	100
79) tert-Butylbenzene	15.34	91	733658	26.02 ug/L	99
80) 1,2,4-Trimethylbenzene	15.41	105	1247076	24.68 ug/L	98
81) sec-Butylbenzene	15.59	105	1533977	26.47 ug/L	100
82) 4-Isopropyltoluene	15.72	119	1274916	25.90 ug/L	98
83) 1,3-Dichlorobenzene	15.83	146	682622	25.49 ug/L	97
84) 1,4-Dichlorobenzene	15.93	146	703136	26.33 ug/L	100
85) Benzyl Chloride	16.07	91	868948	27.62 ug/L	99
86) n-Butylbenzene	16.18	91	1248305	27.13 ug/L	98
87) 1,2-Dichlorobenzene	16.37	146	681080	25.69 ug/L	97
88) 1,2-Dibromo-3-Chloropropan	17.24	75	84795	24.92 ug/L	91
89) 1,2,4-Trichlorobenzene	18.13	180	490054	24.81 ug/L	99
90) Hexachlorobutadiene	18.21	225	211001	24.16 ug/L	93
91) Naphthalene	18.47	128	1309296	25.92 ug/L	99

(#) = qualifier out of range (m) = manual integration
M0017960.D 8260M.M Tue Feb 13 15:06:07 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017960.D Vial: 10
Acq On : 13 Feb 2007 1:49 pm Operator: calvins
Sample : F47149-1ms Inst : MSVOA7
Misc : ms7443,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 14:12:06 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

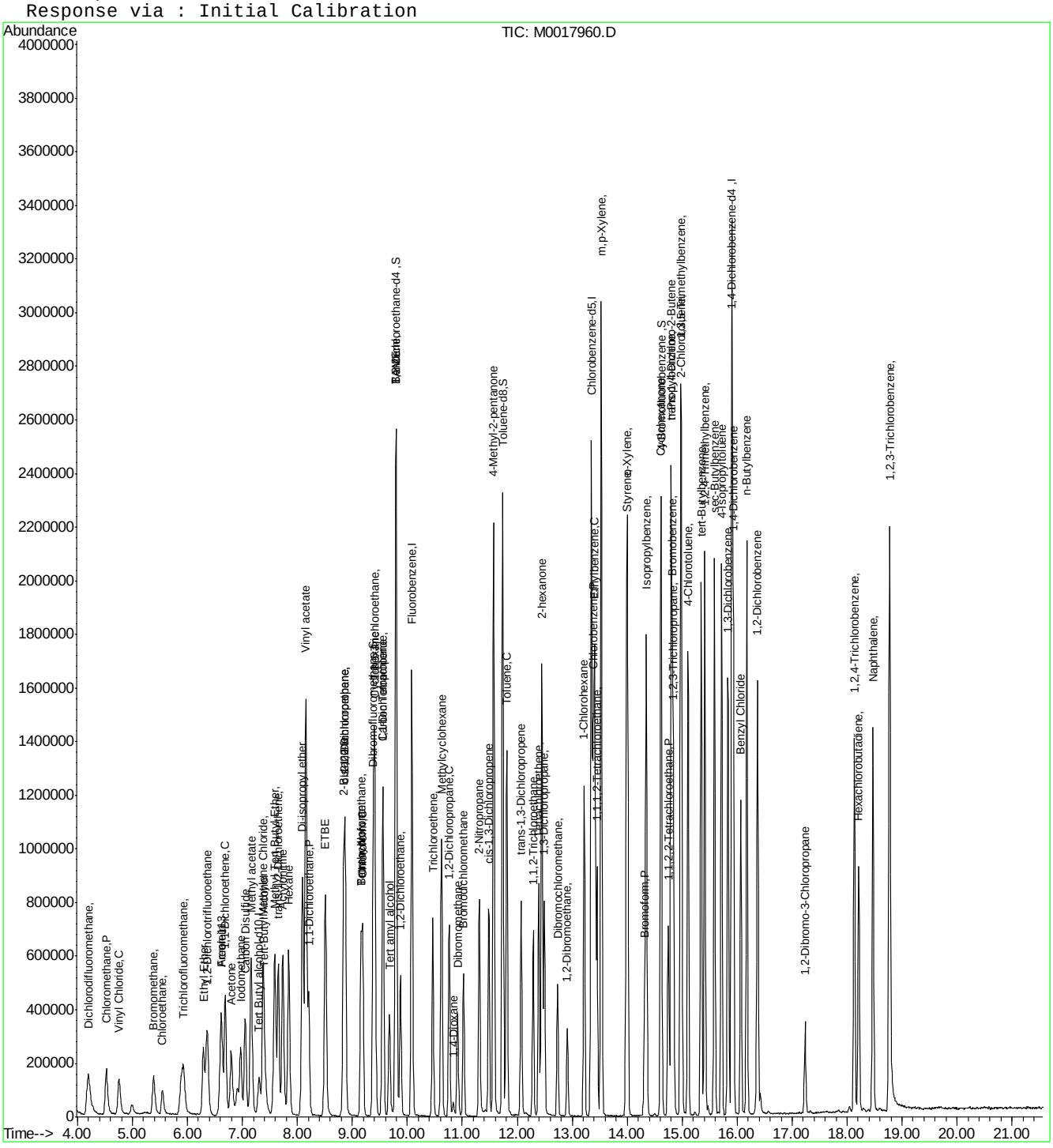
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92) 1,2,3-Trichlorobenzene	18.77	180	456609	24.37	ug/L	98
94) Acrolein	6.61	56	97253	103.75	ug/L	98
95) Tert-Butyl Alcohol	7.40	59	336332	249.44	ug/L	96
96) Tert amyl alcohol	9.67	59	260516	258.24	ug/L	96
97) 1,4-Dioxane	10.84	88	37349	323.14	ug/L	94

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017960.D Vial: 10
Acq On : 13 Feb 2007 1:49 pm Operator: calvins
Sample : F47149-1ms Inst : MSVOA7
Misc : ms7443,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 14:12 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017961.D Vial: 10
Acq On : 13 Feb 2007 2:17 pm Operator: calvins
Sample : F47149-1msd Inst : MSVOA7
Misc : ms7443,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 14:46:26 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.08	96	1645976	50.00 ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1478776	50.00 ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	916534	50.00 ug/L	0.00
93) Tert Butyl alcohol-d10	7.29	65	294388	250.00 ug/L	0.00
System Monitoring Compounds					
31) Dibromofluoromethane	9.38	113	488985	51.47 ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 102.94%		
36) 1,2-Dichloroethane-d4	9.79	65	764128	52.00 ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 104.00%		
50) Toluene-d8	11.74	98	1660647	50.40 ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 100.80%		
70) 4-Bromofluorobenzene	14.61	95	878612	48.45 ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 96.90%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.19	85	481421	44.14 ug/L	95
3) Chloromethane	4.51	50	395425	33.56 ug/L	99
4) Vinyl Chloride	4.75	62	297340	29.78 ug/L	96
5) Bromomethane	5.37	94	194109	31.43 ug/L	96
6) Chloroethane	5.54	64	132878	27.65 ug/L	89
7) Trichlorofluoromethane	5.91	101	461503	34.92 ug/L	96
8) Ethyl Ether	6.29	59	224194	22.58 ug/L	98
9) 1,2-Dichlorotrifluoroethan	6.35	67	305716	28.50 ug/L	98
10) Freon 113	6.61	101	255369	26.79 ug/L	95
11) 1,1-Dichloroethene	6.69	61	477579	23.14 ug/L	95
12) Acetone	6.80	43	644129	80.78 ug/L	98
13) Iodomethane	6.96	142	424960	23.49 ug/L	97
14) Carbon Disulfide	7.05	76	744972	26.74 ug/L	99
15) Methyl acetate	7.15	43	1320050	116.65 ug/L	97
16) Methylene Chloride	7.37	49	472009	20.69 ug/L	96
17) Methyl Tert Butyl Ether	7.59	73	822318	23.71 ug/L	97
18) trans-1,2-Dichloroethene	7.65	61	435763	24.46 ug/L	94
19) Acrylonitrile	7.73	53	703467	148.83 ug/L	99
20) Hexane	7.84	57	364102	25.14 ug/L	98
21) Di-isopropyl ether	8.09	45	1184742	23.94 ug/L	98
22) Vinyl acetate	8.15	43	3448177	166.90 ug/L	99
23) 1,1-Dichloroethane	8.20	63	504459	25.20 ug/L	97
24) ETBE	8.51	59	1036492	26.32 ug/L	98
25) 2-Butanone	8.84	43	914487	102.87 ug/L	99
26) 2,2-Dichloropropane	8.85	77	418832	26.03 ug/L	99
27) cis-1,2-Dichloroethene	8.87	96	262733	23.97 ug/L	93
28) Bromochloromethane	9.16	128	137189	24.32 ug/L	89
29) Tetrahydrofuran	9.16	42	110393	23.48 ug/L	96
30) Chloroform	9.19	83	491881	25.34 ug/L	97
32) 1,1,1-Trichloroethane	9.40	97	470752	26.06 ug/L	96
33) Cyclohexane	9.41	56	489199	25.15 ug/L	94
34) Carbon Tetrachloride	9.55	117	421062	25.32 ug/L	99
35) 1,1-Dichloropropene	9.56	75	339981	25.57 ug/L	96
37) TAME	9.78	73	752922	24.10 ug/L	97

(#) = qualifier out of range (m) = manual integration
M0017961.D 8260M.M Tue Feb 13 15:06:10 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017961.D Vial: 10
Acq On : 13 Feb 2007 2:17 pm Operator: calvins
Sample : F47149-1msd Inst : MSVOA7
Misc : ms7443,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 14:46:26 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38) Benzene	9.79	78	829259	24.70 ug/L	81
39) 1,2-Dichloroethane	9.87	62	520558	24.04 ug/L	96
40) Trichloroethene	10.46	95	263583	23.35 ug/L	97
41) Methylcyclohexane	10.62	83	392622	25.77 ug/L	91
42) 1,2-Dichloropropane	10.76	63	235014	23.14 ug/L	93
43) Dibromomethane	10.91	93	171563	24.52 ug/L	99
44) Bromodichloromethane	11.02	83	369734	23.85 ug/L	97
46) 2-Nitropropane	11.30	41	519364	126.01 ug/L	96
47) cis-1,3-Dichloropropene	11.48	75	391427	23.38 ug/L	93
48) 4-Methyl-2-pentanone	11.57	43	2006083	124.92 ug/L	99
51) Toluene	11.81	91	1001132	24.61 ug/L	97
52) trans-1,3-Dichloropropene	12.07	75	407998	25.30 ug/L	91
53) 1,1,2-Trichloroethane	12.29	83	183557	24.15 ug/L	98
54) Tetrachloroethene	12.39	166	277990	24.31 ug/L	97
55) 2-hexanone	12.45	43	1447489	119.90 ug/L	98
56) 1,3-Dichloropropane	12.49	76	377592	22.98 ug/L	95
57) Dibromochloromethane	12.73	129	290325	23.20 ug/L	97
58) 1,2-Dibromoethane	12.91	107	270100	24.26 ug/L	99
59) 1-Chlorohexane	13.21	91	343433	27.55 ug/L	97
60) Chlorobenzene	13.38	112	691805	24.92 ug/L	99
61) Ethylbenzene	13.41	91	1263296	25.13 ug/L	100
62) 1,1,1,2-Tetrachloroethane	13.45	131	288491	26.23 ug/L	98
63) m,p-Xylene	13.52	91	1993358	50.52 ug/L	100
64) o-Xylene	13.99	91	1101259	25.19 ug/L	98
65) Styrene	14.00	104	827874	24.36 ug/L	98
66) Bromoform	14.31	173	213857	24.74 ug/L	96
68) Isopropylbenzene	14.35	105	1267794	25.22 ug/L	98
69) Cyclohexanone	14.61	55	65879	120.17 ug/L #	67
71) 1,1,2,2-Tetrachloroethane	14.75	83	356937	24.42 ug/L	100
72) trans-1,4-Dichloro-2-Buten	14.81	53	156569	22.43 ug/L	96
73) n-Propylbenzene	14.80	91	1594489	24.82 ug/L	100
74) Bromobenzene	14.83	156	357556	22.94 ug/L	97
75) 1,2,3-Trichloropropane	14.84	110	124496	24.62 ug/L	97
76) 1,3,5-Trimethylbenzene	14.97	105	1180724	24.13 ug/L	97
77) 2-Chlorotoluene	14.99	91	1154842	24.32 ug/L	97
78) 4-Chlorotoluene	15.11	91	1082836	24.18 ug/L	100
79) tert-Butylbenzene	15.34	91	735820	24.94 ug/L	98
80) 1,2,4-Trimethylbenzene	15.41	105	1263609	23.90 ug/L	96
81) sec-Butylbenzene	15.59	105	1543382	25.45 ug/L	98
82) 4-Isopropyltoluene	15.71	119	1295361	25.15 ug/L	99
83) 1,3-Dichlorobenzene	15.83	146	685700	24.47 ug/L	96
84) 1,4-Dichlorobenzene	15.93	146	692898	24.79 ug/L	98
85) Benzyl Chloride	16.07	91	859236	26.10 ug/L	98
86) n-Butylbenzene	16.18	91	1224836	25.44 ug/L	98
87) 1,2-Dichlorobenzene	16.37	146	672683	24.24 ug/L	96
88) 1,2-Dibromo-3-Chloropropan	17.24	75	87209	24.50 ug/L	97
89) 1,2,4-Trichlorobenzene	18.13	180	489888	23.70 ug/L	97
90) Hexachlorobutadiene	18.21	225	210101	22.99 ug/L	97
91) Naphthalene	18.47	128	1295019	24.50 ug/L	98

(#) = qualifier out of range (m) = manual integration
M0017961.D 8260M.M Tue Feb 13 15:06:10 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017961.D Vial: 10
Acq On : 13 Feb 2007 2:17 pm Operator: calvins
Sample : F47149-1msd Inst : MSVOA7
Misc : ms7443,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 14:46:26 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

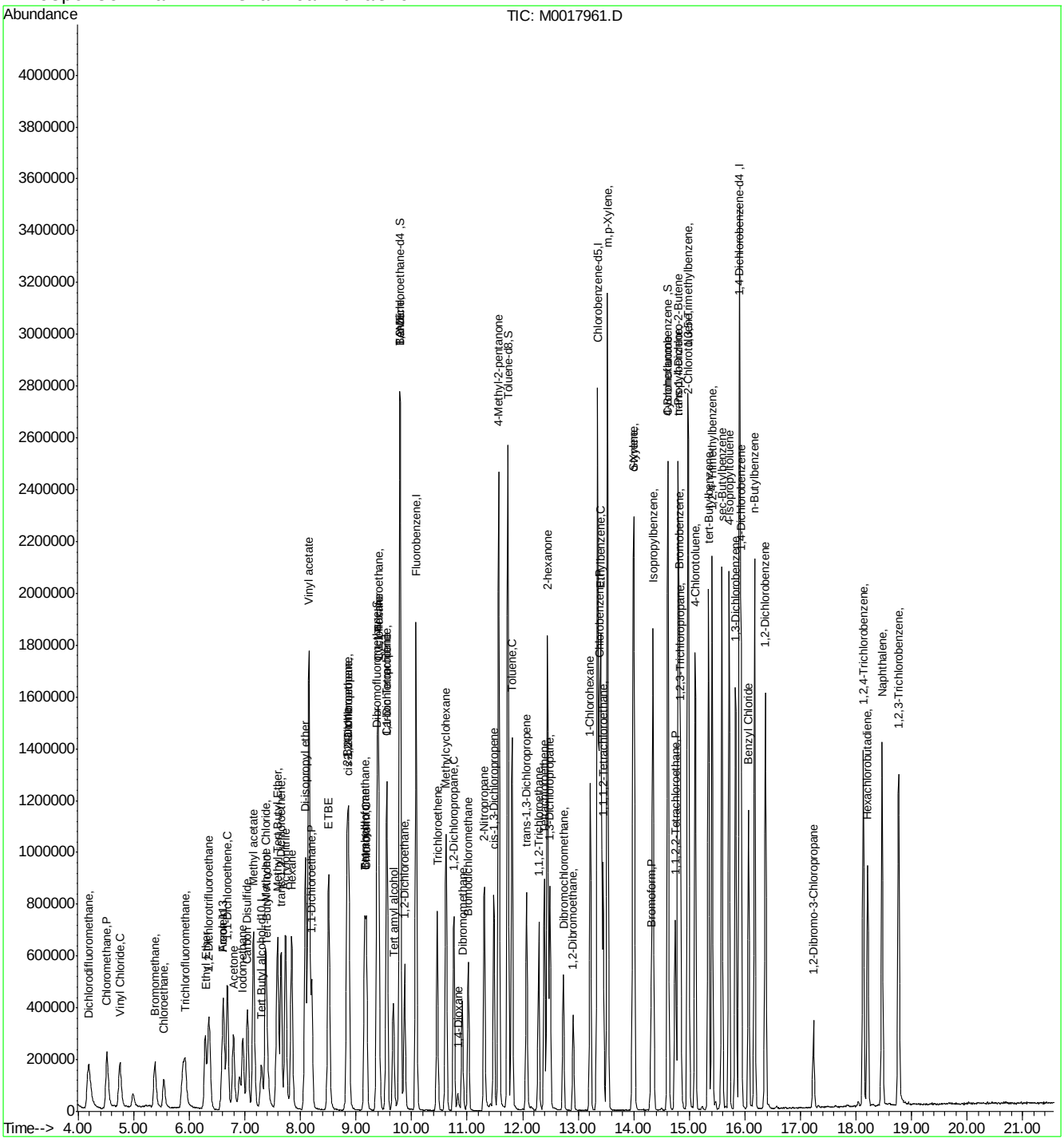
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92) 1,2,3-Trichlorobenzene	18.77	180	457307	23.32	ug/L	96
94) Acrolein	6.61	56	120020	107.09	ug/L	93
95) Tert-Butyl Alcohol	7.40	59	372915	231.34	ug/L	97
96) Tert amyl alcohol	9.67	59	295946	245.38	ug/L	97
97) 1,4-Dioxane	10.83	88	51714	374.24	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed
M0017961.D 8260M.M Tue Feb 13 15:06:11 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017961.D Vial: 10
Acq On : 13 Feb 2007 2:17 pm Operator: calvins
Sample : F47149-1msd Inst : MSVOA7
Misc : ms7443,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 14:46 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017987.D Vial: 10
Acq On : 14 Feb 2007 1:28 pm Operator: calvins
Sample : F47081-7ms Inst : MSVOA7
Misc : ms7459,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 13:54:10 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.08	96	2040760	50.00 ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1894788	50.00 ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	1146112	50.00 ug/L	0.00
93) Tert Butyl alcohol-d10	7.30	65	422296	250.00 ug/L	0.00
System Monitoring Compounds					
31) Dibromofluoromethane	9.38	113	616869	52.37 ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 104.74%		
36) 1,2-Dichloroethane-d4	9.79	65	951691	52.24 ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 104.48%		
50) Toluene-d8	11.74	98	2055013	48.67 ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 97.34%		
70) 4-Bromofluorobenzene	14.62	95	1064297	46.93 ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 93.86%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.19	85	643498	47.59 ug/L	94
3) Chloromethane	4.53	50	562412	38.50 ug/L	99
4) Vinyl Chloride	4.77	62	446488	36.07 ug/L	97
5) Bromomethane	5.38	94	260689	34.05 ug/L	99
6) Chloroethane	5.55	64	205541	34.50 ug/L	95
7) Trichlorofluoromethane	5.92	101	538268	32.85 ug/L	97
8) Ethyl Ether	6.29	59	313095	25.44 ug/L	97
9) 1,2-Dichlorotrifluoroethan	6.36	67	407520	30.64 ug/L	98
10) Freon 113	6.61	101	373766	31.63 ug/L	99
11) 1,1-Dichloroethene	6.68	61	685516	26.79 ug/L	99
12) Acetone	6.80	43	845299	85.50 ug/L	100
13) Iodomethane	6.97	142	602718	26.87 ug/L	98
14) Carbon Disulfide	7.05	76	1037543	30.03 ug/L	97
15) Methyl acetate	7.15	43	1808959	128.93 ug/L	99
16) Methylene Chloride	7.37	49	671708	23.75 ug/L	98
17) Methyl Tert Butyl Ether	7.59	73	1109194	25.80 ug/L	98
18) trans-1,2-Dichloroethene	7.65	61	623265	28.22 ug/L	97
19) Acrylonitrile	7.73	53	707765	120.77 ug/L	94
20) Hexane	7.84	57	579315	32.26 ug/L	96
21) Di-isopropyl ether	8.09	45	1640638	26.74 ug/L	100
22) Vinyl acetate	8.15	43	1798139	70.20 ug/L	100
23) 1,1-Dichloroethane	8.21	63	698516	28.15 ug/L	97
24) ETBE	8.51	59	1449059	29.68 ug/L	98
25) 2-Butanone	8.84	43	1325253	120.24 ug/L	98
26) 2,2-Dichloropropane	8.85	77	636861	31.92 ug/L	96
27) cis-1,2-Dichloroethene	8.87	96	351909	25.90 ug/L	98
28) Bromochloromethane	9.16	128	178402	25.50 ug/L	98
29) Tetrahydrofuran	9.15	42	150771	25.87 ug/L	92
30) Chloroform	9.19	83	678284	28.18 ug/L	99
32) 1,1,1-Trichloroethane	9.40	97	670151	29.92 ug/L	97
33) Cyclohexane	9.41	56	769819	31.92 ug/L	97
34) Carbon Tetrachloride	9.55	117	592494	28.73 ug/L	95
35) 1,1-Dichloropropene	9.56	75	487237	29.55 ug/L	96
37) TAME	9.79	73	1036821	26.77 ug/L	98

(#) = qualifier out of range (m) = manual integration
M0017987.D 8260M.M Wed Feb 14 14:25:08 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017987.D Vial: 10
Acq On : 14 Feb 2007 1:28 pm Operator: calvins
Sample : F47081-7ms Inst : MSVOA7
Misc : ms7459,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 13:54:10 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38) Benzene	9.79	78	1137100	27.31 ug/L	86
39) 1,2-Dichloroethane	9.87	62	706594	26.32 ug/L	98
40) Trichloroethene	10.46	95	366010	26.15 ug/L	96
41) Methylcyclohexane	10.62	83	606449	32.10 ug/L	98
42) 1,2-Dichloropropane	10.76	63	335539	26.64 ug/L	96
43) Dibromomethane	10.91	93	226457	26.11 ug/L	96
44) Bromodichloromethane	11.02	83	501091	26.07 ug/L	97
45) 2-Chloroethyl vinyl ether	11.25	63	76677	9.18 ug/L	94
46) 2-Nitropropane	11.31	41	672531	131.60 ug/L	97
47) cis-1,3-Dichloropropene	11.48	75	542186	26.12 ug/L	98
48) 4-Methyl-2-pentanone	11.57	43	2751667	138.20 ug/L	99
51) Toluene	11.81	91	1359610	26.08 ug/L	98
52) trans-1,3-Dichloropropene	12.07	75	566058	27.39 ug/L	97
53) 1,1,2-Trichloroethane	12.29	83	229265	23.54 ug/L	93
54) Tetrachloroethene	12.39	166	416061	28.39 ug/L	95
55) 2-hexanone	12.45	43	1953283	126.27 ug/L	99
56) 1,3-Dichloropropane	12.49	76	502393	23.87 ug/L	98
57) Dibromochloromethane	12.73	129	385109	24.02 ug/L	99
58) 1,2-Dibromoethane	12.91	107	355861	24.95 ug/L	98
59) 1-Chlorohexane	13.21	91	453380	28.39 ug/L	99
60) Chlorobenzene	13.38	112	928038	26.09 ug/L	98
61) Ethylbenzene	13.41	91	1896785	29.45 ug/L	97
62) 1,1,1,2-Tetrachloroethane	13.45	131	387300	27.49 ug/L	97
63) m,p-Xylene	13.52	91	2768732	54.76 ug/L	99
64) o-Xylene	13.99	91	1499171	26.76 ug/L	99
65) Styrene	14.00	104	1104638	25.37 ug/L	100
66) Bromoform	14.32	173	301862	27.25 ug/L	97
68) Isopropylbenzene	14.35	105	1937116	30.82 ug/L	100
69) Cyclohexanone	14.61	55	85513	124.74 ug/L #	76
71) 1,1,2,2-Tetrachloroethane	14.75	83	432556	23.67 ug/L	97
72) trans-1,4-Dichloro-2-Buten	14.81	53	157111	18.00 ug/L	93
73) n-Propylbenzene	14.80	91	2488895	30.98 ug/L	99
74) Bromobenzene	14.83	156	496948	25.50 ug/L	98
75) 1,2,3-Trichloropropane	14.84	110	155690	24.62 ug/L	95
76) 1,3,5-Trimethylbenzene	14.97	105	1792924	29.31 ug/L	100
77) 2-Chlorotoluene	14.99	91	1530398	25.77 ug/L	98
78) 4-Chlorotoluene	15.11	91	1413456	25.24 ug/L	99
79) tert-Butylbenzene	15.34	91	1013377	27.46 ug/L	98
80) 1,2,4-Trimethylbenzene	15.41	105	2082291	31.49 ug/L	97
81) sec-Butylbenzene	15.59	105	2303519	30.38 ug/L	99
82) 4-Isopropyltoluene	15.71	119	1858598	28.86 ug/L	97
83) 1,3-Dichlorobenzene	15.83	146	924904	26.39 ug/L	99
84) 1,4-Dichlorobenzene	15.93	146	922930	26.41 ug/L	98
85) Benzyl Chloride	16.07	91	1188311	28.87 ug/L	98
86) n-Butylbenzene	16.18	91	1873238	31.11 ug/L	98
87) 1,2-Dichlorobenzene	16.37	146	884869	25.50 ug/L	97
88) 1,2-Dibromo-3-Chloropropan	17.24	75	115368	25.91 ug/L	92
89) 1,2,4-Trichlorobenzene	18.13	180	680018	26.31 ug/L	97
90) Hexachlorobutadiene	18.21	225	324599	28.41 ug/L	92

(#) = qualifier out of range (m) = manual integration
M0017987.D 8260M.M Wed Feb 14 14:25:09 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017987.D Vial: 10
Acq On : 14 Feb 2007 1:28 pm Operator: calvins
Sample : F47081-7ms Inst : MSVOA7
Misc : ms7459,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 13:54:10 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

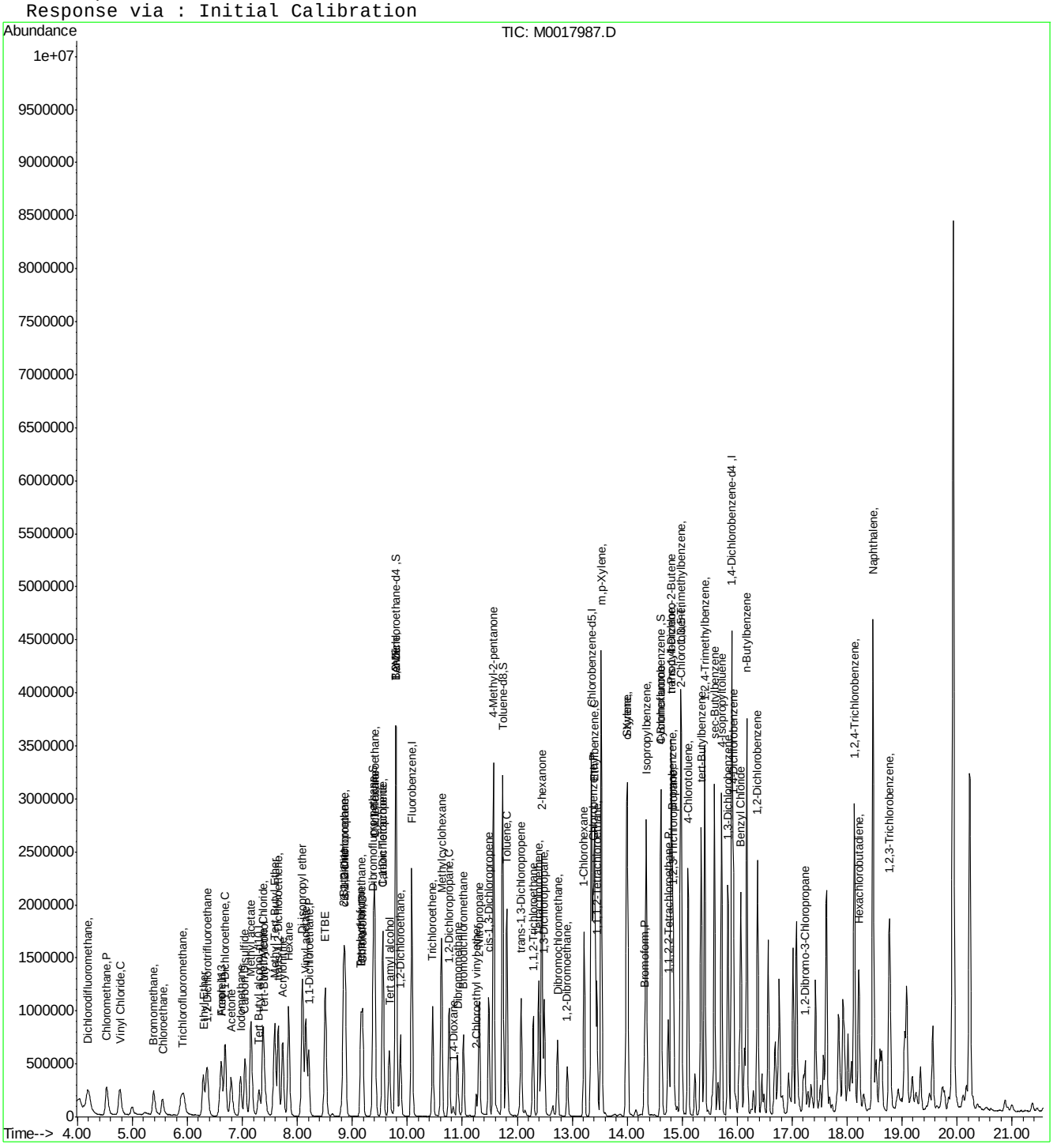
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	18.47	128	3657754	55.34	ug/L	99
92)	1,2,3-Trichlorobenzene	18.77	180	635737	25.93	ug/L	97
94)	Acrolein	6.61	56	34814	21.65	ug/L	87
95)	Tert-Butyl Alcohol	7.40	59	561593	242.86	ug/L	98
96)	Tert amyl alcohol	9.67	59	448337	259.14	ug/L	95
97)	1,4-Dioxane	10.84	88	62203	313.80	ug/L	95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017987.D Vial: 10
Acq On : 14 Feb 2007 1:28 pm Operator: calvins
Sample : F47081-7ms Inst : MSVOA7
Misc : ms7459,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 13:54 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017988.D Vial: 10
Acq On : 14 Feb 2007 1:57 pm Operator: calvins
Sample : F47081-7msd Inst : MSVOA7
Misc : ms7459,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 14:19:16 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.08	96	2043364	50.00 ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1864369	50.00 ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	1134473	50.00 ug/L	0.00
93) Tert Butyl alcohol-d10	7.30	65	430690	250.00 ug/L	0.00
System Monitoring Compounds					
31) Dibromofluoromethane	9.37	113	614036	52.07 ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 104.14%		
36) 1,2-Dichloroethane-d4	9.79	65	956536	52.44 ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 104.88%		
50) Toluene-d8	11.74	98	2025535	48.76 ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 97.52%		
70) 4-Bromofluorobenzene	14.61	95	1066868	47.52 ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 95.04%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.19	85	584517	43.17 ug/L	98
3) Chloromethane	4.52	50	519076	35.49 ug/L	97
4) Vinyl Chloride	4.76	62	400915	32.35 ug/L	100
5) Bromomethane	5.38	94	235836	30.76 ug/L	97
6) Chloroethane	5.54	64	191321	32.07 ug/L	99
7) Trichlorofluoromethane	5.93	101	484376	29.52 ug/L	99
8) Ethyl Ether	6.28	59	300830	24.41 ug/L	97
9) 1,2-Dichlorotrifluoroethan	6.35	67	371975	27.94 ug/L	97
10) Freon 113	6.61	101	342305	28.93 ug/L	98
11) 1,1-Dichloroethene	6.68	61	620697	24.23 ug/L	98
12) Acetone	6.80	43	837332	84.59 ug/L	98
13) Iodomethane	6.96	142	566280	25.21 ug/L	100
14) Carbon Disulfide	7.04	76	958603	27.71 ug/L	98
15) Methyl acetate	7.15	43	1770545	126.03 ug/L	98
16) Methylene Chloride	7.37	49	625563	22.09 ug/L	98
17) Methyl Tert Butyl Ether	7.59	73	1043490	24.24 ug/L	98
18) trans-1,2-Dichloroethene	7.65	61	579624	26.21 ug/L	97
19) Acrylonitrile	7.73	53	695643	118.55 ug/L	99
20) Hexane	7.84	57	523150	29.09 ug/L	95
21) Di-isopropyl ether	8.09	45	1537295	25.02 ug/L	96
22) Vinyl acetate	8.15	43	1645659	64.16 ug/L	100
23) 1,1-Dichloroethane	8.20	63	655705	26.39 ug/L	96
24) ETBE	8.50	59	1352197	27.66 ug/L	98
25) 2-Butanone	8.83	43	1292509	117.12 ug/L	97
26) 2,2-Dichloropropane	8.85	77	580076	29.04 ug/L	100
27) cis-1,2-Dichloroethene	8.87	96	326464	24.00 ug/L	97
28) Bromochloromethane	9.16	128	171758	24.52 ug/L	97
29) Tetrahydrofuran	9.15	42	145961	25.01 ug/L	96
30) Chloroform	9.19	83	623094	25.85 ug/L	99
32) 1,1,1-Trichloroethane	9.40	97	618764	27.59 ug/L	97
33) Cyclohexane	9.41	56	710042	29.40 ug/L	99
34) Carbon Tetrachloride	9.55	117	539232	26.12 ug/L	99
35) 1,1-Dichloropropene	9.56	75	445271	26.97 ug/L	97
37) TAME	9.79	73	960169	24.76 ug/L	100

(#) = qualifier out of range (m) = manual integration
M0017988.D 8260M.M Wed Feb 14 14:25:15 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017988.D Vial: 10
Acq On : 14 Feb 2007 1:57 pm Operator: calvins
Sample : F47081-7msd Inst : MSVOA7
Misc : ms7459,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 14:19:16 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38)	Benzene	9.79	78	1054393	25.30 ug/L	81
39)	1,2-Dichloroethane	9.87	62	675682	25.14 ug/L	99
40)	Trichloroethene	10.46	95	339176	24.21 ug/L	97
41)	Methylcyclohexane	10.62	83	557444	29.47 ug/L	99
42)	1,2-Dichloropropane	10.76	63	309112	24.51 ug/L	97
43)	Dibromomethane	10.91	93	210176	24.20 ug/L	91
44)	Bromodichloromethane	11.02	83	474361	24.65 ug/L	97
46)	2-Nitropropane	11.31	41	636812	124.45 ug/L	95
47)	cis-1,3-Dichloropropene	11.48	75	493018	23.72 ug/L	96
48)	4-Methyl-2-pentanone	11.56	43	2658573	133.35 ug/L	99
51)	Toluene	11.81	91	1236446	24.11 ug/L	98
52)	trans-1,3-Dichloropropene	12.07	75	521557	25.65 ug/L	99
53)	1,1,2-Trichloroethane	12.29	83	220452	23.01 ug/L	99
54)	Tetrachloroethene	12.39	166	372650	25.84 ug/L	98
55)	2-hexanone	12.44	43	1893415	124.40 ug/L	98
56)	1,3-Dichloropropane	12.49	76	454121	21.93 ug/L	95
57)	Dibromochloromethane	12.73	129	358256	22.71 ug/L	97
58)	1,2-Dibromoethane	12.91	107	338751	24.13 ug/L	100
59)	1-Chlorohexane	13.21	91	416455	26.50 ug/L	96
60)	Chlorobenzene	13.38	112	852299	24.35 ug/L	99
61)	Ethylbenzene	13.41	91	1717227	27.10 ug/L	98
62)	1,1,1,2-Tetrachloroethane	13.45	131	357230	25.77 ug/L	99
63)	m,p-Xylene	13.52	91	2507648	50.41 ug/L	98
64)	o-Xylene	13.99	91	1378358	25.01 ug/L	99
65)	Styrene	14.00	104	1018491	23.77 ug/L	99
66)	Bromoform	14.31	173	287941	26.42 ug/L	97
68)	Isopropylbenzene	14.35	105	1758656	28.27 ug/L	99
69)	Cyclohexanone	14.61	55	83012	122.34 ug/L #	67
71)	1,1,2,2-Tetrachloroethane	14.75	83	410796	22.71 ug/L	96
72)	trans-1,4-Dichloro-2-Buten	14.81	53	152361	17.63 ug/L	95
73)	n-Propylbenzene	14.80	91	2262752	28.46 ug/L	99
74)	Bromobenzene	14.83	156	462269	23.96 ug/L	97
75)	1,2,3-Trichloropropane	14.84	110	150848	24.10 ug/L	95
76)	1,3,5-Trimethylbenzene	14.97	105	1639189	27.07 ug/L	99
77)	2-Chlorotoluene	14.99	91	1408893	23.97 ug/L	97
78)	4-Chlorotoluene	15.11	91	1317339	23.76 ug/L	97
79)	tert-Butylbenzene	15.34	91	924967	25.32 ug/L	97
80)	1,2,4-Trimethylbenzene	15.41	105	1928112	29.46 ug/L	99
81)	sec-Butylbenzene	15.59	105	2121213	28.26 ug/L	100
82)	4-Isopropyltoluene	15.72	119	1711994	26.85 ug/L	99
83)	1,3-Dichlorobenzene	15.83	146	837789	24.15 ug/L	97
84)	1,4-Dichlorobenzene	15.93	146	852610	24.65 ug/L	98
85)	Benzyl Chloride	16.07	91	1131586	27.77 ug/L	98
86)	n-Butylbenzene	16.18	91	1728877	29.01 ug/L	98
87)	1,2-Dichlorobenzene	16.37	146	815592	23.75 ug/L	98
88)	1,2-Dibromo-3-Chloropropan	17.23	75	113355	25.72 ug/L	94
89)	1,2,4-Trichlorobenzene	18.13	180	637885	24.94 ug/L	97
90)	Hexachlorobutadiene	18.21	225	306531	27.10 ug/L	96
91)	Naphthalene	18.47	128	3458664	52.86 ug/L	99

(#) = qualifier out of range (m) = manual integration
M0017988.D 8260M.M Wed Feb 14 14:25:16 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017988.D Vial: 10
Acq On : 14 Feb 2007 1:57 pm Operator: calvins
Sample : F47081-7msd Inst : MSVOA7
Misc : ms7459,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 14:19:16 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

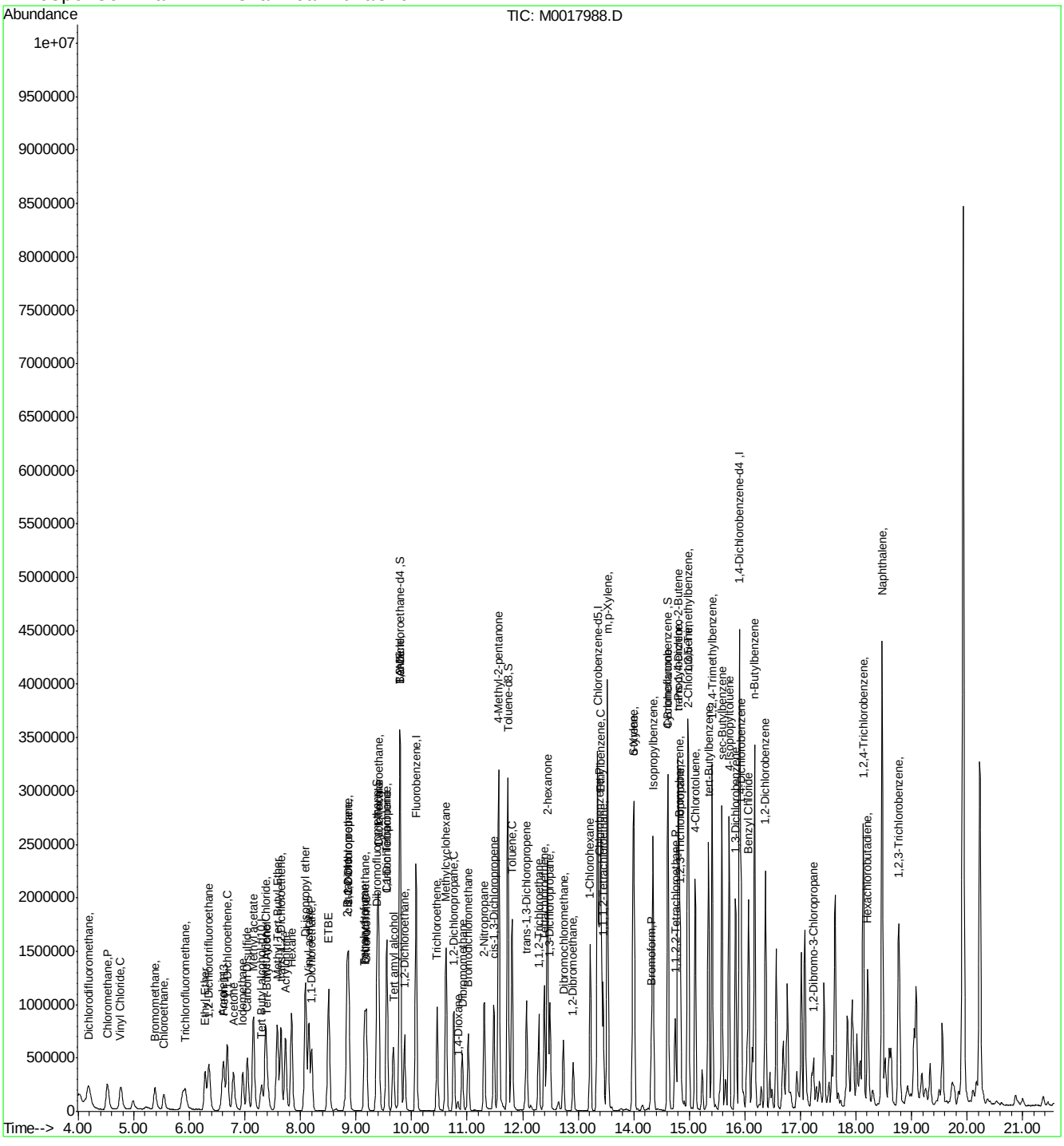
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
92) 1,2,3-Trichlorobenzene	18.77	180	594762	24.51	ug/L	99
94) Acrolein	6.60	56	31088	18.96	ug/L	99
95) Tert-Butyl Alcohol	7.40	59	538168	228.20	ug/L	98
96) Tert amyl alcohol	9.67	59	434575	246.29	ug/L	97
97) 1,4-Dioxane	10.83	88	64850	320.78	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed
M0017988.D 8260M.M Wed Feb 14 14:25:16 2007

Quantitation Report (QT Reviewed)

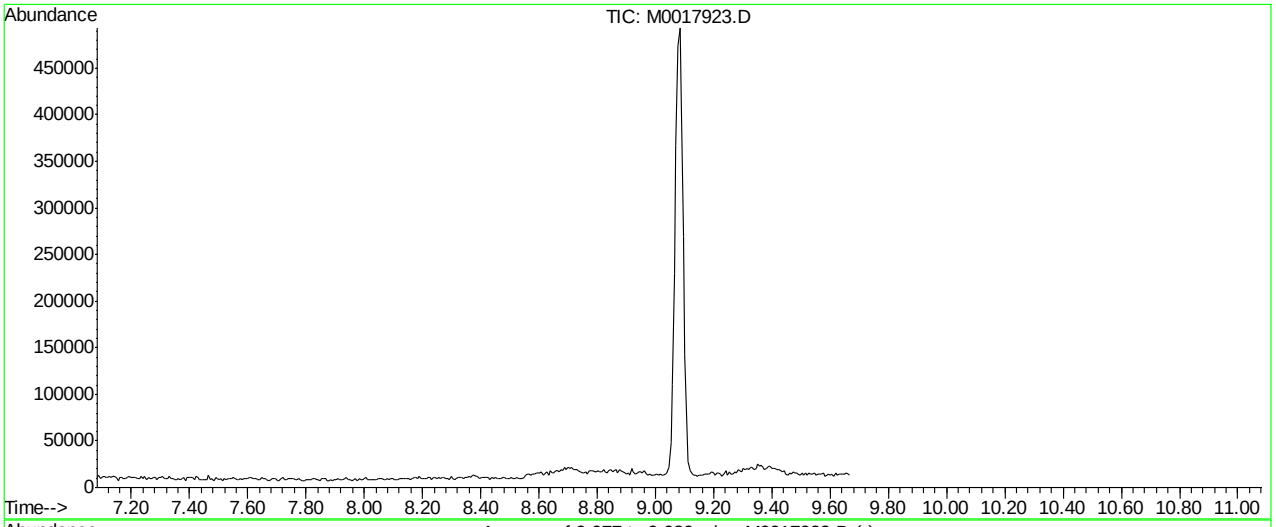
Data File : C:\MSDCHEM\1\DATA\021407\M0017988.D Vial: 10
Acq On : 14 Feb 2007 1:57 pm Operator: calvins
Sample : F47081-7msd Inst : MSVOA7
Misc : ms7459,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 14:19 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration



Methods: SW-846 8260B

Data File : C:\MSDCHEM\1\DATA\021207\M0017923.D Vial: 100
Acq On : 12 Feb 2007 12:24 pm Operator: calvins
Sample : BFB Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B



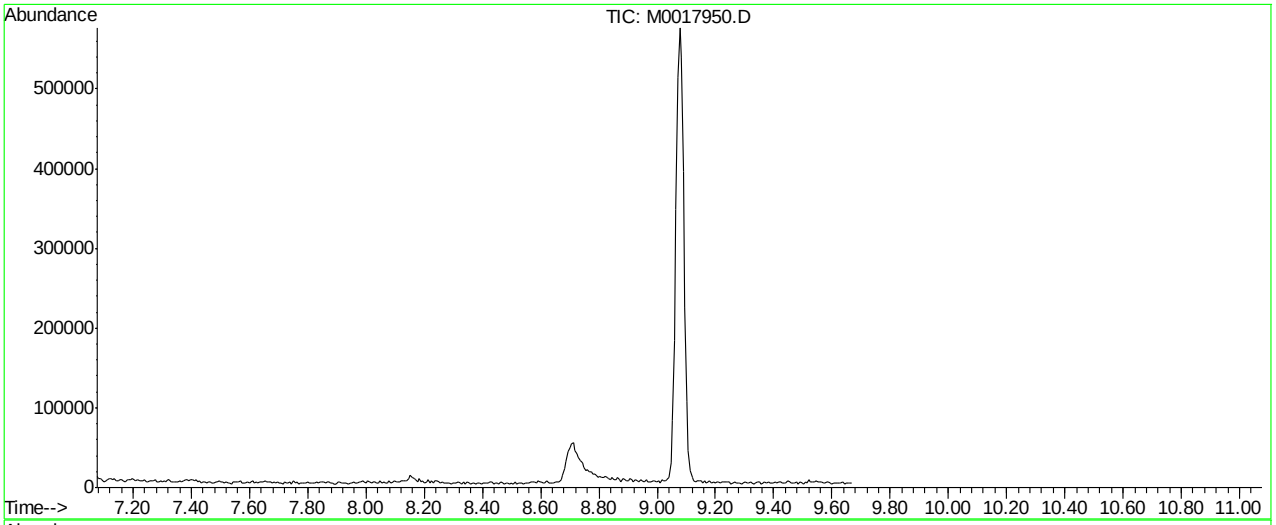
AutoFind: Scans 838, 839, 840; Background Corrected with Scan 828

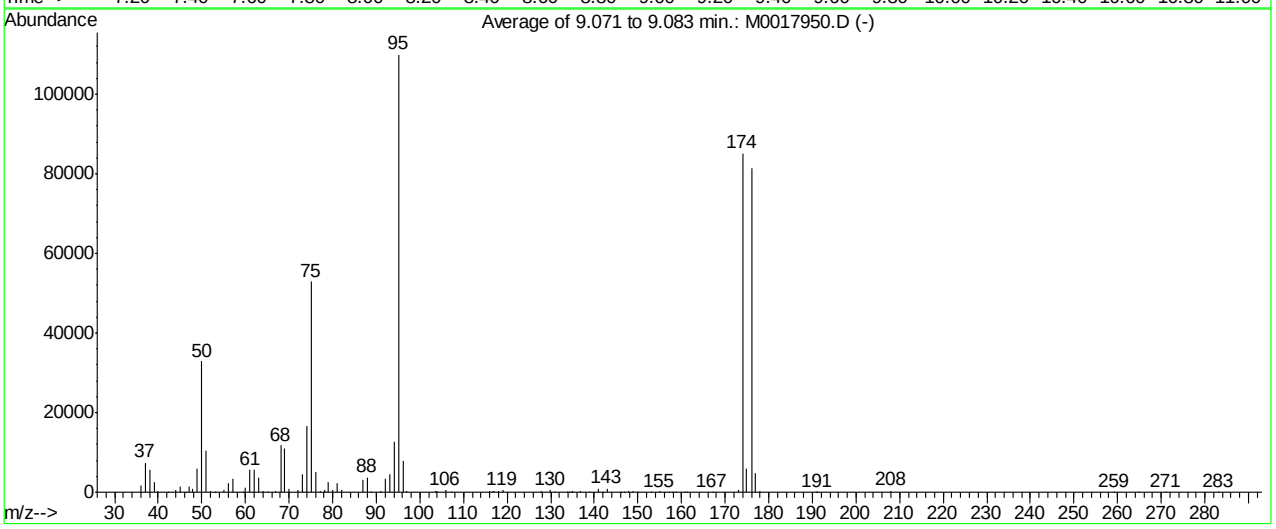
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.7	23776	PASS
75	95	30	60	47.9	44397	PASS
95	95	100	100	100.0	92602	PASS
96	95	5	9	6.5	6003	PASS
173	174	0.00	2	0.3	235	PASS
174	95	50	100	84.2	77938	PASS
175	174	5	9	7.3	5665	PASS
176	174	95	101	95.6	74472	PASS
177	176	5	9	6.4	4732	PASS

M0017923.D 8260M.M Tue Feb 13 09:24:48 2007

Methods: SW-846 8260B

Data File : C:\MSDCHEM\1\DATA\021307\M0017950.D Vial: 100
Acq On : 13 Feb 2007 9:09 am Operator: calvins
Sample : BFB Inst : MSVOA7
Misc : ms7410,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B





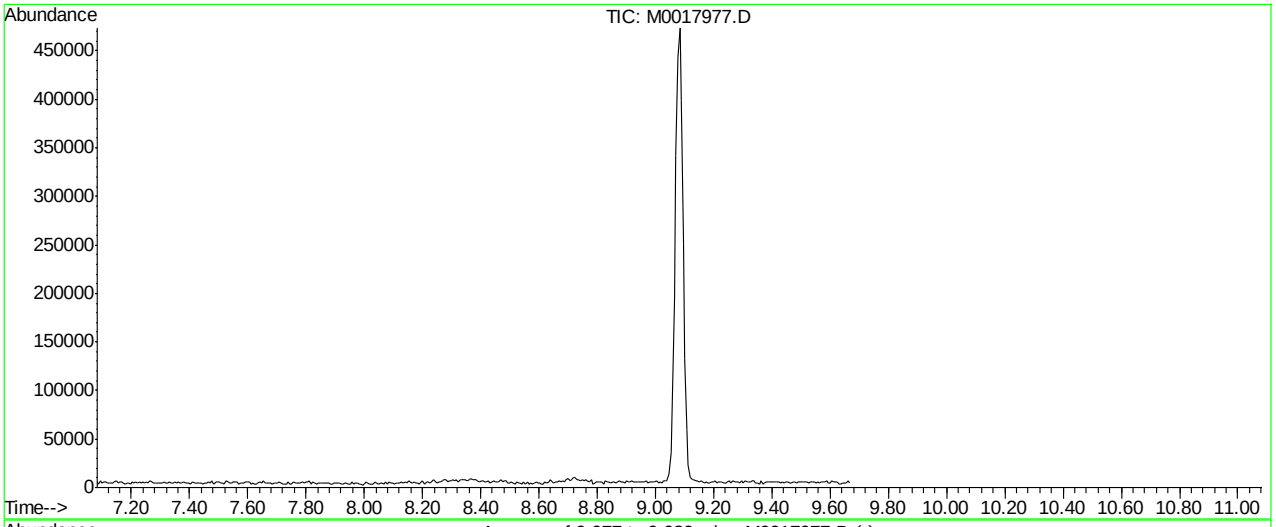
AutoFind: Scans 837, 838, 839; Background Corrected with Scan 829

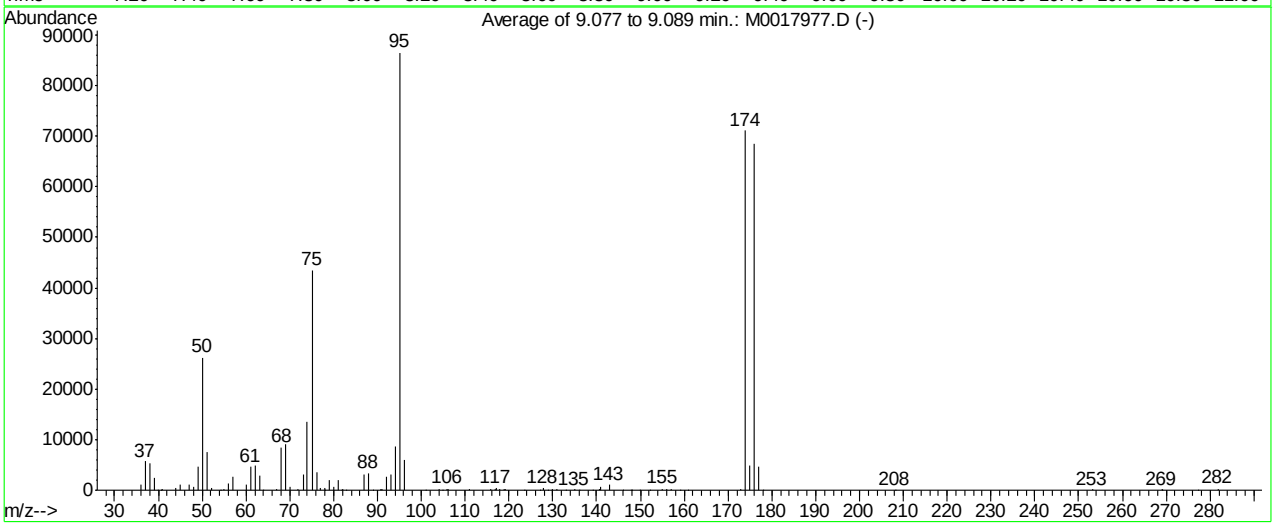
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	29.9	32848	PASS
75	95	30	60	48.1	52922	PASS
95	95	100	100	100.0	109973	PASS
96	95	5	9	7.3	8010	PASS
173	174	0.00	2	0.8	696	PASS
174	95	50	100	77.4	85088	PASS
175	174	5	9	7.0	5914	PASS
176	174	95	101	95.7	81418	PASS
177	176	5	9	6.0	4898	PASS

M0017950.D 8260M.M Tue Feb 13 14:12:49 2007

Methods: SW-846 8260B

Data File : C:\MSDCHEM\1\DATA\021407\M0017977.D Vial: 100
Acq On : 14 Feb 2007 8:50 am Operator: calvins
Sample : BFB Inst : MSVOA7
Misc : ms7410,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B





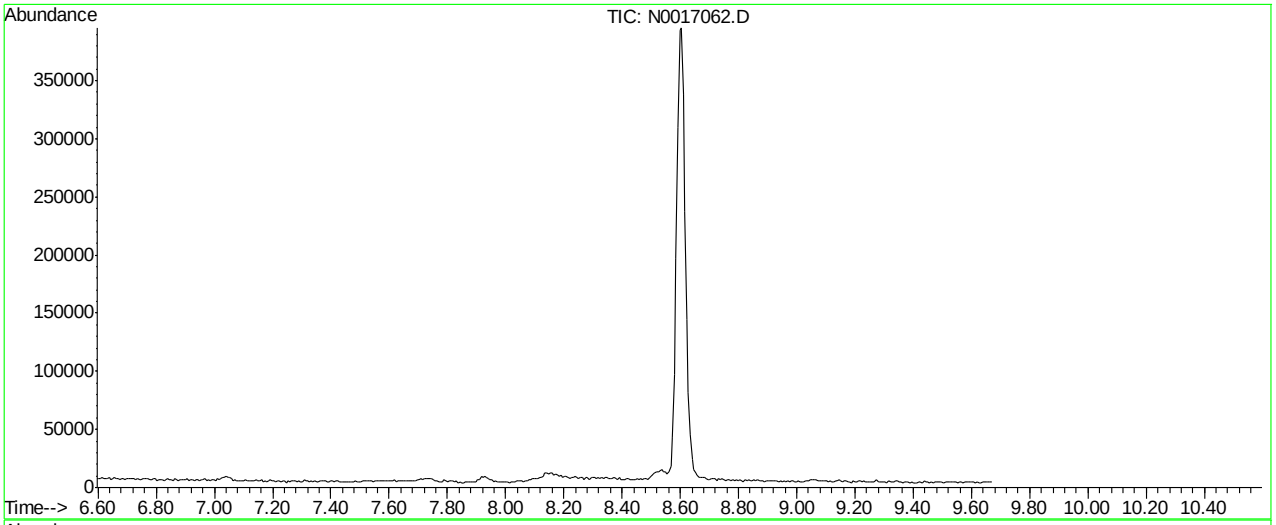
AutoFind: Scans 838, 839, 840; Background Corrected with Scan 828

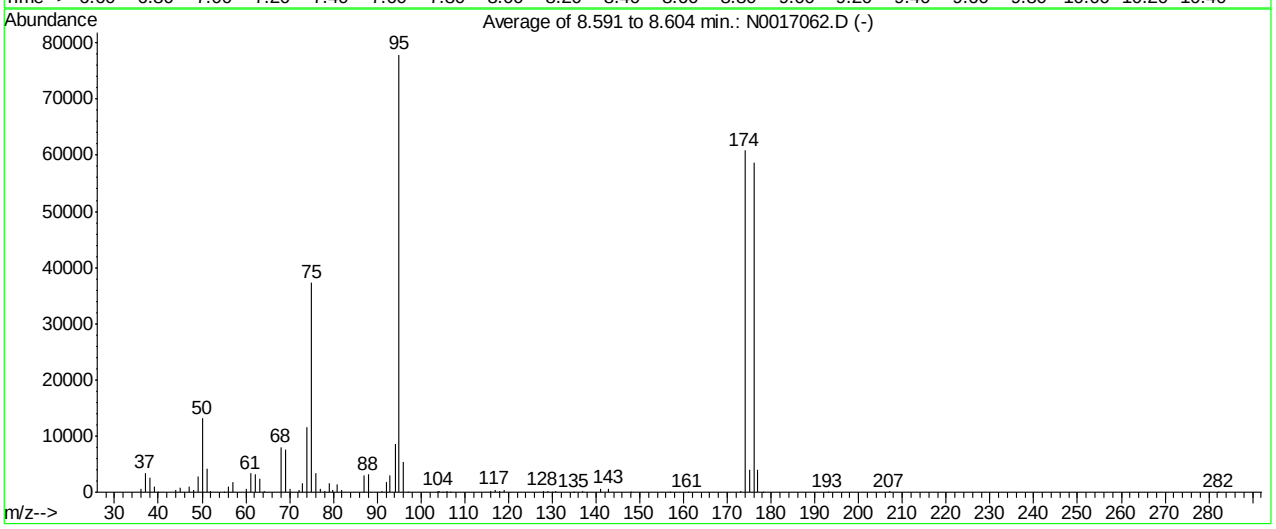
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	30.2	26165	PASS
75	95	30	60	50.3	43552	PASS
95	95	100	100	100.0	86560	PASS
96	95	5	9	6.8	5886	PASS
173	174	0.00	2	0.3	234	PASS
174	95	50	100	82.1	71077	PASS
175	174	5	9	7.0	4976	PASS
176	174	95	101	96.4	68506	PASS
177	176	5	9	6.8	4671	PASS

M0017977.D 8260M.M Wed Feb 14 14:22:38 2007

Methods: SW-846 8260B

Data File : C:\MSDCHEM\2\DATA\021207\N0017062.D Vial: 100
Acq On : 12 Feb 2007 11:05 am Operator: calvins
Sample : BFB Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624





AutoFind: Scans 413, 414, 415; Background Corrected with Scan 405

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	13092	PASS
75	95	30	60	47.8	37256	PASS
95	95	100	100	100.0	77941	PASS
96	95	5	9	6.9	5398	PASS
173	174	0.00	2	0.4	216	PASS
174	95	50	100	78.0	60794	PASS
175	174	5	9	6.7	4089	PASS
176	174	95	101	96.4	58592	PASS
177	176	5	9	6.7	3947	PASS

N0017062.D 8260N.M Tue Feb 13 09:41:08 2007

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
02/13/07 15:42

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017924.D Vial: 1
Acq On : 12 Feb 2007 12:48 pm Operator: calvins
Sample : ic744-1 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 13:28:38 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.08	96	1664732	50.00	ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1467166	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	863641	50.00	ug/L	0.00
93) Tert Butyl alcohol-d10	7.29	65	268982	250.00	ug/L	0.00

System Monitoring Compounds

31) Dibromofluoromethane	9.37	113	495126	61.22	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 122.44%#			
36) 1,2-Dichloroethane-d4	9.79	65	755229	59.76	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 119.52%			
50) Toluene-d8	11.73	98	1657919	44.91	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 89.82%			
70) 4-Bromofluorobenzene	14.61	95	841245	44.57	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 89.14%			

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.19	85	6321	0.53	ug/L	45
3) Chloromethane	4.51	50	10428	0.77	ug/L	96
4) Vinyl Chloride	4.75	62	8294	0.76	ug/L	72
5) Bromomethane	5.38	94	7765	1.51	ug/L	89
6) Chloroethane	5.54	64	3752	0.78	ug/L	76
7) Trichlorofluoromethane	5.93	101	10062	0.75	ug/L	96
8) Ethyl Ether	6.29	59	9962	0.80	ug/L #	64
9) 1,2-Dichlorotrifluoroethan	6.35	67	8496	0.66	ug/L	88
10) Freon 113	6.59	101	7902	0.87	ug/L	87
11) 1,1-Dichloroethene	6.68	61	14676	0.75	ug/L	92
12) Acetone	6.79	43	43916	5.98	ug/L	80
13) Iodomethane	6.96	142	16360	1.17	ug/L	91
14) Carbon Disulfide	7.05	76	22814	0.64	ug/L	84
15) Methyl acetate	7.15	43	58995	4.14	ug/L	95
16) Methylene Chloride	7.37	49	28293	1.02	ug/L	91
17) Methyl Tert Butyl Ether	7.58	73	32457	0.97	ug/L	96
18) trans-1,2-Dichloroethene	7.65	61	14603	0.76	ug/L	87
19) Acrylonitrile	7.73	53	22510	3.92	ug/L	94
20) Hexane	7.84	57	12389	0.63	ug/L	89
21) Di-isopropyl ether	8.09	45	43966	0.74	ug/L	99
22) Vinyl acetate	8.15	43	92469	8.81	ug/L	94
23) 1,1-Dichloroethane	8.21	63	17869	0.78	ug/L	97
24) ETBE	8.51	59	36017	0.91	ug/L	89
25) 2-Butanone	8.84	43	46102	4.72	ug/L	95
26) 2,2-Dichloropropane	8.85	77	12901	0.89	ug/L	92
27) cis-1,2-Dichloroethene	8.86	96	10721	0.98	ug/L	84
28) Bromochloromethane	9.16	128	5352	1.24	ug/L #	33
29) Tetrahydrofuran	9.15	42	4896	0.71	ug/L	84
30) Chloroform	9.18	83	17836	0.99	ug/L	86
32) 1,1,1-Trichloroethane	9.39	97	14020	1.04	ug/L	85
33) Cyclohexane	9.40	56	15629	0.64	ug/L	93
34) Carbon Tetrachloride	9.55	117	9933	0.94	ug/L	95
35) 1,1-Dichloropropene	9.55	75	11324	0.82	ug/L	91
37) TAME	9.79	73	30125	0.92	ug/L	89

(#) = qualifier out of range (m) = manual integration
M0017924.D 8260M.M Tue Feb 13 09:25:04 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017924.D Vial: 1
Acq On : 12 Feb 2007 12:48 pm Operator: calvins
Sample : ic744-1 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 13:28:38 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
38)	Benzene	9.79	78	30806	0.75 ug/L	#	1
39)	1,2-Dichloroethane	9.87	62	20486	1.15 ug/L		85
40)	Trichloroethene	10.46	95	12755	1.35 ug/L		90
41)	Methylcyclohexane	10.62	83	10950	0.65 ug/L		90
42)	1,2-Dichloropropane	10.76	63	9327	0.70 ug/L	#	71
43)	Dibromomethane	10.91	93	6646	1.03 ug/L		82
44)	Bromodichloromethane	11.02	83	12467	0.86 ug/L		88
45)	2-Chloroethyl vinyl ether	11.25	63	30472	3.78 ug/L		93
46)	2-Nitropropane	11.30	41	9709	2.14 ug/L	#	70
47)	cis-1,3-Dichloropropene	11.47	75	14121	0.79 ug/L		98
48)	4-Methyl-2-pentanone	11.57	43	74953	4.11 ug/L		95
51)	Toluene	11.81	91	37451	0.79 ug/L		88
52)	trans-1,3-Dichloropropene	12.06	75	14346	0.77 ug/L		94
53)	1,1,2-Trichloroethane	12.29	83	7114	0.70 ug/L	#	74
54)	Tetrachloroethene	12.39	166	8557	0.91 ug/L		92
55)	2-hexanone	12.45	43	50582	3.22 ug/L		98
56)	1,3-Dichloropropane	12.49	76	15399	0.73 ug/L		96
57)	Dibromochloromethane	12.73	129	8791	0.89 ug/L		78
58)	1,2-Dibromoethane	12.92	107	10258	0.86 ug/L		95
59)	1-Chlorohexane	13.21	91	9814	0.66 ug/L		93
60)	Chlorobenzene	13.38	112	25355	0.84 ug/L		87
61)	Ethylbenzene	13.41	91	44586	0.80 ug/L		96
62)	1,1,1,2-Tetrachloroethane	13.45	131	8940	0.87 ug/L		87
63)	m,p-Xylene	13.52	91	67549	1.58 ug/L		96
64)	o-Xylene	13.99	91	41558	0.90 ug/L		92
65)	Styrene	14.00	104	30298	0.81 ug/L		97
66)	Bromoform	14.31	173	6500	0.85 ug/L		94
68)	Isopropylbenzene	14.35	105	40020	0.74 ug/L		82
69)	Cyclohexanone	14.61	55	5344	6.87 ug/L	#	1
71)	1,1,2,2-Tetrachloroethane	14.75	83	14307	0.72 ug/L		96
72)	trans-1,4-Dichloro-2-Buten	14.81	53	5724	0.70 ug/L		86
73)	n-Propylbenzene	14.80	91	51390	0.69 ug/L		99
74)	Bromobenzene	14.83	156	14568	1.06 ug/L		78
75)	1,2,3-Trichloropropane	14.84	110	4860	0.97 ug/L	#	78
76)	1,3,5-Trimethylbenzene	14.97	105	39185	0.76 ug/L		87
77)	2-Chlorotoluene	14.99	91	41232	0.80 ug/L		98
78)	4-Chlorotoluene	15.11	91	36056	0.73 ug/L		95
79)	tert-Butylbenzene	15.35	91	23182	0.75 ug/L		86
80)	1,2,4-Trimethylbenzene	15.42	105	44381	0.80 ug/L		98
81)	sec-Butylbenzene	15.59	105	44904	0.66 ug/L		96
82)	4-Isopropyltoluene	15.71	119	39856	0.83 ug/L		92
83)	1,3-Dichlorobenzene	15.84	146	24105	0.90 ug/L		88
84)	1,4-Dichlorobenzene	15.93	146	23666	0.87 ug/L		91
85)	Benzyl Chloride	16.06	91	25134	0.65 ug/L		90
86)	n-Butylbenzene	16.18	91	36425	0.65 ug/L		96
87)	1,2-Dichlorobenzene	16.37	146	24884	0.96 ug/L		92
88)	1,2-Dibromo-3-Chloropropan	17.24	75	3105	0.74 ug/L	#	77
89)	1,2,4-Trichlorobenzene	18.14	180	17706	0.94 ug/L		83
90)	Hexachlorobutadiene	18.21	225	6977	0.93 ug/L		84

(#) = qualifier out of range (m) = manual integration
M0017924.D 8260M.M Tue Feb 13 09:25:04 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017924.D Vial: 1
Acq On : 12 Feb 2007 12:48 pm Operator: calvins
Sample : ic744-1 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 13:28:38 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

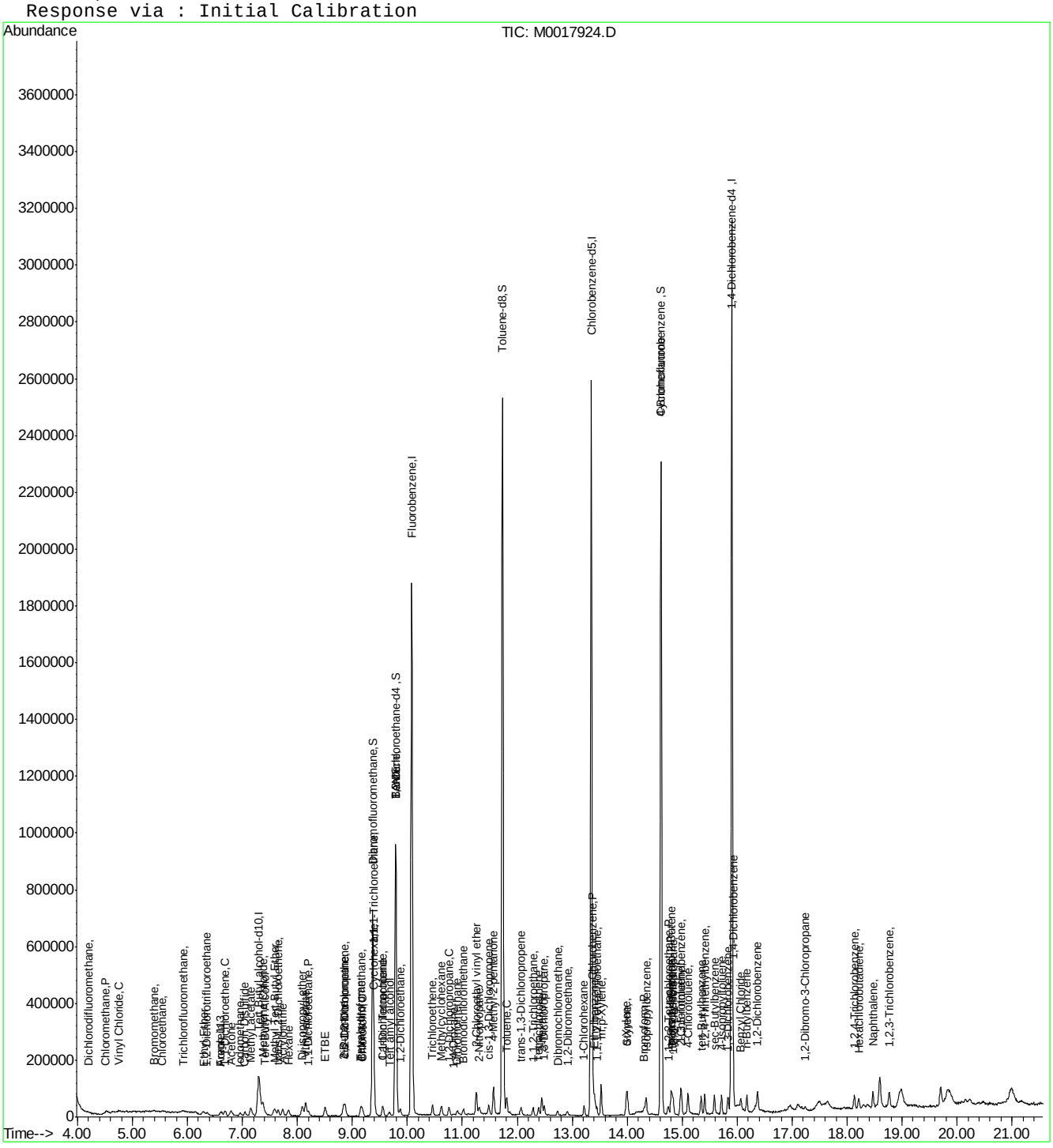
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
91) Naphthalene	18.47	128	49670	1.00	ug/L		92
92) 1,2,3-Trichlorobenzene	18.76	180	16595	0.92	ug/L		94
94) Acrolein	6.59	56	5880m	5.87	ug/L		
95) Tert-Butyl Alcohol	7.41	59	14004	9.54	ug/L	#	95
96) Tert amyl alcohol	9.67	59	9562	7.97	ug/L		95
97) 1,4-Dioxane	10.84	88	2751	22.23	ug/L	#	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed
M0017924.D 8260M.M Tue Feb 13 09:25:04 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017924.D Vial: 1
Acq On : 12 Feb 2007 12:48 pm Operator: calvins
Sample : ic744-1 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 13:41 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration

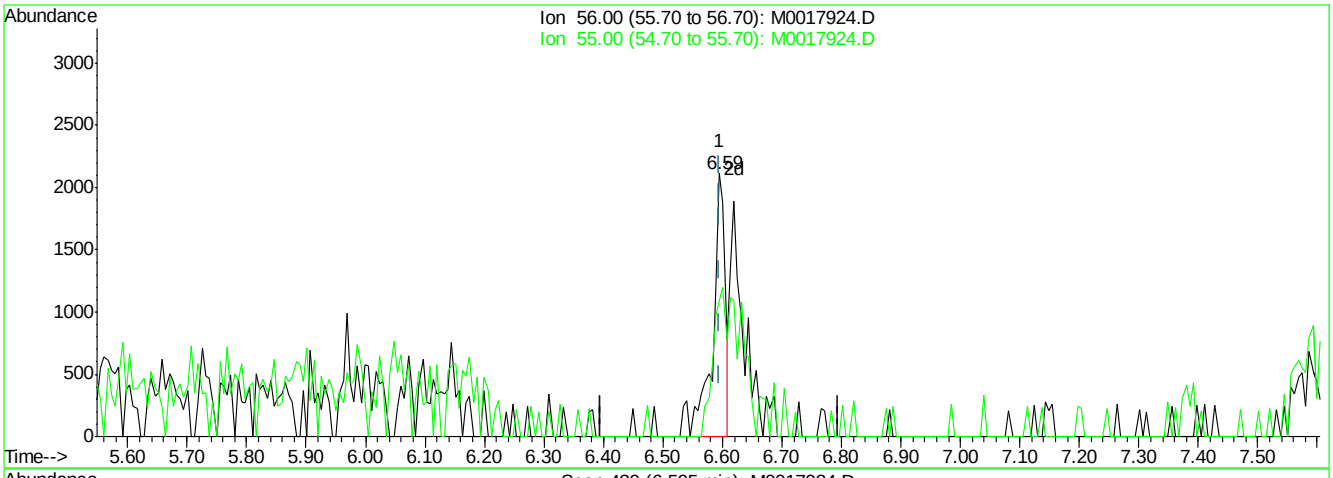


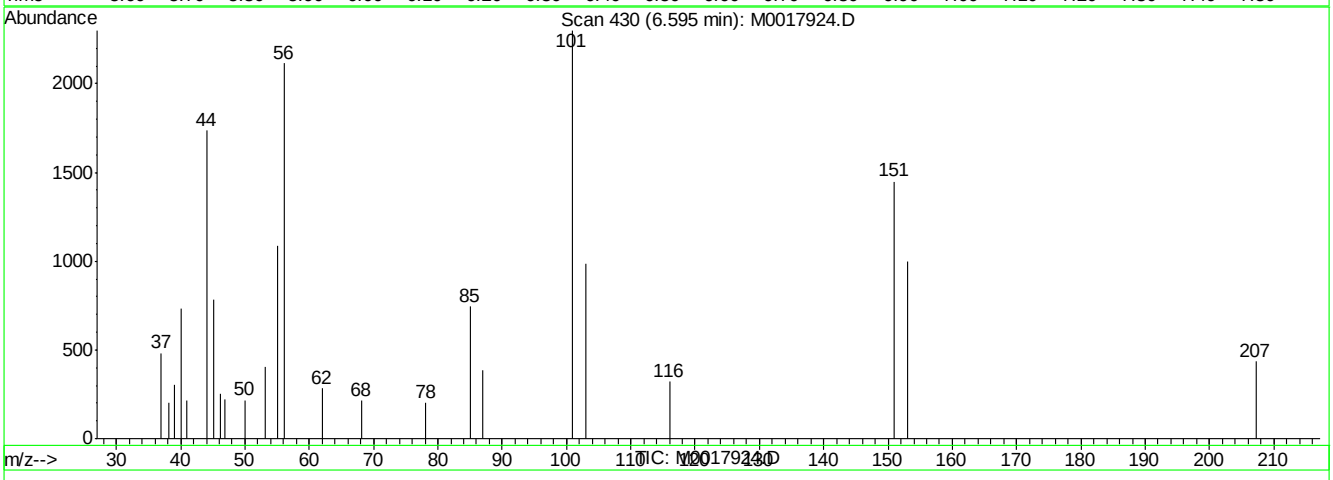
ACCUTEST Laboratories F47081

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021207\M0017924.D Vial: 1
Acq On : 12 Feb 2007 12:48 pm Operator: calvins
Sample : ic744-1 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 13:28 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Multiple Level Calibration





(94) Acrolein

6.59min (+0.000) 2.97ug/L

response 2979

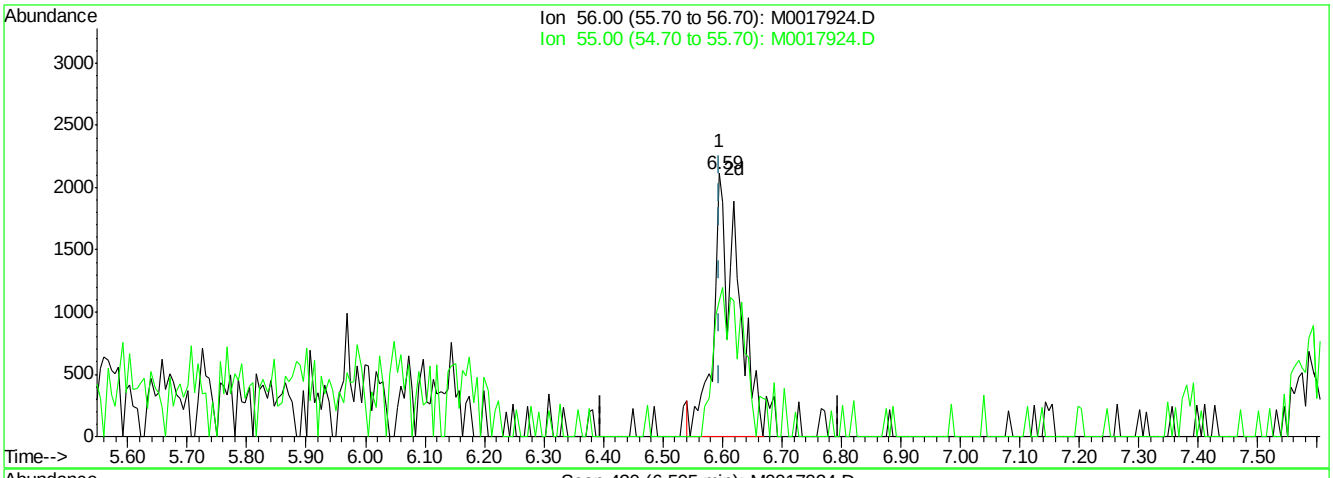
Ion	Exp%	Act%
56.00	100	100
55.00	75.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

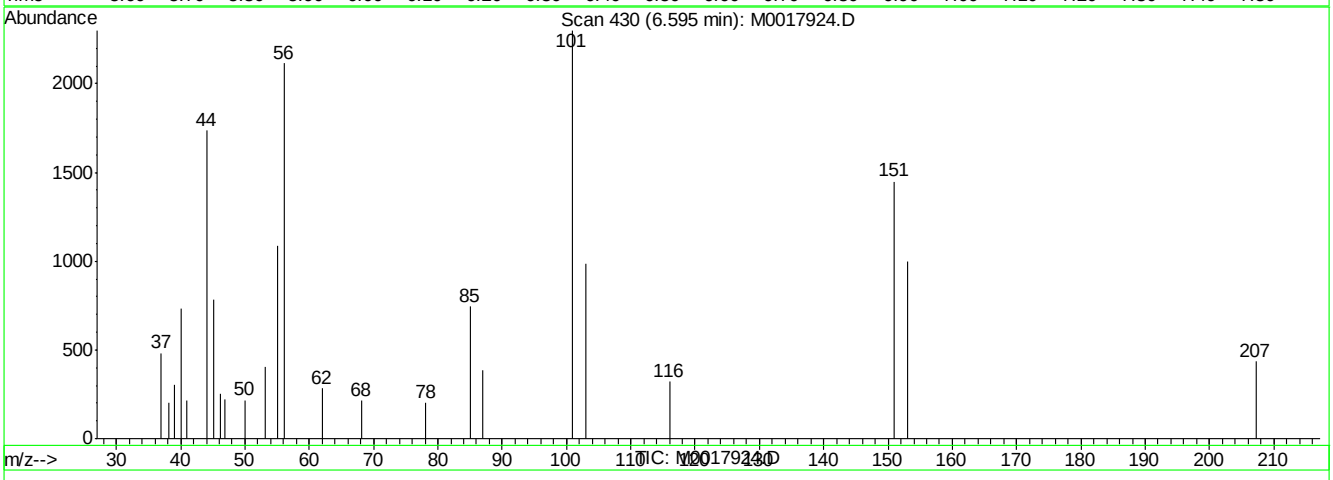
M0017924.D 8260M.M Mon Feb 12 13:41:03 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021207\M0017924.D Vial: 1
Acq On : 12 Feb 2007 12:48 pm Operator: calvins
Sample : ic744-1 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 13:41 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Multiple Level Calibration





(94) Acrolein

6.59min (+0.000) 5.87ug/L m

response 5880

Ion	Exp%	Act%
56.00	100	100
55.00	75.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

M0017924.D 8260M.M Mon Feb 12 13:41:20 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017925.D Vial: 2
Acq On : 12 Feb 2007 1:16 pm Operator: calvins
Sample : ic744-2 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 13:39:57 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.08	96	1542470	50.00	ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1445793	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	837894	50.00	ug/L	0.00
93) Tert Butyl alcohol-d10	7.29	65	280418	250.00	ug/L	0.00

System Monitoring Compounds

31) Dibromofluoromethane	9.38	113	456035	60.86	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 121.72%#			
36) 1,2-Dichloroethane-d4	9.79	65	713990	60.98	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 121.96%			
50) Toluene-d8	11.74	98	1598674	43.94	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 87.88%			
70) 4-Bromofluorobenzene	14.61	95	820648	44.82	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 89.64%			

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.20	85	44241	4.04	ug/L	95
3) Chloromethane	4.52	50	55724	4.42	ug/L	88
4) Vinyl Chloride	4.75	62	43224	4.29	ug/L	97
5) Bromomethane	5.38	94	26316	5.54	ug/L	85
6) Chloroethane	5.54	64	22201	4.97	ug/L	94
7) Trichlorofluoromethane	5.93	101	58507	4.73	ug/L	93
8) Ethyl Ether	6.28	59	46546	4.05	ug/L	96
9) 1,2-Dichlorotrifluoroethan	6.35	67	47857	3.99	ug/L	85
10) Freon 113	6.61	101	40427	4.79	ug/L	86
11) 1,1-Dichloroethene	6.69	61	83067	4.58	ug/L	92
12) Acetone	6.80	43	158211	23.24	ug/L	89
13) Iodomethane	6.97	142	79974	6.18	ug/L	92
14) Carbon Disulfide	7.05	76	116599	3.54	ug/L	91
15) Methyl acetate	7.15	43	273579	20.73	ug/L	98
16) Methylene Chloride	7.38	49	107472	4.17	ug/L	96
17) Methyl Tert Butyl Ether	7.59	73	164829	5.29	ug/L	91
18) trans-1,2-Dichloroethene	7.65	61	81551	4.58	ug/L	98
19) Acrylonitrile	7.73	53	112508	21.17	ug/L	97
20) Hexane	7.84	57	58663	3.23	ug/L	92
21) Di-isopropyl ether	8.09	45	232886	4.21	ug/L	97
22) Vinyl acetate	8.15	43	482285	49.60	ug/L	95
23) 1,1-Dichloroethane	8.20	63	88906	4.21	ug/L	95
24) ETBE	8.51	59	181508	4.94	ug/L	94
25) 2-Butanone	8.84	43	204089	22.56	ug/L	98
26) 2,2-Dichloropropane	8.85	77	71714	5.35	ug/L	93
27) cis-1,2-Dichloroethene	8.87	96	51766	5.10	ug/L #	84
28) Bromochloromethane	9.15	128	26341	6.61	ug/L #	61
29) Tetrahydrofuran	9.16	42	22480	3.56	ug/L	91
30) Chloroform	9.18	83	87755	5.26	ug/L	98
32) 1,1,1-Trichloroethane	9.40	97	79209	6.35	ug/L	90
33) Cyclohexane	9.41	56	83781	3.68	ug/L	93
34) Carbon Tetrachloride	9.55	117	62134	6.33	ug/L	96
35) 1,1-Dichloropropene	9.56	75	59022	4.59	ug/L	98
37) TAME	9.78	73	148495	4.87	ug/L	97

(#) = qualifier out of range (m) = manual integration
M0017925.D 8260M.M Tue Feb 13 09:25:09 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017925.D Vial: 2
Acq On : 12 Feb 2007 1:16 pm Operator: calvins
Sample : ic744-2 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 13:39:57 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
38)	Benzene	9.79	78	156435	4.13 ug/L	#	1
39)	1,2-Dichloroethane	9.87	62	99845	6.07 ug/L		86
40)	Trichloroethene	10.46	95	49475	5.65 ug/L		95
41)	Methylcyclohexane	10.62	83	61290	3.93 ug/L		88
42)	1,2-Dichloropropane	10.76	63	45227	3.64 ug/L		84
43)	Dibromomethane	10.91	93	33427	5.58 ug/L		81
44)	Bromodichloromethane	11.02	83	69138	5.12 ug/L		95
45)	2-Chloroethyl vinyl ether	11.26	63	168017	22.47 ug/L		93
46)	2-Nitropropane	11.30	41	58512	13.91 ug/L		81
47)	cis-1,3-Dichloropropene	11.48	75	77435	4.68 ug/L		96
48)	4-Methyl-2-pentanone	11.57	43	392958	23.26 ug/L		96
51)	Toluene	11.81	91	188972	4.04 ug/L		98
52)	trans-1,3-Dichloropropene	12.07	75	75437	4.12 ug/L		94
53)	1,1,2-Trichloroethane	12.29	83	37522	3.72 ug/L		79
54)	Tetrachloroethene	12.39	166	48732	5.24 ug/L		93
55)	2-hexanone	12.45	43	294771	19.07 ug/L		97
56)	1,3-Dichloropropane	12.50	76	81469	3.92 ug/L		95
57)	Dibromochloromethane	12.73	129	50402	5.16 ug/L		94
58)	1,2-Dibromoethane	12.91	107	53020	4.53 ug/L		86
59)	1-Chlorohexane	13.22	91	56245	3.83 ug/L		89
60)	Chlorobenzene	13.38	112	132114	4.44 ug/L		91
61)	Ethylbenzene	13.41	91	237418	4.33 ug/L		98
62)	1,1,1,2-Tetrachloroethane	13.45	131	48236	4.78 ug/L		96
63)	m,p-Xylene	13.52	91	383952	9.10 ug/L		97
64)	o-Xylene	13.99	91	209557	4.61 ug/L		97
65)	Styrene	14.00	104	161032	4.36 ug/L		93
66)	Bromoform	14.32	173	37394	4.93 ug/L		94
68)	Isopropylbenzene	14.35	105	215394	4.12 ug/L		99
69)	Cyclohexanone	14.61	55	13434	17.80 ug/L	#	1
71)	1,1,2,2-Tetrachloroethane	14.75	83	67739	3.49 ug/L		91
72)	trans-1,4-Dichloro-2-Buten	14.81	53	30876	3.89 ug/L		87
73)	n-Propylbenzene	14.80	91	286919	3.96 ug/L		94
74)	Bromobenzene	14.83	156	72008	5.42 ug/L		92
75)	1,2,3-Trichloropropane	14.84	110	22465	4.60 ug/L		89
76)	1,3,5-Trimethylbenzene	14.97	105	220220	4.38 ug/L		93
77)	2-Chlorotoluene	14.99	91	213346	4.26 ug/L		96
78)	4-Chlorotoluene	15.11	91	195699	4.11 ug/L		91
79)	tert-Butylbenzene	15.34	91	126198	4.22 ug/L		89
80)	1,2,4-Trimethylbenzene	15.41	105	234891	4.34 ug/L		93
81)	sec-Butylbenzene	15.59	105	263126	4.01 ug/L		93
82)	4-Isopropyltoluene	15.71	119	223531	4.79 ug/L		99
83)	1,3-Dichlorobenzene	15.83	146	126586	4.89 ug/L		94
84)	1,4-Dichlorobenzene	15.93	146	127068	4.79 ug/L		94
85)	Benzyl Chloride	16.07	91	134999	3.58 ug/L		96
86)	n-Butylbenzene	16.18	91	206480	3.78 ug/L		97
87)	1,2-Dichlorobenzene	16.37	146	126246	5.04 ug/L		92
88)	1,2-Dibromo-3-Chloropropan	17.23	75	15943	3.93 ug/L		90
89)	1,2,4-Trichlorobenzene	18.13	180	88750	4.87 ug/L		91
90)	Hexachlorobutadiene	18.21	225	36712	5.06 ug/L		94

(#) = qualifier out of range (m) = manual integration
M0017925.D 8260M.M Tue Feb 13 09:25:09 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017925.D Vial: 2
Acq On : 12 Feb 2007 1:16 pm Operator: calvins
Sample : ic744-2 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 13:39:57 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

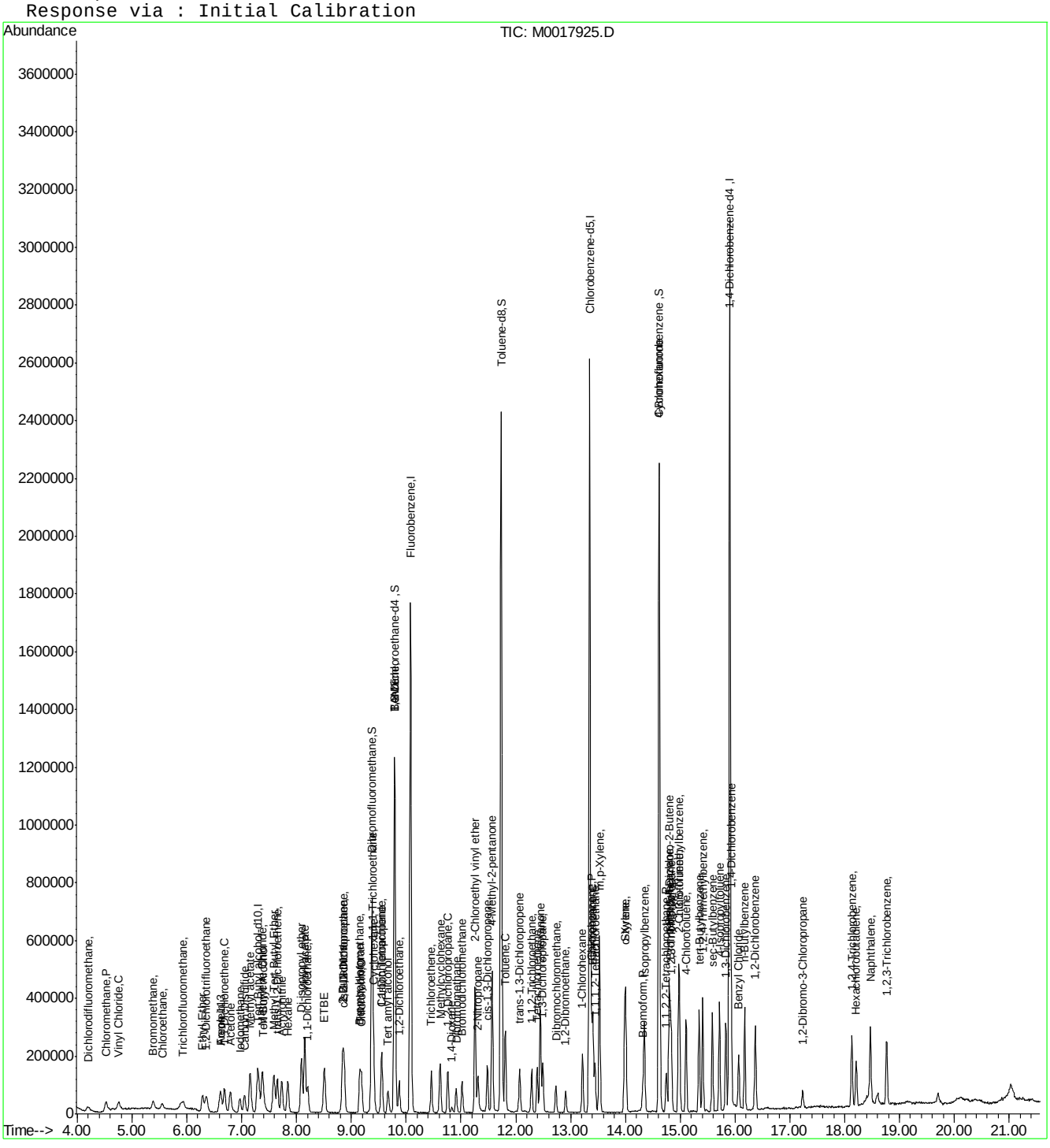
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	18.47	128	230475	4.80	ug/L	97
92)	1,2,3-Trichlorobenzene	18.77	180	84976	4.86	ug/L	93
94)	Acrolein	6.61	56	24514	23.47	ug/L	97
95)	Tert-Butyl Alcohol	7.40	59	74870	48.94	ug/L	97
96)	Tert amyl alcohol	9.67	59	54348	43.47	ug/L	96
97)	1,4-Dioxane	10.83	88	11776	91.30	ug/L	89

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017925.D Vial: 2
Acq On : 12 Feb 2007 1:16 pm Operator: calvins
Sample : ic744-2 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 13:39 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration



ACCUTEST Laboratories F47081

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017926.D Vial: 3
Acq On : 12 Feb 2007 1:45 pm Operator: calvins
Sample : ic744-3 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 14:06:47 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	10.08	96	1572410	50.00 ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1477404	50.00 ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	852163	50.00 ug/L	0.00
93) Tert Butyl alcohol-d10	7.30	65	277100	250.00 ug/L	0.00

System Monitoring Compounds

31) Dibromofluoromethane	9.38	113	460640	60.30 ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 120.60%#		
36) 1,2-Dichloroethane-d4	9.79	65	712215	59.67 ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 119.34%		
50) Toluene-d8	11.74	98	1602579	43.11 ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 86.22%		
70) 4-Bromofluorobenzene	14.61	95	852556	45.78 ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 91.56%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	4.20	85	221589	19.84 ug/L	99
3) Chloromethane	4.53	50	236084	18.36 ug/L	97
4) Vinyl Chloride	4.75	62	204524	19.90 ug/L	95
5) Bromomethane	5.38	94	124410	25.68 ug/L	88
6) Chloroethane	5.54	64	101153	22.20 ug/L	89
7) Trichlorofluoromethane	5.93	101	288523	22.87 ug/L	96
8) Ethyl Ether	6.28	59	190761	16.27 ug/L	98
9) 1,2-Dichlorotrifluoroethan	6.35	67	227541	18.62 ug/L #	83
10) Freon 113	6.61	101	202022	23.49 ug/L	92
11) 1,1-Dichloroethene	6.69	61	406362	21.98 ug/L	96
12) Acetone	6.80	43	703625	101.39 ug/L	89
13) Iodomethane	6.97	142	370729	28.12 ug/L	92
14) Carbon Disulfide	7.05	76	592807	17.67 ug/L	91
15) Methyl acetate	7.15	43	1082055	80.44 ug/L	97
16) Methylene Chloride	7.37	49	426102	16.22 ug/L	94
17) Methyl Tert Butyl Ether	7.58	73	692395	21.80 ug/L	94
18) trans-1,2-Dichloroethene	7.65	61	371152	20.45 ug/L	94
19) Acrylonitrile	7.73	53	444489	82.04 ug/L	96
20) Hexane	7.84	57	297586	16.06 ug/L	92
21) Di-isopropyl ether	8.09	45	993594	17.61 ug/L	94
22) Vinyl acetate	8.15	43	2117505	213.64 ug/L	98
23) 1,1-Dichloroethane	8.20	63	412127	19.16 ug/L	98
24) ETBE	8.51	59	786844	21.00 ug/L	95
25) 2-Butanone	8.84	43	871433	94.51 ug/L	94
26) 2,2-Dichloropropane	8.85	77	336038	24.58 ug/L	96
27) cis-1,2-Dichloroethene	8.87	96	224818	21.75 ug/L	87
28) Bromochloromethane	9.16	128	115125	28.34 ug/L #	63
29) Tetrahydrofuran	9.15	42	92250	14.81 ug/L	90
30) Chloroform	9.19	83	396881	23.33 ug/L	97
32) 1,1,1-Trichloroethane	9.40	97	383374	30.17 ug/L	90
33) Cyclohexane	9.41	56	414127	17.82 ug/L	94
34) Carbon Tetrachloride	9.55	117	321917	32.18 ug/L	96
35) 1,1-Dichloropropene	9.56	75	282296	21.52 ug/L	96
37) TAME	9.79	73	625736	20.14 ug/L	99

(#) = qualifier out of range (m) = manual integration
M0017926.D 8260M.M Tue Feb 13 09:25:16 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017926.D Vial: 3
Acq On : 12 Feb 2007 1:45 pm Operator: calvins
Sample : ic744-3 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 14:06:47 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
38)	Benzene	9.79	78	700935	18.15 ug/L		71
39)	1,2-Dichloroethane	9.87	62	436110	25.99 ug/L		88
40)	Trichloroethene	10.46	95	216676	24.26 ug/L		86
41)	Methylcyclohexane	10.62	83	309944	19.51 ug/L		96
42)	1,2-Dichloropropane	10.76	63	203750	16.10 ug/L		82
43)	Dibromomethane	10.91	93	138831	22.75 ug/L		80
44)	Bromodichloromethane	11.02	83	313644	22.81 ug/L		96
45)	2-Chloroethyl vinyl ether	11.25	63	695614	91.25 ug/L		88
46)	2-Nitropropane	11.31	41	322299	75.18 ug/L		89
47)	cis-1,3-Dichloropropene	11.48	75	340586	20.19 ug/L		95
48)	4-Methyl-2-pentanone	11.57	43	1612768	93.63 ug/L		97
51)	Toluene	11.81	91	856715	17.93 ug/L		99
52)	trans-1,3-Dichloropropene	12.07	75	335177	17.93 ug/L		97
53)	1,1,2-Trichloroethane	12.29	83	153695	14.92 ug/L		79
54)	Tetrachloroethene	12.39	166	232931	24.53 ug/L		96
55)	2-hexanone	12.45	43	1231710	77.97 ug/L		96
56)	1,3-Dichloropropane	12.49	76	337193	15.90 ug/L		96
57)	Dibromochloromethane	12.73	129	242887	24.34 ug/L		99
58)	1,2-Dibromoethane	12.91	107	229755	19.22 ug/L		94
59)	1-Chlorohexane	13.22	91	276105	18.42 ug/L		88
60)	Chlorobenzene	13.38	112	595148	19.57 ug/L		95
61)	Ethylbenzene	13.41	91	1076698	19.21 ug/L		99
62)	1,1,1,2-Tetrachloroethane	13.45	131	236062	22.91 ug/L		92
63)	m,p-Xylene	13.52	91	1726416	40.05 ug/L		99
64)	o-Xylene	13.99	91	926214	19.96 ug/L		98
65)	Styrene	14.00	104	739314	19.57 ug/L		96
66)	Bromoform	14.31	173	175341	22.64 ug/L		96
68)	Isopropylbenzene	14.35	105	1034930	19.48 ug/L		92
69)	Cyclohexanone	14.61	55	52325	68.17 ug/L	#	36
71)	1,1,2,2-Tetrachloroethane	14.75	83	278195	14.10 ug/L		87
72)	trans-1,4-Dichloro-2-Buten	14.81	53	138160	17.12 ug/L		86
73)	n-Propylbenzene	14.80	91	1339603	18.20 ug/L		92
74)	Bromobenzene	14.83	156	311081	23.01 ug/L		97
75)	1,2,3-Trichloropropane	14.84	110	99852	20.12 ug/L		87
76)	1,3,5-Trimethylbenzene	14.97	105	1003800	19.63 ug/L		94
77)	2-Chlorotoluene	14.98	91	965214	18.95 ug/L		98
78)	4-Chlorotoluene	15.11	91	909130	18.78 ug/L		93
79)	tert-Butylbenzene	15.34	91	608739	20.03 ug/L		91
80)	1,2,4-Trimethylbenzene	15.41	105	1064954	19.34 ug/L		94
81)	sec-Butylbenzene	15.59	105	1282133	19.20 ug/L		89
82)	4-Isopropyltoluene	15.71	119	1058565	22.31 ug/L		99
83)	1,3-Dichlorobenzene	15.83	146	564119	21.43 ug/L		94
84)	1,4-Dichlorobenzene	15.93	146	560904	20.79 ug/L		93
85)	Benzyl Chloride	16.07	91	623215	16.24 ug/L		96
86)	n-Butylbenzene	16.18	91	982903	17.69 ug/L		97
87)	1,2-Dichlorobenzene	16.37	146	546793	21.48 ug/L		92
88)	1,2-Dibromo-3-Chloropropan	17.23	75	66573	16.15 ug/L		81
89)	1,2,4-Trichlorobenzene	18.13	180	401785	21.66 ug/L		95
90)	Hexachlorobutadiene	18.21	225	181274	24.55 ug/L		94

(#) = qualifier out of range (m) = manual integration
M0017926.D 8260M.M Tue Feb 13 09:25:17 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017926.D Vial: 3
Acq On : 12 Feb 2007 1:45 pm Operator: calvins
Sample : ic744-3 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 14:06:47 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

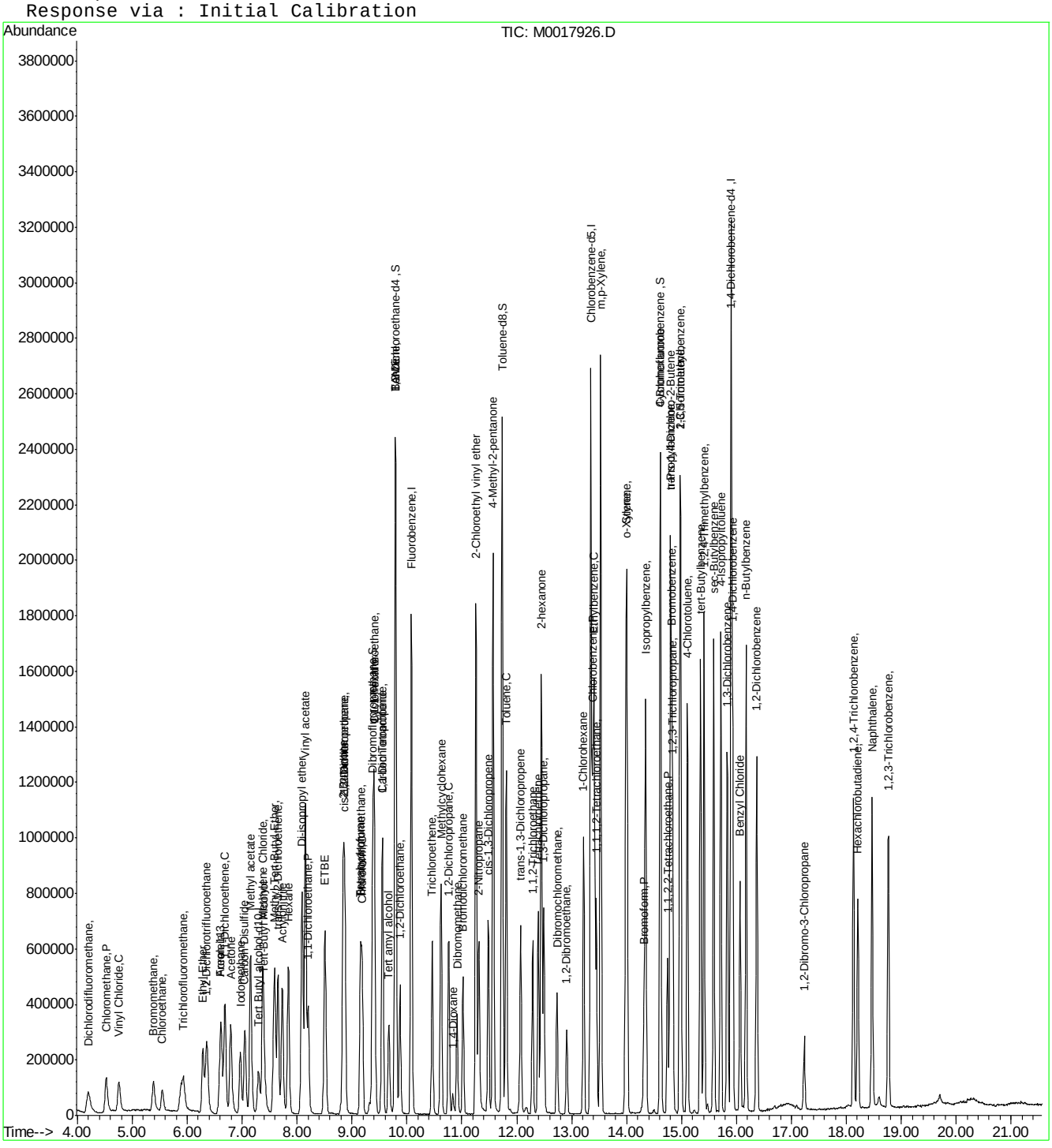
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91) Naphthalene	18.47	128	1009386	20.69	ug/L	97
92) 1,2,3-Trichlorobenzene	18.77	180	387880	21.80	ug/L	96
94) Acrolein	6.60	56	100442	97.30	ug/L	98
95) Tert-Butyl Alcohol	7.40	59	311037	205.74	ug/L	96
96) Tert amyl alcohol	9.67	59	235617	190.73	ug/L	98
97) 1,4-Dioxane	10.84	88	52148	409.14	ug/L	93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017926.D Vial: 3
Acq On : 12 Feb 2007 1:45 pm Operator: calvins
Sample : ic744-3 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 14:06 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration



ACCUTEST Laboratories F47081

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017927.D Vial: 4
Acq On : 12 Feb 2007 2:13 pm Operator: calvins
Sample : icc744-4 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 14:36:09 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.08	96	1643065	50.00	ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1511237	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	883479	50.00	ug/L	0.00
93) Tert Butyl alcohol-d10	7.30	65	284223	250.00	ug/L	0.00

System Monitoring Compounds						
31) Dibromofluoromethane	9.38	113	473113	59.27	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 118.54%#			
36) 1,2-Dichloroethane-d4	9.79	65	733873	58.84	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 117.68%			
50) Toluene-d8	11.74	98	1696763	44.62	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 89.24%			
70) 4-Bromofluorobenzene	14.61	95	878207	45.48	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 90.96%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.20	85	430131	36.86	ug/L	96
3) Chloromethane	4.53	50	471719	35.11	ug/L	95
4) Vinyl Chloride	4.76	62	419369	39.06	ug/L	97
5) Bromomethane	5.39	94	239594	47.33	ug/L	94
6) Chloroethane	5.54	64	197569	41.49	ug/L	92
7) Trichlorofluoromethane	5.93	101	582012	44.15	ug/L	95
8) Ethyl Ether	6.29	59	400770	32.70	ug/L	95
9) 1,2-Dichlorotrifluoroethan	6.36	67	454523	35.59	ug/L #	79
10) Freon 113	6.62	101	405452	45.11	ug/L	89
11) 1,1-Dichloroethene	6.69	61	828416	42.89	ug/L	97
12) Acetone	6.80	43	1603697	221.16	ug/L	92
13) Iodomethane	6.97	142	744709	54.06	ug/L	90
14) Carbon Disulfide	7.05	76	1170844	33.39	ug/L	91
15) Methyl acetate	7.15	43	2212518	157.40	ug/L	98
16) Methylene Chloride	7.37	49	849893	30.95	ug/L	98
17) Methyl Tert Butyl Ether	7.59	73	1396465	42.07	ug/L	96
18) trans-1,2-Dichloroethene	7.65	61	746478	39.37	ug/L	97
19) Acrylonitrile	7.73	53	953165	168.37	ug/L	96
20) Hexane	7.84	57	612853	31.66	ug/L	90
21) Di-isopropyl ether	8.09	45	2014420	34.17	ug/L	93
22) Vinyl acetate	8.15	43	4144895	400.21	ug/L	97
23) 1,1-Dichloroethane	8.21	63	829501	36.90	ug/L	98
24) ETBE	8.51	59	1605742	41.00	ug/L	96
25) 2-Butanone	8.84	43	1762921	182.98	ug/L	97
26) 2,2-Dichloropropane	8.85	77	651015	45.58	ug/L	99
27) cis-1,2-Dichloroethene	8.87	96	442765	40.99	ug/L	93
28) Bromochloromethane	9.16	128	227438	53.59	ug/L #	61
29) Tetrahydrofuran	9.16	42	186795	30.02	ug/L	95
30) Chloroform	9.19	83	801017	45.06	ug/L	94
32) 1,1,1-Trichloroethane	9.40	97	770895	58.06	ug/L	93
33) Cyclohexane	9.41	56	834601	34.38	ug/L	95
34) Carbon Tetrachloride	9.55	117	661248	63.26	ug/L	94
35) 1,1-Dichloropropene	9.56	75	559627	40.83	ug/L	88
37) TAME	9.79	73	1268955	39.09	ug/L	99

(#) = qualifier out of range (m) = manual integration
M0017927.D 8260M.M Tue Feb 13 09:25:24 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017927.D Vial: 4
Acq On : 12 Feb 2007 2:13 pm Operator: calvins
Sample : icc744-4 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 14:36:09 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
38)	Benzene	9.79	78	1385351	34.33 ug/L		90
39)	1,2-Dichloroethane	9.87	62	883358	50.38 ug/L		88
40)	Trichloroethene	10.46	95	454504	48.69 ug/L		89
41)	Methylcyclohexane	10.62	83	617295	37.19 ug/L		96
42)	1,2-Dichloropropane	10.76	63	421078	31.83 ug/L		84
43)	Dibromomethane	10.91	93	287736	45.12 ug/L		85
44)	Bromodichloromethane	11.02	83	660633	45.97 ug/L		97
45)	2-Chloroethyl vinyl ether	11.25	63	1405103	176.39 ug/L		90
46)	2-Nitropropane	11.31	41	753376	168.17 ug/L		92
47)	cis-1,3-Dichloropropene	11.48	75	700593	39.75 ug/L		95
48)	4-Methyl-2-pentanone	11.57	43	3282542	182.37 ug/L		96
51)	Toluene	11.81	91	1729079	35.38 ug/L		97
52)	trans-1,3-Dichloropropene	12.07	75	680215	35.57 ug/L		97
53)	1,1,2-Trichloroethane	12.29	83	323973	30.75 ug/L		81
54)	Tetrachloroethene	12.39	166	474279	48.83 ug/L		97
55)	2-hexanone	12.45	43	2615966	161.88 ug/L		96
56)	1,3-Dichloropropane	12.49	76	696590	32.11 ug/L		95
57)	Dibromochloromethane	12.73	129	508363	49.80 ug/L		99
58)	1,2-Dibromoethane	12.91	107	471256	38.55 ug/L		100
59)	1-Chlorohexane	13.21	91	549338	35.83 ug/L		97
60)	Chlorobenzene	13.38	112	1189558	38.25 ug/L		94
61)	Ethylbenzene	13.41	91	2158809	37.66 ug/L		97
62)	1,1,1,2-Tetrachloroethane	13.45	131	476304	45.19 ug/L		92
63)	m,p-Xylene	13.52	91	3414716	77.45 ug/L		97
64)	o-Xylene	13.99	91	1837558	38.71 ug/L		99
65)	Styrene	14.00	104	1448846	37.50 ug/L		97
66)	Bromoform	14.31	173	380496	48.03 ug/L		95
68)	Isopropylbenzene	14.35	105	2055817	37.32 ug/L		96
69)	Cyclohexanone	14.61	55	99000	124.40 ug/L	#	65
71)	1,1,2,2-Tetrachloroethane	14.75	83	554503	27.12 ug/L		90
72)	trans-1,4-Dichloro-2-Buten	14.81	53	274983	32.86 ug/L		87
73)	n-Propylbenzene	14.80	91	2615475	34.28 ug/L		94
74)	Bromobenzene	14.83	156	608065	43.39 ug/L		97
75)	1,2,3-Trichloropropane	14.84	110	193951	37.70 ug/L		88
76)	1,3,5-Trimethylbenzene	14.97	105	1979423	37.33 ug/L		95
77)	2-Chlorotoluene	14.98	91	1886897	35.74 ug/L		99
78)	4-Chlorotoluene	15.11	91	1781240	35.48 ug/L		93
79)	tert-Butylbenzene	15.34	91	1202900	38.17 ug/L		94
80)	1,2,4-Trimethylbenzene	15.41	105	2106703	36.91 ug/L		93
81)	sec-Butylbenzene	15.59	105	2504506	36.18 ug/L		93
82)	4-Isopropyltoluene	15.71	119	2105588	42.80 ug/L		97
83)	1,3-Dichlorobenzene	15.83	146	1115877	40.89 ug/L		94
84)	1,4-Dichlorobenzene	15.93	146	1111964	39.75 ug/L		93
85)	Benzyl Chloride	16.07	91	1286106	32.34 ug/L		96
86)	n-Butylbenzene	16.18	91	1992241	34.59 ug/L		96
87)	1,2-Dichlorobenzene	16.37	146	1096375	41.55 ug/L		92
88)	1,2-Dibromo-3-Chloropropan	17.24	75	140237	32.81 ug/L		84
89)	1,2,4-Trichlorobenzene	18.13	180	833745	43.35 ug/L		98
90)	Hexachlorobutadiene	18.21	225	379094	49.52 ug/L		95

(#) = qualifier out of range (m) = manual integration
M0017927.D 8260M.M Tue Feb 13 09:25:25 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017927.D Vial: 4
Acq On : 12 Feb 2007 2:13 pm Operator: calvins
Sample : icc744-4 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 14:36:09 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

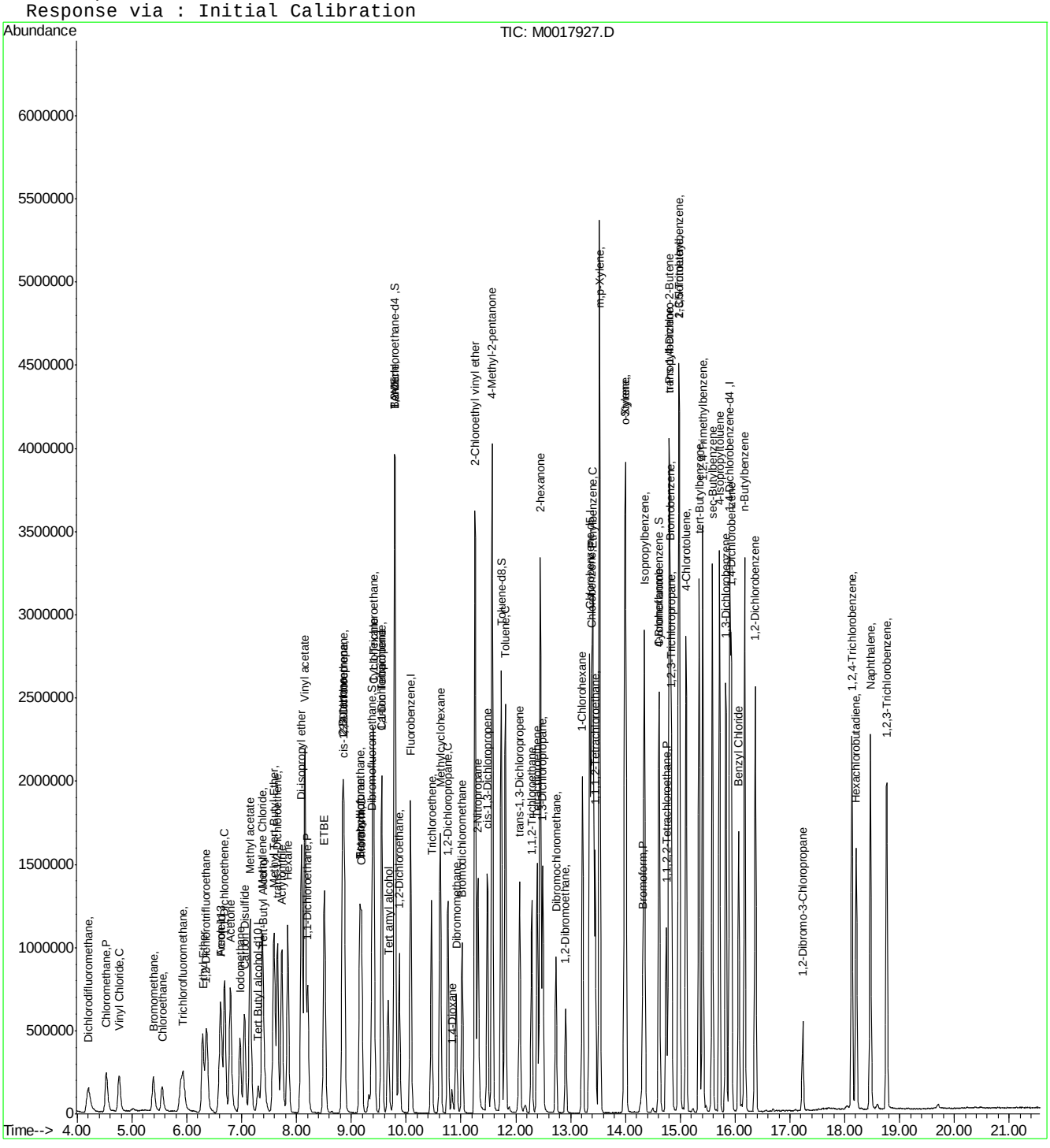
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91) Naphthalene	18.47	128	2097128	41.45	ug/L	97
92) 1,2,3-Trichlorobenzene	18.77	180	788281	42.73	ug/L	94
94) Acrolein	6.61	56	213402	201.54	ug/L	97
95) Tert-Butyl Alcohol	7.40	59	623333	401.99	ug/L	98
96) Tert amyl alcohol	9.67	59	481094	379.69	ug/L	97
97) 1,4-Dioxane	10.84	88	106827	817.13	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed
M0017927.D 8260M.M Tue Feb 13 09:25:25 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017927.D Vial: 4
Acq On : 12 Feb 2007 2:13 pm Operator: calvins
Sample : icc744-4 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 14:36 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017928.D Vial: 5
Acq On : 12 Feb 2007 2:41 pm Operator: calvins
Sample : ic744-5 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 15:03:35 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.08	96	1660324	50.00	ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1514577	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	907448	50.00	ug/L	0.00
93) Tert Butyl alcohol-d10	7.31	65	293966	250.00	ug/L	0.01

System Monitoring Compounds

31) Dibromofluoromethane	9.38	113	471924	58.51	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 117.02%#			
36) 1,2-Dichloroethane-d4	9.79	65	721837	57.27	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 114.54%			
50) Toluene-d8	11.74	98	1688690	44.31	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 88.62%			
70) 4-Bromofluorobenzene	14.61	95	894273	45.09	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 90.18%			

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	4.20	85	792133	67.17	ug/L	95
3) Chloromethane	4.53	50	858263	63.22	ug/L	96
4) Vinyl Chloride	4.76	62	757176	69.79	ug/L	98
5) Bromomethane	5.38	94	414648	81.06	ug/L	95
6) Chloroethane	5.54	64	364522	75.76	ug/L	95
7) Trichlorofluoromethane	5.93	101	996171	74.79	ug/L	100
8) Ethyl Ether	6.28	59	708935	57.25	ug/L	95
9) 1,2-Dichlorotrifluoroethan	6.35	67	804621	62.34	ug/L #	81
10) Freon 113	6.61	101	706425	77.79	ug/L	91
11) 1,1-Dichloroethene	6.68	61	1451117	74.35	ug/L	97
12) Acetone	6.80	43	3042711	415.24	ug/L	91
13) Iodomethane	6.96	142	1334796	95.90	ug/L	92
14) Carbon Disulfide	7.04	76	2103086	59.36	ug/L	92
15) Methyl acetate	7.15	43	3955292	278.46	ug/L	98
16) Methylene Chloride	7.37	49	1520875	54.82	ug/L	97
17) Methyl Tert Butyl Ether	7.59	73	2503872	74.65	ug/L	96
18) trans-1,2-Dichloroethene	7.65	61	1321488	68.97	ug/L	97
19) Acrylonitrile	7.73	53	1725499	301.63	ug/L	98
20) Hexane	7.84	57	1108930	56.68	ug/L	93
21) Di-isopropyl ether	8.09	45	3624809	60.84	ug/L	93
22) Vinyl acetate	8.15	43	7729143	738.53	ug/L	98
23) 1,1-Dichloroethane	8.20	63	1466856	64.57	ug/L	98
24) ETBE	8.51	59	2896072	73.19	ug/L	94
25) 2-Butanone	8.83	43	3169541	325.55	ug/L	94
26) 2,2-Dichloropropane	8.85	77	1257336	87.12	ug/L	99
27) cis-1,2-Dichloroethene	8.87	96	766759	70.24	ug/L	94
28) Bromochloromethane	9.16	128	406858	94.86	ug/L #	62
29) Tetrahydrofuran	9.15	42	323860	55.92	ug/L	93
30) Chloroform	9.19	83	1414978	78.77	ug/L	96
32) 1,1,1-Trichloroethane	9.39	97	1373106	102.34	ug/L	94
33) Cyclohexane	9.41	56	1462286	59.60	ug/L	94
34) Carbon Tetrachloride	9.55	117	1200622	113.67	ug/L	97
35) 1,1-Dichloropropene	9.56	75	976218	70.49	ug/L	90
37) TAME	9.79	73	2216722	67.58	ug/L	100

(#) = qualifier out of range (m) = manual integration
M0017928.D 8260M.M Tue Feb 13 09:25:32 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017928.D Vial: 5
Acq On : 12 Feb 2007 2:41 pm Operator: calvins
Sample : ic744-5 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 15:03:35 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
38)	Benzene	9.79	78	2377899	58.31 ug/L		97
39)	1,2-Dichloroethane	9.87	62	1559088	88.00 ug/L		88
40)	Trichloroethene	10.46	95	780322	82.73 ug/L		90
41)	Methylcyclohexane	10.62	83	1090807	65.04 ug/L		98
42)	1,2-Dichloropropane	10.76	63	737738	55.19 ug/L		84
43)	Dibromomethane	10.91	93	494907	76.79 ug/L		80
44)	Bromodichloromethane	11.02	83	1166946	80.36 ug/L		95
45)	2-Chloroethyl vinyl ether	11.25	63	2338750	290.54 ug/L		88
46)	2-Nitropropane	11.31	41	1453658	321.12 ug/L		95
47)	cis-1,3-Dichloropropene	11.48	75	1233036	69.23 ug/L		95
48)	4-Methyl-2-pentanone	11.57	43	5675613	312.05 ug/L		96
51)	Toluene	11.81	91	2994928	61.15 ug/L		99
52)	trans-1,3-Dichloropropene	12.07	75	1210633	63.17 ug/L		98
53)	1,1,2-Trichloroethane	12.29	83	549988	52.10 ug/L		79
54)	Tetrachloroethene	12.39	166	830169	85.29 ug/L		98
55)	2-hexanone	12.45	43	4568782	282.10 ug/L		95
56)	1,3-Dichloropropane	12.49	76	1187053	54.59 ug/L		95
57)	Dibromochloromethane	12.73	129	900427	88.01 ug/L		95
58)	1,2-Dibromoethane	12.91	107	825564	67.38 ug/L		98
59)	1-Chlorohexane	13.21	91	952727	62.00 ug/L		99
60)	Chlorobenzene	13.38	112	2031780	65.18 ug/L		95
61)	Ethylbenzene	13.41	91	3691898	64.26 ug/L		99
62)	1,1,1,2-Tetrachloroethane	13.45	131	865176	81.90 ug/L		93
63)	m,p-Xylene	13.52	91	5760646	130.36 ug/L		97
64)	o-Xylene	13.99	91	3178843	66.81 ug/L		98
65)	Styrene	14.00	104	2509284	64.80 ug/L		97
66)	Bromoform	14.31	173	717595	90.38 ug/L		97
68)	Isopropylbenzene	14.35	105	3570745	63.11 ug/L		95
69)	Cyclohexanone	14.60	55	184543	225.77 ug/L		82
71)	1,1,2,2-Tetrachloroethane	14.75	83	998124	47.52 ug/L		88
72)	trans-1,4-Dichloro-2-Buten	14.81	53	504639	58.72 ug/L	#	83
73)	n-Propylbenzene	14.80	91	4524324	57.73 ug/L		94
74)	Bromobenzene	14.83	156	1052131	73.09 ug/L		97
75)	1,2,3-Trichloropropane	14.84	110	346310	65.54 ug/L		86
76)	1,3,5-Trimethylbenzene	14.97	105	3465112	63.62 ug/L		98
77)	2-Chlorotoluene	14.99	91	3298669	60.82 ug/L		96
78)	4-Chlorotoluene	15.11	91	3221032	62.47 ug/L		95
79)	tert-Butylbenzene	15.34	91	2116590	65.40 ug/L		92
80)	1,2,4-Trimethylbenzene	15.41	105	3748765	63.95 ug/L		95
81)	sec-Butylbenzene	15.59	105	4374055	61.52 ug/L		94
82)	4-Isopropyltoluene	15.72	119	3720976	73.63 ug/L		98
83)	1,3-Dichlorobenzene	15.83	146	1960119	69.92 ug/L		95
84)	1,4-Dichlorobenzene	15.93	146	1978958	68.87 ug/L		94
85)	Benzyl Chloride	16.07	91	2595252	63.53 ug/L		97
86)	n-Butylbenzene	16.18	91	3518495	59.47 ug/L		97
87)	1,2-Dichlorobenzene	16.37	146	1925353	71.03 ug/L		93
88)	1,2-Dibromo-3-Chloropropan	17.23	75	255963	58.30 ug/L		83
89)	1,2,4-Trichlorobenzene	18.13	180	1488103	75.33 ug/L		97
90)	Hexachlorobutadiene	18.21	225	686288	87.28 ug/L		93

(#) = qualifier out of range (m) = manual integration
M0017928.D 8260M.M Tue Feb 13 09:25:33 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017928.D Vial: 5
Acq On : 12 Feb 2007 2:41 pm Operator: calvins
Sample : ic744-5 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 15:03:35 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

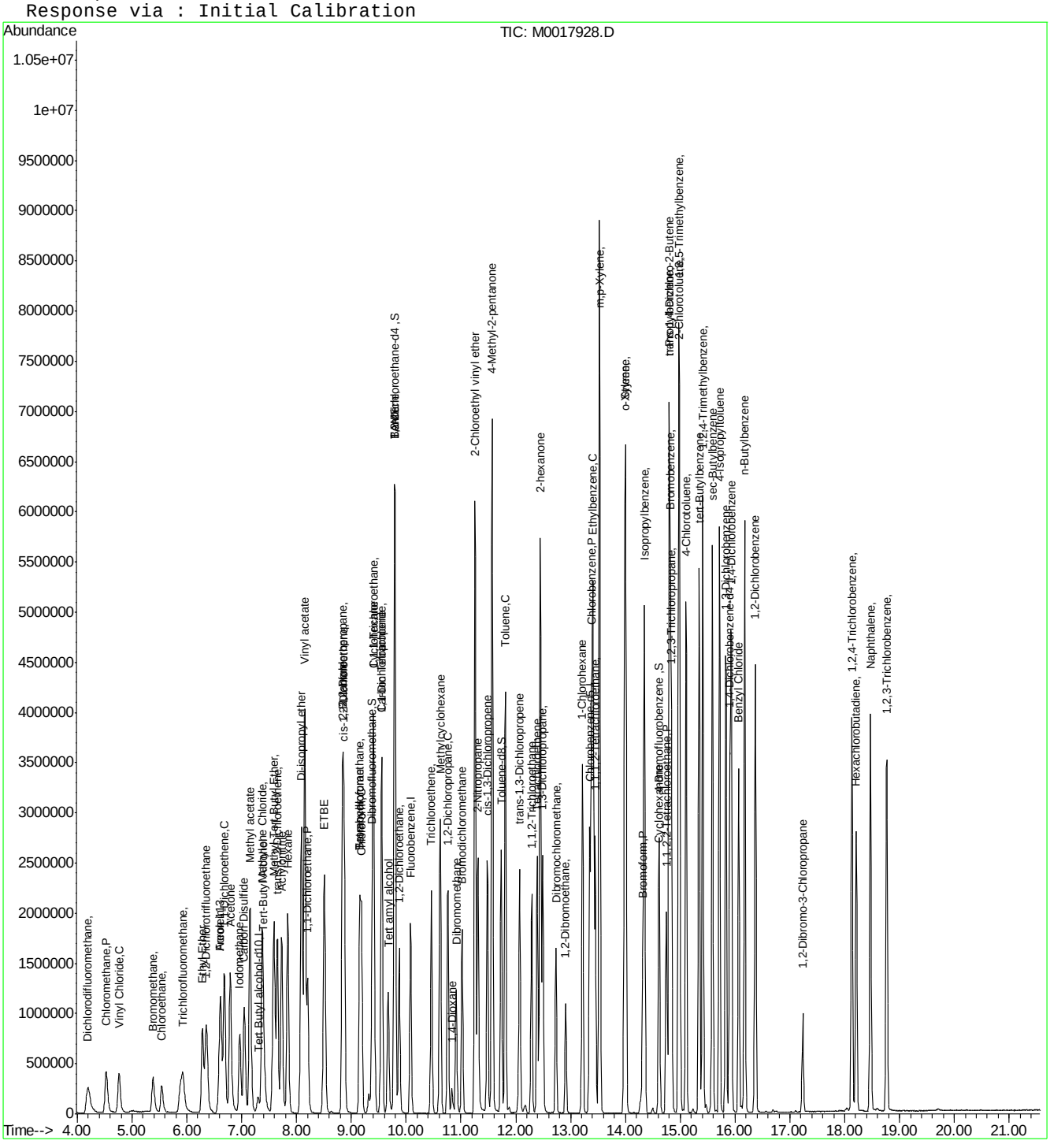
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
91) Naphthalene	18.47	128	3704495	71.29 ug/L	97
92) 1,2,3-Trichlorobenzene	18.77	180	1405243	74.15 ug/L	95
94) Acrolein	6.60	56	387153	353.52 ug/L	97
95) Tert-Butyl Alcohol	7.40	59	1164539	726.12 ug/L	99
96) Tert amyl alcohol	9.67	59	896782	684.30 ug/L	96
97) 1,4-Dioxane	10.84	88	197726	1462.30 ug/L	92

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017928.D Vial: 5
Acq On : 12 Feb 2007 2:41 pm Operator: calvins
Sample : ic744-5 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 15:03 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration



ACCUTEST Laboratories F47081

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017929.D Vial: 6
Acq On : 12 Feb 2007 3:09 pm Operator: calvins
Sample : ic744-6 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 15:40:48 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.08	96	1747834	50.00	ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1582935	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	913430	50.00	ug/L	0.00
93) Tert Butyl alcohol-d10	7.30	65	305397	250.00	ug/L	0.00

System Monitoring Compounds						
31) Dibromofluoromethane	9.37	113	477508	56.24	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 112.48%			
36) 1,2-Dichloroethane-d4	9.79	65	746764	56.28	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 112.56%			
50) Toluene-d8	11.74	98	1783394	44.77	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 89.54%			
70) 4-Bromofluorobenzene	14.62	95	916049	45.89	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 91.78%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.19	85	1141661	91.96	ug/L	99
3) Chloromethane	4.53	50	1292303	90.42	ug/L	96
4) Vinyl Chloride	4.76	62	1120183	98.07	ug/L	94
5) Bromomethane	5.38	94	570874	106.01	ug/L	97
6) Chloroethane	5.54	64	529082	104.46	ug/L	91
7) Trichlorofluoromethane	5.93	101	1389233	99.07	ug/L	98
8) Ethyl Ether	6.28	59	1031940	79.16	ug/L	98
9) 1,2-Dichlorotrifluoroethan	6.35	67	1173616	86.38	ug/L #	79
10) Freon 113	6.61	101	1063944	111.29	ug/L	90
11) 1,1-Dichloroethene	6.68	61	2192486	106.71	ug/L	97
12) Acetone	6.79	43	4453786	577.38	ug/L	91
13) Iodomethane	6.97	142	1949966	133.08	ug/L	91
14) Carbon Disulfide	7.05	76	3144404	84.30	ug/L	92
15) Methyl acetate	7.15	43	5809312	388.51	ug/L	97
16) Methylene Chloride	7.37	49	2211094	75.70	ug/L	97
17) Methyl Tert Butyl Ether	7.59	73	3625462	102.67	ug/L	95
18) trans-1,2-Dichloroethene	7.65	61	1933802	95.87	ug/L	97
19) Acrylonitrile	7.73	53	2544399	422.51	ug/L	97
20) Hexane	7.84	57	1647376	79.99	ug/L	93
21) Di-isopropyl ether	8.09	45	5306830	84.62	ug/L	95
22) Vinyl acetate	8.15	43	10763939	977.02	ug/L	98
23) 1,1-Dichloroethane	8.20	63	2158847	90.27	ug/L	100
24) ETBE	8.51	59	4192659	100.65	ug/L	94
25) 2-Butanone	8.84	43	4555742	444.50	ug/L	94
26) 2,2-Dichloropropane	8.85	77	1782771	117.34	ug/L	98
27) cis-1,2-Dichloroethene	8.87	96	1103589	96.03	ug/L	94
28) Bromochloromethane	9.16	128	579350	128.32	ug/L #	63
29) Tetrahydrofuran	9.15	42	474956	86.75	ug/L	95
30) Chloroform	9.19	83	2043167	108.05	ug/L	94
32) 1,1,1-Trichloroethane	9.40	97	1995983	141.31	ug/L	91
33) Cyclohexane	9.41	56	2133626	82.61	ug/L	94
34) Carbon Tetrachloride	9.55	117	1747781	157.19	ug/L	96
35) 1,1-Dichloropropene	9.56	75	1419928	97.39	ug/L	91
37) TAME	9.79	73	3191428	92.43	ug/L	99

(#) = qualifier out of range (m) = manual integration
M0017929.D 8260M.M Tue Feb 13 09:25:40 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017929.D Vial: 6
Acq On : 12 Feb 2007 3:09 pm Operator: calvins
Sample : ic744-6 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 15:40:48 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
38)	Benzene	9.79	78	3457080	80.53 ug/L		91
39)	1,2-Dichloroethane	9.87	62	2263448	121.36 ug/L		88
40)	Trichloroethene	10.46	95	1144384	115.25 ug/L		89
41)	Methylcyclohexane	10.62	83	1599433	90.59 ug/L		98
42)	1,2-Dichloropropane	10.76	63	1105682	78.58 ug/L		84
43)	Dibromomethane	10.91	93	720738	106.24 ug/L	#	80
44)	Bromodichloromethane	11.02	83	1745643	114.19 ug/L		96
45)	2-Chloroethyl vinyl ether	11.25	63	3335059	393.57 ug/L		90
46)	2-Nitropropane	11.31	41	2237245	469.48 ug/L		94
47)	cis-1,3-Dichloropropene	11.48	75	1817391	96.94 ug/L		95
48)	4-Methyl-2-pentanone	11.57	43	8156179	425.98 ug/L		97
51)	Toluene	11.81	91	4363086	85.24 ug/L		99
52)	trans-1,3-Dichloropropene	12.07	75	1774357	88.58 ug/L		98
53)	1,1,2-Trichloroethane	12.29	83	799301	72.44 ug/L		78
54)	Tetrachloroethene	12.39	166	1213485	119.28 ug/L		98
55)	2-hexanone	12.45	43	6587387	389.18 ug/L		95
56)	1,3-Dichloropropane	12.49	76	1702960	74.94 ug/L		94
57)	Dibromochloromethane	12.73	129	1340254	125.34 ug/L		97
58)	1,2-Dibromoethane	12.91	107	1185026	92.54 ug/L		92
59)	1-Chlorohexane	13.22	91	1374457	85.58 ug/L		98
60)	Chlorobenzene	13.38	112	2862847	87.88 ug/L		96
61)	Ethylbenzene	13.41	91	5342834	88.98 ug/L		99
62)	1,1,1,2-Tetrachloroethane	13.45	131	1238541	112.19 ug/L		92
63)	m,p-Xylene	13.53	91	8197822	177.51 ug/L		97
64)	o-Xylene	13.99	91	4485234	90.20 ug/L		97
65)	Styrene	14.01	104	3531227	87.26 ug/L		95
66)	Bromoform	14.31	173	1025608	123.59 ug/L		96
68)	Isopropylbenzene	14.35	105	5132949	90.12 ug/L		97
69)	Cyclohexanone	14.60	55	279394	339.57 ug/L	#	75
71)	1,1,2,2-Tetrachloroethane	14.75	83	1389884	65.74 ug/L		89
72)	trans-1,4-Dichloro-2-Buten	14.81	53	719024	83.11 ug/L	#	84
73)	n-Propylbenzene	14.80	91	6276313	79.55 ug/L		92
74)	Bromobenzene	14.83	156	1458045	100.62 ug/L		98
75)	1,2,3-Trichloropropane	14.84	110	485780	91.33 ug/L		89
76)	1,3,5-Trimethylbenzene	14.97	105	4829704	88.10 ug/L		99
77)	2-Chlorotoluene	14.99	91	4587393	84.03 ug/L		97
78)	4-Chlorotoluene	15.11	91	4592741	88.49 ug/L		96
79)	tert-Butylbenzene	15.34	91	3026988	92.91 ug/L		93
80)	1,2,4-Trimethylbenzene	15.41	105	5261202	89.16 ug/L		96
81)	sec-Butylbenzene	15.59	105	6137695	85.77 ug/L		94
82)	4-Isopropyltoluene	15.72	119	5242245	103.06 ug/L		97
83)	1,3-Dichlorobenzene	15.83	146	2722886	96.49 ug/L		95
84)	1,4-Dichlorobenzene	15.93	146	2711751	93.75 ug/L		94
85)	Benzyl Chloride	16.07	91	3685445	89.62 ug/L		98
86)	n-Butylbenzene	16.18	91	4962787	83.33 ug/L		98
87)	1,2-Dichlorobenzene	16.37	146	2673423	97.98 ug/L		94
88)	1,2-Dibromo-3-Chloropropan	17.24	75	365533	82.72 ug/L		82
89)	1,2,4-Trichlorobenzene	18.13	180	2101739	105.69 ug/L		97
90)	Hexachlorobutadiene	18.21	225	987773	124.80 ug/L		91

(#) = qualifier out of range (m) = manual integration
M0017929.D 8260M.M Tue Feb 13 09:25:41 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017929.D Vial: 6
Acq On : 12 Feb 2007 3:09 pm Operator: calvins
Sample : ic744-6 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 15:40:48 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Wed Feb 07 15:58:56 2007
Response via : Initial Calibration
DataAcq Meth : 8260

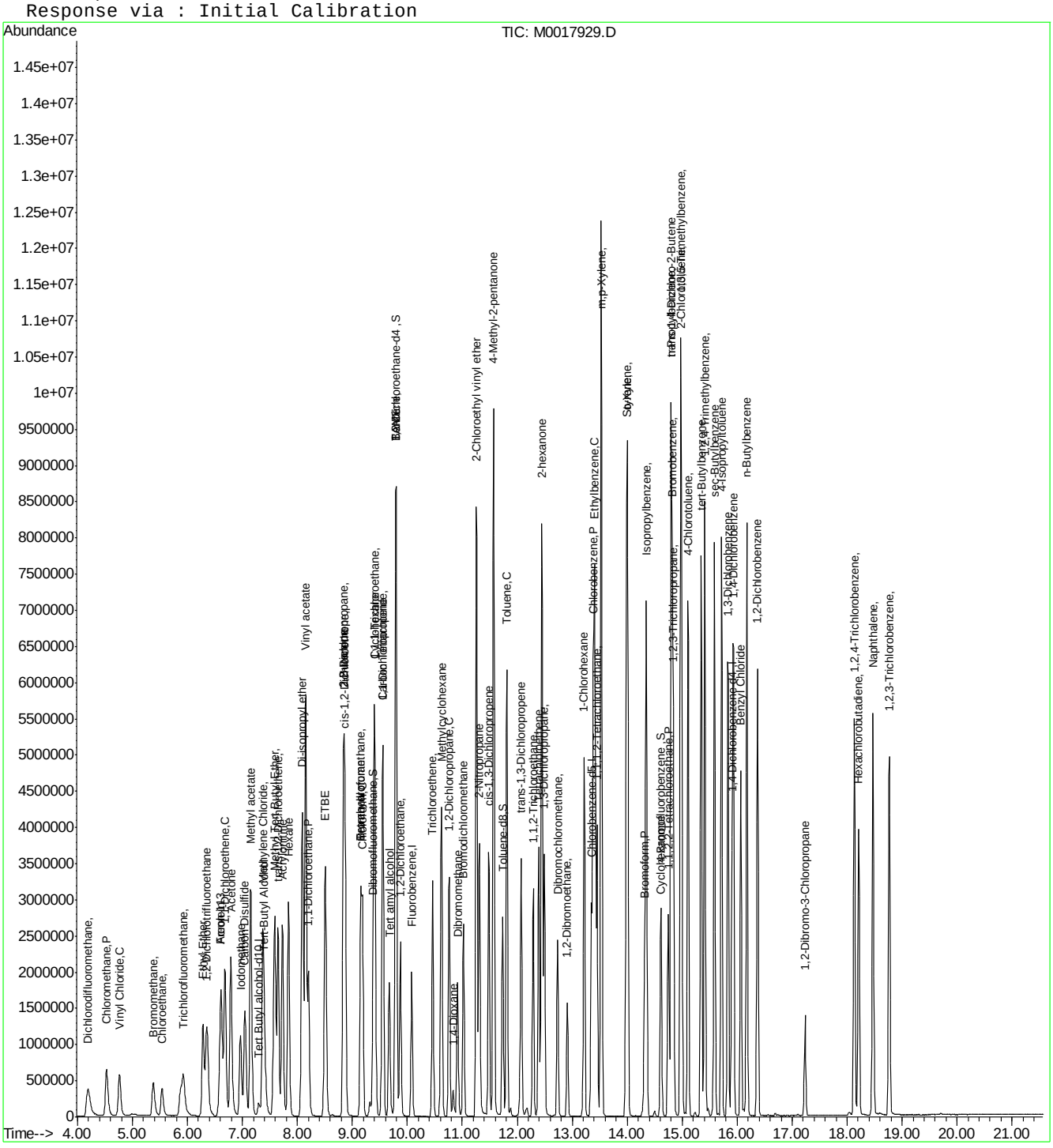
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	18.47	128	5170770	98.86	ug/L	98
92)	1,2,3-Trichlorobenzene	18.77	180	1978717	103.73	ug/L	95
94)	Acrolein	6.61	56	585044	514.22	ug/L	95
95)	Tert-Butyl Alcohol	7.40	59	1696172	1018.02	ug/L	97
96)	Tert amyl alcohol	9.67	59	1316064	966.65	ug/L	97
97)	1,4-Dioxane	10.84	88	283618	2019.01	ug/L	89

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017929.D Vial: 6
Acq On : 12 Feb 2007 3:09 pm Operator: calvins
Sample : ic744-6 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 15:40 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration



ACCUTEST Laboratories F47081

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017930.D Vial: 7
Acq On : 12 Feb 2007 3:37 pm Operator: calvins
Sample : icv744-4 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 16:07:04 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.08	96	1744124	50.00	ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1580697	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	898474	50.00	ug/L	0.00
93) Tert Butyl alcohol-d10	7.30	65	314373	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.38	113	500665	49.74	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 99.48%			
36) 1,2-Dichloroethane-d4	9.79	65	767855	49.32	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 98.64%			
50) Toluene-d8	11.74	98	1751070	49.71	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 99.42%			
70) 4-Bromofluorobenzene	14.61	95	906373	50.98	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 101.96%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.20	85	524661	45.40	ug/L	96
3) Chloromethane	4.53	50	708565	56.75	ug/L	95
4) Vinyl Chloride	4.76	62	430124	40.66	ug/L	100
5) Bromomethane	5.39	94	236523	36.14	ug/L	94
6) Chloroethane	5.55	64	204123	40.08	ug/L	97
7) Trichlorofluoromethane	5.93	101	539842	38.55	ug/L	100
8) Ethyl Ether	6.29	59	408891	38.87	ug/L	98
9) 1,2-Dichlorotrifluoroethan	6.36	67	522431	45.97	ug/L	98
10) Freon 113	6.62	101	429005	42.47	ug/L	95
11) 1,1-Dichloroethene	6.69	61	829297	37.92	ug/L	97
12) Acetone	6.80	43	1250312	147.98	ug/L	99
13) Iodomethane	6.97	142	762179	39.75	ug/L	98
14) Carbon Disulfide	7.05	76	1258819	42.63	ug/L	98
15) Methyl acetate	7.15	43	2413306	201.26	ug/L	98
16) Methylene Chloride	7.38	49	848266	35.10	ug/L	99
17) Methyl Tert Butyl Ether	7.59	73	1502333	40.88	ug/L	99
18) trans-1,2-Dichloroethene	7.65	61	774585	41.03	ug/L	98
19) Acrylonitrile	7.73	53	1064255	212.49	ug/L	97
20) Hexane	7.84	57	661930	43.13	ug/L	97
21) Di-isopropyl ether	8.09	45	2205021	42.05	ug/L	98
22) Vinyl acetate	8.15	43	2328676	106.37	ug/L	100
23) 1,1-Dichloroethane	8.21	63	884090	41.69	ug/L	99
24) ETBE	8.51	59	1931630	46.30	ug/L	98
25) 2-Butanone	8.84	43	1676262	177.95	ug/L	99
26) 2,2-Dichloropropane	8.86	77	712315	41.78	ug/L	97
27) cis-1,2-Dichloroethene	8.87	96	442120	38.07	ug/L	97
28) Bromochloromethane	9.16	128	236398	39.54	ug/L	96
29) Tetrahydrofuran	9.16	42	201831	40.52	ug/L	96
30) Chloroform	9.19	83	838910	40.78	ug/L	99
32) 1,1,1-Trichloroethane	9.40	97	792863	41.42	ug/L	98
33) Cyclohexane	9.41	56	906354	43.97	ug/L	98
34) Carbon Tetrachloride	9.55	117	698185	39.62	ug/L	98
35) 1,1-Dichloropropene	9.56	75	589680	41.85	ug/L	94
37) TAME	9.79	73	1375998	41.56	ug/L	100

(#) = qualifier out of range (m) = manual integration
M0017930.D 8260M.M Tue Feb 13 09:26:23 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017930.D Vial: 7
Acq On : 12 Feb 2007 3:37 pm Operator: calvins
Sample : icv744-4 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 16:07:04 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38) Benzene	9.79	78	1444492	40.60 ug/L	99
39) 1,2-Dichloroethane	9.87	62	906145	39.50 ug/L	100
40) Trichloroethene	10.46	95	473210	39.57 ug/L	99
41) Methylcyclohexane	10.62	83	693853	42.98 ug/L	98
42) 1,2-Dichloropropane	10.76	63	438321	40.72 ug/L	97
43) Dibromomethane	10.91	93	290065	39.13 ug/L	95
44) Bromodichloromethane	11.02	83	650017	39.57 ug/L	99
45) 2-Chloroethyl vinyl ether	11.25	63	1600174	224.15 ug/L	98
46) 2-Nitropropane	11.31	41	780890	178.80 ug/L	99
47) cis-1,3-Dichloropropene	11.48	75	737657	41.59 ug/L	99
48) 4-Methyl-2-pentanone	11.57	43	3551631	208.71 ug/L	99
51) Toluene	11.81	91	1780033	40.93 ug/L	97
52) trans-1,3-Dichloropropene	12.07	75	775254	44.97 ug/L	99
53) 1,1,2-Trichloroethane	12.29	83	323094	39.77 ug/L	98
54) Tetrachloroethene	12.39	166	508146	41.56 ug/L	100
55) 2-hexanone	12.45	43	2636663	204.32 ug/L	98
56) 1,3-Dichloropropane	12.49	76	683338	38.91 ug/L	98
57) Dibromochloromethane	12.73	129	513700	38.41 ug/L	97
58) 1,2-Dibromoethane	12.91	107	489450	41.13 ug/L	96
59) 1-Chlorohexane	13.21	91	614248	46.10 ug/L	99
60) Chlorobenzene	13.38	112	1234766	41.61 ug/L	99
61) Ethylbenzene	13.41	91	2194458	40.84 ug/L	98
62) 1,1,1,2-Tetrachloroethane	13.45	131	497886	42.36 ug/L	99
63) m,p-Xylene	13.52	91	3522024	83.50 ug/L	99
64) o-Xylene	13.99	91	1900682	40.67 ug/L	99
65) Styrene	14.00	104	1478357	40.70 ug/L	98
66) Bromoform	14.31	173	402705	43.58 ug/L	98
68) Isopropylbenzene	14.35	105	2195068	44.55 ug/L	100
69) Cyclohexanone	14.61	55	122167	227.33 ug/L	93
71) 1,1,2,2-Tetrachloroethane	14.75	83	569025	39.72 ug/L	100
72) trans-1,4-Dichloro-2-Buten	14.81	53	320740	46.87 ug/L	89
73) n-Propylbenzene	14.80	91	2691158	42.73 ug/L	100
74) Bromobenzene	14.83	156	619303	40.53 ug/L	100
75) 1,2,3-Trichloropropane	14.84	110	202229	40.79 ug/L	94
76) 1,3,5-Trimethylbenzene	14.97	105	2007851	41.87 ug/L	99
77) 2-Chlorotoluene	14.99	91	1916510	41.17 ug/L	97
78) 4-Chlorotoluene	15.11	91	1850536	42.15 ug/L	100
79) tert-Butylbenzene	15.34	91	1227148	42.42 ug/L	98
80) 1,2,4-Trimethylbenzene	15.41	105	2137995	41.24 ug/L	99
81) sec-Butylbenzene	15.59	105	2575932	43.34 ug/L	98
82) 4-Isopropyltoluene	15.71	119	2143729	42.46 ug/L	100
83) 1,3-Dichlorobenzene	15.83	146	1125394	40.96 ug/L	96
84) 1,4-Dichlorobenzene	15.93	146	1154643	42.15 ug/L	98
85) Benzyl Chloride	16.07	91	1417792	43.94 ug/L	99
86) n-Butylbenzene	16.18	91	2006958	42.52 ug/L	98
87) 1,2-Dichlorobenzene	16.37	146	1127227	41.44 ug/L	96
88) 1,2-Dibromo-3-Chloropropan	17.23	75	142595	40.86 ug/L	94
89) 1,2,4-Trichlorobenzene	18.13	180	854917	42.20 ug/L	97
90) Hexachlorobutadiene	18.21	225	394735	44.06 ug/L	94

(#) = qualifier out of range (m) = manual integration
M0017930.D 8260M.M Tue Feb 13 09:26:24 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017930.D Vial: 7
Acq On : 12 Feb 2007 3:37 pm Operator: calvins
Sample : icv744-4 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 16:07:04 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

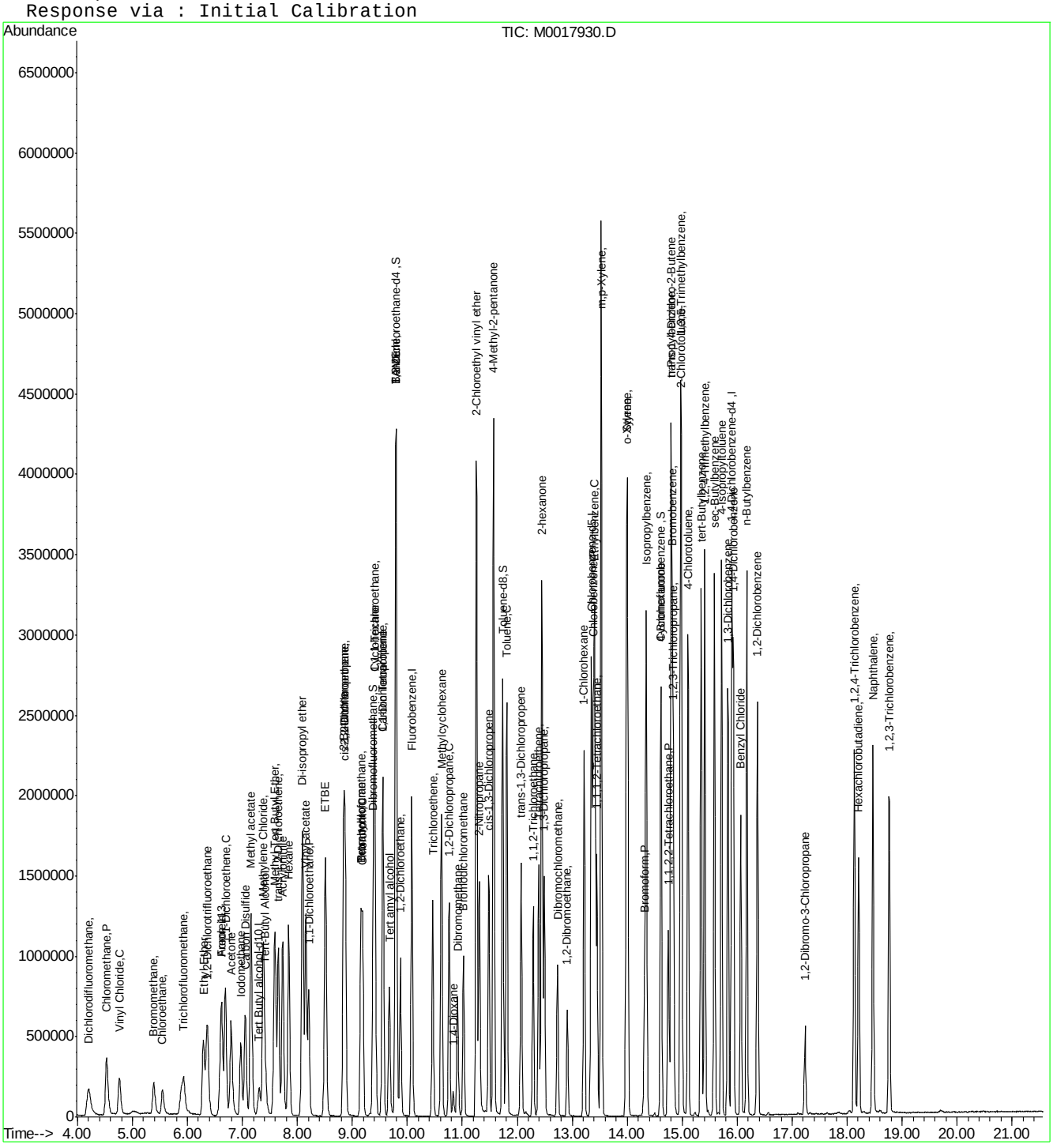
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	18.47	128	2105450	40.63	ug/L	100
92)	1,2,3-Trichlorobenzene	18.77	180	805609	41.92	ug/L	97
94)	Acrolein	6.61	56	216831	181.17	ug/L	99
95)	Tert-Butyl Alcohol	7.41	59	725583	421.50	ug/L	97
96)	Tert amyl alcohol	9.67	59	568228	441.18	ug/L	99
97)	1,4-Dioxane	10.84	88	120668	817.72	ug/L	93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021207\M0017930.D Vial: 7
Acq On : 12 Feb 2007 3:37 pm Operator: calvins
Sample : icv744-4 Inst : MSVOA7
Misc : ms7410,vm744,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 12 16:07 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017951.D Vial: 1
Acq On : 13 Feb 2007 9:33 am Operator: calvins
Sample : cc744-4 Inst : MSVOA7
Misc : ms7410,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 10:25:30 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.07	96	1552922	50.00	ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1479117	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	934372	50.00	ug/L	0.00
93) Tert Butyl alcohol-d10	7.29	65	277712	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.37	113	454474	50.71	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 101.42%			
36) 1,2-Dichloroethane-d4	9.78	65	716102	51.65	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 103.30%			
50) Toluene-d8	11.73	98	1629231	49.43	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 98.86%			
70) 4-Bromofluorobenzene	14.61	95	909849	49.21	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 98.42%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.18	85	411020	39.94	ug/L	97
3) Chloromethane	4.52	50	372822	33.54	ug/L	100
4) Vinyl Chloride	4.75	62	319625	33.93	ug/L	99
5) Bromomethane	5.37	94	202526	34.76	ug/L	98
6) Chloroethane	5.54	64	156641	34.55	ug/L	87
7) Trichlorofluoromethane	5.93	101	629766	50.50	ug/L	98
8) Ethyl Ether	6.28	59	347209	37.07	ug/L	93
9) 1,2-Dichlorotrifluoroethan	6.35	67	468516	46.30	ug/L	95
10) Freon 113	6.61	101	427430	47.53	ug/L	96
11) 1,1-Dichloroethene	6.67	61	820000	42.11	ug/L	96
12) Acetone	6.78	43	1596869	212.27	ug/L	97
13) Iodomethane	6.96	142	705457	41.32	ug/L	98
14) Carbon Disulfide	7.04	76	1209806	46.02	ug/L	95
15) Methyl acetate	7.14	43	2051852	192.18	ug/L	97
16) Methylene Chloride	7.37	49	812358	37.75	ug/L	97
17) Methyl Tert Butyl Ether	7.58	73	1295806	39.60	ug/L	96
18) trans-1,2-Dichloroethene	7.65	61	713304	42.44	ug/L	96
19) Acrylonitrile	7.73	53	832237	186.62	ug/L	98
20) Hexane	7.84	57	634814	46.45	ug/L	97
21) Di-isopropyl ether	8.09	45	1881052	40.29	ug/L	99
22) Vinyl acetate	8.15	43	4440780	227.82	ug/L	99
23) 1,1-Dichloroethane	8.19	63	819178	43.38	ug/L	99
24) ETBE	8.50	59	1521533	40.96	ug/L	97
25) 2-Butanone	8.83	43	1670656	199.19	ug/L	99
26) 2,2-Dichloropropane	8.85	77	707573	46.61	ug/L	100
27) cis-1,2-Dichloroethene	8.86	96	433838	41.96	ug/L	95
28) Bromochloromethane	9.15	128	220729	41.47	ug/L	93
29) Tetrahydrofuran	9.14	42	168315	37.95	ug/L	93
30) Chloroform	9.18	83	782122	42.70	ug/L	96
32) 1,1,1-Trichloroethane	9.39	97	769589	45.16	ug/L	95
33) Cyclohexane	9.40	56	794180	43.27	ug/L	94
34) Carbon Tetrachloride	9.54	117	713724	45.49	ug/L	94
35) 1,1-Dichloropropene	9.55	75	548571	43.73	ug/L	95
37) TAME	9.78	73	1192002	40.44	ug/L	94

(#) = qualifier out of range (m) = manual integration
M0017951.D 8260M.M Tue Feb 13 14:13:05 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017951.D Vial: 1
Acq On : 13 Feb 2007 9:33 am Operator: calvins
Sample : cc744-4 Inst : MSVOA7
Misc : ms7410,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 10:25:30 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38) Benzene	9.79	78	1357177	42.84 ug/L	98
39) 1,2-Dichloroethane	9.87	62	871431	42.66 ug/L	100
40) Trichloroethene	10.46	95	427632	40.16 ug/L	96
41) Methylcyclohexane	10.62	83	636971	44.31 ug/L	98
42) 1,2-Dichloropropane	10.76	63	386443	40.33 ug/L	93
43) Dibromomethane	10.91	93	283408	42.94 ug/L	96
44) Bromodichloromethane	11.02	83	651716	44.56 ug/L	98
45) 2-Chloroethyl vinyl ether	11.25	63	1218818	191.75 ug/L	95
46) 2-Nitropropane	11.31	41	919339	236.41 ug/L	94
47) cis-1,3-Dichloropropene	11.48	75	699098	44.27 ug/L	93
48) 4-Methyl-2-pentanone	11.57	43	3057367	201.79 ug/L	98
51) Toluene	11.81	91	1708993	42.00 ug/L	97
52) trans-1,3-Dichloropropene	12.07	75	685720	42.51 ug/L	96
53) 1,1,2-Trichloroethane	12.29	83	325091	42.76 ug/L	97
54) Tetrachloroethene	12.39	166	457013	39.95 ug/L	98
55) 2-hexanone	12.45	43	2535618	209.98 ug/L	98
56) 1,3-Dichloropropane	12.49	76	666327	40.55 ug/L	93
57) Dibromochloromethane	12.73	129	536402	42.86 ug/L	99
58) 1,2-Dibromoethane	12.91	107	474573	42.62 ug/L	97
59) 1-Chlorohexane	13.21	91	575778	46.19 ug/L	99
60) Chlorobenzene	13.38	112	1193248	42.98 ug/L	98
61) Ethylbenzene	13.41	91	2202990	43.81 ug/L	98
62) 1,1,1,2-Tetrachloroethane	13.44	131	502608	45.69 ug/L	95
63) m,p-Xylene	13.52	91	3457104	87.59 ug/L	99
64) o-Xylene	13.99	91	1894845	43.33 ug/L	99
65) Styrene	14.00	104	1486008	43.72 ug/L	99
66) Bromoform	14.31	173	416531	48.17 ug/L	97
68) Isopropylbenzene	14.35	105	2174984	42.44 ug/L	100
69) Cyclohexanone	14.60	55	97828	175.04 ug/L #	83
71) 1,1,2,2-Tetrachloroethane	14.75	83	615842	41.33 ug/L	100
72) trans-1,4-Dichloro-2-Buten	14.81	53	300487	42.22 ug/L	90
73) n-Propylbenzene	14.80	91	2811170	42.93 ug/L	99
74) Bromobenzene	14.83	156	619768	39.00 ug/L	100
75) 1,2,3-Trichloropropane	14.84	110	208789	40.50 ug/L	95
76) 1,3,5-Trimethylbenzene	14.97	105	2124606	42.60 ug/L	97
77) 2-Chlorotoluene	14.99	91	2036491	42.07 ug/L	98
78) 4-Chlorotoluene	15.11	91	1948061	42.67 ug/L	100
79) tert-Butylbenzene	15.34	91	1322698	43.97 ug/L	99
80) 1,2,4-Trimethylbenzene	15.41	105	2302596	42.71 ug/L	99
81) sec-Butylbenzene	15.59	105	2746342	44.43 ug/L	99
82) 4-Isopropyltoluene	15.71	119	2336536	44.50 ug/L	99
83) 1,3-Dichlorobenzene	15.83	146	1220332	42.71 ug/L	97
84) 1,4-Dichlorobenzene	15.93	146	1222041	42.89 ug/L	98
85) Benzyl Chloride	16.07	91	1671526	49.81 ug/L	99
86) n-Butylbenzene	16.18	91	2265261	46.14 ug/L	100
87) 1,2-Dichlorobenzene	16.37	146	1213762	42.91 ug/L	98
88) 1,2-Dibromo-3-Chloropropan	17.23	75	151907	41.85 ug/L	95
89) 1,2,4-Trichlorobenzene	18.13	180	903437	42.88 ug/L	96
90) Hexachlorobutadiene	18.21	225	414652	44.51 ug/L	94

(#) = qualifier out of range (m) = manual integration
M0017951.D 8260M.M Tue Feb 13 14:13:06 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017951.D Vial: 1
Acq On : 13 Feb 2007 9:33 am Operator: calvins
Sample : cc744-4 Inst : MSVOA7
Misc : ms7410,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 10:25:30 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration
DataAcq Meth : 8260

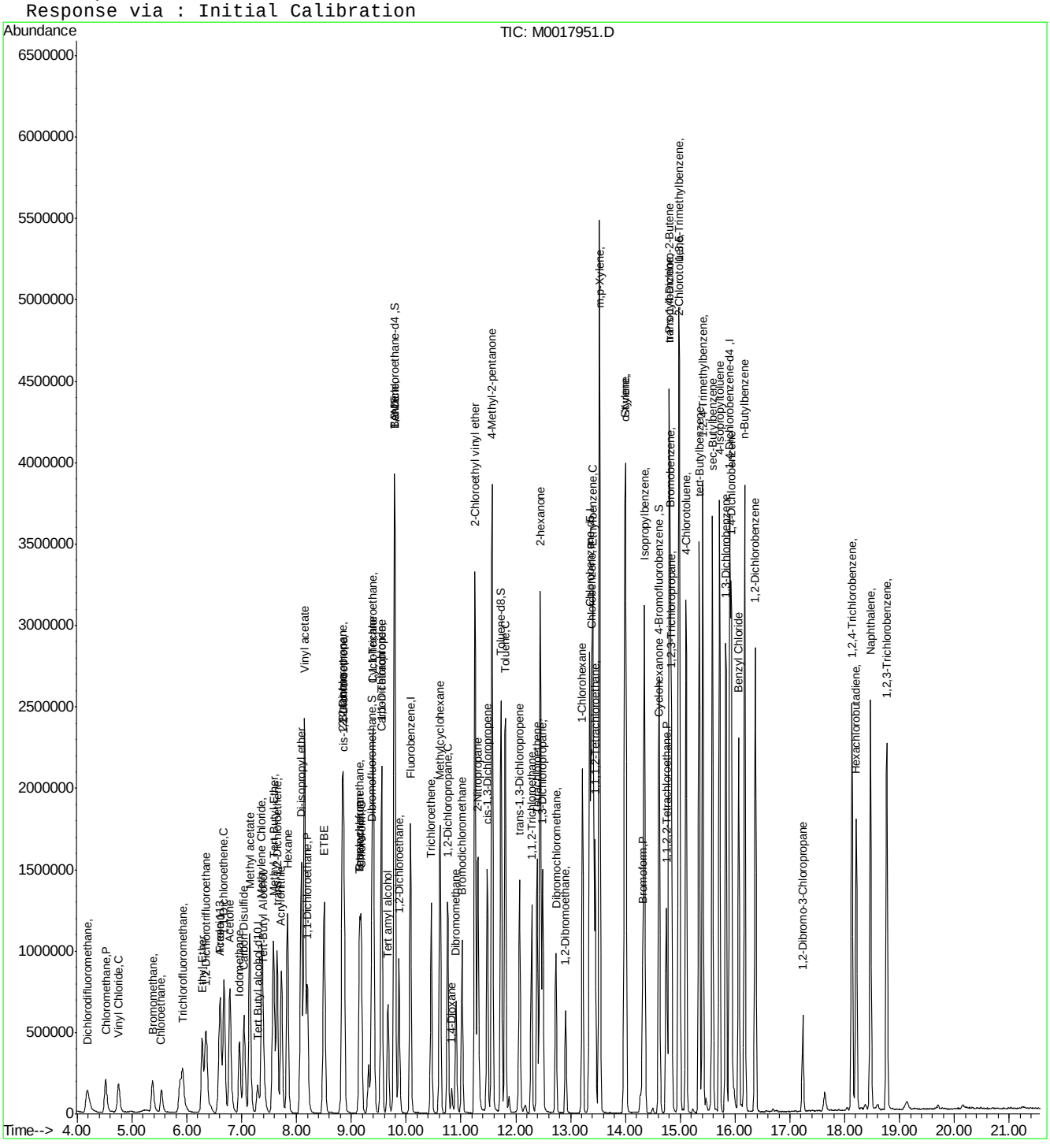
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	18.47	128	2277735	42.27	ug/L	99
92)	1,2,3-Trichlorobenzene	18.77	180	855305	42.79	ug/L	97
94)	Acrolein	6.59	56	193575	183.09	ug/L	98
95)	Tert-Butyl Alcohol	7.40	59	602151	395.97	ug/L	97
96)	Tert amyl alcohol	9.67	59	447052	392.92	ug/L	97
97)	1,4-Dioxane	10.83	88	105506	809.36	ug/L	93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021307\M0017951.D Vial: 1
Acq On : 13 Feb 2007 9:33 am Operator: calvins
Sample : cc744-4 Inst : MSVOA7
Misc : ms7410,vm745,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 13 10:25 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Feb 12 15:52:09 2007
Response via : Initial Calibration



ACCUTEST Laboratories F47081

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017978.D Vial: 1
Acq On : 14 Feb 2007 9:14 am Operator: calvins
Sample : cc744-4 Inst : MSVOA7
Misc : ms7410,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 09:38:49 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.08	96	1620474	50.00	ug/L	0.00
49) Chlorobenzene-d5	13.35	117	1498514	50.00	ug/L	0.00
67) 1,4-Dichlorobenzene-d4	15.90	152	946886	50.00	ug/L	0.00
93) Tert Butyl alcohol-d10	7.30	65	284064	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.37	113	491935	52.60	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 105.20%			
36) 1,2-Dichloroethane-d4	9.79	65	757954	52.39	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 104.78%			
50) Toluene-d8	11.74	98	1649912	49.41	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 98.82%			
70) 4-Bromofluorobenzene	14.61	95	906374	48.37	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 96.74%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.19	85	388791	36.21	ug/L	100
3) Chloromethane	4.51	50	382912	33.01	ug/L	98
4) Vinyl Chloride	4.75	62	335154	34.10	ug/L	97
5) Bromomethane	5.38	94	213937	35.19	ug/L	95
6) Chloroethane	5.54	64	173311	36.63	ug/L	87
7) Trichlorofluoromethane	5.91	101	672809	51.71	ug/L	94
8) Ethyl Ether	6.28	59	396455	40.56	ug/L	96
9) 1,2-Dichlorotrifluoroethan	6.35	67	485209	45.95	ug/L	95
10) Freon 113	6.61	101	446090	47.53	ug/L	97
11) 1,1-Dichloroethene	6.67	61	867443	42.69	ug/L	99
12) Acetone	6.79	43	1734443	220.94	ug/L	98
13) Iodomethane	6.95	142	773549	43.42	ug/L	98
14) Carbon Disulfide	7.04	76	1295648	47.23	ug/L	98
15) Methyl acetate	7.15	43	2160117	193.89	ug/L	98
16) Methylene Chloride	7.37	49	859918	38.29	ug/L	95
17) Methyl Tert Butyl Ether	7.58	73	1358634	39.79	ug/L	96
18) trans-1,2-Dichloroethene	7.65	61	765393	43.64	ug/L	96
19) Acrylonitrile	7.73	53	893738	192.06	ug/L	98
20) Hexane	7.84	57	649962	45.58	ug/L	99
21) Di-isopropyl ether	8.09	45	1973491	40.50	ug/L	97
22) Vinyl acetate	8.15	43	4533730	222.89	ug/L	98
23) 1,1-Dichloroethane	8.20	63	873071	44.31	ug/L	98
24) ETBE	8.50	59	1575177	40.64	ug/L	95
25) 2-Butanone	8.83	43	1663834	190.11	ug/L	99
26) 2,2-Dichloropropane	8.85	77	763448	48.19	ug/L	99
27) cis-1,2-Dichloroethene	8.87	96	464566	43.06	ug/L	93
28) Bromochloromethane	9.15	128	242000	43.57	ug/L	97
29) Tetrahydrofuran	9.15	42	170145	36.77	ug/L	99
30) Chloroform	9.18	83	837098	43.80	ug/L	96
32) 1,1,1-Trichloroethane	9.39	97	836792	47.05	ug/L	98
33) Cyclohexane	9.40	56	822399	42.94	ug/L	96
34) Carbon Tetrachloride	9.55	117	768094	46.91	ug/L	99
35) 1,1-Dichloropropene	9.55	75	581659	44.43	ug/L	93
37) TAME	9.79	73	1230086	39.99	ug/L	98

(#) = qualifier out of range (m) = manual integration
M0017978.D 8260M.M Wed Feb 14 14:22:51 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017978.D Vial: 1
Acq On : 14 Feb 2007 9:14 am Operator: calvins
Sample : cc744-4 Inst : MSVOA7
Misc : ms7410,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 09:38:49 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38) Benzene	9.79	78	1428078	43.20 ug/L	97
39) 1,2-Dichloroethane	9.87	62	923352	43.32 ug/L	96
40) Trichloroethene	10.46	95	460789	41.47 ug/L	98
41) Methylcyclohexane	10.62	83	656309	43.75 ug/L	95
42) 1,2-Dichloropropane	10.76	63	409426	40.94 ug/L	94
43) Dibromomethane	10.91	93	290303	42.15 ug/L	95
44) Bromodichloromethane	11.02	83	691024	45.28 ug/L	97
45) 2-Chloroethyl vinyl ether	11.25	63	1216991	183.48 ug/L	95
46) 2-Nitropropane	11.30	41	996357	245.54 ug/L	96
47) cis-1,3-Dichloropropene	11.48	75	694783	42.16 ug/L	92
48) 4-Methyl-2-pentanone	11.57	43	3102493	196.23 ug/L	98
51) Toluene	11.81	91	1736018	42.11 ug/L	97
52) trans-1,3-Dichloropropene	12.07	75	678142	41.49 ug/L	97
53) 1,1,2-Trichloroethane	12.29	83	321367	41.73 ug/L	97
54) Tetrachloroethene	12.39	166	475667	41.04 ug/L	96
55) 2-hexanone	12.45	43	2414619	197.37 ug/L	97
56) 1,3-Dichloropropane	12.49	76	673286	40.44 ug/L	98
57) Dibromochloromethane	12.73	129	546642	43.11 ug/L	97
58) 1,2-Dibromoethane	12.91	107	470051	41.67 ug/L	97
59) 1-Chlorohexane	13.22	91	562616	44.55 ug/L	94
60) Chlorobenzene	13.38	112	1187348	42.21 ug/L	98
61) Ethylbenzene	13.41	91	2179495	42.79 ug/L	96
62) 1,1,1,2-Tetrachloroethane	13.45	131	507468	45.54 ug/L	95
63) m,p-Xylene	13.52	91	3463734	86.63 ug/L	99
64) o-Xylene	13.99	91	1880972	42.46 ug/L	99
65) Styrene	14.01	104	1450759	42.13 ug/L	96
66) Bromoform	14.31	173	416270	47.51 ug/L	97
68) Isopropylbenzene	14.35	105	2159507	41.59 ug/L	99
69) Cyclohexanone	14.61	55	93448	165.00 ug/L	94
71) 1,1,2,2-Tetrachloroethane	14.75	83	598392	39.63 ug/L	99
72) trans-1,4-Dichloro-2-Buten	14.81	53	305823	42.40 ug/L	89
73) n-Propylbenzene	14.80	91	2737634	41.25 ug/L	99
74) Bromobenzene	14.83	156	631093	39.19 ug/L	97
75) 1,2,3-Trichloropropane	14.84	110	208502	39.91 ug/L	96
76) 1,3,5-Trimethylbenzene	14.97	105	2108527	41.72 ug/L	99
77) 2-Chlorotoluene	14.99	91	1998563	40.74 ug/L	97
78) 4-Chlorotoluene	15.11	91	1909479	41.27 ug/L	99
79) tert-Butylbenzene	15.34	91	1315087	43.14 ug/L	98
80) 1,2,4-Trimethylbenzene	15.41	105	2260553	41.38 ug/L	98
81) sec-Butylbenzene	15.59	105	2678757	42.76 ug/L	99
82) 4-Isopropyltoluene	15.72	119	2288718	43.01 ug/L	99
83) 1,3-Dichlorobenzene	15.84	146	1213999	41.93 ug/L	99
84) 1,4-Dichlorobenzene	15.93	146	1223937	42.39 ug/L	97
85) Benzyl Chloride	16.07	91	1636150	48.11 ug/L	99
86) n-Butylbenzene	16.18	91	2205465	44.33 ug/L	99
87) 1,2-Dichlorobenzene	16.37	146	1188919	41.48 ug/L	98
88) 1,2-Dibromo-3-Chloropropan	17.24	75	150215	40.84 ug/L	96
89) 1,2,4-Trichlorobenzene	18.14	180	887987	41.59 ug/L	97
90) Hexachlorobutadiene	18.21	225	422004	44.70 ug/L	95

(#) = qualifier out of range (m) = manual integration
M0017978.D 8260M.M Wed Feb 14 14:22:52 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017978.D Vial: 1
Acq On : 14 Feb 2007 9:14 am Operator: calvins
Sample : cc744-4 Inst : MSVOA7
Misc : ms7410,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 09:38:49 2007 Quant Results File: 8260M.RES

Quant Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration
DataAcq Meth : 8260

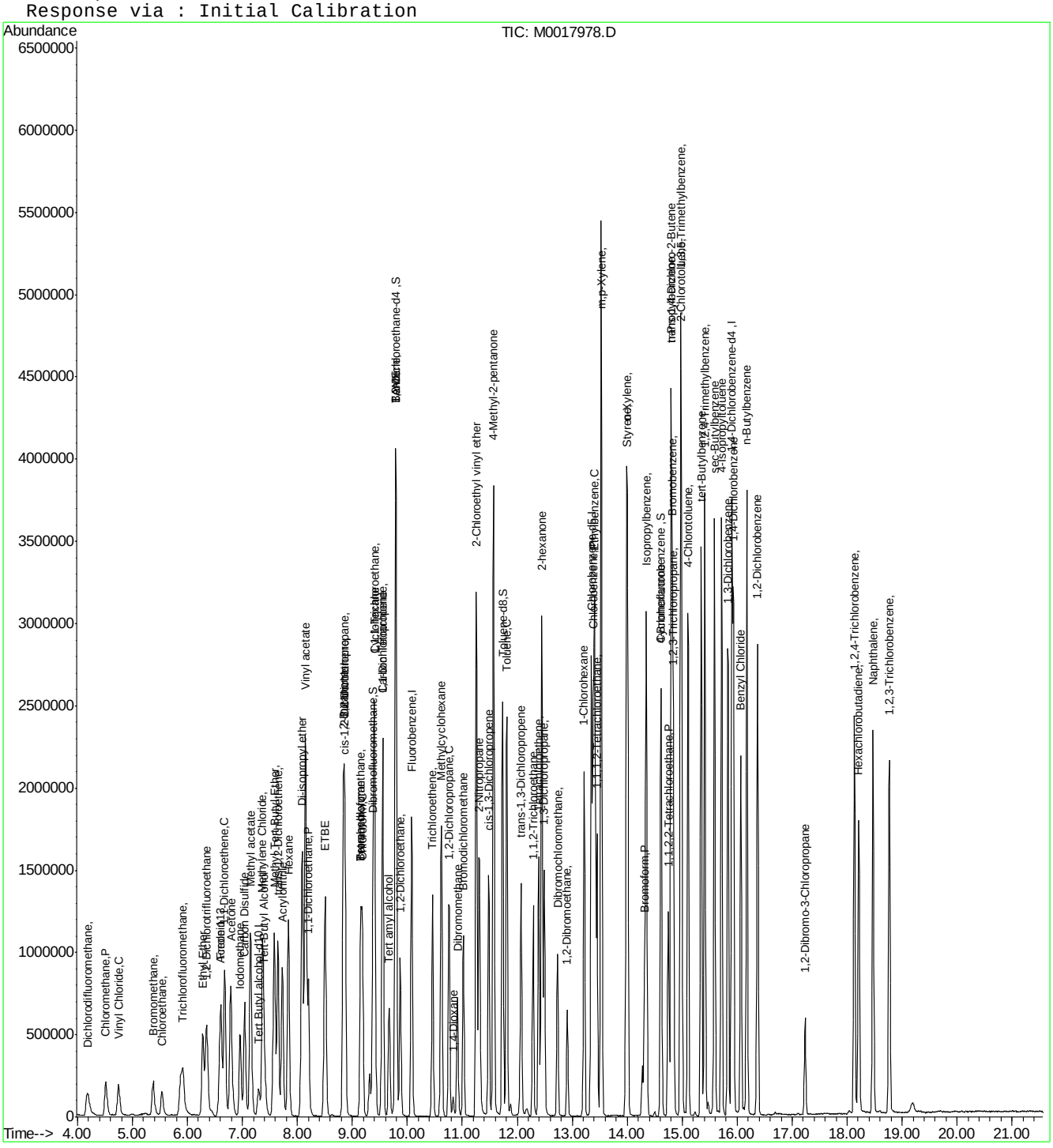
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91) Naphthalene	18.47	128	2175020	39.83	ug/L	99
92) 1,2,3-Trichlorobenzene	18.77	180	822243	40.59	ug/L	95
94) Acrolein	6.59	56	113771	105.20	ug/L	99
95) Tert-Butyl Alcohol	7.40	59	604354	388.54	ug/L	96
96) Tert amyl alcohol	9.67	59	461463	396.52	ug/L	98
97) 1,4-Dioxane	10.84	88	96524	723.90	ug/L	95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021407\M0017978.D Vial: 1
Acq On : 14 Feb 2007 9:14 am Operator: calvins
Sample : cc744-4 Inst : MSVOA7
Misc : ms7410,vm746,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p
Quant Time: Feb 14 9:38 2007 Quant Results File: 8260M.RES

Method : C:\MSDCHEM\1\METHODS\8260M.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Tue Feb 13 16:37:30 2007
Response via : Initial Calibration



Manual Integrations
APPROVED
(compounds with "m" flag)
Juan Garcia
02/13/07 13:43

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28:16 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	1049309	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.50	117	982775	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	562606	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	161406	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.92	113	293815	55.74	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 111.48%			
38) 1,2-Dichloroethane-d4	10.59	65	376528	52.00	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 104.00%			
48) Toluene-d8	12.73	98	1133602	40.74	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 81.48%#			
69) 4-Bromofluorobenzene	15.82	95	566024	48.39	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 96.78%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.35	85	4895	0.76	ug/L	93
3) Chloromethane	4.66	50	5309	0.92	ug/L	89
4) Vinyl Chloride	4.87	62	4362	0.80	ug/L	79
5) Bromomethane	5.45	94	3325	1.33	ug/L	81
6) Chloroethane	5.68	64	2336	0.90	ug/L	95
7) Trichlorofluoromethane	5.98	101	8432m	1.05	ug/L	
8) Ethyl Ether	6.38	59	4143	0.97	ug/L #	59
9) 1,2-Dichlorotrifluoroethan	6.66	67	5242	1.08	ug/L	87
10) 1,1-Dichloroethene	6.75	61	7411	0.93	ug/L	91
11) Freon 113	6.80	101	3669	0.83	ug/L	86
12) Carbon Disulfide	6.86	76	15928	1.03	ug/L	62
13) Iodomethane	7.00	142	10312	1.01	ug/L	97
14) Methylene Chloride	7.58	49	22111	2.40	ug/L	96
15) Acetone	7.62	43	18898	7.13	ug/L	92
16) Methyl acetate	7.78	43	24732	4.93	ug/L	93
17) trans-1,2-Dichloroethene	7.81	61	8840	0.95	ug/L	97
18) Hexane	7.90	56	6214	1.05	ug/L #	83
19) Methyl Tert Butyl Ether	7.94	73	20745	1.13	ug/L	94
20) Di-isopropyl ether	8.42	45	20227	0.91	ug/L	92
21) 1,1-Dichloroethane	8.66	63	11522	1.07	ug/L	96
22) Acrylonitrile	8.69	53	11514	5.04	ug/L	84
23) ETBE	8.90	59	18367	1.02	ug/L	96
24) Vinyl acetate	8.90	43	52990	9.02	ug/L	96
25) cis-1,2-Dichloroethene	9.36	96	7339	1.12	ug/L	90
26) 2,2-Dichloropropane	9.51	77	8731	0.99	ug/L	60
27) Bromochloromethane	9.62	128	3796	1.15	ug/L #	68
28) Cyclohexane	9.67	56	9403	0.95	ug/L	88
29) Chloroform	9.69	83	12843	1.16	ug/L	93
30) Tetrahydrofuran	9.93	42	2246	1.04	ug/L	84
32) Carbon Tetrachloride	9.92	117	7653	0.84	ug/L #	83
33) 1,1,1-Trichloroethane	9.99	97	9202	0.98	ug/L	97
34) 2-Butanone	10.05	43	18666	5.23	ug/L	93
35) 1,1-Dichloropropene	10.13	75	8200	1.01	ug/L	78
36) Benzene	10.44	78	26819	1.14	ug/L	93

(#) = qualifier out of range (m) = manual integration
N0017063.D 8260N.M Tue Feb 13 09:41:20 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28:16 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
37) TAME	10.52	73	18972	1.11 ug/L	86
39) 1,2-Dichloroethane	10.67	62	10939	1.13 ug/L	99
40) Trichloroethene	11.13	95	6921	1.14 ug/L	93
41) Methylcyclohexane	11.15	83	9726	1.04 ug/L	85
42) Dibromomethane	11.65	93	4536	1.18 ug/L	85
43) 1,2-Dichloropropane	11.75	63	6071	1.00 ug/L	97
44) Bromodichloromethane	11.80	83	10001	1.11 ug/L	93
45) 2-Chloroethyl vinyl ether	12.38	63	20636	5.20 ug/L	85
46) cis-1,3-Dichloropropene	12.52	75	11765	1.16 ug/L	85
49) Toluene	12.79	91	30594	0.88 ug/L	96
50) 2-Nitropropane	13.04	41	8234m	3.04 ug/L	
51) 4-Methyl-2-pentanone	13.17	43	34446	3.68 ug/L	97
52) trans-1,3-Dichloropropene	13.23	75	10579	0.84 ug/L	94
53) Tetrachloroethene	13.26	166	7568	0.78 ug/L	78
54) 1,1,2-Trichloroethane	13.43	83	5585	0.83 ug/L	87
55) Dibromochloromethane	13.67	129	6868	0.68 ug/L	92
56) 1,3-Dichloropropane	13.75	76	11818	0.85 ug/L	94
57) 1,2-Dibromoethane	13.96	107	6486	0.69 ug/L	96
58) 2-hexanone	14.08	43	26107	3.76 ug/L	95
59) 1-Chlorohexane	14.42	91	8117m	0.67 ug/L	
60) Ethylbenzene	14.50	91	33820	0.91 ug/L	99
61) Chlorobenzene	14.52	112	19586	0.93 ug/L	92
62) 1,1,1,2-Tetrachloroethane	14.57	131	6489	0.74 ug/L #	75
63) m,p-Xylene	14.65	91	53222	1.79 ug/L	99
64) o-Xylene	15.14	91	26094	0.75 ug/L	97
65) Styrene	15.19	104	18020	0.71 ug/L	96
66) Bromoform	15.28	173	5114	0.83 ug/L	98
67) Isopropylbenzene	15.47	105	26115	0.69 ug/L	91
70) n-Propylbenzene	15.92	91	39283	0.87 ug/L	96
71) Bromobenzene	15.97	156	9454	0.90 ug/L	93
72) 1,1,2,2-Tetrachloroethane	15.99	83	9362	0.90 ug/L	95
73) 1,3,5-Trimethylbenzene	16.11	105	27629	0.86 ug/L	96
74) 2-Chlorotoluene	16.14	91	28879	0.90 ug/L	96
75) trans-1,4-Dichloro-2-Buten	16.18	53	2323	0.85 ug/L #	76
76) 1,2,3-Trichloropropane	16.18	110	2723	0.86 ug/L	88
77) Cyclohexanone	16.27	55	1454	4.21 ug/L #	80
78) 4-Chlorotoluene	16.32	91	24924	0.84 ug/L	98
79) tert-Butylbenzene	16.48	91	15080	0.81 ug/L	90
80) 1,2,4-Trimethylbenzene	16.55	105	29897	0.89 ug/L	98
81) sec-Butylbenzene	16.68	105	33492	0.82 ug/L	94
82) 4-Isopropyltoluene	16.80	119	27416	0.85 ug/L	96
83) 1,3-Dichlorobenzene	16.99	146	17439	0.92 ug/L	95
84) 1,4-Dichlorobenzene	17.07	146	17190m	0.91 ug/L	
85) n-Butylbenzene	17.28	92	17721	0.88 ug/L	94
86) Benzyl Chloride	17.32	126	3331	0.79 ug/L	93
87) 1,2-Dichlorobenzene	17.55	146	17568	0.94 ug/L	90
88) 1,2-Dibromo-3-Chloropropan	18.39	75	2205	0.97 ug/L	81
89) Hexachlorobutadiene	19.04	225	7027	0.94 ug/L	91
90) 1,2,4-Trichlorobenzene	19.12	180	15769	1.01 ug/L	98

(#) = qualifier out of range (m) = manual integration
N0017063.D 8260N.M Tue Feb 13 09:41:21 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28:16 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

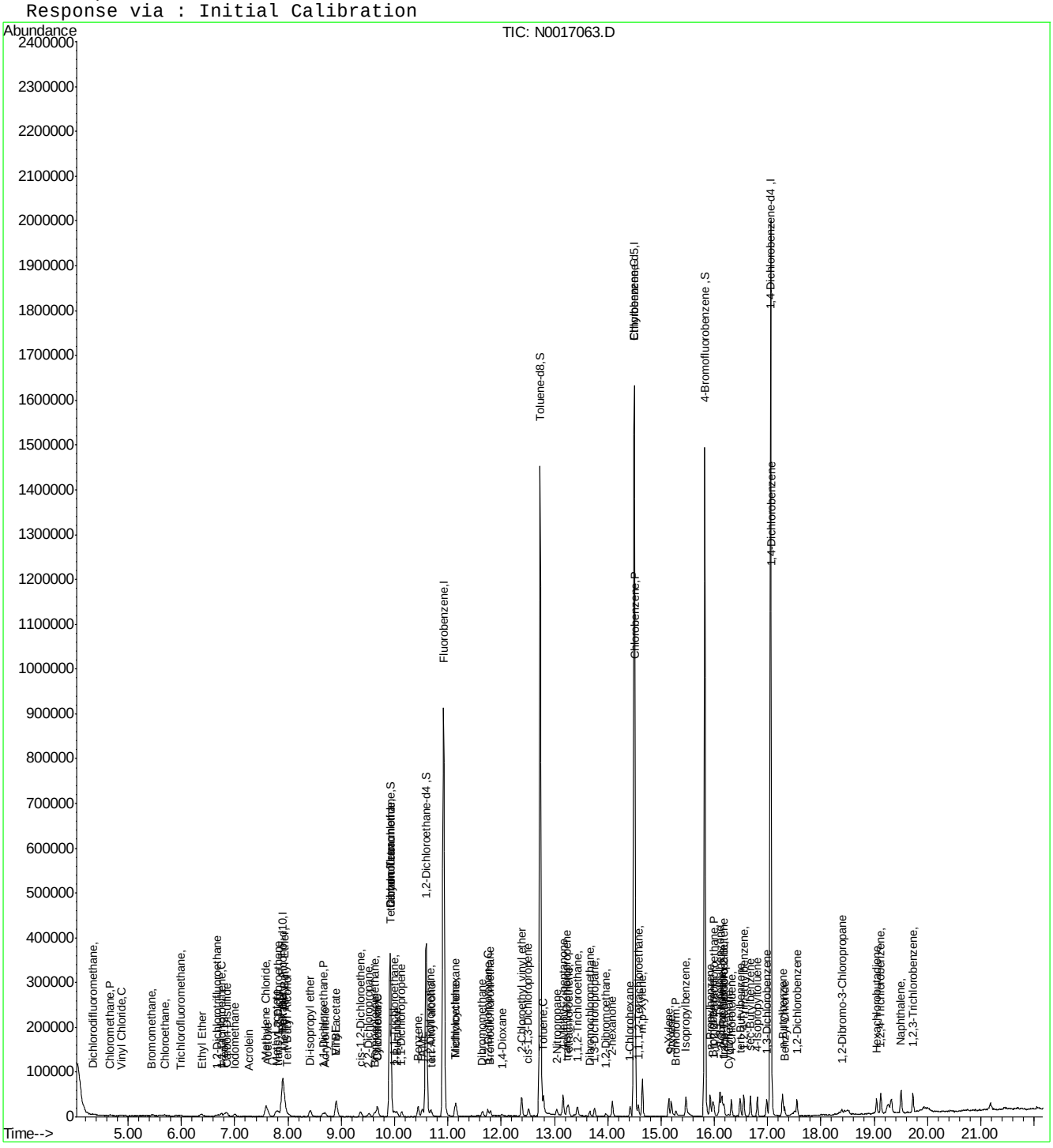
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
91)	Naphthalene	19.50	128	46551	1.28	ug/L		92
92)	1,2,3-Trichlorobenzene	19.72	180	16080	1.07	ug/L		91
94)	Acrolein	7.26	56	1584m	14.41	ug/L		
95)	Tert Butyl Alcohol	7.99	59	7585m	9.19	ug/L		
96)	tert Amyl alcohol	10.70	59	5087	8.06	ug/L		96
97)	1,4-Dioxane	12.02	88	2377	24.85	ug/L	#	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed
N0017063.D 8260N.M Tue Feb 13 09:41:21 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:32 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration

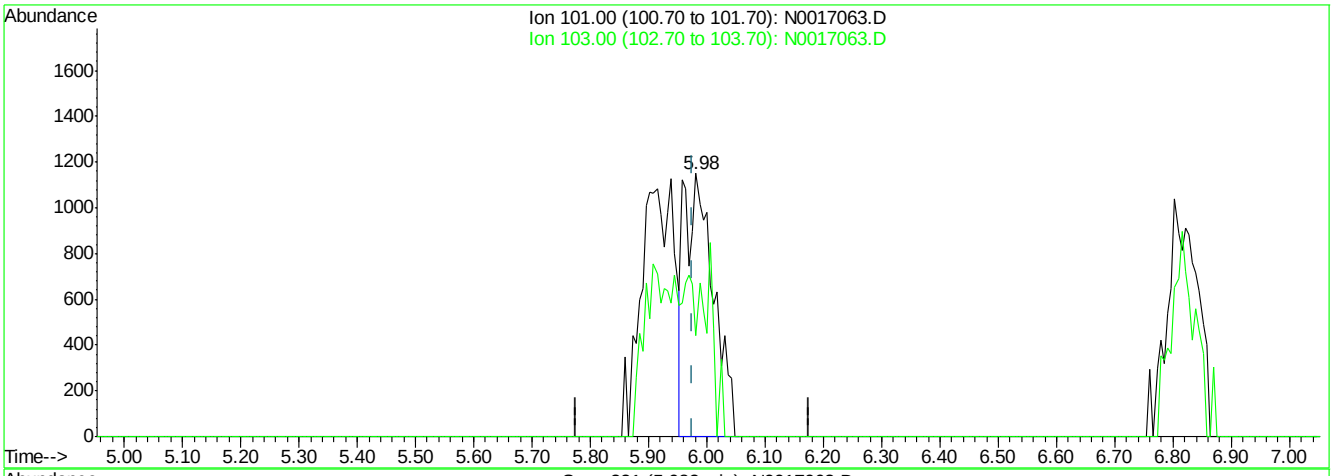


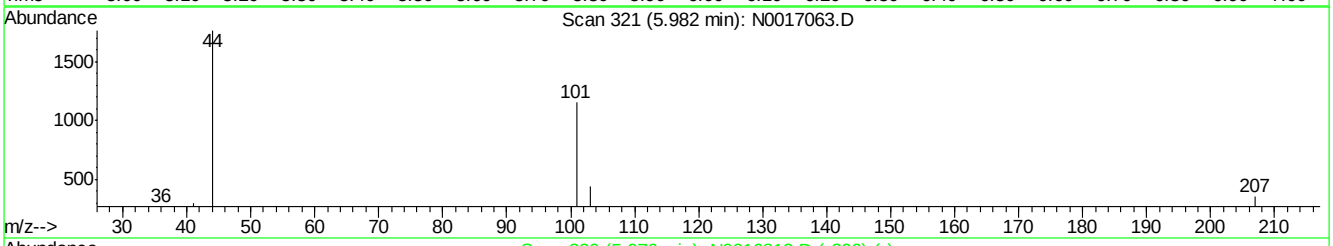
ACCUTEST Laboratories F47081

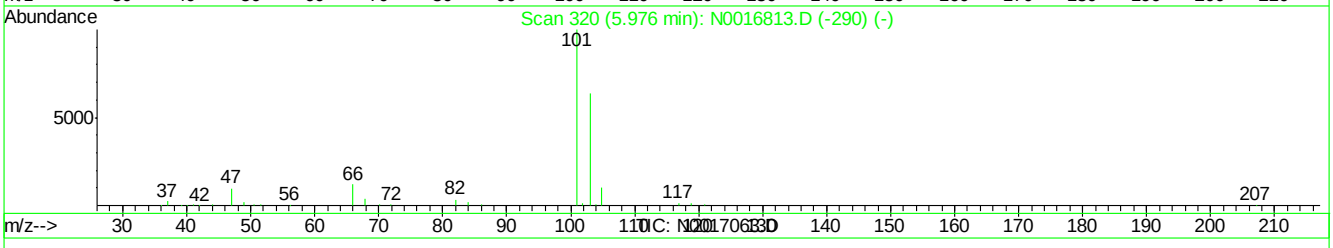
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(7) Trichlorofluoromethane ( )

5.98min (+0.006) 0.50ug/L

response 4047

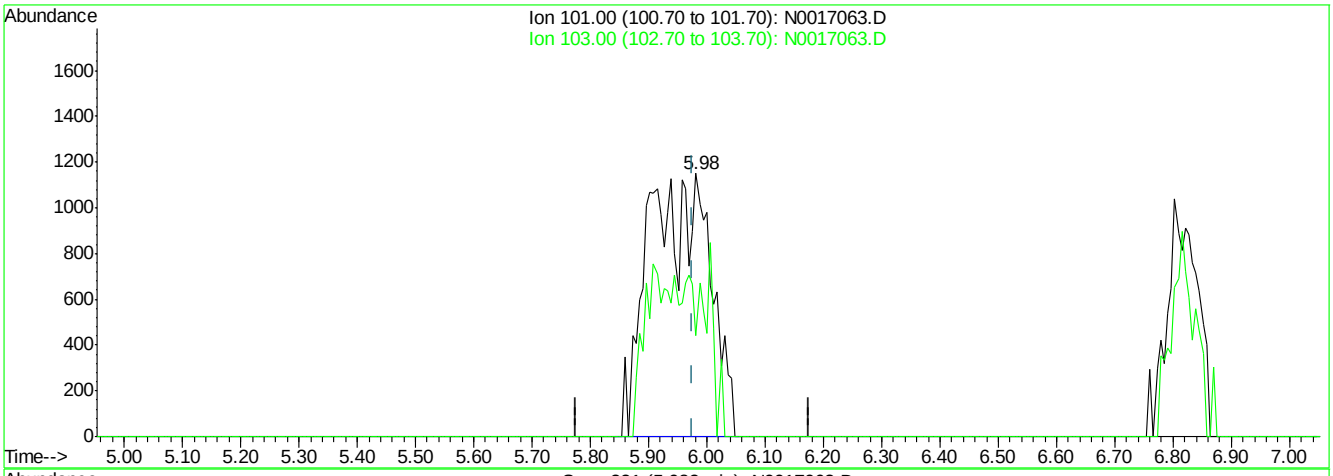
Ion	Exp%	Act%
101.00	100	100
103.00	63.90	38.40
0.00	0.00	0.00
0.00	0.00	0.00

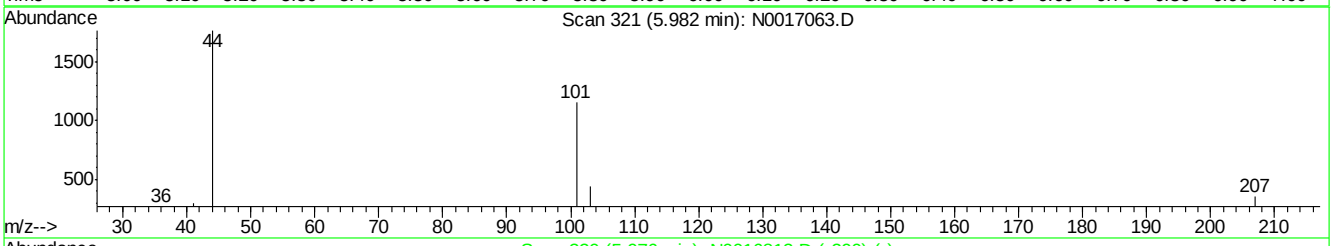
N0017063.D 8260N.M Mon Feb 12 13:29:55 2007

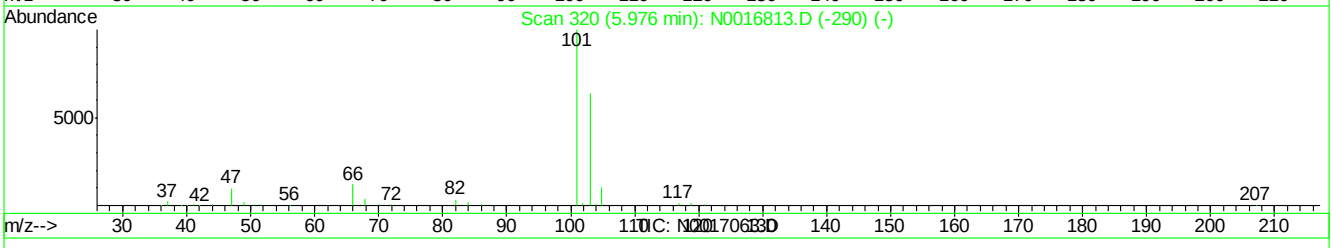
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:29 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(7) Trichlorofluoromethane ( )

5.98min (+0.006) 1.05ug/L m

response 8432

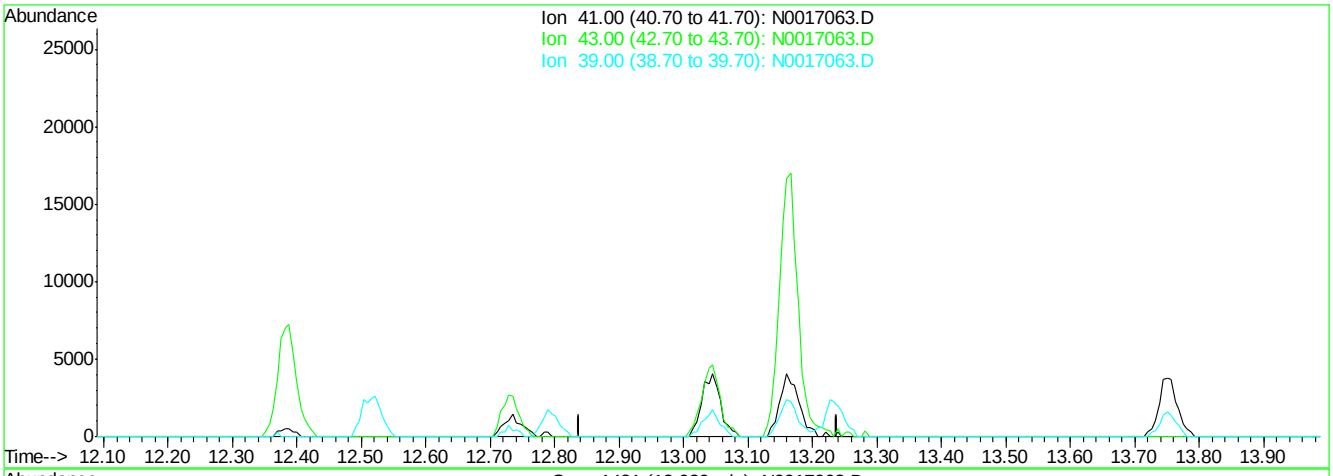
Ion	Exp%	Act%
101.00	100	100
103.00	63.90	38.40
0.00	0.00	0.00
0.00	0.00	0.00

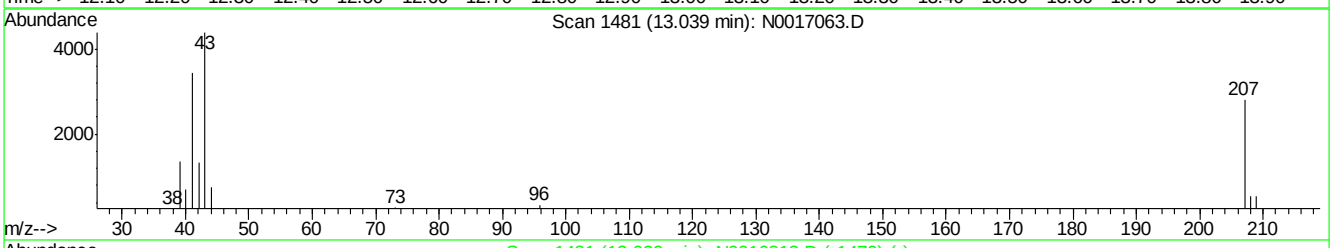
N0017063.D 8260N.M Mon Feb 12 13:30:01 2007

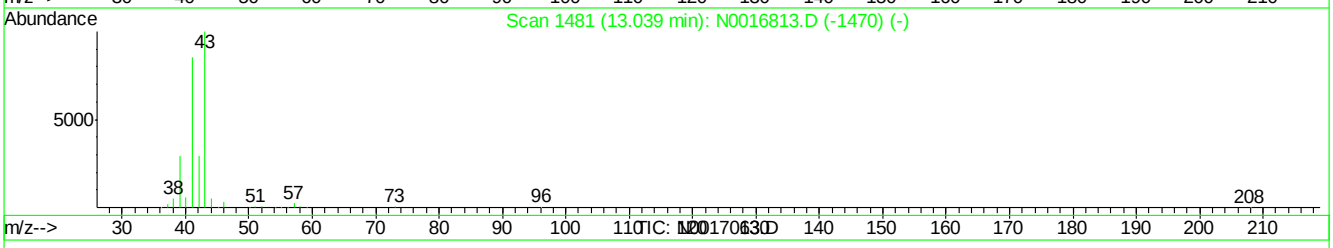
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:29 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(50) 2-Nitropropane

13.04min (-13.038) 0.00ug/L

response 0

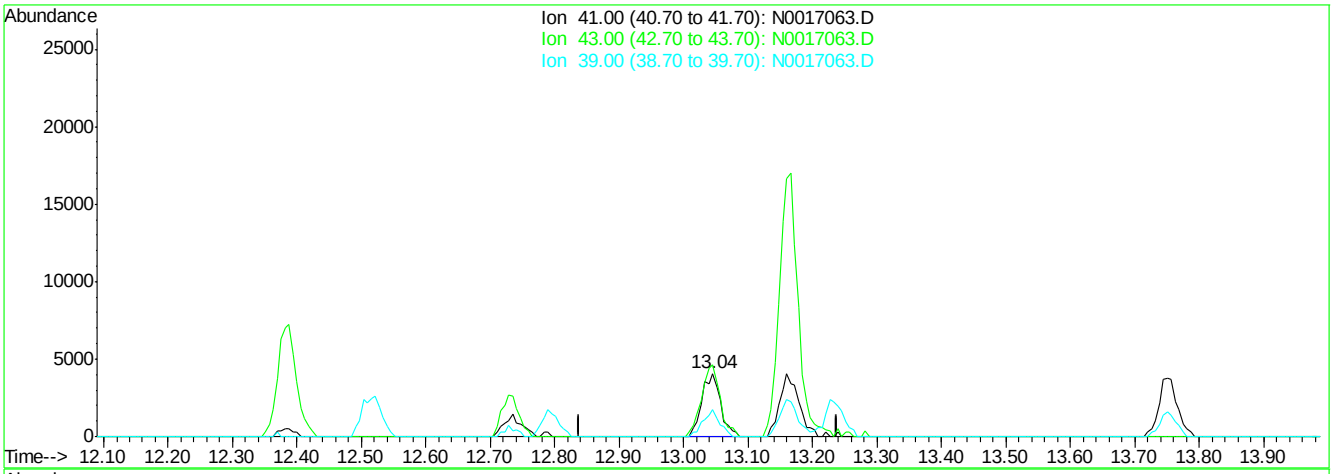
Ion	Exp%	Act%
41.00	100	0.00
43.00	116.90	0.00#
39.00	34.50	0.00#
0.00	0.00	0.00

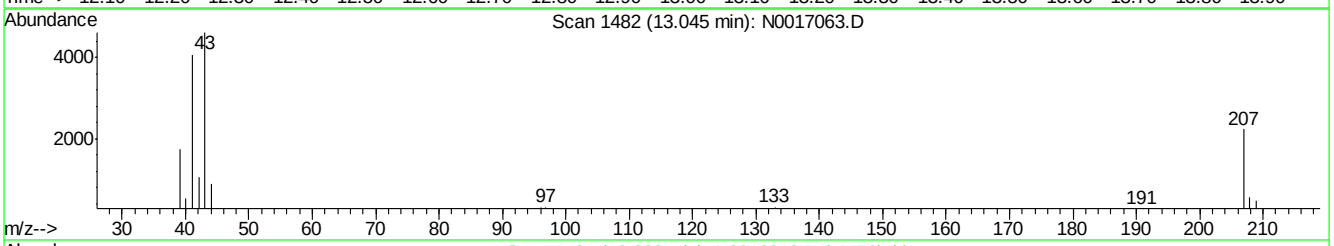
N0017063.D 8260N.M Mon Feb 12 13:30:44 2007

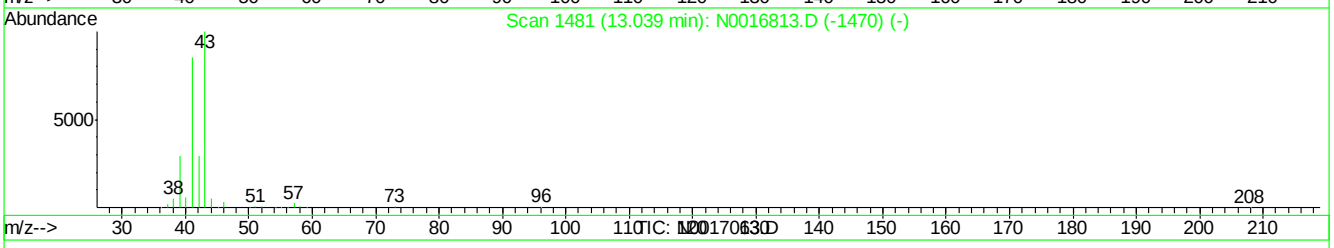
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:30 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(50) 2-Nitropropane

13.04min (+0.007) 3.04ug/L m

response 8234

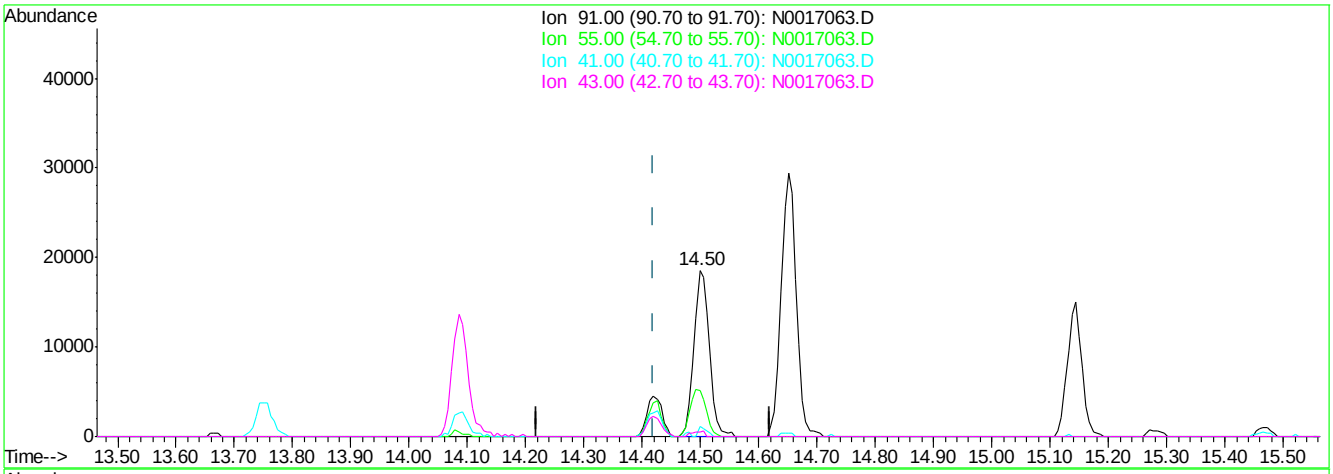
Ion	Exp%	Act%
41.00	100	100
43.00	116.90	113.72
39.00	34.50	43.03
0.00	0.00	0.00

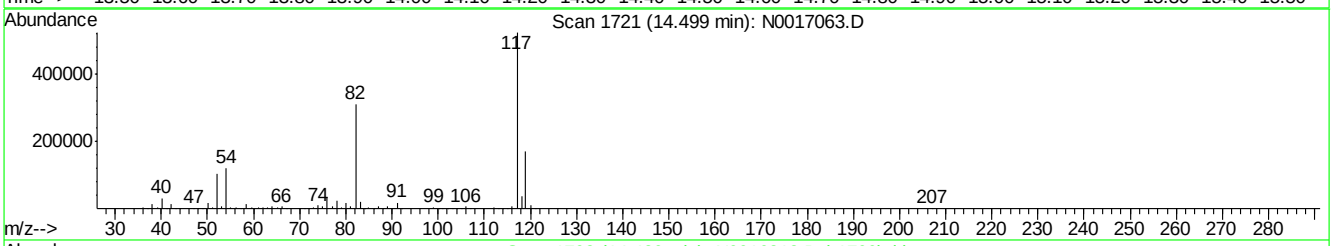
N0017063.D 8260N.M Mon Feb 12 13:30:52 2007

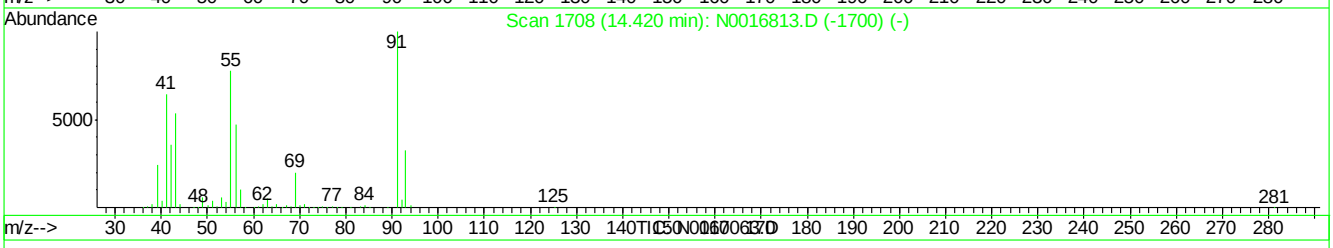
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:30 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(59) 1-Chlorohexane

14.50min (+0.080) 2.78ug/L

response 33820

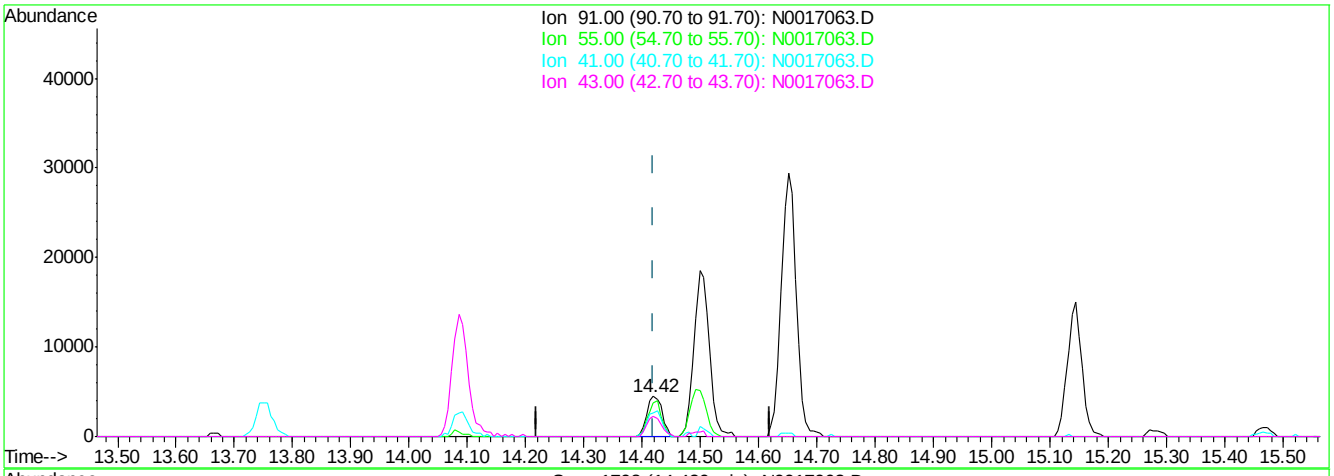
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	27.52#
41.00	64.40	5.95#
43.00	53.40	2.46#

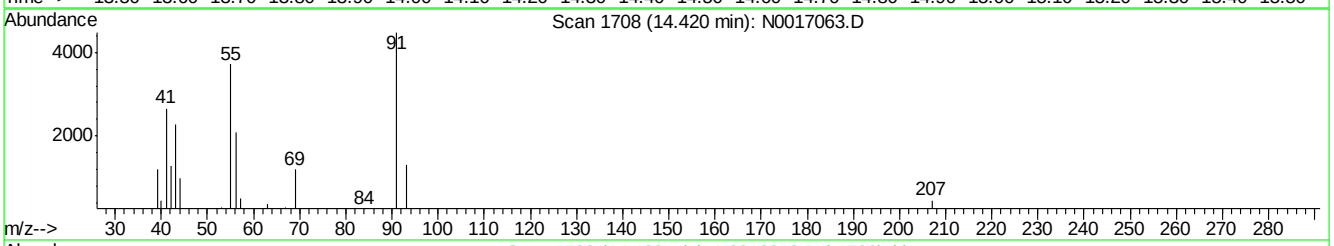
N0017063.D 8260N.M Mon Feb 12 13:31:12 2007

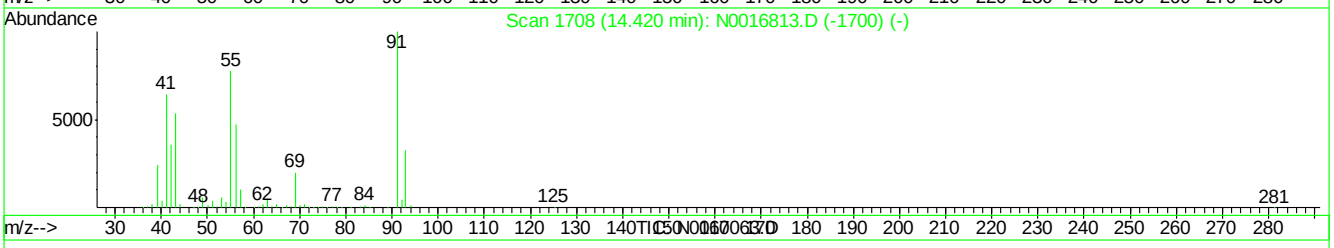
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:31 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(59) 1-Chlorohexane

14.42min (+0.001) 0.67ug/L m

response 8117

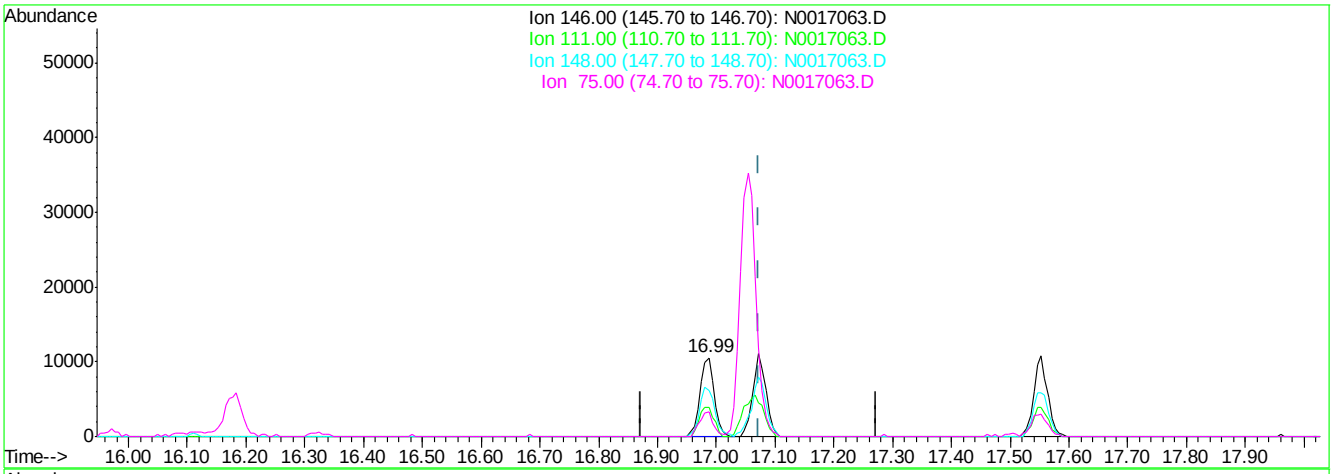
Ion	Exp%	Act%
91.00	100	100
55.00	77.50	83.10
41.00	64.40	59.32
43.00	53.40	51.05

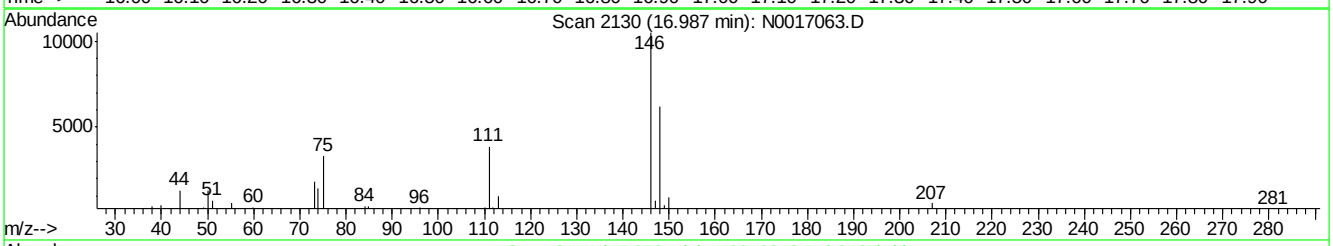
N0017063.D 8260N.M Mon Feb 12 13:31:23 2007

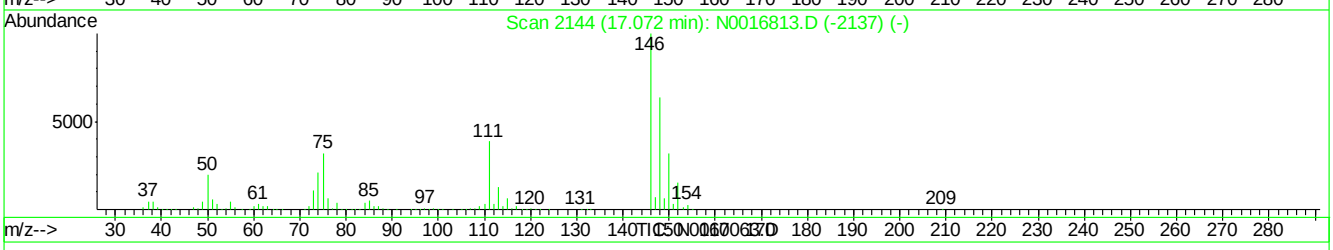
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:31 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(84) 1,4-Dichlorobenzene

16.99min (-0.085) 0.93ug/L

response 17439

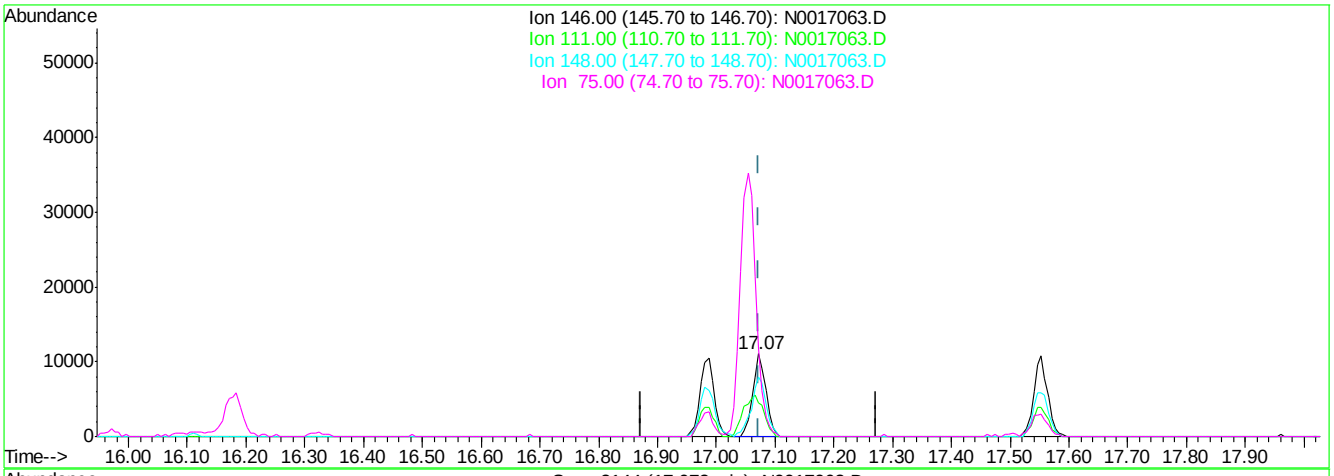
Ion	Exp%	Act%
146.00	100	100
111.00	38.90	36.85
148.00	63.80	58.76
75.00	32.80	31.33

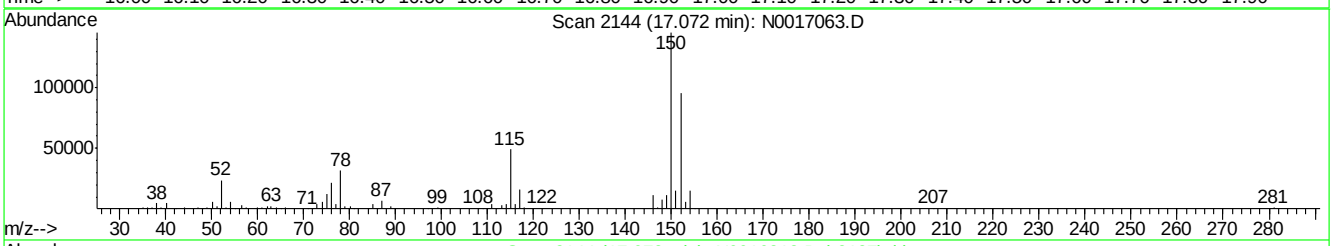
N0017063.D 8260N.M Mon Feb 12 13:32:01 2007

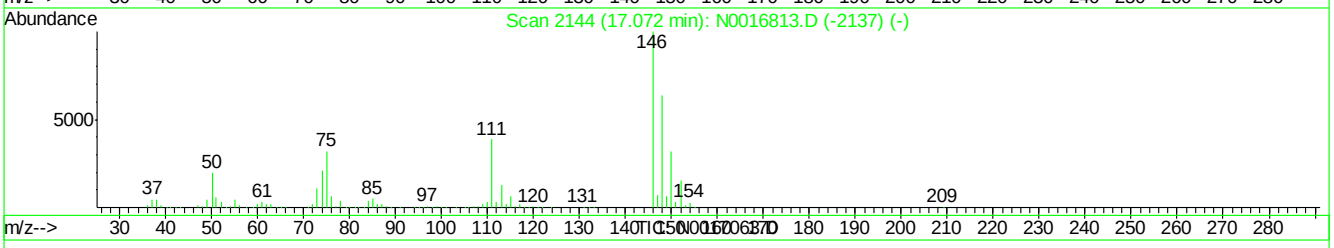
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:32 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(84) 1,4-Dichlorobenzene

17.07min (-0.000) 0.91ug/L m

response 17190

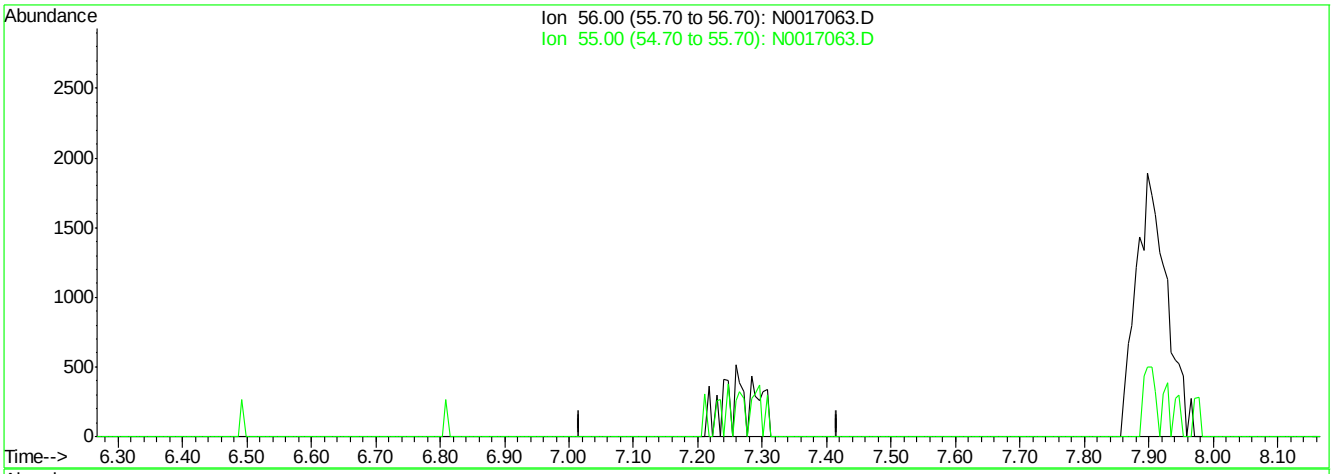
Ion	Exp%	Act%
146.00	100	100
111.00	38.90	40.49
148.00	63.80	72.27
75.00	32.80	107.59#

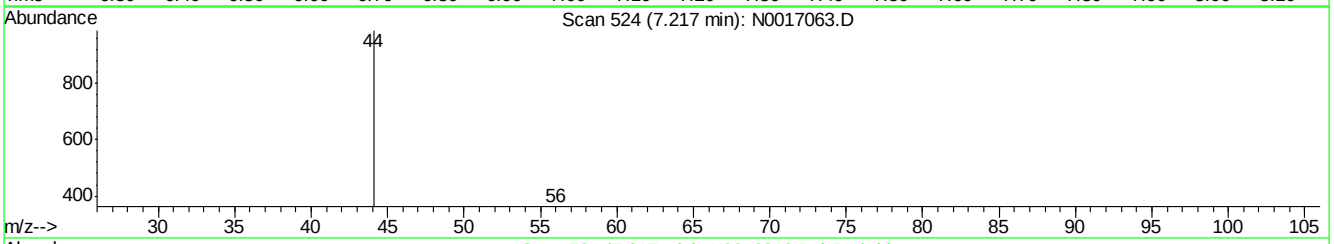
N0017063.D 8260N.M Mon Feb 12 13:32:07 2007

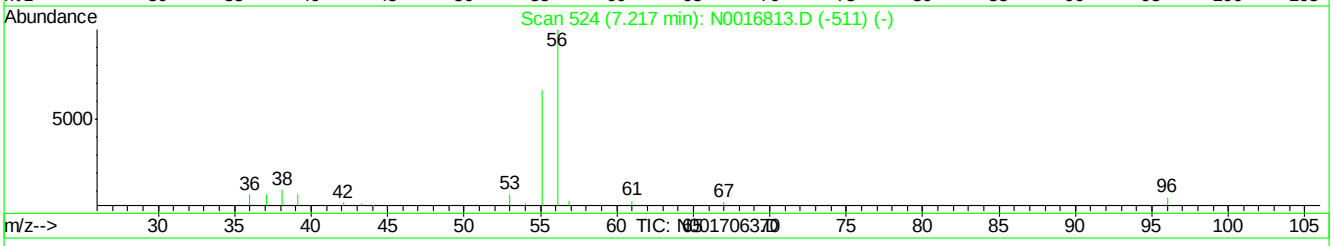
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:32 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(94) Acrolein

7.22min (-7.216) 0.00ug/L

response 0

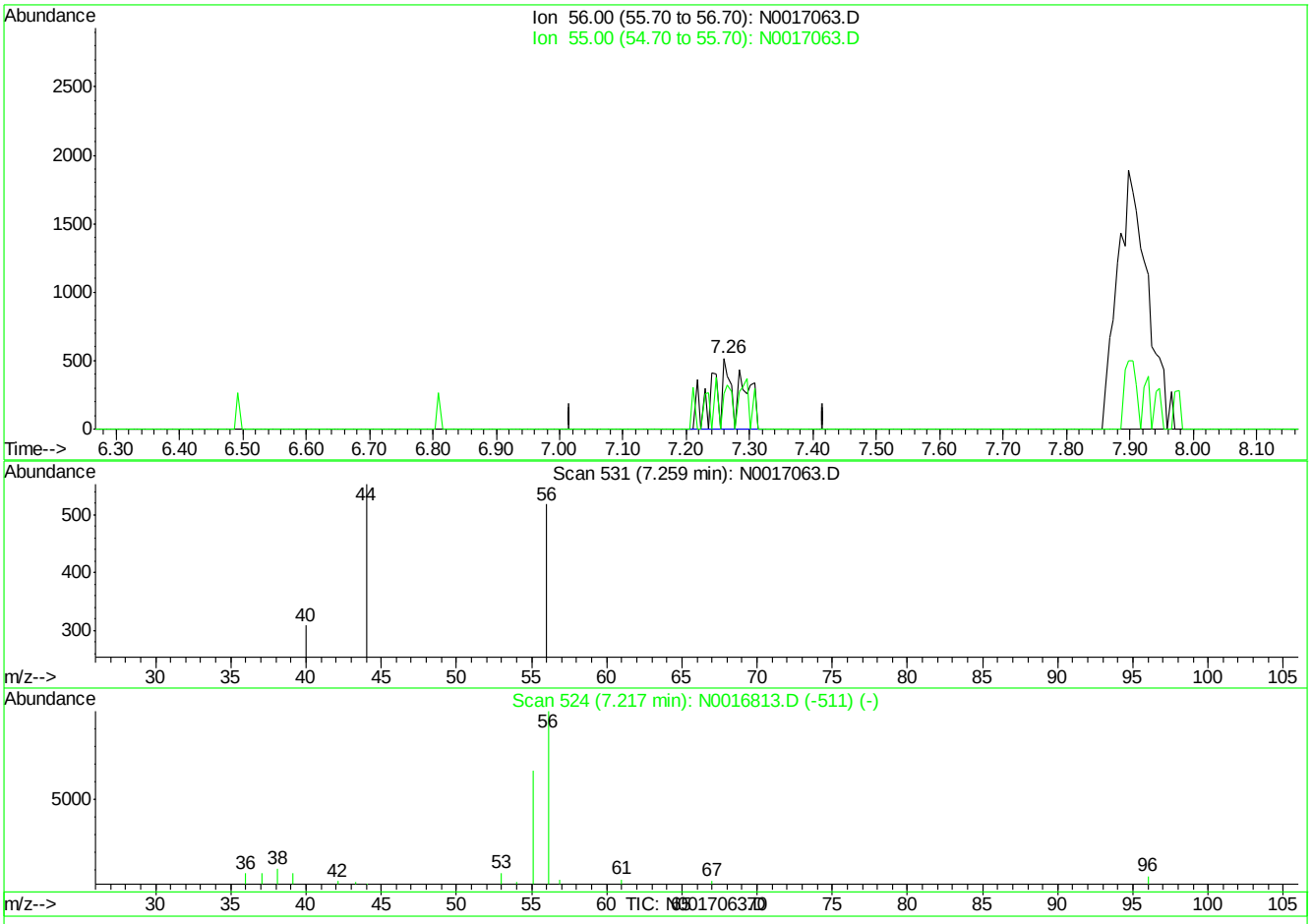
Ion	Exp%	Act%
56.00	100	0.00
55.00	66.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

N0017063.D 8260N.M Mon Feb 12 13:32:24 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:32 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration



(94) Acrolein

7.26min (+0.043) 14.41ug/L m

response 1584

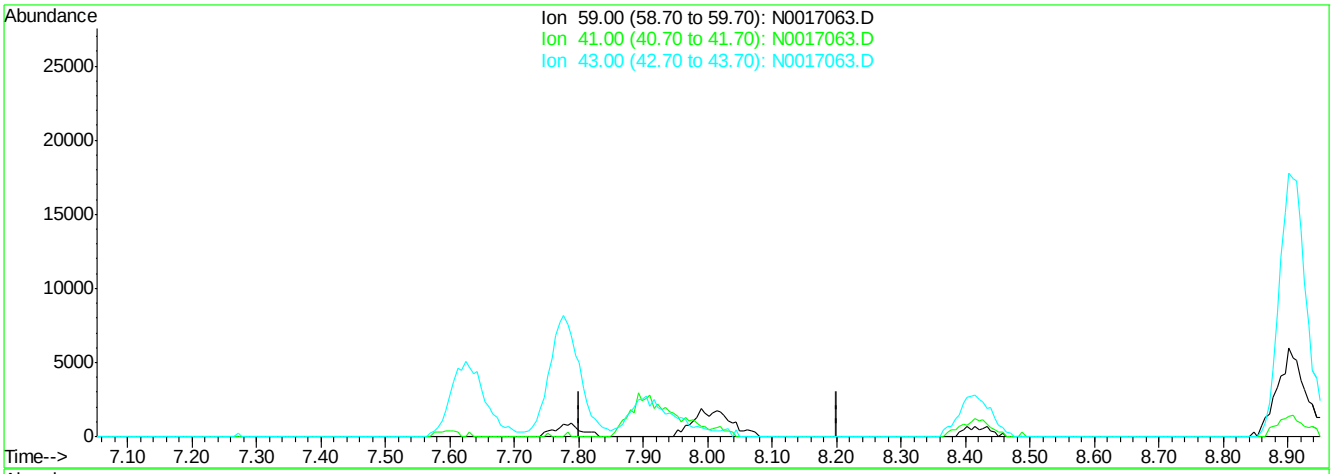
Ion	Exp%	Act%
56.00	100	100
55.00	66.40	49.03
0.00	0.00	0.00
0.00	0.00	0.00

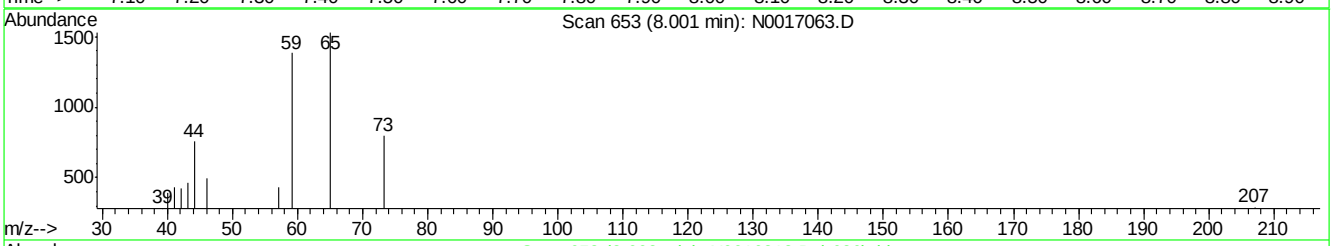
N0017063.D 8260N.M Mon Feb 12 13:32:31 2007

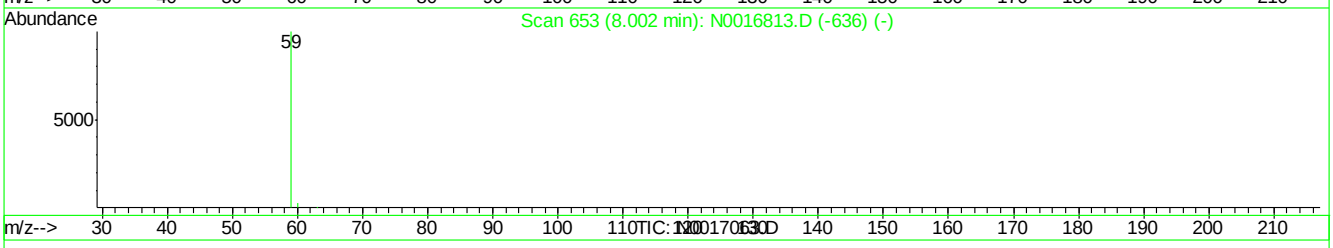
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:32 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(95) Tert Butyl Alcohol

8.00min (-8.002) 0.00ug/L

response 0

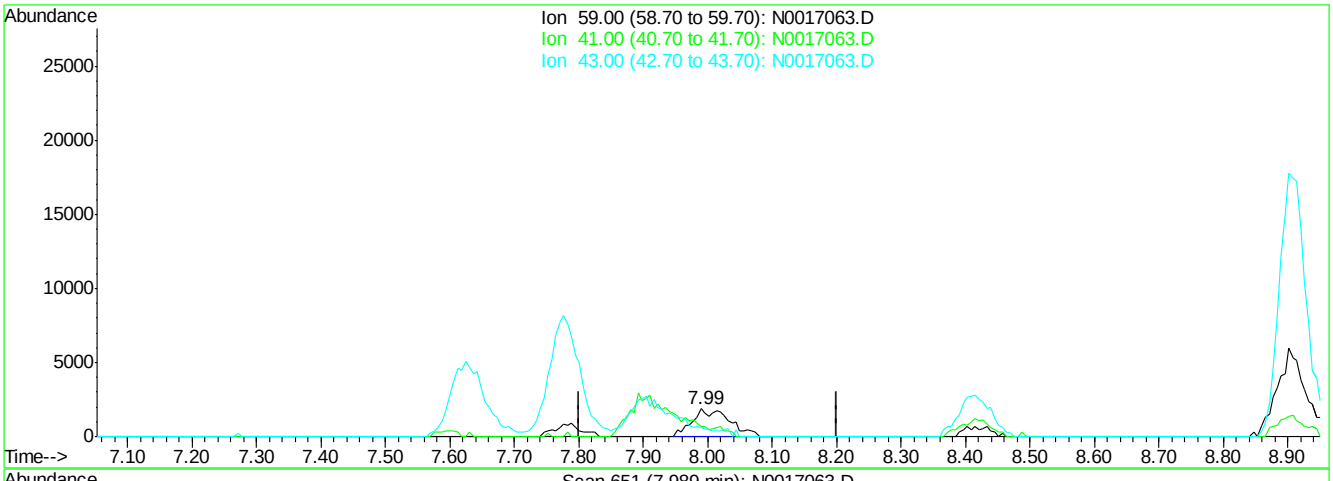
Ion	Exp%	Act%
59.00	100	0.00
41.00	27.30	0.00#
43.00	19.70	0.00
0.00	0.00	0.00

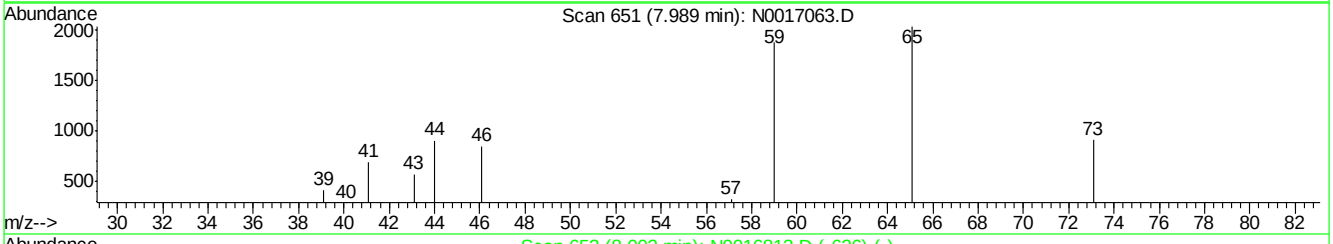
N0017063.D 8260N.M Mon Feb 12 13:32:35 2007

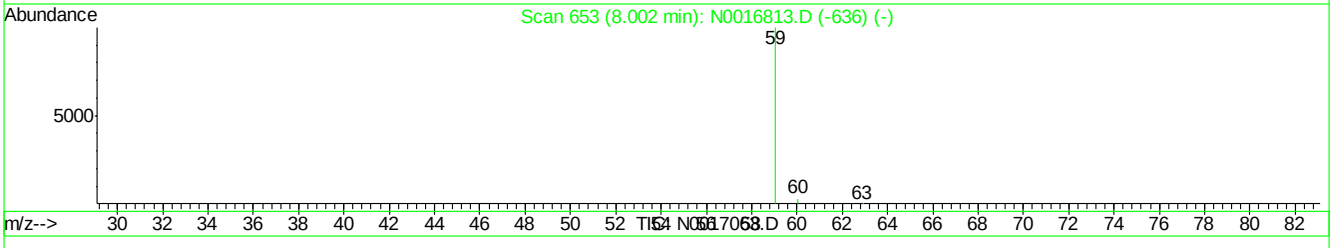
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017063.D Vial: 1
Acq On : 12 Feb 2007 11:30 am Operator: calvins
Sample : ic725-1 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:32 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(95) Tert Butyl Alcohol

7.99min (-0.012) 9.19ug/L m

response 7585

Ion	Exp%	Act%
59.00	100	100
41.00	27.30	36.95
43.00	19.70	30.57
0.00	0.00	0.00

N0017063.D 8260N.M Mon Feb 12 13:32:40 2007

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
02/13/07 13:43

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017064.D Vial: 2
Acq On : 12 Feb 2007 11:58 am Operator: calvins
Sample : ic725-2 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28:18 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	1063860	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.50	117	980583	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	565271	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	177226	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	295007	55.20	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 110.40%			
38) 1,2-Dichloroethane-d4	10.59	65	376633	51.30	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 102.60%			
48) Toluene-d8	12.73	98	1155491	41.61	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 83.22%#			
69) 4-Bromofluorobenzene	15.82	95	568300	48.36	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 96.72%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.34	85	28391	4.33	ug/L	99
3) Chloromethane	4.67	50	27504	4.71	ug/L	94
4) Vinyl Chloride	4.88	62	24045	4.37	ug/L	97
5) Bromomethane	5.47	94	16430	6.47	ug/L	94
6) Chloroethane	5.68	64	14171	5.37	ug/L	84
7) Trichlorofluoromethane	5.97	101	42620	5.24	ug/L	90
8) Ethyl Ether	6.36	59	22511	5.20	ug/L	83
9) 1,2-Dichlorotrifluoroethan	6.67	67	28235	5.73	ug/L	94
10) 1,1-Dichloroethene	6.74	61	42703	5.30	ug/L	98
11) Freon 113	6.81	101	28910	6.45	ug/L	90
12) Carbon Disulfide	6.85	76	104651	6.64	ug/L	89
13) Iodomethane	6.99	142	55979	5.43	ug/L	98
14) Methylene Chloride	7.58	49	59554	6.38	ug/L	92
15) Acetone	7.62	43	74781	27.83	ug/L	99
16) Methyl acetate	7.77	43	131901	25.94	ug/L	93
17) trans-1,2-Dichloroethene	7.81	61	50149	5.33	ug/L	93
18) Hexane	7.90	56	30379	5.04	ug/L	94
19) Methyl Tert Butyl Ether	7.93	73	110378	5.94	ug/L	96
20) Di-isopropyl ether	8.41	45	109139	4.86	ug/L	96
21) 1,1-Dichloroethane	8.65	63	60880	5.59	ug/L	97
22) Acrylonitrile	8.69	53	60991	26.35	ug/L	95
23) ETBE	8.90	59	95916	5.25	ug/L	95
24) Vinyl acetate	8.90	43	291550	48.97	ug/L	99
25) cis-1,2-Dichloroethene	9.36	96	39271	5.93	ug/L	91
26) 2,2-Dichloropropane	9.52	77	49480	5.55	ug/L	92
27) Bromochloromethane	9.63	128	19512	5.85	ug/L #	82
28) Cyclohexane	9.67	56	48557	4.83	ug/L	87
29) Chloroform	9.68	83	65531	5.82	ug/L	98
30) Tetrahydrofuran	9.92	42	11870	5.43	ug/L	98
32) Carbon Tetrachloride	9.92	117	42962	4.64	ug/L	97
33) 1,1,1-Trichloroethane	9.99	97	53013	5.59	ug/L	97
34) 2-Butanone	10.04	43	98207	27.16	ug/L	93
35) 1,1-Dichloropropene	10.13	75	44422	5.38	ug/L	93
36) Benzene	10.44	78	137327	5.76	ug/L	93

(#) = qualifier out of range (m) = manual integration
N0017064.D 8260N.M Tue Feb 13 09:41:24 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017064.D Vial: 2
Acq On : 12 Feb 2007 11:58 am Operator: calvins
Sample : ic725-2 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28:18 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
37) TAME	10.52	73	97595	5.62 ug/L	95
39) 1,2-Dichloroethane	10.67	62	54698	5.55 ug/L	97
40) Trichloroethene	11.13	95	34100	5.56 ug/L	96
41) Methylcyclohexane	11.15	83	50351	5.33 ug/L	90
42) Dibromomethane	11.65	93	23106	5.92 ug/L	92
43) 1,2-Dichloropropane	11.74	63	34327	5.55 ug/L	94
44) Bromodichloromethane	11.80	83	51640	5.67 ug/L	95
45) 2-Chloroethyl vinyl ether	12.38	63	113759	28.29 ug/L	92
46) cis-1,3-Dichloropropene	12.52	75	58475	5.70 ug/L	92
49) Toluene	12.80	91	148552	4.29 ug/L	100
50) 2-Nitropropane	13.04	41	44289	16.40 ug/L	99
51) 4-Methyl-2-pentanone	13.16	43	188668	20.23 ug/L	98
52) trans-1,3-Dichloropropene	13.23	75	55229	4.41 ug/L	95
53) Tetrachloroethene	13.26	166	36246	3.72 ug/L	95
54) 1,1,2-Trichloroethane	13.43	83	29406	4.37 ug/L	97
55) Dibromochloromethane	13.66	129	37644	3.73 ug/L	99
56) 1,3-Dichloropropane	13.75	76	60217	4.35 ug/L	93
57) 1,2-Dibromoethane	13.96	107	36897	3.94 ug/L	100
58) 2-hexanone	14.09	43	134726	19.43 ug/L	94
59) 1-Chlorohexane	14.42	91	42955	3.53 ug/L	88
60) Ethylbenzene	14.50	91	167033	4.49 ug/L	100
61) Chlorobenzene	14.52	112	96257	4.56 ug/L	95
62) 1,1,1,2-Tetrachloroethane	14.57	131	34560	3.97 ug/L	92
63) m,p-Xylene	14.65	91	262242	8.85 ug/L	97
64) o-Xylene	15.14	91	135285	3.90 ug/L	97
65) Styrene	15.19	104	103007	4.09 ug/L	97
66) Bromoform	15.28	173	26100	4.24 ug/L	98
67) Isopropylbenzene	15.47	105	138707	3.66 ug/L	98
70) n-Propylbenzene	15.92	91	192009	4.21 ug/L	98
71) Bromobenzene	15.97	156	46180	4.37 ug/L	96
72) 1,1,2,2-Tetrachloroethane	15.99	83	47089	4.53 ug/L	99
73) 1,3,5-Trimethylbenzene	16.10	105	133152	4.14 ug/L	92
74) 2-Chlorotoluene	16.14	91	139418	4.35 ug/L	98
75) trans-1,4-Dichloro-2-Buten	16.18	53	12765	4.63 ug/L #	89
76) 1,2,3-Trichloropropane	16.18	110	15364	4.80 ug/L	94
77) Cyclohexanone	16.26	55	5250	15.14 ug/L	84
78) 4-Chlorotoluene	16.32	91	126552	4.26 ug/L	97
79) tert-Butylbenzene	16.48	91	77517	4.13 ug/L	98
80) 1,2,4-Trimethylbenzene	16.55	105	141736	4.20 ug/L	95
81) sec-Butylbenzene	16.68	105	168222	4.11 ug/L	100
82) 4-Isopropyltoluene	16.80	119	133901	4.15 ug/L	99
83) 1,3-Dichlorobenzene	16.98	146	84595	4.46 ug/L	98
84) 1,4-Dichlorobenzene	17.07	146	81975	4.33 ug/L	91
85) n-Butylbenzene	17.28	92	80454	3.96 ug/L	97
86) Benzyl Chloride	17.32	126	18289	4.30 ug/L #	84
87) 1,2-Dichlorobenzene	17.55	146	80239	4.28 ug/L	97
88) 1,2-Dibromo-3-Chloropropan	18.39	75	9412	4.14 ug/L	95
89) Hexachlorobutadiene	19.04	225	26763	3.58 ug/L	96
90) 1,2,4-Trichlorobenzene	19.12	180	62765	4.02 ug/L	98

(#) = qualifier out of range (m) = manual integration
N0017064.D 8260N.M Tue Feb 13 09:41:25 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017064.D Vial: 2
Acq On : 12 Feb 2007 11:58 am Operator: calvins
Sample : ic725-2 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28:18 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

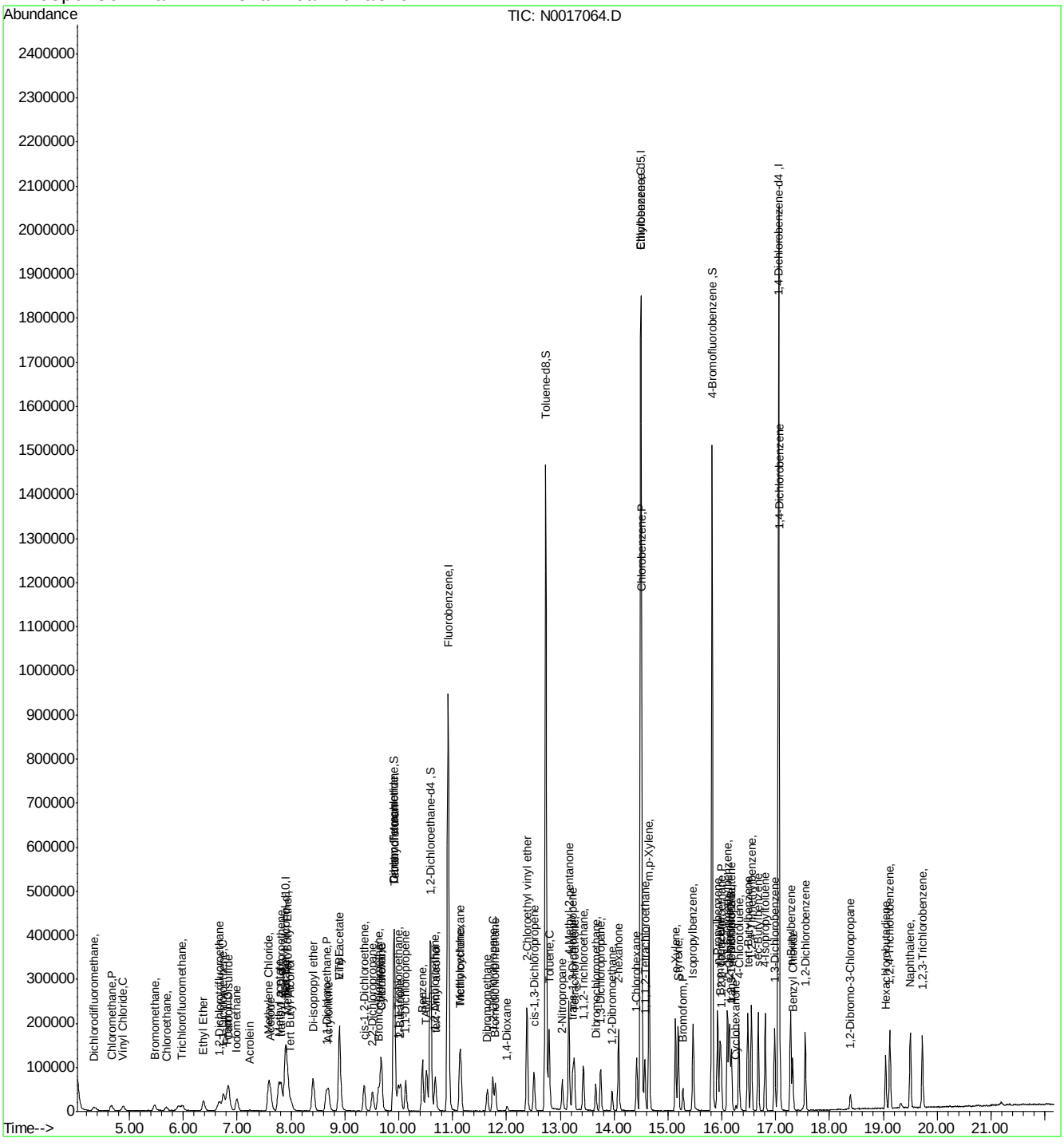
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	19.50	128	151137	4.13	ug/L	100
92)	1,2,3-Trichlorobenzene	19.72	180	58898	3.90	ug/L	96
94)	Acrolein	7.22	56	4539m	37.61	ug/L	
95)	Tert Butyl Alcohol	8.00	59	37946	41.89	ug/L	74
96)	tert Amyl alcohol	10.69	59	26818	38.69	ug/L	91
97)	1,4-Dioxane	12.01	88	8644	82.31	ug/L	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed
N0017064.D 8260N.M Tue Feb 13 09:41:25 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017064.D Vial: 2
Acq On : 12 Feb 2007 11:58 am Operator: calvins
Sample : ic725-2 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:33 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration

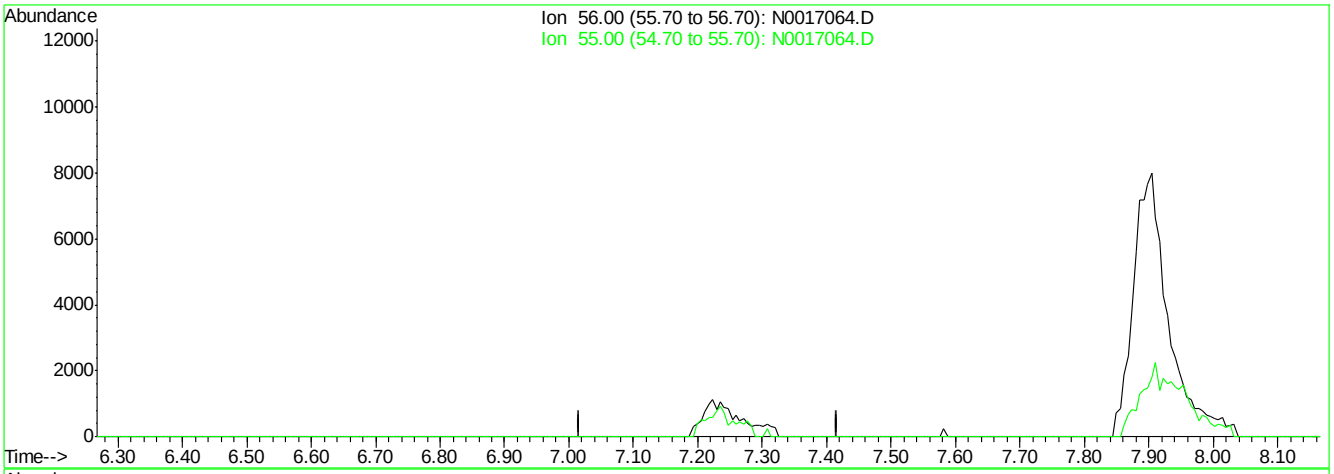


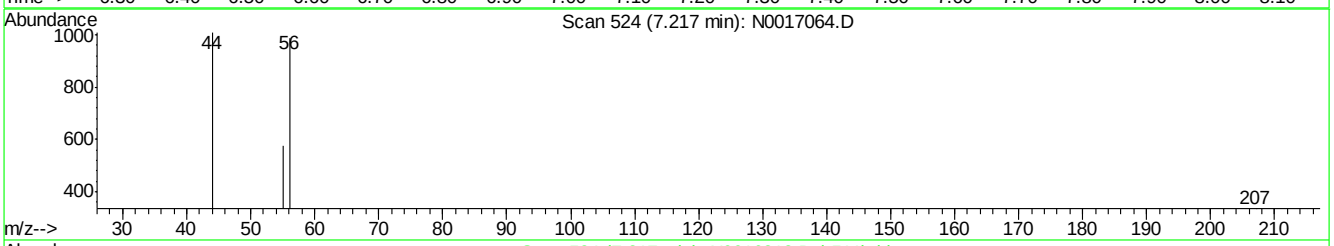
ACCUTEST Laboratories F47081

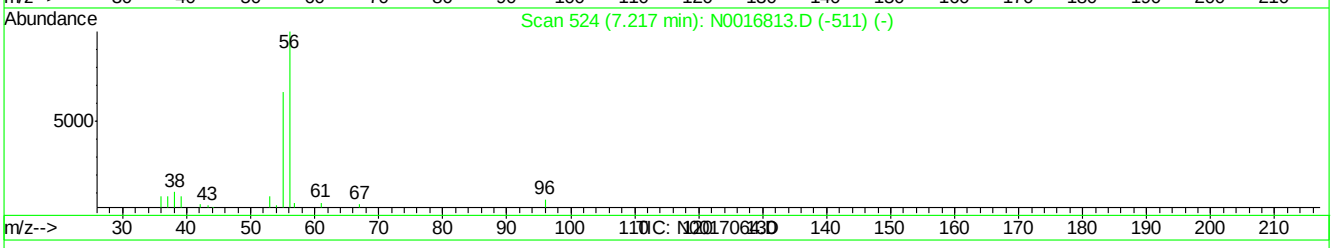
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017064.D Vial: 2
Acq On : 12 Feb 2007 11:58 am Operator: calvins
Sample : ic725-2 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(94) Acrolein

7.22min (-7.216) 0.00ug/L

response 0

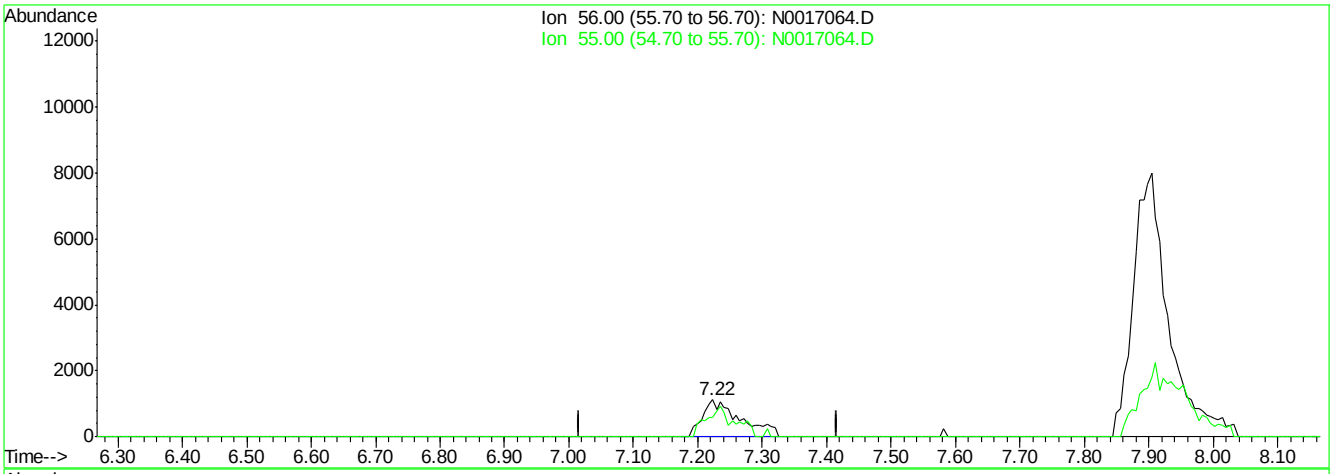
Ion	Exp%	Act%
56.00	100	0.00
55.00	66.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

N0017064.D 8260N.M Mon Feb 12 13:33:54 2007

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017064.D Vial: 2
Acq On : 12 Feb 2007 11:58 am Operator: calvins
Sample : ic725-2 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:33 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration



(94) Acrolein

7.22min (+0.007) 37.61ug/L m

response 4539

Ion	Exp%	Act%
56.00	100	100
55.00	66.40	51.83
0.00	0.00	0.00
0.00	0.00	0.00

N0017064.D 8260N.M Mon Feb 12 13:33:59 2007

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
02/13/07 13:43

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017065.D Vial: 3
Acq On : 12 Feb 2007 12:26 pm Operator: calvins
Sample : ic725-3 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28:20 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	1069108	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.50	117	946781	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	550966	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	175590	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.92	113	289618	53.92	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 107.84%			
38) 1,2-Dichloroethane-d4	10.59	65	365371	49.52	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 99.04%			
48) Toluene-d8	12.73	98	1156515	43.14	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 86.28%			
69) 4-Bromofluorobenzene	15.82	95	562815	49.13	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 98.26%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.35	85	140866	21.39	ug/L	98
3) Chloromethane	4.67	50	124640	21.25	ug/L	99
4) Vinyl Chloride	4.89	62	121042	21.91	ug/L	97
5) Bromomethane	5.47	94	66979	26.26	ug/L	98
6) Chloroethane	5.68	64	68068	25.68	ug/L	95
7) Trichlorofluoromethane	5.91	101	213765	26.14	ug/L	98
8) Ethyl Ether	6.38	59	99454	22.85	ug/L	91
9) 1,2-Dichlorotrifluoroethan	6.67	67	148208	29.95	ug/L	96
10) 1,1-Dichloroethene	6.74	61	243162	30.02	ug/L	86
11) Freon 113	6.82	101	149960	33.32	ug/L	96
12) Carbon Disulfide	6.85	76	508368	32.11	ug/L	87
13) Iodomethane	6.99	142	251480	24.25	ug/L	99
14) Methylene Chloride	7.59	49	210532	22.45	ug/L	93
15) Acetone	7.62	43	363717	134.68	ug/L	96
16) Methyl acetate	7.78	43	538805	105.43	ug/L	94
17) trans-1,2-Dichloroethene	7.82	61	227975	24.12	ug/L	96
18) Hexane	7.90	56	140258	23.16	ug/L	96
19) Methyl Tert Butyl Ether	7.93	73	448528	24.00	ug/L	98
20) Di-isopropyl ether	8.41	45	493540	21.86	ug/L	97
21) 1,1-Dichloroethane	8.66	63	278556	25.47	ug/L	99
22) Acrylonitrile	8.70	53	249349	107.19	ug/L	98
23) ETBE	8.90	59	408519	22.27	ug/L	97
24) Vinyl acetate	8.90	43	1204301	201.28	ug/L	100
25) cis-1,2-Dichloroethene	9.36	96	173040	25.98	ug/L	93
26) 2,2-Dichloropropane	9.51	77	237595	26.53	ug/L	97
27) Bromochloromethane	9.63	128	84272	25.16	ug/L	89
28) Cyclohexane	9.67	56	241513	23.88	ug/L	91
29) Chloroform	9.68	83	286017	25.29	ug/L	97
30) Tetrahydrofuran	9.92	42	43600	19.86	ug/L	97
32) Carbon Tetrachloride	9.92	117	228410	24.57	ug/L	99
33) 1,1,1-Trichloroethane	10.00	97	247760	26.02	ug/L	98
34) 2-Butanone	10.03	43	440326	121.16	ug/L	95
35) 1,1-Dichloropropene	10.13	75	218352	26.34	ug/L	94
36) Benzene	10.44	78	618601	25.81	ug/L	94

(#) = qualifier out of range (m) = manual integration
N0017065.D 8260N.M Tue Feb 13 09:41:32 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017065.D Vial: 3
Acq On : 12 Feb 2007 12:26 pm Operator: calvins
Sample : ic725-3 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28:20 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	TAME	10.51	73	420633	24.12	ug/L		95
39)	1,2-Dichloroethane	10.67	62	230408	23.27	ug/L		98
40)	Trichloroethene	11.13	95	159050	25.82	ug/L		98
41)	Methylcyclohexane	11.15	83	249368	26.27	ug/L		95
42)	Dibromomethane	11.65	93	97666	24.90	ug/L		97
43)	1,2-Dichloropropane	11.75	63	150967	24.31	ug/L		96
44)	Bromodichloromethane	11.80	83	232131	25.34	ug/L		98
45)	2-Chloroethyl vinyl ether	12.38	63	488019	120.77	ug/L		92
46)	cis-1,3-Dichloropropene	12.51	75	264536	25.66	ug/L		94
49)	Toluene	12.79	91	668991	20.03	ug/L		98
50)	2-Nitropropane	13.04	41	201193	77.14	ug/L		98
51)	4-Methyl-2-pentanone	13.15	43	776595	86.22	ug/L		99
52)	trans-1,3-Dichloropropene	13.23	75	240260	19.85	ug/L		93
53)	Tetrachloroethene	13.26	166	167691	17.83	ug/L		99
54)	1,1,2-Trichloroethane	13.43	83	121322	18.69	ug/L		97
55)	Dibromochloromethane	13.66	129	165225	16.96	ug/L		100
56)	1,3-Dichloropropane	13.75	76	258511	19.35	ug/L		92
57)	1,2-Dibromoethane	13.96	107	153490	16.98	ug/L		100
58)	2-hexanone	14.08	43	621611	92.86	ug/L		97
59)	1-Chlorohexane	14.42	91	216208	18.42	ug/L		90
60)	Ethylbenzene	14.50	91	724961	20.18	ug/L		99
61)	Chlorobenzene	14.52	112	418652	20.55	ug/L		96
62)	1,1,1,2-Tetrachloroethane	14.57	131	148879	17.71	ug/L		97
63)	m,p-Xylene	14.65	91	1178497	41.18	ug/L		99
64)	o-Xylene	15.14	91	606661	18.10	ug/L		97
65)	Styrene	15.19	104	478008	19.66	ug/L		97
66)	Bromoform	15.28	173	118249	19.90	ug/L		98
67)	Isopropylbenzene	15.47	105	659803	18.01	ug/L		99
70)	n-Propylbenzene	15.92	91	899030	20.24	ug/L		99
71)	Bromobenzene	15.97	156	195897	19.02	ug/L		97
72)	1,1,2,2-Tetrachloroethane	15.99	83	190526	18.79	ug/L		98
73)	1,3,5-Trimethylbenzene	16.10	105	619233	19.74	ug/L		96
74)	2-Chlorotoluene	16.14	91	622239	19.91	ug/L		100
75)	trans-1,4-Dichloro-2-Buten	16.18	53	54320	20.20	ug/L		93
76)	1,2,3-Trichloropropane	16.17	110	58949	18.90	ug/L		95
77)	Cyclohexanone	16.26	55	23518	69.61	ug/L		95
78)	4-Chlorotoluene	16.32	91	566935	19.57	ug/L		98
79)	tert-Butylbenzene	16.48	91	364304	19.90	ug/L		97
80)	1,2,4-Trimethylbenzene	16.55	105	639990	19.44	ug/L		96
81)	sec-Butylbenzene	16.68	105	794345	19.93	ug/L		98
82)	4-Isopropyltoluene	16.80	119	645725	20.54	ug/L		100
83)	1,3-Dichlorobenzene	16.98	146	351525	19.00	ug/L		98
84)	1,4-Dichlorobenzene	17.07	146	352497	19.12	ug/L		99
85)	n-Butylbenzene	17.28	92	388271	19.59	ug/L		100
86)	Benzyl Chloride	17.32	126	82868	20.00	ug/L	#	91
87)	1,2-Dichlorobenzene	17.55	146	346147	18.95	ug/L		99
88)	1,2-Dibromo-3-Chloropropan	18.39	75	40601	18.32	ug/L		92
89)	Hexachlorobutadiene	19.04	225	127467	17.47	ug/L		95
90)	1,2,4-Trichlorobenzene	19.12	180	267744	17.59	ug/L		96

(#) = qualifier out of range (m) = manual integration
N0017065.D 8260N.M Tue Feb 13 09:41:32 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017065.D Vial: 3
Acq On : 12 Feb 2007 12:26 pm Operator: calvins
Sample : ic725-3 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28:20 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

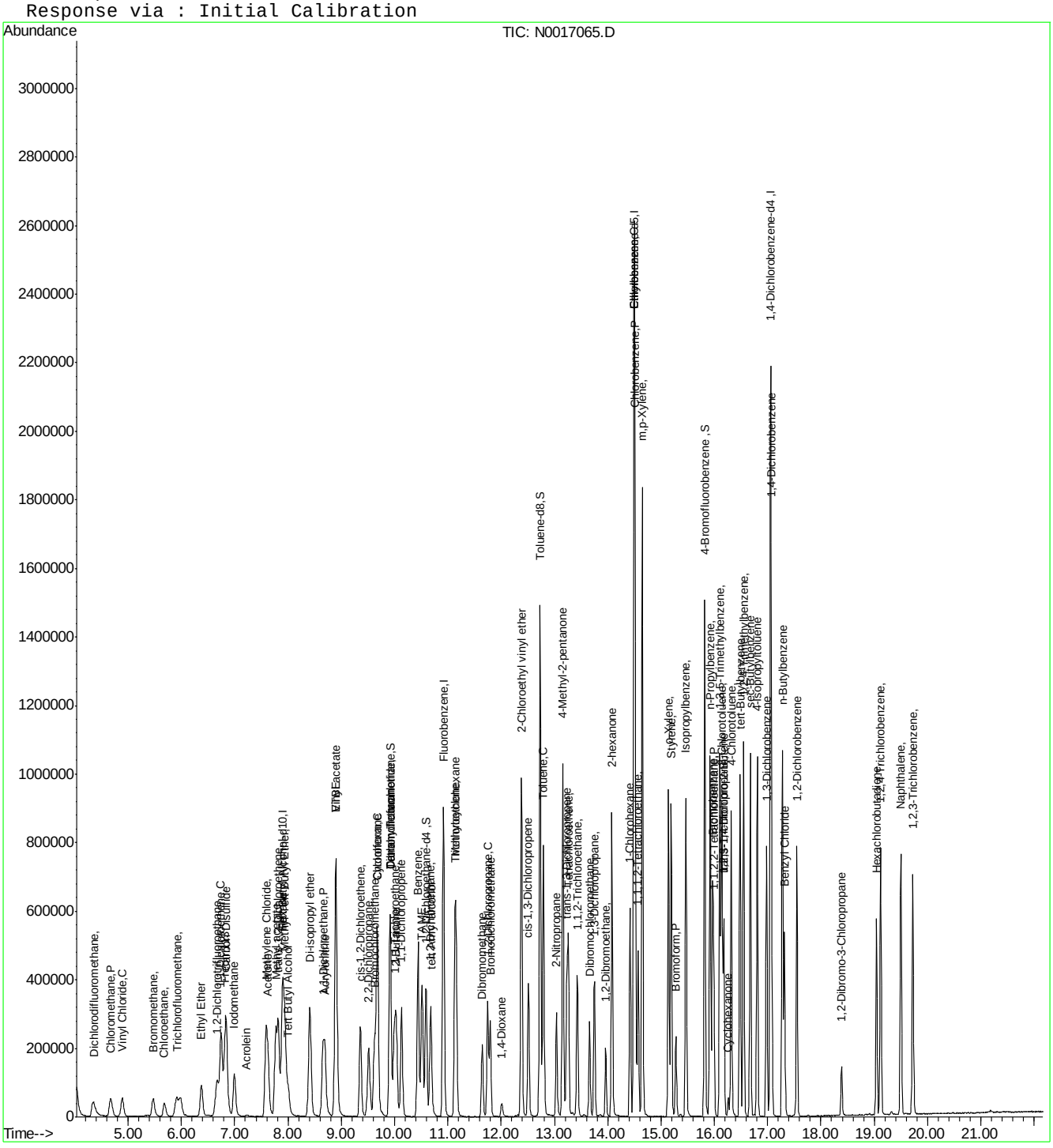
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	19.50	128	652886	18.29	ug/L	99
92)	1,2,3-Trichlorobenzene	19.72	180	248775	16.88	ug/L	94
94)	Acrolein	7.23	56	9042m	75.63	ug/L	
95)	Tert Butyl Alcohol	8.00	59	159288	177.48	ug/L	97
96)	tert Amyl alcohol	10.69	59	119490	174.00	ug/L	95
97)	1,4-Dioxane	12.00	88	36809	353.78	ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed
N0017065.D 8260N.M Tue Feb 13 09:41:33 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017065.D Vial: 3
Acq On : 12 Feb 2007 12:26 pm Operator: calvins
Sample : ic725-3 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:35 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration

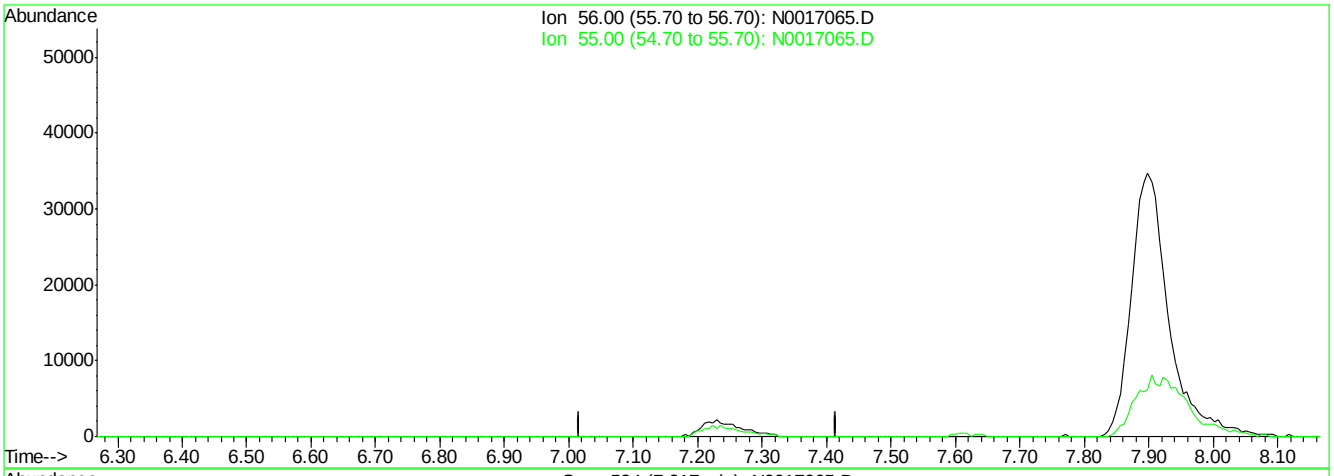


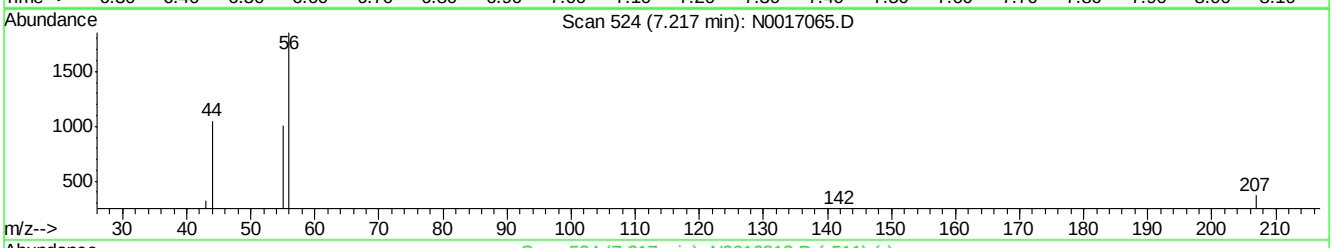
ACCUTEST Laboratories F47081

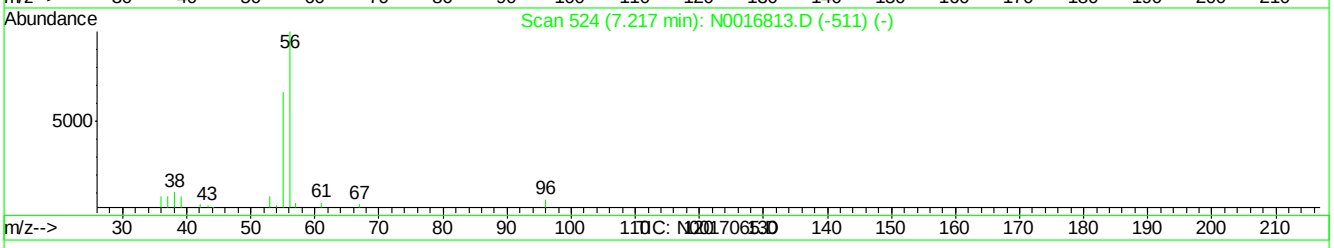
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017065.D Vial: 3
Acq On : 12 Feb 2007 12:26 pm Operator: calvins
Sample : ic725-3 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(94) Acrolein

7.22min (-7.216) 0.00ug/L

response 0

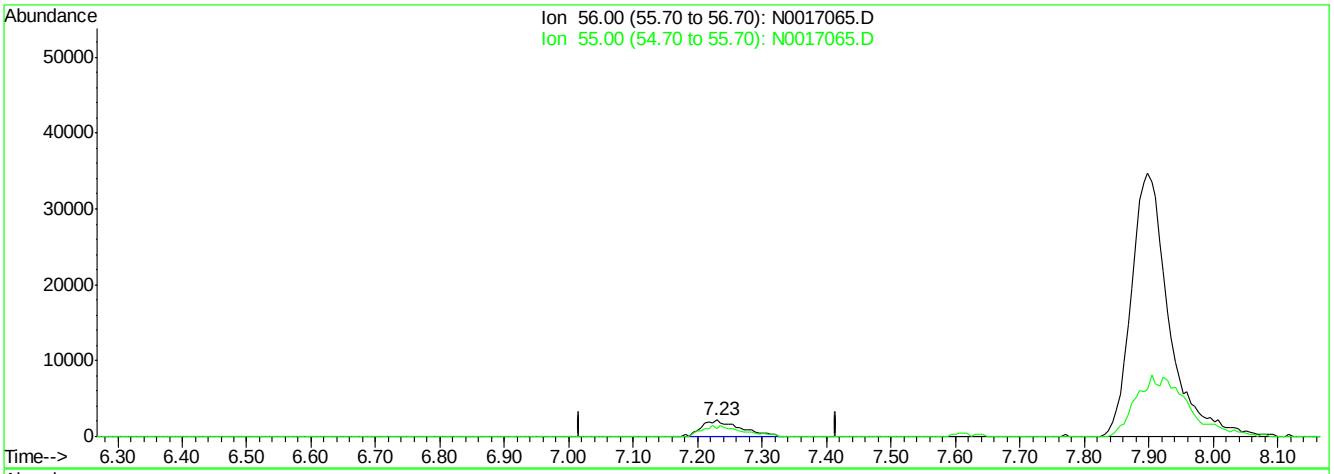
Ion	Exp%	Act%
56.00	100	0.00
55.00	66.40	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

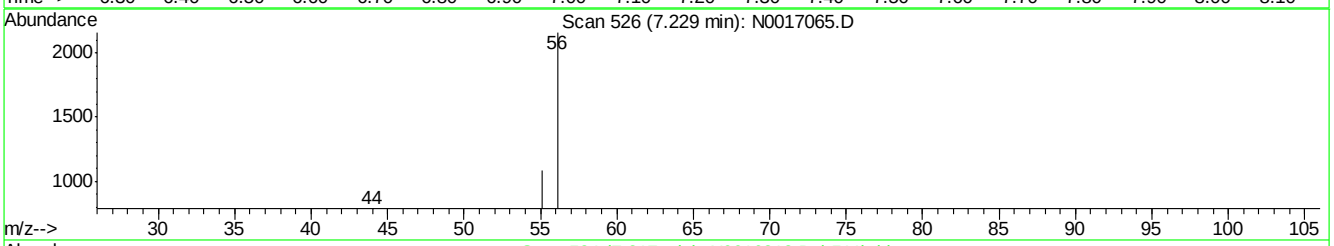
N0017065.D 8260N.M Mon Feb 12 13:35:19 2007

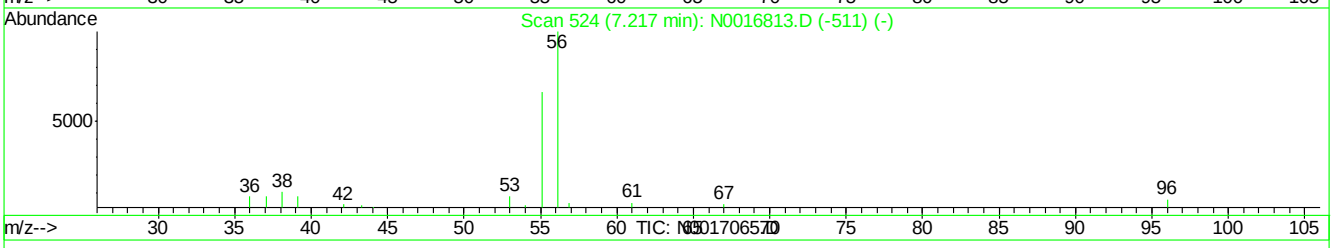
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\2\DATA\021207\N0017065.D Vial: 3
Acq On : 12 Feb 2007 12:26 pm Operator: calvins
Sample : ic725-3 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:35 2007 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Multiple Level Calibration







(94) Acrolein

7.23min (+0.013) 75.63ug/L m

response 9042

Ion	Exp%	Act%
56.00	100	100
55.00	66.40	50.37
0.00	0.00	0.00
0.00	0.00	0.00

N0017065.D 8260N.M Mon Feb 12 13:35:25 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017066.D Vial: 4
Acq On : 12 Feb 2007 12:55 pm Operator: calvins
Sample : icc725-4 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28:22 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	1051334	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.49	117	891991	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	543303	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	172523	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	286403	54.23	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 108.46%			
38) 1,2-Dichloroethane-d4	10.59	65	362751	50.00	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 100.00%			
48) Toluene-d8	12.73	98	1148267	45.46	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 90.92%			
69) 4-Bromofluorobenzene	15.82	95	558020	49.40	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 98.80%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.35	85	268712	41.49	ug/L	97
3) Chloromethane	4.68	50	234123	40.60	ug/L	97
4) Vinyl Chloride	4.89	62	228594	42.07	ug/L	97
5) Bromomethane	5.46	94	121821	48.56	ug/L	98
6) Chloroethane	5.68	64	122580	47.03	ug/L	92
7) Trichlorofluoromethane	5.90	101	405931	50.48	ug/L	97
8) Ethyl Ether	6.37	59	183459	42.86	ug/L	91
9) 1,2-Dichlorotrifluoroethan	6.67	67	357439	73.44	ug/L	97
10) 1,1-Dichloroethene	6.74	61	462708	58.08	ug/L	88
11) Freon 113	6.81	101	273679	61.83	ug/L	98
12) Carbon Disulfide	6.84	76	941287	60.46	ug/L	87
13) Iodomethane	6.99	142	476432	46.72	ug/L	99
14) Methylene Chloride	7.58	49	393588	42.68	ug/L	92
15) Acetone	7.62	43	653239	245.98	ug/L	99
16) Methyl acetate	7.77	43	1041551	207.25	ug/L	96
17) trans-1,2-Dichloroethene	7.81	61	433685	46.65	ug/L	95
18) Hexane	7.89	56	261719	43.94	ug/L	97
19) Methyl Tert Butyl Ether	7.94	73	874675	47.60	ug/L	91
20) Di-isopropyl ether	8.41	45	952381	42.89	ug/L	97
21) 1,1-Dichloroethane	8.65	63	516736	48.04	ug/L	99
22) Acrylonitrile	8.69	53	484514	211.80	ug/L	98
23) ETBE	8.90	59	793623	43.99	ug/L	96
24) Vinyl acetate	8.90	43	2234497	379.77	ug/L	99
25) cis-1,2-Dichloroethene	9.36	96	326353	49.83	ug/L	94
26) 2,2-Dichloropropane	9.51	77	439095	49.85	ug/L	98
27) Bromochloromethane	9.62	128	160165	48.63	ug/L	89
28) Cyclohexane	9.67	56	447897	45.04	ug/L	94
29) Chloroform	9.68	83	543659	48.89	ug/L	98
30) Tetrahydrofuran	9.92	42	84929	39.34	ug/L	91
32) Carbon Tetrachloride	9.92	117	441762	48.33	ug/L	98
33) 1,1,1-Trichloroethane	9.99	97	473472	50.57	ug/L	98
34) 2-Butanone	10.03	43	806058	225.55	ug/L	95
35) 1,1-Dichloropropene	10.13	75	411105	50.42	ug/L	93
36) Benzene	10.44	78	1158071	49.13	ug/L	94

(#) = qualifier out of range (m) = manual integration
N0017066.D 8260N.M Tue Feb 13 09:41:41 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017066.D Vial: 4
Acq On : 12 Feb 2007 12:55 pm Operator: calvins
Sample : icc725-4 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28:22 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
37) TAME	10.51	73	819382	47.77 ug/L	92
39) 1,2-Dichloroethane	10.67	62	450262	46.24 ug/L	97
40) Trichloroethene	11.13	95	303172	50.06 ug/L	99
41) Methylcyclohexane	11.15	83	467557	50.09 ug/L	94
42) Dibromomethane	11.65	93	188202	48.79 ug/L	98
43) 1,2-Dichloropropane	11.75	63	286606	46.93 ug/L	98
44) Bromodichloromethane	11.79	83	445837	49.50 ug/L	99
45) 2-Chloroethyl vinyl ether	12.38	63	905497	227.88 ug/L	92
46) cis-1,3-Dichloropropene	12.51	75	502477	49.57 ug/L	92
49) Toluene	12.79	91	1243672	39.52 ug/L	100
50) 2-Nitropropane	13.04	41	413136	168.13 ug/L	97
51) 4-Methyl-2-pentanone	13.15	43	1465501	172.70 ug/L	99
52) trans-1,3-Dichloropropene	13.23	75	464458	40.72 ug/L	93
53) Tetrachloroethene	13.26	166	312959	35.32 ug/L	97
54) 1,1,2-Trichloroethane	13.43	83	232990	38.10 ug/L	96
55) Dibromochloromethane	13.66	129	322607	35.16 ug/L	98
56) 1,3-Dichloropropane	13.75	76	494402	39.28 ug/L	92
57) 1,2-Dibromoethane	13.96	107	294826	34.62 ug/L	99
58) 2-hexanone	14.08	43	1133239	179.68 ug/L	98
59) 1-Chlorohexane	14.42	91	397636	35.96 ug/L	90
60) Ethylbenzene	14.50	91	1331465	39.35 ug/L	99
61) Chlorobenzene	14.52	112	769423	40.08 ug/L	96
62) 1,1,1,2-Tetrachloroethane	14.57	131	285463	36.05 ug/L	97
63) m,p-Xylene	14.65	91	2169593	80.46 ug/L	98
64) o-Xylene	15.14	91	1150565	36.44 ug/L	100
65) Styrene	15.19	104	900668	39.31 ug/L	97
66) Bromoform	15.28	173	239108	42.70 ug/L	98
67) Isopropylbenzene	15.47	105	1241600	35.98 ug/L	100
70) n-Propylbenzene	15.92	91	1682484	38.41 ug/L	100
71) Bromobenzene	15.97	156	368851	36.32 ug/L	99
72) 1,1,2,2-Tetrachloroethane	15.99	83	356762	35.68 ug/L	100
73) 1,3,5-Trimethylbenzene	16.10	105	1169806	37.82 ug/L	98
74) 2-Chlorotoluene	16.14	91	1171406	38.00 ug/L	100
75) trans-1,4-Dichloro-2-Buten	16.18	53	105913	39.95 ug/L	97
76) 1,2,3-Trichloropropane	16.17	110	112898	36.71 ug/L	97
77) Cyclohexanone	16.26	55	45383	136.21 ug/L	92
78) 4-Chlorotoluene	16.32	91	1069640	37.45 ug/L	99
79) tert-Butylbenzene	16.48	91	680135	37.68 ug/L	98
80) 1,2,4-Trimethylbenzene	16.55	105	1202312	37.04 ug/L	97
81) sec-Butylbenzene	16.68	105	1477098	37.58 ug/L	99
82) 4-Isopropyltoluene	16.80	119	1208518	38.98 ug/L	100
83) 1,3-Dichlorobenzene	16.98	146	671413	36.81 ug/L	100
84) 1,4-Dichlorobenzene	17.07	146	660319	36.32 ug/L	98
85) n-Butylbenzene	17.28	92	733620	37.54 ug/L	100
86) Benzyl Chloride	17.32	126	156645	38.34 ug/L	99
87) 1,2-Dichlorobenzene	17.55	146	655036	36.36 ug/L	99
88) 1,2-Dibromo-3-Chloropropan	18.39	75	78920	36.11 ug/L	97
89) Hexachlorobutadiene	19.04	225	246152	34.21 ug/L	94
90) 1,2,4-Trichlorobenzene	19.12	180	514319	34.27 ug/L	96

(#) = qualifier out of range (m) = manual integration
N0017066.D 8260N.M Tue Feb 13 09:41:41 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017066.D Vial: 4
Acq On : 12 Feb 2007 12:55 pm Operator: calvins
Sample : icc725-4 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28:22 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

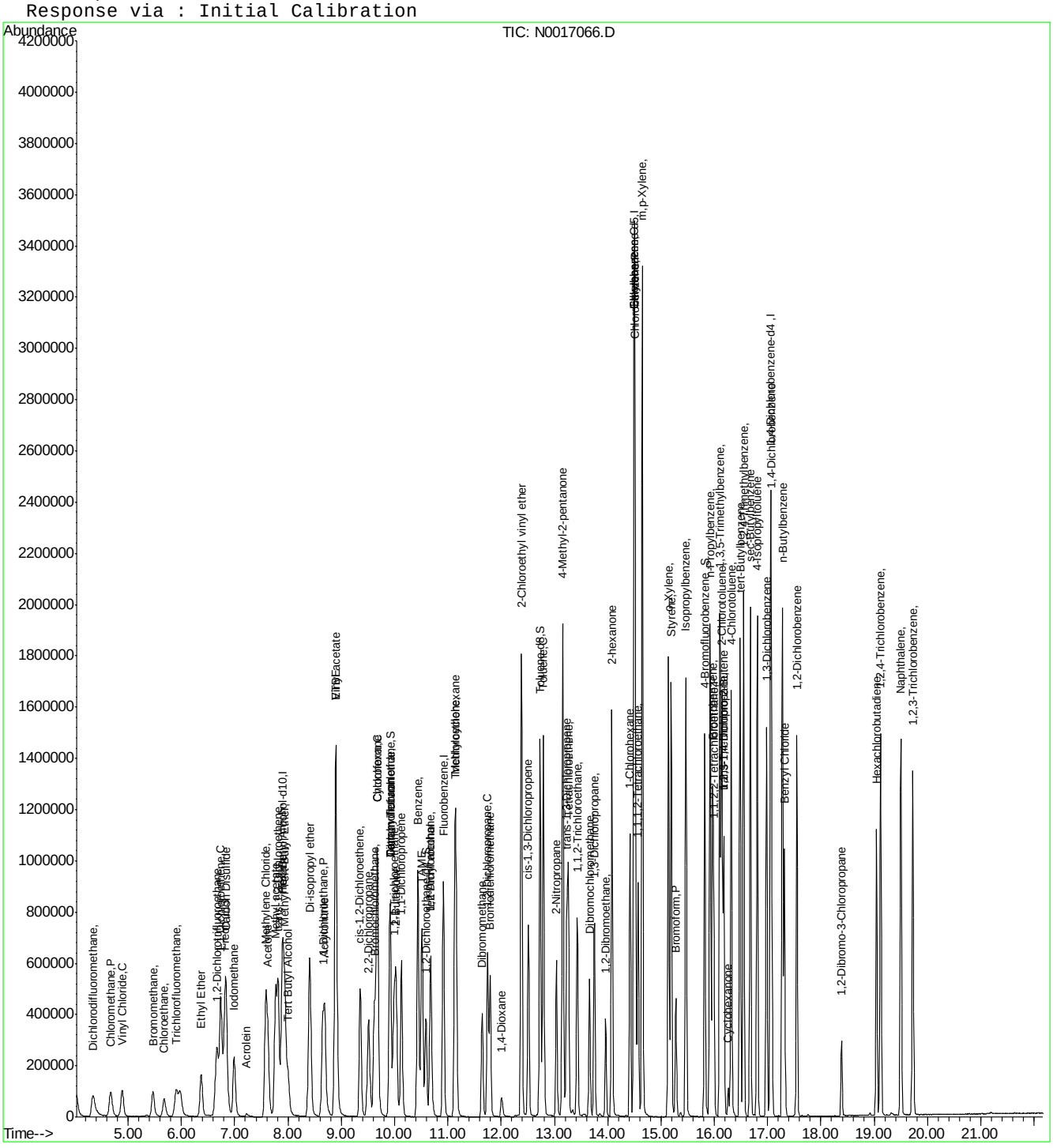
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91) Naphthalene	19.50	128	1274916	36.22	ug/L	99
92) 1,2,3-Trichlorobenzene	19.72	180	487847	33.57	ug/L	98
94) Acrolein	7.22	56	19081	162.43	ug/L	97
95) Tert Butyl Alcohol	8.00	59	302818	343.40	ug/L	99
96) tert Amyl alcohol	10.68	59	239258	354.59	ug/L	95
97) 1,4-Dioxane	12.01	88	68541	670.47	ug/L	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017066.D Vial: 4
Acq On : 12 Feb 2007 12:55 pm Operator: calvins
Sample : icc725-4 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:28 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017067.D Vial: 5
Acq On : 12 Feb 2007 1:23 pm Operator: calvins
Sample : ic725-5 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:45:30 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	1057086	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.49	117	837945	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	530631	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	181137	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	282086	53.12	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 106.24%			
38) 1,2-Dichloroethane-d4	10.59	65	364713	50.00	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 100.00%			
48) Toluene-d8	12.73	98	1127492	47.52	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 95.04%			
69) 4-Bromofluorobenzene	15.82	95	560250	50.78	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 101.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.33	85	460162	70.66	ug/L	97
3) Chloromethane	4.68	50	384478	66.31	ug/L	99
4) Vinyl Chloride	4.89	62	414339	75.85	ug/L	98
5) Bromomethane	5.46	94	207426	82.23	ug/L	99
6) Chloroethane	5.67	64	220894	84.28	ug/L	93
7) Trichlorofluoromethane	5.97	101	718103	88.82	ug/L	99
8) Ethyl Ether	6.37	59	349754	81.26	ug/L	91
9) 1,2-Dichlorotrifluoroethan	6.66	67	484941	99.10	ug/L	97
10) 1,1-Dichloroethene	6.74	61	791864	98.86	ug/L	90
11) Freon 113	6.81	101	484591	108.88	ug/L	96
12) Carbon Disulfide	6.84	76	1687203	107.78	ug/L	86
13) Iodomethane	6.99	142	864274	84.30	ug/L	98
14) Methylene Chloride	7.58	49	685043	73.88	ug/L	91
15) Acetone	7.62	43	1175224	440.14	ug/L	99
16) Methyl acetate	7.76	43	1858456	367.78	ug/L	95
17) trans-1,2-Dichloroethene	7.81	61	774926	82.91	ug/L	97
18) Hexane	7.89	56	444516	74.23	ug/L	97
19) Methyl Tert Butyl Ether	7.93	73	1604931	86.86	ug/L	92
20) Di-isopropyl ether	8.40	45	1681674	75.33	ug/L	97
21) 1,1-Dichloroethane	8.65	63	922819	85.32	ug/L	98
22) Acrylonitrile	8.69	53	864550	375.87	ug/L	99
23) ETBE	8.90	59	1399233	77.13	ug/L	96
24) Vinyl acetate	8.90	43	3813781	644.66	ug/L	100
25) cis-1,2-Dichloroethene	9.35	96	586055	89.00	ug/L	96
26) 2,2-Dichloropropane	9.51	77	773229	87.31	ug/L	97
27) Bromochloromethane	9.62	128	284858	86.01	ug/L	88
28) Cyclohexane	9.67	56	785753	78.58	ug/L	94
29) Chloroform	9.67	83	971450	86.88	ug/L	97
30) Tetrahydrofuran	9.91	42	153571	70.75	ug/L	91
32) Carbon Tetrachloride	9.92	117	808136	87.93	ug/L	99
33) 1,1,1-Trichloroethane	9.99	97	860970	91.45	ug/L	99
34) 2-Butanone	10.03	43	1480312	411.96	ug/L	96
35) 1,1-Dichloropropene	10.13	75	738396	90.08	ug/L	92
36) Benzene	10.44	78	2054116	86.67	ug/L	93

(#) = qualifier out of range (m) = manual integration
N0017067.D 8260N.M Tue Feb 13 09:41:48 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017067.D Vial: 5
Acq On : 12 Feb 2007 1:23 pm Operator: calvins
Sample : ic725-5 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:45:30 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
37)	TAME	10.51	73	1465384	84.97	ug/L	93
39)	1,2-Dichloroethane	10.67	62	812202	82.95	ug/L	96
40)	Trichloroethene	11.13	95	533224	87.56	ug/L	98
41)	Methylcyclohexane	11.15	83	796427	84.86	ug/L	95
42)	Dibromomethane	11.65	93	332920	85.83	ug/L	98
43)	1,2-Dichloropropane	11.74	63	509271	82.94	ug/L	94
44)	Bromodichloromethane	11.79	83	808377	89.26	ug/L	99
45)	2-Chloroethyl vinyl ether	12.38	63	1538215	385.01	ug/L	92
46)	cis-1,3-Dichloropropene	12.51	75	906485	88.95	ug/L	95
49)	Toluene	12.79	91	2125426	71.89	ug/L	99
50)	2-Nitropropane	13.04	41	765876	331.79	ug/L	97
51)	4-Methyl-2-pentanone	13.15	43	2533429	317.81	ug/L	98
52)	trans-1,3-Dichloropropene	13.23	75	817320	76.29	ug/L	95
53)	Tetrachloroethene	13.26	166	534105	64.17	ug/L	99
54)	1,1,2-Trichloroethane	13.43	83	406424	70.75	ug/L	99
55)	Dibromochloromethane	13.66	129	585782	67.96	ug/L	98
56)	1,3-Dichloropropane	13.75	76	865435	73.19	ug/L	94
57)	1,2-Dibromoethane	13.96	107	531783	66.48	ug/L	99
58)	2-hexanone	14.08	43	1981971	334.52	ug/L	97
59)	1-Chlorohexane	14.42	91	684944	65.95	ug/L	92
60)	Ethylbenzene	14.50	91	2276710	71.62	ug/L	99
61)	Chlorobenzene	14.52	112	1287901	71.42	ug/L	97
62)	1,1,1,2-Tetrachloroethane	14.57	131	499517	67.15	ug/L	97
63)	m,p-Xylene	14.65	91	3627162	143.20	ug/L	97
64)	o-Xylene	15.14	91	2011474	67.82	ug/L	99
65)	Styrene	15.19	104	1548067	71.93	ug/L	96
66)	Bromoform	15.28	173	429786	81.70	ug/L	99
67)	Isopropylbenzene	15.47	105	2135231	65.86	ug/L	100
70)	n-Propylbenzene	15.92	91	2898086	67.74	ug/L	100
71)	Bromobenzene	15.97	156	636519	64.17	ug/L	99
72)	1,1,2,2-Tetrachloroethane	15.99	83	632676	64.78	ug/L	99
73)	1,3,5-Trimethylbenzene	16.10	105	2030429	67.21	ug/L	100
74)	2-Chlorotoluene	16.14	91	2045674	67.95	ug/L	98
75)	trans-1,4-Dichloro-2-Buten	16.18	53	196020	75.70	ug/L	93
76)	1,2,3-Trichloropropane	16.17	110	206648	68.81	ug/L	97
77)	Cyclohexanone	16.26	55	85284	262.08	ug/L	95
78)	4-Chlorotoluene	16.32	91	1892635	67.84	ug/L	100
79)	tert-Butylbenzene	16.48	91	1202903	68.23	ug/L	96
80)	1,2,4-Trimethylbenzene	16.55	105	2097544	66.15	ug/L	99
81)	sec-Butylbenzene	16.68	105	2544332	66.28	ug/L	100
82)	4-Isopropyltoluene	16.80	119	2086836	68.92	ug/L	99
83)	1,3-Dichlorobenzene	16.98	146	1158814	65.04	ug/L	99
84)	1,4-Dichlorobenzene	17.07	146	1130845	63.69	ug/L	98
85)	n-Butylbenzene	17.28	92	1271195	66.60	ug/L	99
86)	Benzyl Chloride	17.32	126	266960	66.90	ug/L	96
87)	1,2-Dichlorobenzene	17.55	146	1146316	65.16	ug/L	99
88)	1,2-Dibromo-3-Chloropropan	18.39	75	147514	69.11	ug/L	95
89)	Hexachlorobutadiene	19.04	225	439864	62.60	ug/L	94
90)	1,2,4-Trichlorobenzene	19.12	180	893008	60.92	ug/L	95

(#) = qualifier out of range (m) = manual integration
N0017067.D 8260N.M Tue Feb 13 09:41:49 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017067.D Vial: 5
Acq On : 12 Feb 2007 1:23 pm Operator: calvins
Sample : ic725-5 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:45:30 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

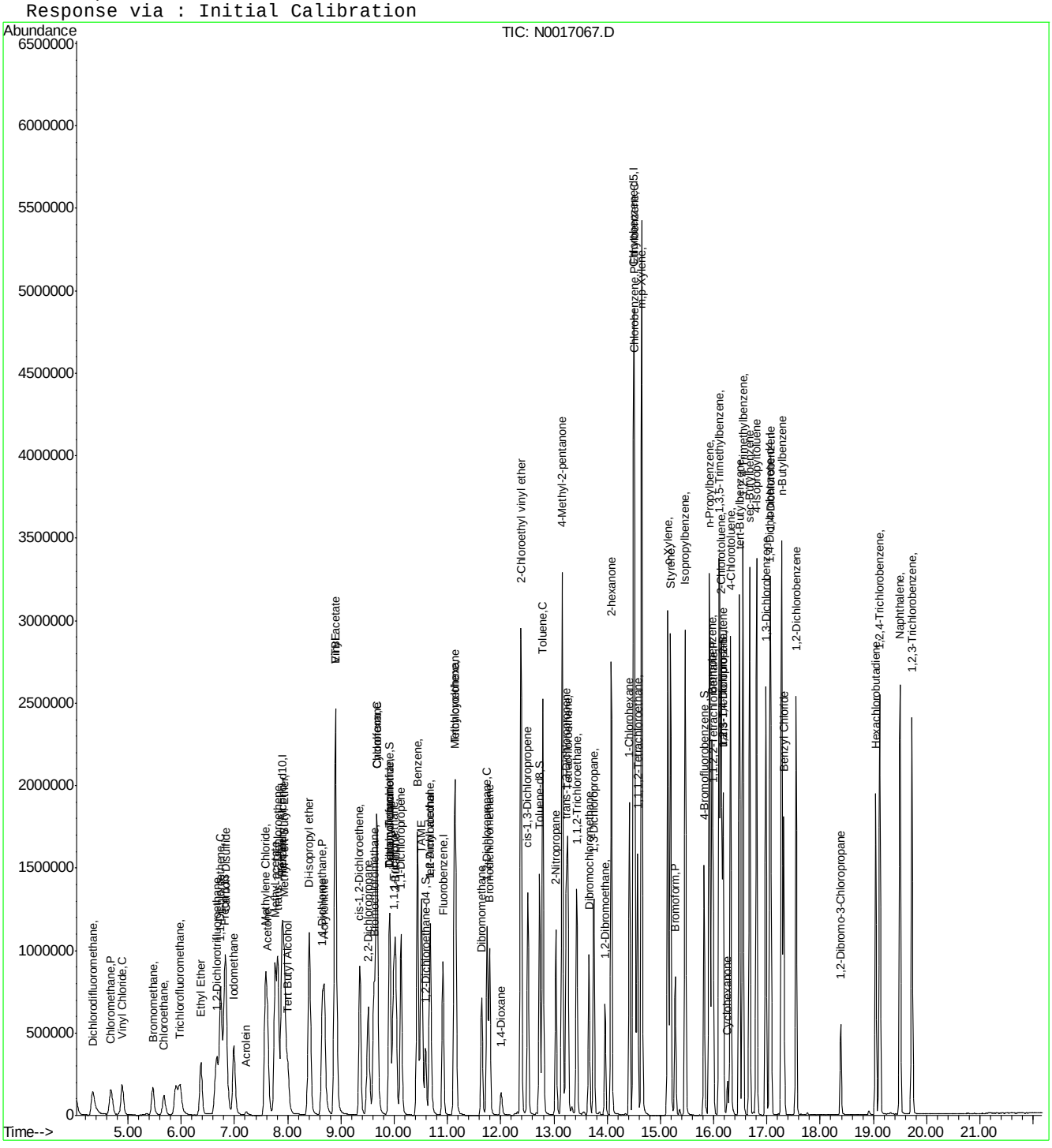
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	19.50	128	2259065	65.71	ug/L	100
92)	1,2,3-Trichlorobenzene	19.72	180	853422	60.13	ug/L	96
94)	Acrolein	7.21	56	33465	271.32	ug/L	100
95)	Tert Butyl Alcohol	8.00	59	583178	629.88	ug/L	96
96)	tert Amyl alcohol	10.68	59	455113	642.42	ug/L	94
97)	1,4-Dioxane	12.01	88	134981	1257.59	ug/L	89

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017067.D Vial: 5
Acq On : 12 Feb 2007 1:23 pm Operator: calvins
Sample : ic725-5 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 13:45 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017068.D Vial: 6
Acq On : 12 Feb 2007 1:51 pm Operator: calvins
Sample : ic725-6 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 14:13:26 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	1065509	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.49	117	802490	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	530959	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.90	65	177541	250.00	ug/L	0.01
System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	280439	52.39	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 104.78%			
38) 1,2-Dichloroethane-d4	10.59	65	368246	50.08	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 100.16%			
48) Toluene-d8	12.73	98	1151030	50.65	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 101.30%			
69) 4-Bromofluorobenzene	15.82	95	574873	52.08	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 104.16%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.35	85	676238	103.01	ug/L	99
3) Chloromethane	4.70	50	523759	89.62	ug/L	97
4) Vinyl Chloride	4.90	62	606041	110.06	ug/L	97
5) Bromomethane	5.47	94	290304	114.18	ug/L	99
6) Chloroethane	5.67	64	309101	117.01	ug/L	94
7) Trichlorofluoromethane	5.90	101	1038692	127.46	ug/L	99
8) Ethyl Ether	6.37	59	493552	113.76	ug/L	91
9) 1,2-Dichlorotrifluoroethan	6.66	67	693032	140.50	ug/L	98
10) 1,1-Dichloroethene	6.74	61	1153899	142.92	ug/L	90
11) Freon 113	6.81	101	653331	145.63	ug/L	97
12) Carbon Disulfide	6.84	76	2274843	144.17	ug/L	88
13) Iodomethane	6.99	142	1201822	116.29	ug/L	97
14) Methylene Chloride	7.58	49	948793	101.51	ug/L	92
15) Acetone	7.62	43	1501921	558.04	ug/L	98
16) Methyl acetate	7.77	43	2541302	498.94	ug/L	95
17) trans-1,2-Dichloroethene	7.82	61	1091327	115.83	ug/L	96
18) Hexane	7.89	56	611286	101.27	ug/L	95
19) Methyl Tert Butyl Ether	7.94	73	2257064	121.19	ug/L	91
20) Di-isopropyl ether	8.41	45	2376688	105.62	ug/L	97
21) 1,1-Dichloroethane	8.65	63	1314573	120.58	ug/L	99
22) Acrylonitrile	8.70	53	1189912	513.24	ug/L	97
23) ETBE	8.90	59	1987983	108.72	ug/L	97
24) Vinyl acetate	8.90	43	5122395	859.01	ug/L	100
25) cis-1,2-Dichloroethene	9.36	96	817380	123.14	ug/L	97
26) 2,2-Dichloropropane	9.52	77	1120584	125.54	ug/L	99
27) Bromochloromethane	9.63	128	394842	118.28	ug/L	88
28) Cyclohexane	9.67	56	1082264	107.38	ug/L	94
29) Chloroform	9.68	83	1375581	122.06	ug/L	98
30) Tetrahydrofuran	9.91	42	207507	94.85	ug/L	95
32) Carbon Tetrachloride	9.92	117	1173278	126.65	ug/L	99
33) 1,1,1-Trichloroethane	10.00	97	1248702	131.58	ug/L	97
34) 2-Butanone	10.03	43	1934686	534.16	ug/L	94
35) 1,1-Dichloropropene	10.13	75	1058526	128.11	ug/L	93
36) Benzene	10.44	78	2864750	119.91	ug/L	95

(#) = qualifier out of range (m) = manual integration
N0017068.D 8260N.M Tue Feb 13 09:41:54 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017068.D Vial: 6
Acq On : 12 Feb 2007 1:51 pm Operator: calvins
Sample : ic725-6 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 14:13:26 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
37)	TAME	10.51	73	2094643	120.50 ug/L	93
39)	1,2-Dichloroethane	10.67	62	1170211	118.57 ug/L	97
40)	Trichloroethene	11.13	95	746815	121.66 ug/L	95
41)	Methylcyclohexane	11.15	83	1107024	117.03 ug/L	97
42)	Dibromomethane	11.64	93	472622	120.89 ug/L	94
43)	1,2-Dichloropropane	11.75	63	708950	114.55 ug/L	96
44)	Bromodichloromethane	11.79	83	1162392	127.34 ug/L	98
45)	2-Chloroethyl vinyl ether	12.38	63	2112350	524.53 ug/L	92
46)	cis-1,3-Dichloropropene	12.52	75	1278061	124.41 ug/L	95
49)	Toluene	12.80	91	2971036	104.94 ug/L	100
50)	2-Nitropropane	13.04	41	1081212	489.09 ug/L	94
51)	4-Methyl-2-pentanone	13.15	43	3418216	447.75 ug/L	97
52)	trans-1,3-Dichloropropene	13.23	75	1159129	112.97 ug/L	95
53)	Tetrachloroethene	13.26	166	741063	92.97 ug/L	99
54)	1,1,2-Trichloroethane	13.43	83	569773	103.57 ug/L	99
55)	Dibromochloromethane	13.66	129	838173	101.53 ug/L	97
56)	1,3-Dichloropropane	13.75	76	1228213	108.46 ug/L	94
57)	1,2-Dibromoethane	13.96	107	749410	97.82 ug/L	99
58)	2-hexanone	14.08	43	2658087	468.46 ug/L	97
59)	1-Chlorohexane	14.42	91	959837	96.50 ug/L	94
60)	Ethylbenzene	14.50	91	3170734	104.15 ug/L	97
61)	Chlorobenzene	14.52	112	1751293	101.40 ug/L	95
62)	1,1,1,2-Tetrachloroethane	14.57	131	720830	101.19 ug/L	97
63)	m,p-Xylene	14.65	91	4988735	205.65 ug/L	96
64)	o-Xylene	15.14	91	2812047	99.00 ug/L	99
65)	Styrene	15.19	104	2169920	105.28 ug/L	95
66)	Bromoform	15.28	173	618354	122.75 ug/L	99
67)	Isopropylbenzene	15.47	105	2980801	96.01 ug/L	100
70)	n-Propylbenzene	15.92	91	3996373	93.36 ug/L	98
71)	Bromobenzene	15.97	156	869627	87.62 ug/L	99
72)	1,1,2,2-Tetrachloroethane	15.99	83	852782	87.27 ug/L	99
73)	1,3,5-Trimethylbenzene	16.10	105	2821296	93.33 ug/L	99
74)	2-Chlorotoluene	16.14	91	2845694	94.47 ug/L	97
75)	trans-1,4-Dichloro-2-Buten	16.18	53	275082	106.17 ug/L	92
76)	1,2,3-Trichloropropane	16.17	110	282601	94.04 ug/L	97
77)	Cyclohexanone	16.26	55	123572	379.51 ug/L	94
78)	4-Chlorotoluene	16.32	91	2635084	94.39 ug/L	97
79)	tert-Butylbenzene	16.48	91	1705095	96.65 ug/L	93
80)	1,2,4-Trimethylbenzene	16.55	105	2911360	91.76 ug/L	99
81)	sec-Butylbenzene	16.68	105	3530504	91.91 ug/L	99
82)	4-Isopropyltoluene	16.80	119	2845220	93.90 ug/L	98
83)	1,3-Dichlorobenzene	16.98	146	1613076	90.49 ug/L	97
84)	1,4-Dichlorobenzene	17.07	146	1580001	88.93 ug/L	98
85)	n-Butylbenzene	17.28	92	1780164	93.21 ug/L	98
86)	Benzyl Chloride	17.32	126	366006	91.67 ug/L	96
87)	1,2-Dichlorobenzene	17.55	146	1567644	89.05 ug/L	97
88)	1,2-Dibromo-3-Chloropropan	18.39	75	211907	99.22 ug/L	95
89)	Hexachlorobutadiene	19.04	225	623695	88.71 ug/L	95
90)	1,2,4-Trichlorobenzene	19.12	180	1238980	84.48 ug/L	94

(#) = qualifier out of range (m) = manual integration
N0017068.D 8260N.M Tue Feb 13 09:41:55 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017068.D Vial: 6
Acq On : 12 Feb 2007 1:51 pm Operator: calvins
Sample : ic725-6 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 14:13:26 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Jan 29 13:37:31 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

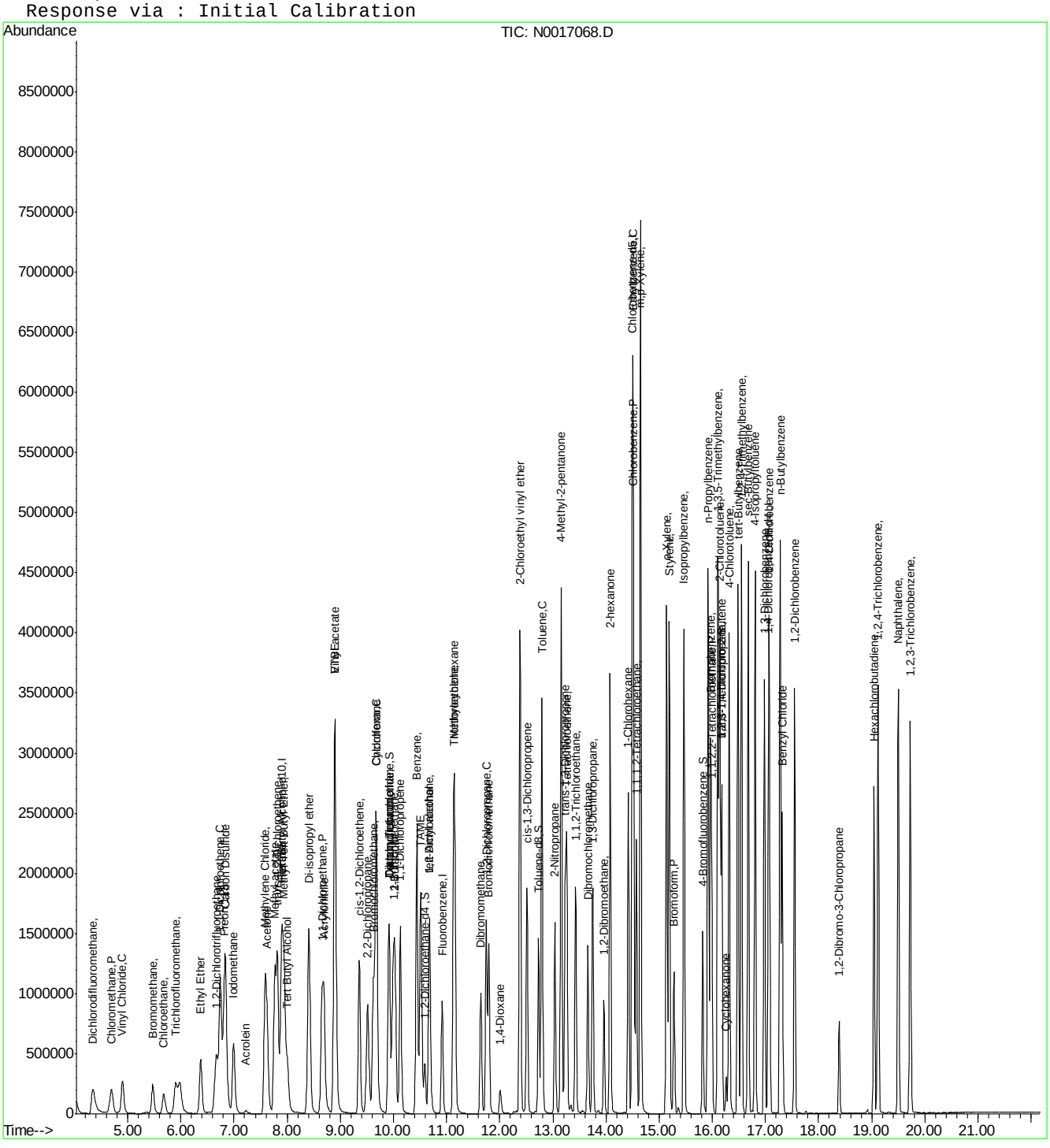
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	19.50	128	3102200	90.18	ug/L	100
92)	1,2,3-Trichlorobenzene	19.72	180	1177690	82.93	ug/L	96
94)	Acrolein	7.22	56	44680	369.59	ug/L	96
95)	Tert Butyl Alcohol	8.00	59	814864	897.95	ug/L	98
96)	tert Amyl alcohol	10.68	59	630967	908.69	ug/L	93
97)	1,4-Dioxane	12.01	88	188161	1788.56	ug/L	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed
N0017068.D 8260N.M Tue Feb 13 09:41:55 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017068.D Vial: 6
Acq On : 12 Feb 2007 1:51 pm Operator: calvins
Sample : ic725-6 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 14:13 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017069.D Vial: 7
Acq On : 12 Feb 2007 2:19 pm Operator: calvins
Sample : icv725-4 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 14:41:34 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 14:31:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	10.92	96	1038461	50.00	ug/L	0.00
47) Chlorobenzene-d5	14.49	117	883292	50.00	ug/L	0.00
68) 1,4-Dichlorobenzene-d4	17.05	152	547131	50.00	ug/L	0.00
93) Tert Butyl Alcohol-d10	7.89	65	178022	250.00	ug/L	0.00
System Monitoring Compounds						
31) Dibromofluoromethane	9.91	113	284731	50.44	ug/L	0.00
Spiked Amount 50.000	Range 87 - 116		Recovery = 100.88%			
38) 1,2-Dichloroethane-d4	10.59	65	375825	51.94	ug/L	0.00
Spiked Amount 50.000	Range 76 - 127		Recovery = 103.88%			
48) Toluene-d8	12.73	98	1148155	51.17	ug/L	0.00
Spiked Amount 50.000	Range 86 - 112		Recovery = 102.34%			
69) 4-Bromofluorobenzene	15.82	95	566088	50.08	ug/L	0.00
Spiked Amount 50.000	Range 84 - 120		Recovery = 100.16%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.33	85	307882	50.05	ug/L	99
3) Chloromethane	4.67	50	303177	55.19	ug/L	100
4) Vinyl Chloride	4.89	62	235415	40.22	ug/L	100
5) Bromomethane	5.46	94	117567	38.13	ug/L	98
6) Chloroethane	5.67	64	120354	41.21	ug/L	93
7) Trichlorofluoromethane	5.91	101	391141	40.98	ug/L	96
8) Ethyl Ether	6.37	59	185148	40.29	ug/L	91
9) 1,2-Dichlorotrifluoroethan	6.66	67	289003	36.84	ug/L	95
10) 1,1-Dichloroethene	6.74	61	399073	35.53	ug/L	95
11) Freon 113	6.81	101	263840	40.28	ug/L	96
12) Carbon Disulfide	6.84	76	884999	38.87	ug/L	88
13) Iodomethane	6.99	142	447377	38.93	ug/L	98
14) Methylene Chloride	7.58	49	351123	37.25	ug/L	93
15) Acetone	7.62	43	483366	147.63	ug/L	99
16) Methyl acetate	7.76	43	1010331	198.15	ug/L	95
17) trans-1,2-Dichloroethene	7.81	61	416205	40.39	ug/L	98
18) Hexane	7.89	56	248405	39.69	ug/L	96
19) Methyl Tert Butyl Ether	7.93	73	910423	42.03	ug/L	92
20) Di-isopropyl ether	8.41	45	948353	41.97	ug/L	97
21) 1,1-Dichloroethane	8.65	63	512294	40.80	ug/L	100
22) Acrylonitrile	8.68	53	483284	203.90	ug/L	97
23) ETBE	8.90	59	933301	48.55	ug/L	97
24) Vinyl acetate	8.90	43	1290557	124.87	ug/L	99
25) cis-1,2-Dichloroethene	9.35	96	295104	37.21	ug/L	96
26) 2,2-Dichloropropane	9.51	77	456020	43.81	ug/L	96
27) Bromochloromethane	9.62	128	151721	38.80	ug/L	89
28) Cyclohexane	9.67	56	448160	42.58	ug/L	94
29) Chloroform	9.67	83	549757	41.30	ug/L	97
30) Tetrahydrofuran	9.91	42	84402	39.16	ug/L	89
32) Carbon Tetrachloride	9.92	117	456944	40.28	ug/L	99
33) 1,1,1-Trichloroethane	9.99	97	489989	43.60	ug/L	97
34) 2-Butanone	10.03	43	711726	180.08	ug/L	94
35) 1,1-Dichloropropene	10.12	75	411187	42.37	ug/L	92
36) Benzene	10.43	78	1124121	39.97	ug/L	94

(#) = qualifier out of range (m) = manual integration
N0017069.D 8260N.M Tue Feb 13 09:42:32 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017069.D Vial: 7
Acq On : 12 Feb 2007 2:19 pm Operator: calvins
Sample : icv725-4 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 14:41:34 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 14:31:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
37)	TAME	10.51	73	873271	43.86	ug/L		93
39)	1,2-Dichloroethane	10.67	62	460314	41.46	ug/L		97
40)	Trichloroethene	11.13	95	295157	40.73	ug/L		98
41)	Methylcyclohexane	11.15	83	477305	44.01	ug/L		93
42)	Dibromomethane	11.65	93	184872	40.09	ug/L		99
43)	1,2-Dichloropropane	11.74	63	277293	40.41	ug/L		97
44)	Bromodichloromethane	11.79	83	423862	39.16	ug/L		99
45)	2-Chloroethyl vinyl ether	12.38	63	986130	226.06	ug/L		91
46)	cis-1,3-Dichloropropene	12.51	75	515424	42.08	ug/L		93
49)	Toluene	12.79	91	1205140	39.96	ug/L		99
50)	2-Nitropropane	13.04	41	428858	185.32	ug/L		95
51)	4-Methyl-2-pentanone	13.15	43	1480976	208.36	ug/L		97
52)	trans-1,3-Dichloropropene	13.23	75	514556	45.92	ug/L		95
53)	Tetrachloroethene	13.26	166	310645	41.33	ug/L		97
54)	1,1,2-Trichloroethane	13.43	83	226047	39.73	ug/L		99
55)	Dibromochloromethane	13.66	129	315256	35.22	ug/L		98
56)	1,3-Dichloropropane	13.75	76	486238	40.34	ug/L		93
57)	1,2-Dibromoethane	13.96	107	293690	39.34	ug/L		98
58)	2-hexanone	14.08	43	1085166	198.64	ug/L		96
59)	1-Chlorohexane	14.42	91	422244	40.57	ug/L		91
60)	Ethylbenzene	14.50	91	1311473	40.05	ug/L		100
61)	Chlorobenzene	14.52	112	755462	40.40	ug/L		98
62)	1,1,1,2-Tetrachloroethane	14.57	131	287632	41.56	ug/L		97
63)	m,p-Xylene	14.65	91	2154660	82.53	ug/L		98
64)	o-Xylene	15.14	91	1146677	37.65	ug/L		100
65)	Styrene	15.19	104	883868	37.58	ug/L		96
66)	Bromoform	15.28	173	238839	42.13	ug/L		99
67)	Isopropylbenzene	15.47	105	1292790	44.34	ug/L		99
70)	n-Propylbenzene	15.92	91	1675679	40.83	ug/L		100
71)	Bromobenzene	15.96	156	357948	38.71	ug/L		98
72)	1,1,2,2-Tetrachloroethane	15.99	83	358283	39.25	ug/L		100
73)	1,3,5-Trimethylbenzene	16.10	105	1162236	40.58	ug/L		98
74)	2-Chlorotoluene	16.14	91	1182737	40.57	ug/L		99
75)	trans-1,4-Dichloro-2-Buten	16.18	53	122928	46.64	ug/L	#	85
76)	1,2,3-Trichloropropane	16.17	110	114652	39.65	ug/L		97
77)	Cyclohexanone	16.26	55	53080	219.03	ug/L		95
78)	4-Chlorotoluene	16.32	91	1089503	41.15	ug/L		100
79)	tert-Butylbenzene	16.48	91	698375	41.83	ug/L		95
80)	1,2,4-Trimethylbenzene	16.55	105	1194843	39.95	ug/L		98
81)	sec-Butylbenzene	16.68	105	1501084	41.77	ug/L		100
82)	4-Isopropyltoluene	16.80	119	1203613	41.24	ug/L		98
83)	1,3-Dichlorobenzene	16.98	146	673150	39.84	ug/L		99
84)	1,4-Dichlorobenzene	17.07	146	669121	40.29	ug/L		99
85)	n-Butylbenzene	17.28	92	739652	41.24	ug/L		99
86)	Benzyl Chloride	17.32	126	161437	42.97	ug/L	#	93
87)	1,2-Dichlorobenzene	17.55	146	663856	40.10	ug/L		99
88)	1,2-Dibromo-3-Chloropropan	18.39	75	80709	39.29	ug/L		95
89)	Hexachlorobutadiene	19.04	225	254118	40.72	ug/L		93
90)	1,2,4-Trichlorobenzene	19.12	180	514265	38.74	ug/L		96

(#) = qualifier out of range (m) = manual integration
N0017069.D 8260N.M Tue Feb 13 09:42:32 2007

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017069.D Vial: 7
Acq On : 12 Feb 2007 2:19 pm Operator: calvins
Sample : icv725-4 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 14:41:34 2007 Quant Results File: 8260N.RES

Quant Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 14:31:07 2007
Response via : Initial Calibration
DataAcq Meth : 8260VMS

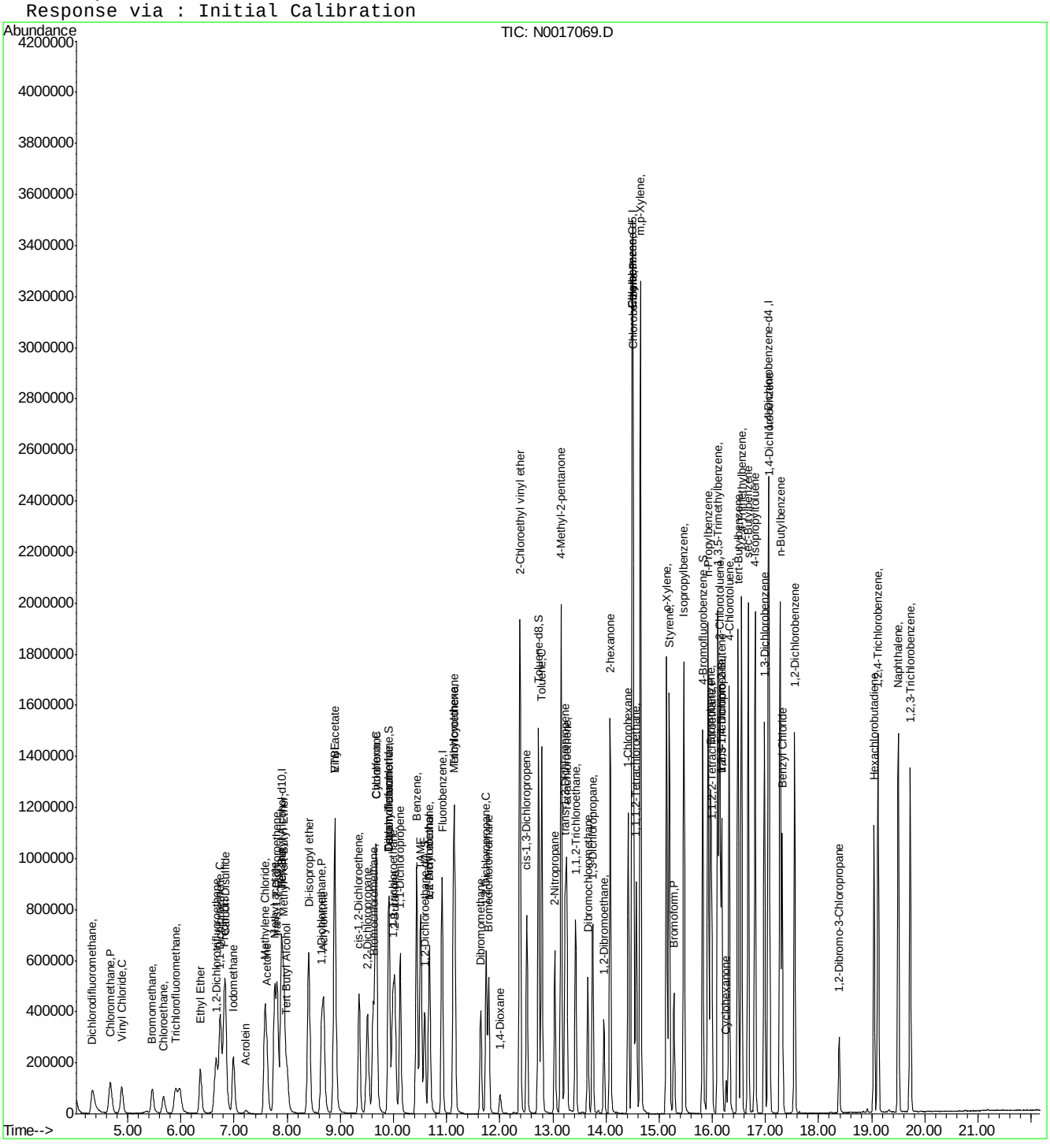
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
91)	Naphthalene	19.50	128	1293740	39.97	ug/L	99
92)	1,2,3-Trichlorobenzene	19.72	180	492949	38.72	ug/L	97
94)	Acrolein	7.22	56	22248	242.08	ug/L	96
95)	Tert Butyl Alcohol	8.00	59	328716	408.90	ug/L	99
96)	tert Amyl alcohol	10.68	59	256711	428.51	ug/L	96
97)	1,4-Dioxane	12.00	88	74671	795.53	ug/L	89

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\2\DATA\021207\N0017069.D Vial: 7
Acq On : 12 Feb 2007 2:19 pm Operator: calvins
Sample : icv725-4 Inst : MSVOA8
Misc : ms7410,vn725,,,,,1 Multiplr: 1.00
MS Integration Params: Big.p
Quant Time: Feb 12 14:41 2007 Quant Results File: 8260N.RES

Method : C:\MSDCHEM\2\METHODS\8260N.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Mon Feb 12 15:46:07 2007
Response via : Initial Calibration



ACCUTEST Laboratories F47081

MS VOA7-M ANALYSIS LOG

DATE:	02/12/07
COLUMN TYPE:	DB624
DETECTOR: 5973 MSD	
INSTRUMENT: MSVOA7-M	
ANALYST:	CS

METHODS:*	8260
METHOD FILE:	8260M
CALIB. DATE:	02/12/07
RUN ID:	VM 744

STANDARDS			
BFB		V7199E	
ICAL/CCV	V7210	V7209	V7214
ISTD/SURR		V7195	
ICV/QC	V7204	V7189	V7217

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	ALS METHOD	ALS POSITION	ANALYTICAL METHOD	PH	CI ?	RR	COMMENTS
M0017916	BFB	NA	W	NA	NA	8260	NA	NA	NA	✓ Failed
M 17	BFB									✓ Auto Passed, but had 2 unusual peaks.
M 18	BFB									✓ Blank BFB, changed receptor
M 19	BFB									✓ Failed after ↑ mass target @ 131, 219
M 20	BFB									✓ ↓ DNLR @ 219
M 21	BFB									✓
M 22	BFB									✓ ↑ DNLR @ 414, 512
M 23	BFB									✓ Auto passed w/ filament 2
M 24	Tc744-1				1					✓
M 25	2				2					✓
M 26	3				3					✓
M 27	Tcc744-4				4					✓
M 28	Tc744-5				5					✓
M 29	6				6					✓
M 30	Tcv744-4				7					✓ Passed
M 31	BS				8					✓ Passed
M 32	MB				9					ND
M 33	F46976-17, 50X	2			10		1	N	N	✓
M 34	17ms, 50x	2			11		1			✓
M 35	17msd, 50x	2		2	11		1			✓
M 36	13, 20x	2			12		1			✓
M 37	F47001-1	2			13		1			ND
M 38	2	2			14		1			✓
M 39	3	2			15		1			ND
M 40	4	2			16		1			✓
M 41	6	2			17		1			ND

Notes:

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 and Method 624 includes analytes by SOP MS003

MS VOA7-M ANALYSIS LOG

DATE:	02/12/07
COLUMN TYPE:	DB624
DETECTOR:	5973 MSD
INSTRUMENT:	MSVOA7-M
ANALYST:	CS

METHODS:*	8260
METHOD FILE:	8260M
CALIB. DATE:	02/12/07
RUN ID:	VM 744

STANDARDS			
BFB		V7199E	
ICAL/CCV	V7210	V7209	V7214
ISTD/SURR		V7195	
ICV/QC	V7204	V7189	V7217

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	ALS METHOD	ALS POSITION	ANALYTICAL METHOD	PH	CI ?	RR	COMMENTS
M 0017942	F47001-7	2	W	2	18	8260	1	N	N	✓
M 43	9	2	↓	↓	19	↓	1	↓	↓	ND
M 44	11	2	↓	↓	20	↓	1	↓	↓	ND
M 45	12	2	↓	↓	21	↓	1	↓	↓	✓
M 46	13	2	↓	↓	22	↓	1	↓	↓	✓
M 47	15	2	↓	↓	23	↓	1	↓	↓	✓
M 48	16	2	↓	↓	24	↓	1	↓	↓	ND
M 49	Blank	NA	↓	↓	25	↓	NA	NA	NA	✓
M										
M										
M										
M										
M										
M										
M										
M										
M										
M										
M										CS
M										02/13/07
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Notes:____

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 and Method 624 includes analytes by SOP MS003

MS VOA7-M ANALYSIS LOG

DATE:	02/13/07
COLUMN TYPE:	DB624
DETECTOR:	5973 MSD
INSTRUMENT:	MSVOA7-M
ANALYST:	CS

METHODS:*	8260
METHOD FILE:	8260M
CALIB. DATE:	02/12/07
RUN ID:	VM 745

STANDARDS			
BFB		V7199E	
ICAL/CCV	V7210	V7209	V7214
ISTD/SURR		V7195	
ICV/QC	V7220	V7189	V7217

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	ALS METHOD	ALS POSITION	ANALYTICAL METHOD	PH	CI ?	RR	COMMENTS
M 0017950	BFB	NA	W	NA	NA	8260	NA	NA	NA	✓ Auto passed
M 51	CC744-4	1		1	1		1			✓ Passed
M 52	BS				2					✓ Passed
M 53	MB				3					✓ Acetone was present
M 54	F47149-1	2			4		1	N	N	✓
M 55	2	2			5		1			✓
M 56	3	2			6		1			✓
M 57	4	2			7		6			✓ Foamy, pH diff from vial 1 & 3
M 58	F47081-8	1			8		1			✓
M 59	F47149-4	3			9		1		5X	✓ afa added, still foamy
M 60	1 ms	3			10		1		N	✓
M 61	1 msd	3		2	10		1			✓
M 62	4, 5X	3			11		1			✓ afa added, H.S.
M 63	F47019-3	3			12		6			✓ Bromoform required to change to linear
M 64	4, 20X	3			13		6			✓
M 65	5	3			14		1			✓
M 66	F47001-8, 5X	2			15		1		1X	✓
M 67	10, 10X	2			16		1		1X	✓
M 68	14, 50X	2			17		1		1X	✓
M 69	F47112-1, 5X	1			18		1		N	✓
M 70	2, 2X	1			19		1			✓
M 71	3	1			20		1			ND
M 72	F47066-1, 5X	2			21		6			✓
M 73	2, 500X	2			22		6			✓
M 74	3, 200X	2			23		6			✓
M 75	F47001-5, 5X	2			24		1		1X	✓
M 76	MB, afa	NA			25		NA	NA	NA	✓

Notes: CS 02/14/07

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 and Method 624 includes analytes by SOP MS003

Accutest Laboratories SE

MSVOA7_M_log.xls NF 12/05

MS VOA7-M ANALYSIS LOG

DATE:	02/14/07
COLUMN TYPE:	DB624
DETECTOR:	5973 MSD
INSTRUMENT:	MSVOA7-M
ANALYST:	CS

METHODS:*	8260
METHOD FILE:	8260M
CALIB. DATE:	02/12/07
RUN ID:	VM 746

STANDARDS			
BFB		V7199E	
ICAL/CCV	V7210	V7209	V7214
ISTD/SURR		V7195	
ICV/QC	V7220	V7189	V7217

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	ALS METHOD	ALS POSITION	ANALYTICAL METHOD	PH	CI ?	RR	COMMENTS
M 0017977	BFB	NA	W	NA	NA	8260	NA	NA	NA	✓ Auto passed
M 78	CC744-4	1		1	1					✓ Passed
M 79	BS				2					✓ Passed
M 80	MB				3					ND
M 81	F47081-7	2			4			N	N	✓
M 82	9	1			5					ND
M 83	F47001-5	3			6					✓
M 84	8	3			7					✓
M 85	10	3			8					✓
M 86	14	3			9					✓
M 87	F47081-7 ms	3			10					✓
M 88	7msd	3		2	10					✓
M 89	F47001-17	2			11					✓
M 90	18	1			12					ND
M 91	F47176-1	2			13					✓
M 92	2	2			14					✓
M 93	4	2			15					✓
M 94	5	2			16					✓
M 95	6	2			17					✓
M 96	7	1			18					ND
M 97	F47172-1	2			19					✓
M 98	F47103-17	2			20				5X	✓
M 99	18, 50X	2			21				N	✓
M 0018000	19, 50X	2			22					✓
M 01	F47173-1, 25X	2			23					✓
M 02	F47103-20	1			24					✓ ND

Notes:

CS 02/15/07

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 and Method 624 includes analytes by SOP MS003

ACCUTEST LABORATORIES SE

DATE:	02/12/07
COLUMN TYPE:	RTX-VMS
DETECTOR:	5973 MSD
INSTRUMENT:	MSVOA8-N
PURGE PRESSURE:	11.4 psi
ANALYST:	CS

MS VOA8-N ANALYSIS LOG

METHODS:*	8260
METHOD FILE:	8260N
CALIB. DATE:	02/12/07
EM VOLTAGE:	2318
BFB RESPONSE:	828102
RUN ID:	VN 725

STANDARDS

BFB:	V7194E		
ICAL/CCV:	V7210	V7209	V7214
ISTD/SURR:	V7182		
ICV/QC:	V7204	V7189	V7217

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	ALS METHOD	ALS POSITION	ANALYTICAL METHOD	PH	CI ?	RR	COMMENTS
N 0017057	BFB	NA	W	NA	NA	8260	NA	NA	NA	✓ Failed
N 58	BFB	↓	↓	↓	↓	↓	↓	↓	↓	✓ Auto passed
N 59	CC714-4			1	1					✓ Failed
N 60	CC714-4			↓	1					✓ ↓
N 61	BFB			NA	NA					✓ Failed
N 62	BFB			↓	↓					✓ Auto passed w/ filament 2
N 63	Ic725-1			1	1					✓
N 64	2				2					✓
N 65	3				3					✓
N 66	Icc725-4				4					✓
N 67	Ic725-5				5					✓
N 68	6				6					✓
N 69	Icv725-4				7					✓ Passed
N 70	BS				8					✓ Passed
N 71	MB	↓			9		↓	↓	↓	ND
N 72	F47019-1, 100x	2			10		1	N	N	✓
N 73	1ms, 100x	2		↓	11		1			✓
N 74	1msd, 100x	2		2	11		1			✓
N 75	2, 1000x	2			12		1		↓	✓
N 76	4, 500x	2			13		6		20x	✓
N 77	F47081-1	2			14		1		N	✓
N 78	2	2			15		1			✓
N 79	3	2			16		1			✓
N 80	4	2			17		1			✓
N 81	5	2			18		1			✓
N 82	6	2			19		1			✓
N 83	F47018-1, 20x	2	↓	↓	20	↓	1	↓	↓	✓ ND

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 and Method 624 includes analytes by SOP MS003

Analyst's Signature: Cal So

ACCUTEST LABORATORIES SE

DATE:	02/12/07
COLUMN TYPE:	RTX-VMS
DETECTOR:	5973 MSD
INSTRUMENT:	MSVOA8-N
PURGE PRESSURE:	11.4psi
ANALYST:	CS

MS VOA8-N ANALYSIS LOG

METHODS:*	8260
METHOD FILE:	8260N
CALIB. DATE:	02/12/07
EM VOLTAGE:	2318
BFB RESPONSE:	828 102
RUN ID:	VN 725

STANDARDS

BFB:		V7199E	
ICAL/CCV:	V7210	V7209	V7214
ISTD/SURR:		V7182	
ICV/QC:	V7204	V7189	V7217

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	ALS METHOD	ALS POSITION	ANALYTICAL METHOD	PH	CI ?	RR	COMMENTS
N 0017084	F47019-5, 10x	2	W	2	21	8260	1	N	N	✓
N 85	3, 5x	2	↓	↓	22	↓	6	↓	↓	✓
N 86	F47084-2cf	2	↓	↓	23	↓	1	↓	↓	✓
N 87	3cf	2	↓	↓	24	↓	1	↓	↓	✓
N 88	F47149-1, 50x	1	↓	↓	25	↓	1	↓	1X	✓ screen
N 89	2, 50x	1	↓	↓	26	↓	1	↓	1X	✓ ↓
N 90	3, 50x	1	↓	↓	27	↓	1	↓	1X	✓ ↓
N 91	4, 50x	1	↓	↓	28	↓	1	↓	1X	✓ ↓
N 92	Blank	NA	↓	↓	29	↓	NA	NA	NA	ND
N 93	Blank	↓	↓	↓	30	↓	↓	↓	↓	ND
N 94	Blank	↓	↓	↓	31	↓	↓	↓	↓	ND
N										
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Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 and Method 624 includes analytes by SOP MS003

Analyst's Signature: Carl Eo

MSVOA8_N_log.xls NF 11/06

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP19508-MB	EE046248.D	1	02/19/07	MRE	02/14/07	OP19508	GEE1733

The QC reported here applies to the following samples: **Method:** SW846 8310

F47081-1, F47081-2, F47081-3, F47081-4, F47081-5, F47081-6, F47081-7, F47081-8

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	4.0	1.0	ug/l	
120-12-7	Anthracene	ND	2.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.10	ug/l	
218-01-9	Chrysene	ND	2.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.50	ug/l	
86-73-7	Fluorene	ND	2.0	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	
85-01-8	Phenanthrene	ND	2.0	1.0	ug/l	
129-00-0	Pyrene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	73%	43-121%
92-94-4	p-Terphenyl	85%	30-122%

Method Blank Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP19488-MB	OP69936.D	1	02/14/07	FS	02/13/07	OP19488	GOP1856

The QC reported here applies to the following samples: **Method:** FLORIDA-PRO

F47081-1, F47081-2, F47081-3, F47081-4, F47081-5, F47081-6, F47081-7, F47081-8

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	97%	38-122%

Method Blank Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP19488-MB	IJ36975.D	1	02/14/07	FS	02/13/07	OP19488	GIJ1544

The QC reported here applies to the following samples: **Method:** FLORIDA-PRO

F47081-1, F47081-2, F47081-3, F47081-4, F47081-5, F47081-6, F47081-7, F47081-8

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	81%	38-122%

Blank Spike Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP19508-BS	EE046247.D	1	02/19/07	MRE	02/14/07	OP19508	GEE1733

The QC reported here applies to the following samples: **Method:** SW846 8310

F47081-1, F47081-2, F47081-3, F47081-4, F47081-5, F47081-6, F47081-7, F47081-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	20	17.2	86	60-102
208-96-8	Acenaphthylene	20	17.3	87	66-108
120-12-7	Anthracene	10	8.5	85	64-107
56-55-3	Benzo(a)anthracene	10	9.1	91	70-108
50-32-8	Benzo(a)pyrene	10	9.1	91	72-115
205-99-2	Benzo(b)fluoranthene	10	9.3	93	73-111
191-24-2	Benzo(g,h,i)perylene	10	9.2	92	69-113
207-08-9	Benzo(k)fluoranthene	10	9.1	91	70-111
218-01-9	Chrysene	10	9.3	93	71-111
53-70-3	Dibenzo(a,h)anthracene	10	9.3	93	71-114
206-44-0	Fluoranthene	20	18.6	93	68-110
86-73-7	Fluorene	20	17.3	87	63-102
193-39-5	Indeno(1,2,3-cd)pyrene	10	9.0	90	69-110
91-20-3	Naphthalene	20	14.8	74	55-94
90-12-0	1-Methylnaphthalene	20	15.8	79	55-97
91-57-6	2-Methylnaphthalene	20	15.1	76	51-97
85-01-8	Phenanthrene	20	18.5	93	67-108
129-00-0	Pyrene	20	18.5	93	71-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	88%	43-121%
92-94-4	p-Terphenyl	93%	30-122%

Blank Spike Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP19488-BS	OP69935.D	1	02/14/07	FS	02/13/07	OP19488	GOP1856

The QC reported here applies to the following samples: **Method:** FLORIDA-PRO

F47081-1, F47081-2, F47081-3, F47081-4, F47081-5, F47081-6, F47081-7, F47081-8

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C8-C40)	0.85	0.796	94	54-110

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	101%	38-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP19508-MS	EE046260.D	1	02/19/07	MRE	02/14/07	OP19508	GEE1733
OP19508-MSD	EE046261.D	1	02/19/07	MRE	02/14/07	OP19508	GEE1733
F47081-5	EE046259.D	1	02/19/07	MRE	02/14/07	OP19508	GEE1733

The QC reported here applies to the following samples: **Method:** SW846 8310

F47081-1, F47081-2, F47081-3, F47081-4, F47081-5, F47081-6, F47081-7, F47081-8

CAS No.	Compound	F47081-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	4.0	U	40	28.9	72	29.7	74	3	60-102/33
208-96-8	Acenaphthylene	4.0	U	40	29.5	74	30.3	76	3	66-108/32
120-12-7	Anthracene	2.0	U	20	14.1	71	14.5	73	3	64-107/28
56-55-3	Benzo(a)anthracene	0.20	U	20	16.1	81	16.9	85	5	70-108/19
50-32-8	Benzo(a)pyrene	0.20	U	20	15.6	78	16.7	84	7	72-115/20
205-99-2	Benzo(b)fluoranthene	0.20	U	20	16.2	81	17.2	86	6	73-111/20
191-24-2	Benzo(g,h,i)perylene	0.20	U	20	15.2	76	16.7	84	9	69-113/22
207-08-9	Benzo(k)fluoranthene	0.20	U	20	15.6	78	16.8	84	7	70-111/21
218-01-9	Chrysene	2.0	U	20	16.6	83	17.5	88	5	71-111/20
53-70-3	Dibenzo(a,h)anthracene	0.20	U	20	15.2	76	16.9	85	11	71-114/23
206-44-0	Fluoranthene	2.0	U	40	31.9	80	32.7	82	2	68-110/17
86-73-7	Fluorene	2.0	U	40	28.9	72	29.8	75	3	63-102/25
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	U	20	15.1	76	16.5	83	9	69-110/22
91-20-3	Naphthalene	2.0	U	40	25.9	65	26.9	67	4	55-94/28
90-12-0	1-Methylnaphthalene	2.0	U	40	26.9	67	27.7	69	3	55-97/29
91-57-6	2-Methylnaphthalene	2.0	U	40	25.7	64	26.6	67	3	51-97/25
85-01-8	Phenanthrene	2.0	U	40	30.7	77	31.8	80	4	67-108/22
129-00-0	Pyrene	2.0	U	40	31.9	80	32.5	81	2	71-107/17

CAS No.	Surrogate Recoveries	MS	MSD	F47081-5	Limits
84-15-1	o-Terphenyl	72%	75%	89%	43-121%
92-94-4	p-Terphenyl	72%	79%	72%	30-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP19488-MS	OP69938.D	1	02/14/07	FS	02/13/07	OP19488	GOP1856
OP19488-MSD	OP69939.D	1	02/14/07	FS	02/13/07	OP19488	GOP1856
F47028-1	OP69937.D	1	02/14/07	FS	02/13/07	OP19488	GOP1856

The QC reported here applies to the following samples: **Method:** FLORIDA-PRO

F47081-1, F47081-2, F47081-3, F47081-4, F47081-5, F47081-6, F47081-7, F47081-8

CAS No.	Compound	F47028-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C8-C40)	ND		1.67	1.59	95	1.62	97	2	54-110/28

CAS No.	Surrogate Recoveries	MS	MSD	F47028-1	Limits
84-15-1	o-Terphenyl	91%	94%	88%	38-122%

Semivolatile Surrogate Recovery Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Method: SW846 8310 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
F47081-1	EE046255.D	120.0		70.0	
F47081-2	EE046256.D	73.0		71.0	
F47081-3	EE046257.D	85.0		70.0	
F47081-4	EE046258.D	94.0		54.0	
F47081-5	EE046259.D	89.0		72.0	
F47081-6	EE046262.D	85.0		87.0	
F47081-7	EE046263.D		100.0		73.0
F47081-8	EE046264.D	84.0		72.0	
OP19508-BS	EE046247.D	88.0		93.0	
OP19508-MB	EE046248.D	73.0		85.0	
OP19508-MS	EE046260.D	72.0		72.0	
OP19508-MSD	EE046261.D	75.0		79.0	

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	43-121%
S2 = p-Terphenyl	30-122%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

Semivolatile Surrogate Recovery Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Method: FLORIDA-PRO **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
F47081-1	IJ36976.D	79.0
F47081-2	IJ36977.D	73.0
F47081-3	OP69954.D	43.0
F47081-4	OP69955.D	89.0
F47081-5	OP69956.D	92.0
F47081-6	OP69959.D	89.0
F47081-7	IJ36978.D	93.0
F47081-8	OP69961.D	98.0
OP19488-BS	OP69935.D	101.0
OP19488-MB	OP69936.D	97.0
OP19488-MB	IJ36975.D	81.0
OP19488-MS	OP69938.D	91.0
OP19488-MSD	OP69939.D	94.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	38-122%

(a) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Check Std:	GEE1733-CC1620	**Injection Date:**	02/19/07
Lab File ID:	EE046242.D	**Injection Time:**	12:53
Instrument ID:	GCEE	**Method:**	SW846 8310

	S1 [a] RT	S2 [a] RT
Check Std	6.20	8.35

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
OP19520-MB	EE046243.D	02/19/07	13:12	6.19	8.34
ZZZZZZ	EE046244.D	02/19/07	13:32	6.20	8.35
ZZZZZZ	EE046245.D	02/19/07	13:51	6.20	8.35
ZZZZZZ	EE046246.D	02/19/07	14:10	6.20	8.35
OP19508-BS	EE046247.D	02/19/07	14:29	6.19	8.34
OP19508-MB	EE046248.D	02/19/07	14:48	6.20	8.34
ZZZZZZ	EE046249.D	02/19/07	15:07	6.19	8.35
ZZZZZZ	EE046250.D	02/19/07	15:27	6.19	8.35
ZZZZZZ	EE046251.D	02/19/07	15:46	6.19	8.35
ZZZZZZ	EE046252.D	02/19/07	16:05	6.19	8.35

Surrogate Compounds

S1 = o-Terphenyl
S2 = p-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Check Std:	GEE1733-CC1620	**Injection Date:**	02/19/07
Lab File ID:	EE046253.D	**Injection Time:**	16:24
Instrument ID:	GCEE	**Method:**	SW846 8310

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	6.19	6.19	8.34	8.34

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
F47081-1	EE046255.D	02/19/07	17:03	6.18		8.34	
F47081-2	EE046256.D	02/19/07	17:22	6.19		8.35	
F47081-3	EE046257.D	02/19/07	17:26	6.19		8.34	
F47081-4	EE046258.D	02/19/07	18:00	6.19		8.35	
F47081-5	EE046259.D	02/19/07	18:19	6.19		8.35	
OP19508-MS	EE046260.D	02/19/07	18:38	6.19		8.35	
OP19508-MSD	EE046261.D	02/19/07	18:58	6.19		8.35	
F47081-6	EE046262.D	02/19/07	19:17	6.19		8.35	
F47081-7	EE046263.D	02/19/07	19:36		6.19		8.35
F47081-8	EE046264.D	02/19/07	19:55	6.20		8.35	

Surrogate Compounds

S1 = o-Terphenyl
S2 = p-Terphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Check Std:	GIJ1544-CC1527	**Injection Date:**	02/14/07
Lab File ID:	IJ36972.D	**Injection Time:**	10:52
Instrument ID:	GCIJ	**Method:**	FLORIDA-PRO

	S1 [a] **RT**
Check Std	5.61

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
OP19488-MB	IJ36975.D	02/14/07	11:59	5.61
F47081-1	IJ36976.D	02/14/07	12:21	5.60
F47081-2	IJ36977.D	02/14/07	12:43	5.61
F47081-7	IJ36978.D	02/14/07	13:06	5.61
OP19501-BS	IJ36979.D	02/14/07	13:28	5.61
OP19501-MB	IJ36980.D	02/14/07	13:50	5.61
ZZZZZZ	IJ36981.D	02/14/07	14:12	5.61
F47122-2	IJ36982.D	02/14/07	14:35	5.61
OP19501-MS	IJ36983.D	02/14/07	14:57	5.61
OP19501-MSD	IJ36984.D	02/14/07	15:19	5.61

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Check Std:	GOP1856-CC1844	**Injection Date:**	02/13/07
Lab File ID:	OP69933.D	**Injection Time:**	23:24
Instrument ID:	GCOP	**Method:**	FLORIDA-PRO

	S1 [a] **RT**
Check Std	5.71

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
OP19488-BS	OP69935.D	02/14/07	00:09	5.71
OP19488-MB	OP69936.D	02/14/07	00:32	5.71
F47028-1	OP69937.D	02/14/07	00:54	5.71
OP19488-MS	OP69938.D	02/14/07	01:17	5.71
OP19488-MSD	OP69939.D	02/14/07	01:40	5.71
ZZZZZZ	OP69940.D	02/14/07	02:02	5.71
ZZZZZZ	OP69941.D	02/14/07	02:25	5.71
ZZZZZZ	OP69942.D	02/14/07	02:47	5.71
ZZZZZZ	OP69943.D	02/14/07	03:10	5.71
ZZZZZZ	OP69944.D	02/14/07	03:33	5.71

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Check Std:	GOP1856-CC1844	**Injection Date:**	02/14/07
Lab File ID:	OP69945.D	**Injection Time:**	03:55
Instrument ID:	GCOP	**Method:**	FLORIDA-PRO

	S1 [a] **RT**
Check Std	5.71

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
ZZZZZZ	OP69947.D	02/14/07	04:41	5.71
ZZZZZZ	OP69948.D	02/14/07	05:03	5.71
ZZZZZZ	OP69949.D	02/14/07	05:26	5.71
ZZZZZZ	OP69950.D	02/14/07	05:49	5.71
ZZZZZZ	OP69951.D	02/14/07	06:11	5.71
F47081-3	OP69954.D	02/14/07	07:20	5.71
F47081-4	OP69955.D	02/14/07	07:42	5.71
F47081-5	OP69956.D	02/14/07	08:05	5.71

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Check Std:	GOP1856-CC1844	**Injection Date:**	02/14/07
Lab File ID:	OP69957.D	**Injection Time:**	08:27
Instrument ID:	GCOP	**Method:**	FLORIDA-PRO

	S1 [a] **RT**
Check Std	5.71

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
F47081-6	OP69959.D	02/14/07	09:13	5.71
F47081-8	OP69961.D	02/14/07	09:58	5.71

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

Initial Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GEE1620-ICC1620
Lab FileID: EE042458.D

Response Factor Report G1315B

Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Sep 05 11:42:13 2006
Response via : Initial Calibration

Calibration Files
L1 =EE042455.D L2 =EE042456.D L3 =EE042457.D L4 =EE042458.D
L5 =EE042459.D L6 =EE042460.D L7 =EE042461.D ICV =EE042463.D

Compound	L1	L2	L3	L4	L5	L6	L7	ICV	Avg	%RSD
1) Naphthalene	4.773	4.862	5.007	5.030	5.174	4.871	4.869		4.941 E5	2.76
2) Acenaphthyle	2.000	1.930	1.976	2.002	2.064	1.946	1.947		1.981 E5	2.33
3) 1-Methyl Nap	3.892	3.967	4.082	4.124	4.246	4.004	3.999		4.045 E5	2.88
4) 2-Methyl Nap	4.003	4.025	4.141	4.184	4.305	4.059	4.059		4.111 E5	2.60
5) Acenaphthene	2.875	2.978	3.061	3.101	3.190	2.999	2.996		3.029 E5	3.32
6) Fluorene	1.120	1.127	1.158	1.171	1.203	1.128	1.124		1.147 E6	2.72
7) Phenanthrene	0.978	0.983	1.008	1.017	1.042	0.972	0.968		0.995 E6	2.76
8) O-Terphenyl	3.857	3.574	3.750	3.789	3.904	3.616	3.613		3.729 E5	3.49
9) Anthracene	1.437	1.406	1.367	1.327	1.294	1.154	1.122		1.301 E5	9.32
10) Fluoranthene	8.001	8.018	8.408	8.414	8.637	8.071	8.040		8.227 E5	3.10
11) Pyrene	1.266	1.273	1.316	1.304	1.312	1.192	1.163		1.261 E6	4.78
12) P-Terphenyl	1.500	1.397	1.413	1.412	1.451	1.334	1.330		1.405 E6	4.31
13) Benzo(a)Anth	2.199	2.229	2.291	2.294	2.355	2.200	2.189		2.251 E6	2.80
14) Chrysene	2.833	2.880	2.940	2.922	2.952	2.683	2.609		2.831 E6	4.75
15) Benzo(b)Fluo	1.086	1.097	1.124	1.125	1.156	1.085	1.088		1.109 E6	2.45
16) Benzo(k)Fluo	6.200	6.247	6.660	6.671	6.855	6.445	6.477		6.508 E5	3.64
17) Benzo(a) Pyr	1.188	1.184	1.228	1.228	1.263	1.188	1.188		1.210 E6	2.51
18) Dibenzo(a,h)	9.300	8.983	9.190	9.214	9.506	8.934	9.026		9.165 E5	2.20
19) Benzo(g,h,i)	6.345	6.326	6.514	6.534	6.736	6.332	6.328		6.445 E5	2.43
20) Indeno(1,2,3	4.824	4.936	5.095	5.110	5.261	4.945	4.942		5.016 E5	2.92

Signal #2

1) Naphthalene	2.890	2.891	3.014	3.007	3.084	2.890	2.887		2.952 E5	2.76
2) Acenaphthyle	2.010	1.980	2.001	1.998	2.039	1.922	1.919		1.981 E5	2.28
3) 1-Methyl Nap	1.740	1.699	1.787	1.796	1.837	1.728	1.724		1.759 E5	2.79
4) 2-Methyl Nap	2.490	2.454	2.515	2.537	2.598	2.445	2.443		2.497 E5	2.29
5) Acenaphthene	1.031	1.069	1.066	1.084	1.098	1.023	1.017		1.055 E5	3.01
6) Fluorene	1.242	1.249	1.280	1.292	1.326	1.242	1.237		1.267 E6	2.66
7) Phenanthrene	3.302	3.318	3.377	3.378	3.406	3.047	2.884		3.245 E6	6.15
8) O-Terphenyl	6.094	6.059	6.166	6.296	6.460	5.983	5.974		6.147 E5	2.88
9) Anthracene	6.938	6.973	6.977	6.794	6.368	5.031	4.419		6.214 E6	16.96

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993
Response Ratio = 0.00000 + 7402712.70358 *A + -60359.05962 *A^2

10) Fluoranthene	7.812	7.827	8.173	8.312	8.534	7.987	7.968		8.088 E5	3.29
11) Pyrene	7.398	7.293	7.590	7.626	7.799	7.268	7.234		7.458 E5	2.89
12) P-Terphenyl	7.641	6.956	7.037	7.039	7.222	6.641	6.620		7.022 E5	4.99
13) Benzo(a)Anth	1.615	1.638	1.686	1.692	1.743	1.637	1.638		1.664 E6	2.69
14) Chrysene	2.279	2.322	2.386	2.390	2.448	2.278	2.268		2.339 E6	2.98
15) Benzo(b)Fluo	0.992	0.993	1.016	1.015	1.041	0.971	0.967		0.999 E6	2.65
16) Benzo(k)Fluo	1.434	1.451	1.490	1.494	1.536	1.442	1.440		1.470 E6	2.60
17) Benzo(a) Pyr	0.983	0.979	1.003	1.003	1.026	0.958	0.951		0.986 E6	2.71
18) Dibenzo(a,h)	2.354	2.331	2.376	2.365	2.407	2.218	2.200		2.322 E6	3.46
19) Benzo(g,h,i)	1.027	1.017	1.044	1.047	1.075	1.006	1.002		1.031 E6	2.50
20) Indeno(1,2,3	6.690	6.743	6.927	6.948	7.160	6.730	6.726		6.846 E5	2.52

Initial Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GEE1620-ICC1620
Lab FileID: EE042458.D

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

          8310_32.M         Tue Sep 05 13:32:09 2006
```

Initial Calibration Verification

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GEE1620-ICV1620
Lab FileID: EE042463.D

Evaluate Continuing Calibration Report

```
Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042463.D\dad1B.ch Vial: 11
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042463.D\dad1A.ch
Acq On    : 01-Sep-2006, 15:15:10                    Operator: MIKEE
Sample    : ICV1620-40                               Inst    : G1315B
Misc      : op17708,gee1620,1000,,,1,,water          Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: events2.e

Method       : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title        : PAH's BY EPA  8310
Last Update  : Tue Sep 05 11:42:13 2006
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Naphthalene	40.000	41.674	-4.2	0	0.00	3.59- 4.09
2		Acenaphthylene	40.000	44.115	-10.3	0	0.00	4.08- 4.58
3		1-Methyl Naphthalene	40.000	42.109	-5.3	0	0.00	4.45- 4.95
4		2-Methyl Naphthalene	40.000	40.876	-2.2	0	0.00	4.66- 5.16
5		Acenaphthene	40.000	42.331	-5.8	0	0.00	4.86- 5.36
6		Fluorene	40.000	42.143	-5.4	0	0.00	5.03- 5.53
7		Phenanthrene	40.000	42.002	-5.0	0	0.00	5.56- 6.06
8	S	O-Terphenyl		----------NA----------				
9		Anthracene	20.000	19.684	1.6	0	0.00	6.18- 6.68
10		Fluoranthene	40.000	42.444	-6.1	0	0.00	6.69- 7.19
11		Pyrene	40.000	41.199	-3.0	0	0.00	7.14- 7.64
12	S	P-Terphenyl		----------NA----------				
13		Benzo(a)Anthracene	20.000	20.660	-3.3	0	0.00	8.46- 8.96
14		Chrysene	20.000	20.489	-2.4	0	0.00	8.85- 9.35
15		Benzo(b)Fluoranthene	20.000	20.983	-4.9	0	0.00	9.68-10.18
16		Benzo(k)Fluoranthene	20.000	20.664	-3.3	0	0.00	10.23-10.73
17		Benzo(a) Pyrene	20.000	21.191	-6.0	0	0.00	10.72-11.22
18		Dibenzo(a,h)anthracene	20.000	20.692	-3.5	0	0.00	11.33-12.33
19		Benzo(g,h,i) Perylene	20.000	20.590	-2.9	0	0.00	11.77-12.77
20		Indeno(1,2,3-cd)pyrene	20.000	20.516	-2.6	0	0.00	12.40-13.40

***** Signal #2 *****

1		Naphthalene	40.000	40.974	-2.4	0	0.00	3.59- 4.09
2		Acenaphthylene	40.000	45.208	-13.0	0	0.00	4.08- 4.58
3		1-Methyl Naphthalene	40.000	41.827	-4.6	0	0.00	4.45- 4.95
4		2-Methyl Naphthalene	40.000	40.706	-1.8	0	0.00	4.66- 5.16
5		Acenaphthene	40.000	41.804	-4.5	0	0.00	4.86- 5.36
6		Fluorene	40.000	42.304	-5.8	0	0.00	5.03- 5.53
7		Phenanthrene	40.000	42.470	-6.2	0	0.00	5.56- 6.06
8	S	O-Terphenyl		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
9		Anthracene	20.000	20.997	-5.0	0	0.00	6.18- 6.68
		----------	Amount	Calc.	%Drift		----------	
10		Fluoranthene	40.000	42.631	-6.6	0	0.00	6.69- 7.19
11		Pyrene	40.000	40.863	-2.2	0	0.00	7.14- 7.64
12	S	P-Terphenyl		----------NA----------				
13		Benzo(a)Anthracene	20.000	20.731	-3.7	0	0.00	8.46- 8.96
14		Chrysene	20.000	20.622	-3.1	0	0.00	8.85- 9.35

Initial Calibration Verification

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GEE1620-ICV1620
Lab FileID: EE042463.D

15	Benzo(b)Fluoranthene	20.000	20.870	-4.4	0	0.00	9.68-10.18
16	Benzo(k)Fluoranthene	20.000	20.679	-3.4	0	0.00	10.23-10.73
17	Benzo(a) Pyrene	20.000	21.106	-5.5	0	0.00	10.72-11.22
18	Dibenzo(a,h)anthracene	20.000	20.653	-3.3	0	0.00	11.33-12.33
19	Benzo(g,h,i) Perylene	20.000	20.761	-3.8	0	0.00	11.77-12.77
20	Indeno(1,2,3-cd)pyrene	20.000	20.460	-2.3	0	0.00	12.40-13.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EE042463.D 8310_32.M Tue Sep 05 13:32:44 2006

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209
Sample: GEE1733-CC1620
Lab FileID: EE046242.D

Evaluate Continuing Calibration Report

```
Signal #1 : P:\DATA\0219PAH\EE046242.D\dad1B.ch          Vial: 2
Signal #2 : P:\DATA\0219PAH\EE046242.D\dad1A.ch
Acq On    : 19-Feb-2007, 12:53:43                    Operator: MIKEE
Sample    : CC1620-10                                Inst    : G1315B
Misc      : op19520,gee1733,1000,,,1,,water          Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: events2.e

Method       : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title        : PAH's BY EPA  8310
Last Update  : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Naphthalene	10.000	10.428	-4.3	103	0.01	3.62- 4.12
2		Acenaphthylene	10.000	10.224	-2.2	103	0.01	4.11- 4.61
3		1-Methyl Naphthalene	10.000	10.406	-4.1	103	0.01	4.48- 4.98
4		2-Methyl Naphthalene	10.000	10.346	-3.5	103	0.00	4.69- 5.19
5		Acenaphthene	10.000	10.453	-4.5	103	0.00	4.88- 5.38
6		Fluorene	10.000	10.325	-3.2	102	0.00	5.06- 5.56
7		Phenanthrene	10.000	10.387	-3.9	103	0.00	5.59- 6.09
8	S	O-Terphenyl	10.000	9.750	2.5	97	0.00	5.94- 6.44
9		Anthracene	5.000	5.406	-8.1	103	0.00	6.21- 6.71
10		Fluoranthene	10.000	10.465	-4.6	102	0.00	6.71- 7.21
11		Pyrene	10.000	10.680	-6.8	102	0.00	7.16- 7.66
12	S	P-Terphenyl	10.000	9.773	2.3	97	0.00	8.09- 8.59
13		Benzo(a)Anthracene	5.000	5.248	-5.0	103	0.00	8.47- 8.97
14		Chrysene	5.000	5.348	-7.0	103	0.00	8.86- 9.36
15		Benzo(b)Fluoranthene	5.000	5.225	-4.5	103	0.00	9.69-10.19
16		Benzo(k)Fluoranthene	5.000	5.242	-4.8	102	0.00	10.23-10.73
17		Benzo(a) Pyrene	5.000	5.187	-3.7	102	0.00	10.72-11.22
18		Dibenzo(a,h)anthracene	5.000	5.240	-4.8	105	0.00	11.33-12.33
19		Benzo(g,h,i) Perylene	5.000	5.285	-5.7	105	0.00	11.77-12.77
20		Indeno(1,2,3-cd)pyrene	5.000	5.224	-4.5	103	0.00	12.40-13.40

***** Signal #2 *****

1		Naphthalene	10.000	10.543	-5.4	103	0.01	3.62- 4.12
2		Acenaphthylene	10.000	10.360	-3.6	103	0.01	4.11- 4.61
3		1-Methyl Naphthalene	10.000	10.470	-4.7	103	0.01	4.48- 4.98
4		2-Methyl Naphthalene	10.000	10.343	-3.4	103	0.00	4.69- 5.19
5		Acenaphthene	10.000	10.651	-6.5	105	0.00	4.88- 5.38
6		Fluorene	10.000	10.352	-3.5	102	0.00	5.06- 5.56
7		Phenanthrene	10.000	10.685	-6.9	103	0.00	5.59- 6.09
8	S	O-Terphenyl	10.000	9.773	2.3	97	0.00	5.94- 6.44
		----------	Amount	Calc.	%Drift			----------
9		Anthracene	5.000	5.009	-0.2	102	0.00	6.21- 6.71
		----------	Amount	Calc.	%Drift			----------
10		Fluoranthene	10.000	10.366	-3.7	103	0.00	6.71- 7.21
11		Pyrene	10.000	10.443	-4.4	103	0.00	7.16- 7.66
12	S	P-Terphenyl	10.000	9.785	2.1	98	0.00	8.09- 8.59
13		Benzo(a)Anthracene	5.000	5.227	-4.5	103	0.00	8.47- 8.97
14		Chrysene	5.000	5.257	-5.1	103	0.00	8.86- 9.36

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GEE1733-CC1620
Lab FileID: EE046242.D

15	Benzo(b)Fluoranthene	5.000	5.246	-4.9	103	0.00	9.69-10.19
16	Benzo(k)Fluoranthene	5.000	5.231	-4.6	103	0.00	10.23-10.73
17	Benzo(a) Pyrene	5.000	5.224	-4.5	103	0.00	10.72-11.22
18	Dibenzo(a,h)anthracene	5.000	5.324	-6.5	104	0.00	11.33-12.33
19	Benzo(g,h,i) Perylene	5.000	5.339	-6.8	105	0.00	11.77-12.77
20	Indeno(1,2,3-cd)pyrene	5.000	5.197	-3.9	103	0.00	12.40-13.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EE042457.D 8310_32.M Tue Feb 20 15:57:20 2007

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209
Sample: GEE1733-CC1620
Lab FileID: EE046253.D

Evaluate Continuing Calibration Report

```
Signal #1 : P:\DATA\0219PAH\EE046253.D\dad1B.ch          Vial: 3
Signal #2 : P:\DATA\0219PAH\EE046253.D\dad1A.ch
Acq On    : 19-Feb-2007, 16:24:38                    Operator: MIKEE
Sample    : CC1620-20                                Inst    : G1315B
Misc      : op19508,gee1733,1000,,,1,,water          Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: events2.e

Method       : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title        : PAH's BY EPA  8310
Last Update  : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Naphthalene	20.000	20.513	-2.6	101	0.00	3.62- 4.12
2		Acenaphthylene	20.000	20.164	-0.8	100	0.00	4.11- 4.61
3		1-Methyl Naphthalene	20.000	20.424	-2.1	100	0.00	4.48- 4.98
4		2-Methyl Naphthalene	20.000	20.314	-1.6	100	0.00	4.69- 5.19
5		Acenaphthene	20.000	20.534	-2.7	100	0.00	4.88- 5.38
6		Fluorene	20.000	20.242	-1.2	99	0.00	5.06- 5.56
7		Phenanthrene	20.000	20.316	-1.6	99	0.00	5.59- 6.09
8	S	O-Terphenyl	20.000	19.171	4.1	94	0.00	5.94- 6.44
9		Anthracene	10.000	9.995	0.1	98	0.00	6.21- 6.71
10		Fluoranthene	20.000	20.561	-2.8	101	0.00	6.71- 7.21
11		Pyrene	20.000	20.810	-4.0	101	0.00	7.16- 7.66
12	S	P-Terphenyl	20.000	19.244	3.8	96	0.00	8.09- 8.59
13		Benzo(a)Anthracene	10.000	10.321	-3.2	101	0.00	8.47- 8.97
14		Chrysene	10.000	10.432	-4.3	101	0.00	8.86- 9.36
15		Benzo(b)Fluoranthene	10.000	10.263	-2.6	101	0.00	9.69-10.19
16		Benzo(k)Fluoranthene	10.000	10.325	-3.2	101	0.00	10.23-10.73
17		Benzo(a) Pyrene	10.000	10.134	-1.3	100	0.00	10.72-11.22
18		Dibenzo(a,h)anthracene	10.000	10.289	-2.9	102	0.00	11.33-12.33
19		Benzo(g,h,i) Perylene	10.000	10.454	-4.5	103	0.00	11.77-12.77
20		Indeno(1,2,3-cd)pyrene	10.000	10.309	-3.1	101	0.00	12.40-13.40

***** Signal #2 *****

1		Naphthalene	20.000	20.513	-2.6	101	0.00	3.62- 4.12
2		Acenaphthylene	20.000	20.316	-1.6	101	0.00	4.11- 4.61
3		1-Methyl Naphthalene	20.000	20.418	-2.1	100	0.00	4.48- 4.98
4		2-Methyl Naphthalene	20.000	20.210	-1.1	99	0.00	4.69- 5.19
5		Acenaphthene	20.000	20.632	-3.2	100	0.00	4.88- 5.38
6		Fluorene	20.000	20.306	-1.5	100	0.00	5.06- 5.56
7		Phenanthrene	20.000	20.791	-4.0	100	0.00	5.59- 6.09
8	S	O-Terphenyl	20.000	19.252	3.7	94	0.00	5.94- 6.44
		----------	Amount	Calc.	%Drift	----------		
9		Anthracene	10.000	9.878	1.2	99	0.00	6.21- 6.71
		----------	Amount	Calc.	%Drift	----------		
10		Fluoranthene	20.000	20.326	-1.6	99	0.00	6.71- 7.21
11		Pyrene	20.000	20.431	-2.2	100	0.00	7.16- 7.66
12	S	P-Terphenyl	20.000	19.260	3.7	96	0.00	8.09- 8.59
13		Benzo(a)Anthracene	10.000	10.303	-3.0	101	0.00	8.47- 8.97
14		Chrysene	10.000	10.340	-3.4	101	0.00	8.86- 9.36

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GEE1733-CC1620
Lab FileID: EE046253.D

15	Benzo(b)Fluoranthene	10.000	10.292	-2.9	101	0.00	9.69-10.19
16	Benzo(k)Fluoranthene	10.000	10.284	-2.8	101	0.00	10.23-10.73
17	Benzo(a) Pyrene	10.000	10.176	-1.8	100	0.00	10.72-11.22
18	Dibenzo(a,h)anthracene	10.000	10.409	-4.1	102	0.00	11.33-12.33
19	Benzo(g,h,i) Perylene	10.000	10.570	-5.7	104	0.00	11.77-12.77
20	Indeno(1,2,3-cd)pyrene	10.000	10.305	-3.0	102	0.00	12.40-13.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EE042458.D 8310_32.M Tue Feb 20 15:57:36 2007

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GEE1733-CC1620
Lab FileID: EE046265.D

Evaluate Continuing Calibration Report

```
Signal #1 : P:\DATA\0219PAH\EE046265.D\dad1B.ch          Vial: 3
Signal #2 : P:\DATA\0219PAH\EE046265.D\dad1A.ch
Acq On    : 19-Feb-2007, 20:14:51                    Operator: MIKEE
Sample    : CC1620-20                                Inst    : G1315B
Misc      : op19508,gee1733,1000,,,1,,water          Multiplr: 1.00
IntFile Signal #1: EVENTS.E     IntFile Signal #2: events2.e

Method       : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title        : PAH's BY EPA  8310
Last Update  : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Naphthalene	20.000	20.536	-2.7	101	0.00	3.62- 4.12
2		Acenaphthylene	20.000	20.148	-0.7	100	0.00	4.11- 4.61
3		1-Methyl Naphthalene	20.000	20.474	-2.4	100	0.00	4.48- 4.98
4		2-Methyl Naphthalene	20.000	20.366	-1.8	100	0.00	4.69- 5.19
5		Acenaphthene	20.000	20.612	-3.1	101	0.00	4.88- 5.38
6		Fluorene	20.000	20.330	-1.6	100	0.00	5.06- 5.56
7		Phenanthrene	20.000	20.374	-1.9	100	0.00	5.59- 6.09
8	S	O-Terphenyl	20.000	19.191	4.0	94	0.00	5.94- 6.44
9		Anthracene	10.000	10.055	-0.5	99	0.00	6.21- 6.71
10		Fluoranthene	20.000	20.553	-2.8	100	0.00	6.71- 7.21
11		Pyrene	20.000	20.797	-4.0	101	0.00	7.16- 7.66
12	S	P-Terphenyl	20.000	19.204	4.0	96	0.00	8.09- 8.59
13		Benzo(a)Anthracene	10.000	10.304	-3.0	101	0.00	8.47- 8.97
14		Chrysene	10.000	10.432	-4.3	101	0.00	8.86- 9.36
15		Benzo(b)Fluoranthene	10.000	10.265	-2.7	101	0.00	9.69-10.19
16		Benzo(k)Fluoranthene	10.000	10.314	-3.1	101	0.00	10.23-10.73
17		Benzo(a) Pyrene	10.000	10.093	-0.9	99	0.00	10.72-11.22
18		Dibenzo(a,h)anthracene	10.000	10.284	-2.8	102	0.00	11.33-12.33
19		Benzo(g,h,i) Perylene	10.000	10.447	-4.5	103	0.00	11.77-12.77
20		Indeno(1,2,3-cd)pyrene	10.000	10.300	-3.0	101	0.00	12.40-13.40

***** Signal #2 *****

1		Naphthalene	20.000	20.548	-2.7	101	0.00	3.62- 4.12
2		Acenaphthylene	20.000	20.310	-1.5	101	0.00	4.11- 4.61
3		1-Methyl Naphthalene	20.000	20.464	-2.3	100	0.00	4.48- 4.98
4		2-Methyl Naphthalene	20.000	20.228	-1.1	100	0.00	4.69- 5.19
5		Acenaphthene	20.000	20.676	-3.4	101	0.00	4.88- 5.38
6		Fluorene	20.000	20.327	-1.6	100	0.00	5.06- 5.56
7		Phenanthrene	20.000	20.796	-4.0	100	0.00	5.59- 6.09
8	S	O-Terphenyl	20.000	19.212	3.9	94	0.00	5.94- 6.44
		----------	Amount	Calc.	%Drift			----------
9		Anthracene	10.000	9.866	1.3	99	0.00	6.21- 6.71
		----------	Amount	Calc.	%Drift			----------
10		Fluoranthene	20.000	20.318	-1.6	99	0.00	6.71- 7.21
11		Pyrene	20.000	20.436	-2.2	100	0.00	7.16- 7.66
12	S	P-Terphenyl	20.000	19.226	3.9	96	0.00	8.09- 8.59
13		Benzo(a)Anthracene	10.000	10.288	-2.9	101	0.00	8.47- 8.97
14		Chrysene	10.000	10.332	-3.3	101	0.00	8.86- 9.36

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GEE1733-CC1620
Lab FileID: EE046265.D

15	Benzo(b)Fluoranthene	10.000	10.281	-2.8	101	0.00	9.69-10.19
16	Benzo(k)Fluoranthene	10.000	10.268	-2.7	101	0.00	10.23-10.73
17	Benzo(a) Pyrene	10.000	10.130	-1.3	100	0.00	10.72-11.22
18	Dibenzo(a,h)anthracene	10.000	10.400	-4.0	102	0.00	11.33-12.33
19	Benzo(g,h,i) Perylene	10.000	10.558	-5.6	104	0.00	11.77-12.77
20	Indeno(1,2,3-cd)pyrene	10.000	10.281	-2.8	101	0.00	12.40-13.40

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EE042458.D 8310_32.M Tue Feb 20 15:57:36 2007

7.6

7

Initial Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GIJ1527-ICC1527
Lab FileID: IJ36045.D

```
                    Response Factor Report  FID 1

 Method       : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
 Title        : TPH by FL_PRO
 Last Update  : Mon Jan 08 12:30:11 2007
 Response via : Initial Calibration

 Calibration Files
 255 =IJ36042.D   340 =IJ36043.D   680 =IJ36044.D   1020=IJ36045.D
 1360=IJ36046.D   1700=IJ36047.D   2125=IJ36048.D   4250=IJ36049.D

  Compound         255   340   680   1020  1360  1700  2125  4250  Avg %RSD
 ---------------------------------------------------------------------------
 1) O-TERPHENYL  2.968 2.925 2.938 2.903 2.907 2.894             2.922 E4   0.93
 2) TPH (C8-C40) 2.858 2.791 2.776 2.741 2.742 2.722 2.694 2.466 2.724 E4   4.24
---------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          FL_PRO_F.M        Mon Jan 08 13:10:02 2007
```

Initial Calibration Verification

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GIJ1527-ICV1527
Lab FileID: IJ36050.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36050.D          Vial: 10
Acq On    :  8 Jan 2007  12:23 pm                     Operator: adamc
Sample    : icv1527-1020                              Inst    : FID 1
Misc      : op19060,gij1527,30.4,,,1,1,soil           Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Mon Jan 08 12:30:11 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%

       Compound                Amount  Calc.    %Drift Area% Dev(min)RT Window
 ---------------------------------------------------------------------------
 1 S   O-TERPHENYL                        ----------NA----------
 2 H   TPH (C8-C40)           1020.000 993.737      2.6   97   0.00    2.54-12.10
---------------------------------------------------------------------------
---------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    IJ36045.D  FL_PRO_F.M       Mon Jan 08 13:10:13 2007
```

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GIJ1544-CC1527
Lab FileID: IJ36972.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36972.D          Vial: 2
Acq On    : 14 Feb 2007  10:52 am                   Operator: fouads
Sample    : cc1527-1020                             Inst    : FID 1
Misc      : op19474,gij1544,30.2,,,1,1,soil         Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Tue Jan 30 08:03:20 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	65.368	-8.9	110	-0.01	5.54- 5.68
2 H	TPH (C8-C40)	1020.000	1079.992	-5.9	105	0.00	2.55-12.11

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ36045.D FL_PRO_F.M Thu Feb 15 09:39:07 2007

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209
Sample: GIJ1544-CC1527
Lab FileID: IJ36973.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36973.D          Vial: 3
Acq On    : 14 Feb 2007  11:14 am                   Operator: fouads
Sample    : cc1527-340                              Inst    : FID 1
Misc      : op19474,gij1544,30.2,,,1,1,soil         Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Tue Jan 30 08:03:20 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	20.000	20.418	-2.1	102	-0.01	5.54- 5.68
2 H	TPH (C8-C40)	340.000	336.714	1.0	97	0.00	2.55-12.11

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ36043.D FL_PRO_F.M Thu Feb 15 09:38:14 2007

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GIJ1544-CC1527
Lab FileID: IJ36985.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36985.D          Vial: 2
Acq On    : 14 Feb 2007   3:41 pm                   Operator: fouads
Sample    : cc1527-1020                             Inst    : FID 1
Misc      : op19501,gij1544,520,,,1,1,water         Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Tue Jan 30 08:03:20 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	55.794	7.0	94	-0.01	5.54- 5.68
2 H	TPH (C8-C40)	1020.000	924.134	9.4	90	0.00	2.55-12.11

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ36045.D FL_PRO_F.M Thu Feb 15 09:39:07 2007

Initial Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GOP1844-ICC1844
Lab FileID: OP69113.D

```
                    Response Factor Report  FID 2

 Method       : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
 Title        : TPH by FL_PRO
 Last Update  : Wed Jan 17 13:40:51 2007
 Response via : Initial Calibration

 Calibration Files
 1   =OP69110.D   2   =OP69111.D   3   =OP69112.D   4   =OP69113.D
 5   =OP69120.D   6   =OP69115.D   7   =OP69116.D   8   =OP69117.D

  Compound         1     2     3     4     5     6     7     8     Avg %RSD
 ---------------------------------------------------------------------------
 1) O-TERPHENYL  2.210 2.326 2.105 2.258 2.039 2.182             2.187 E4   4.74
 2) TPH (C8-C40) 2.256 2.184 1.971 2.113 1.873 2.025 2.095 1.888 2.051 E4   6.66
---------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          FL_PRO_R.M        Thu Jan 18 10:23:26 2007
```

Initial Calibration Verification

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GOP1844-ICV1844
Lab FileID: OP69122.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\0117PRO\OP69122.D          Vial: 13
Acq On    : 17 Jan 2007   1:46 pm                   Operator: fouads
Sample    : icv1844-1020                            Inst    : FID 2
Misc      : op19171,gop1844,1040,,,1,1,water        Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Jan 17 13:40:51 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%

       Compound                Amount  Calc.    %Drift Area% Dev(min)RT Window
 ---------------------------------------------------------------------------
 1 S   O-TERPHENYL                        ----------NA----------
 2 H   TPH (C8-C40)           1020.000 1002.438      1.7   95   0.00    2.17-10.87
---------------------------------------------------------------------------
---------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    OP69113.D  FL_PRO_R.M       Thu Jan 18 10:23:43 2007
```

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GOP1856-CC1844
Lab FileID: OP69933.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69933.D          Vial: 34
Acq On    : 13 Feb 2007  11:24 pm                   Operator: fouads
Sample    : cc1844-1020                             Inst    : FID 2
Misc      : op19476,gop1856,1000,,,1,1,water        Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	62.487	-4.1	101	0.00	5.63- 5.79
2 H	TPH (C8-C40)	1020.000	1038.040	-1.8	99	0.00	1.99-10.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP69113.D FL_PRO_R.M Wed Feb 14 09:50:32 2007

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GOP1856-CC1844
Lab FileID: OP69945.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69945.D          Vial: 34
Acq On    : 14 Feb 2007   3:55 am                   Operator: fouads
Sample    : cc1844-1020                             Inst    : FID 2
Misc      : op19488,gop1856,1050,,,1,1,water        Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	64.677	-7.8	104	0.00	5.63- 5.79
2 H	TPH (C8-C40)	1020.000	1084.921	-6.4	103	0.00	1.99-10.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP69113.D FL_PRO_R.M Wed Feb 14 09:50:32 2007

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GOP1856-CC1844
Lab FileID: OP69957.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69957.D          Vial: 34
Acq On    : 14 Feb 2007   8:27 am                   Operator: fouads
Sample    : cc1844-1020                             Inst    : FID 2
Misc      : op19488,gop1856,1040,,,1,1,water        Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	67.171	-12.0	108	0.00	5.63- 5.79
2 H	TPH (C8-C40)	1020.000	1112.218	-9.0	106	0.00	1.99-10.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP69113.D FL_PRO_R.M Wed Feb 14 13:35:19 2007

Continuing Calibration Summary

Job Number: F47081
Account: TETRPAPT Tetra Tech NUS
Project: Bldg. 502, NASCF; CTO 209

Sample: GOP1856-CC1844
Lab FileID: OP69967.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69967.D          Vial: 34
Acq On    : 14 Feb 2007  12:14 pm                   Operator: fouads
Sample    : cc1844-1020                             Inst    : FID 2
Misc      : op19488,gop1856,1000,,,1,1,water        Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	68.231	-13.7	110	0.00	5.63- 5.79
2 H	TPH (C8-C40)	1020.000	1119.256	-9.7	106	0.00	1.99-10.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP69113.D FL_PRO_R.M Wed Feb 14 14:43:49 2007

GC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Charles Jarman
02/22/07 09:00

Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046255.D\dad1B.ch Vial: 14
Signal #2 : P:\DATA\0219PAH\EE046255.D\dad1A.ch
Acq On : 19-Feb-2007, 17:03:00 Operator: MIKEE
Sample : F47081-1 Inst : G1315B
Misc : op19508,gee1733,1020,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 15:50 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.18	6.19	8971140	12127565	24.058m	19.728m
Spiked Amount		20.000	Range	43 - 121	Recovery	= 120.29%	98.64%
12) S	P-Terphenyl	8.34	8.34	19623354	9840455	13.964	14.013
Spiked Amount		20.000	Range	30 - 122	Recovery	= 69.82%	70.06%
	Target Compounds						
1)	Naphthalene	3.87	3.86	10642665	8529802	21.539m	28.895m
2)	Acenaphthylene	0.00	0.00	0	0	N.D. d	N.D. d
3)	1-Methyl Naphtha	4.73	4.72	16659215	9414185	41.186m	53.525m
4)	2-Methyl Naphtha	4.93	4.94	26955755	16730308	65.574m	66.990m
5)	Acenaphthene	5.13	5.13	1072035	340946	3.540m	3.230m
6)	Fluorene	5.31	5.31	4508145	5332844	3.930m	4.210m
7)	Phenanthrene	5.82	5.84	4842345	10258404	4.864m	3.162m
9)	Anthracene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Fluoranthene	0.00	0.00	0	0	N.D. d	N.D. d
11)	Pyrene	0.00	0.00	0	0	N.D. d	N.D. d
13)	Benzo(a)Anthrace	0.00	0.00	0	0	N.D.	N.D.
14)	Chrysene	0.00	0.00	0	0	N.D. d	N.D. d
15)	Benzo(b)Fluorant	0.00	0.00	0	0	N.D.	N.D.
16)	Benzo(k)Fluorant	0.00	0.00	0	0	N.D.	N.D.
17)	Benzo(a) Pyrene	0.00	0.00	0	0	N.D.	N.D.
18)	Dibenzo(a,h)anth	0.00	0.00	0	0	N.D.	N.D.
19)	Benzo(g,h,i) Per	0.00	0.00	0	0	N.D.	N.D.
20)	Indeno(1,2,3-cd)	0.00	0.00	0	0	N.D.	N.D.

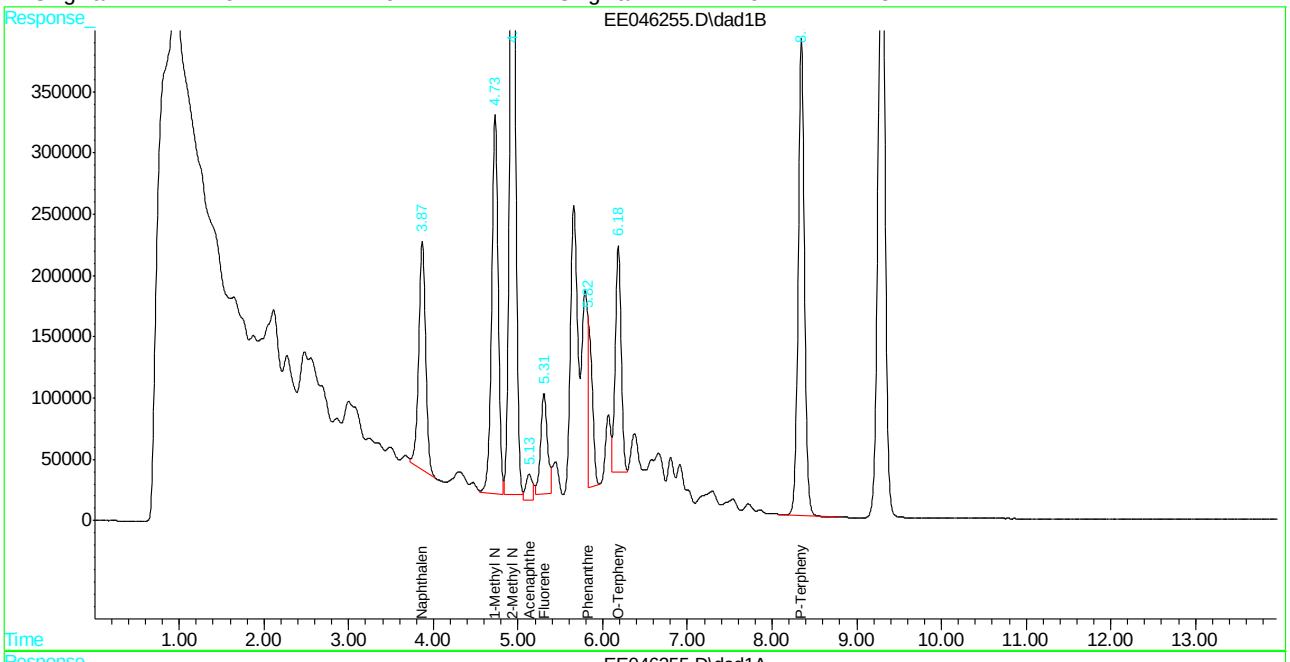
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046255.D 8310_32.M Tue Feb 20 15:59:28 2007

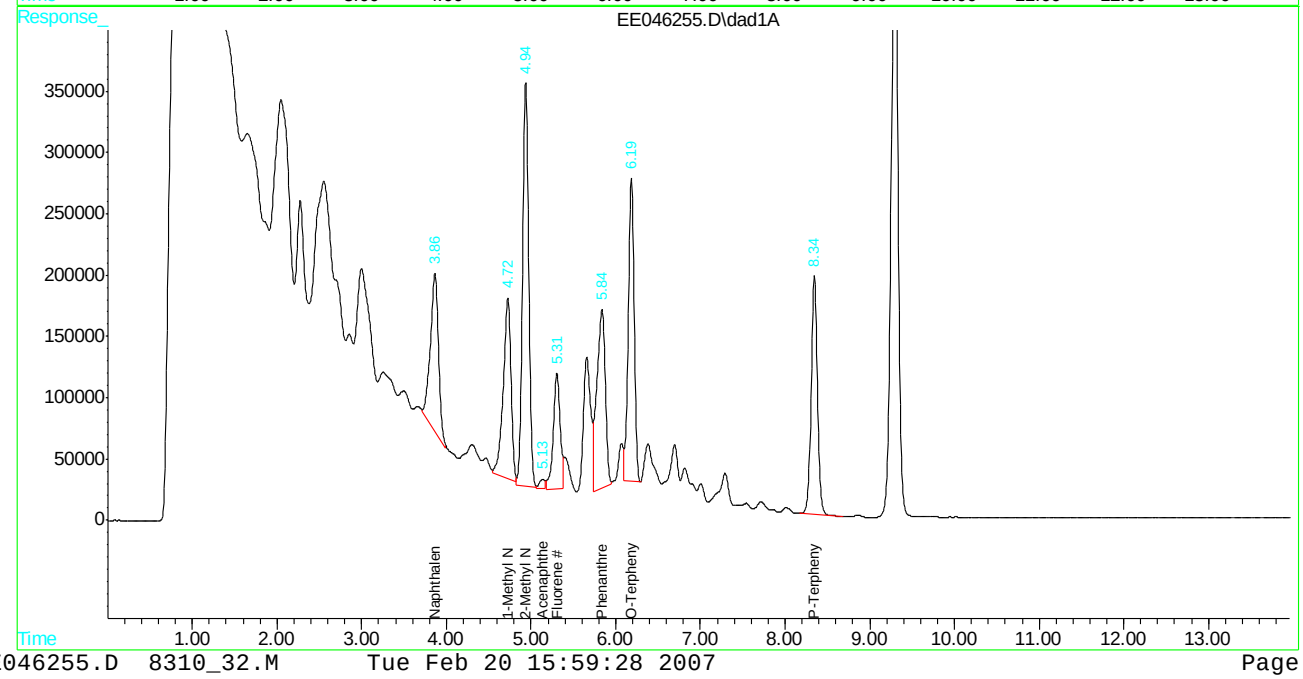
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046255.D\dad1B.ch Vial: 14
Signal #2 : P:\DATA\0219PAH\EE046255.D\dad1A.ch
Acq On : 19-Feb-2007, 17:03:00 Operator: MIKEE
Sample : F47081-1 Inst : G1315B
Misc : op19508,gee1733,1020,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 15:50 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046256.D\dad1B.ch Vial: 15
Signal #2 : P:\DATA\0219PAH\EE046256.D\dad1A.ch
Acq On : 19-Feb-2007, 17:22:07 Operator: MIKEE
Sample : F47081-2 Inst : G1315B
Misc : op19508,gee1733,1020,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
8) S O-Terphenyl	6.19	6.19	5468293	9169602	14.664	14.917
Spiked Amount 20.000 Range 43 - 121 Recovery =					73.32%	74.59%
12) S P-Terphenyl	8.35	8.35	19841390	9903539	14.119	14.103
Spiked Amount 20.000 Range 30 - 122 Recovery =					70.59%	70.52%
Target Compounds						
1) Naphthalene	0.00	0.00	0	0	N.D.	N.D.
2) Acenaphthylene	0.00	0.00	0	0	N.D.	N.D.
3) 1-Methyl Naphtha	0.00	0.00	0	0	N.D.	N.D.
4) 2-Methyl Naphtha	0.00	0.00	0	0	N.D.	N.D.
5) Acenaphthene	0.00	0.00	0	0	N.D.	N.D.
6) Fluorene	0.00	0.00	0	0	N.D.	N.D.
7) Phenanthrene	0.00	0.00	0	0	N.D.	N.D.
9) Anthracene	0.00	0.00	0	0	N.D.	N.D.
10) Fluoranthene	0.00	0.00	0	0	N.D.	N.D.
11) Pyrene	0.00	0.00	0	0	N.D.	N.D.
13) Benzo(a)Anthrace	0.00	0.00	0	0	N.D.	N.D.
14) Chrysene	0.00	0.00	0	0	N.D.	N.D.
15) Benzo(b)Fluorant	0.00	0.00	0	0	N.D.	N.D.
16) Benzo(k)Fluorant	0.00	0.00	0	0	N.D.	N.D.
17) Benzo(a) Pyrene	0.00	0.00	0	0	N.D.	N.D.
18) Dibenzo(a,h)anth	0.00	0.00	0	0	N.D.	N.D.
19) Benzo(g,h,i) Per	0.00	0.00	0	0	N.D.	N.D.
20) Indeno(1,2,3-cd)	0.00	0.00	0	0	N.D.	N.D.

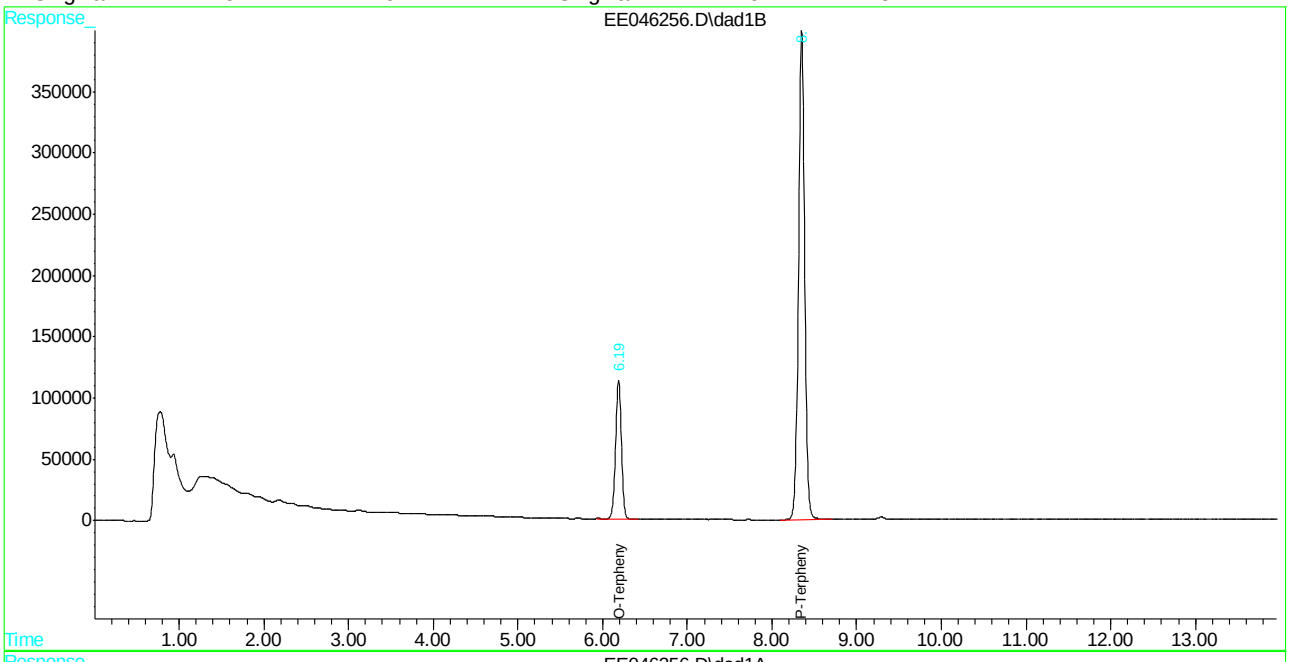
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046256.D 8310_32.M Tue Feb 20 15:59:30 2007

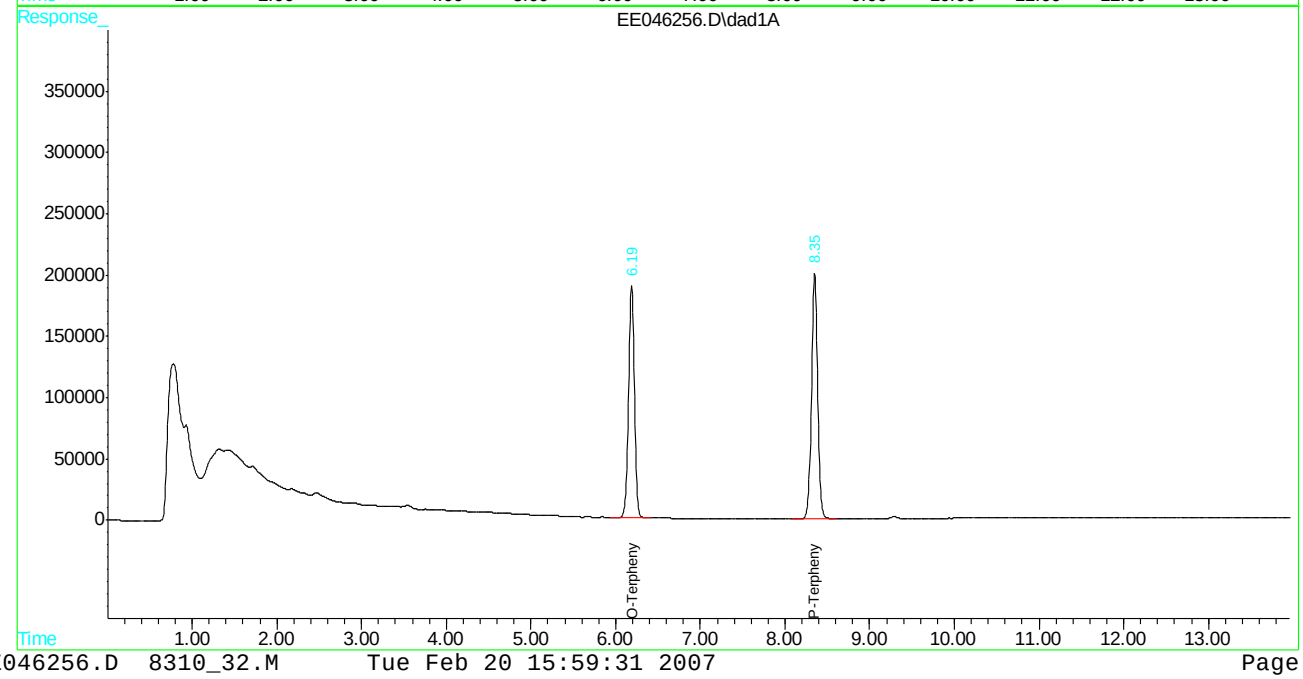
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046256.D\dad1B.ch Vial: 15
Signal #2 : P:\DATA\0219PAH\EE046256.D\dad1A.ch
Acq On : 19-Feb-2007, 17:22:07 Operator: MIKEE
Sample : F47081-2 Inst : G1315B
Misc : op19508,gee1733,1020,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Manual Integrations APPROVED (compounds with "m" flag)
Charles Jarman
02/22/07 09:00

Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046257.D\dad1B.ch Vial: 16
Signal #2 : P:\DATA\0219PAH\EE046257.D\dad1A.ch
Acq On : 19-Feb-2007, 17:26:13 Operator: MIKEE
Sample : F47081-3 Inst : G1315B
Misc : op19508,gee1733,960,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 15:51 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
8) S O-Terphenyl	6.19	6.19	6341814	9923981	17.007	16.144
Spiked Amount 20.000 Range 43 - 121 Recovery =					85.04%	80.72%
12) S P-Terphenyl	8.34	8.34	19703690	9843016	14.021	14.017
Spiked Amount 20.000 Range 30 - 122 Recovery =					70.11%	70.08%
Target Compounds						
1) Naphthalene	3.87	3.87	2030563	1223697	4.110m	4.145m
2) Acenaphthylene	0.00	0.00	0	0	N.D.	N.D.
3) 1-Methyl Naphtha	4.73	4.72	398021	205762	0.984	1.170m
4) 2-Methyl Naphtha	4.94	4.94	3248942	1994904	7.904	7.988
5) Acenaphthene	0.00	0.00	0	0	N.D. d	N.D. d
6) Fluorene	0.00	0.00	0	0	N.D. d	N.D. d
7) Phenanthrene	0.00	0.00	0	0	N.D. d	N.D. d
9) Anthracene	0.00	0.00	0	0	N.D.	N.D.
10) Fluoranthene	0.00	0.00	0	0	N.D.	N.D.
11) Pyrene	0.00	0.00	0	0	N.D.	N.D.
13) Benzo(a)Anthrace	0.00	0.00	0	0	N.D.	N.D.
14) Chrysene	0.00	0.00	0	0	N.D. d	N.D. d
15) Benzo(b)Fluorant	0.00	0.00	0	0	N.D.	N.D.
16) Benzo(k)Fluorant	0.00	0.00	0	0	N.D.	N.D.
17) Benzo(a) Pyrene	0.00	0.00	0	0	N.D.	N.D.
18) Dibenzo(a,h)anth	0.00	0.00	0	0	N.D.	N.D.
19) Benzo(g,h,i) Per	0.00	0.00	0	0	N.D.	N.D.
20) Indeno(1,2,3-cd)	0.00	0.00	0	0	N.D.	N.D.

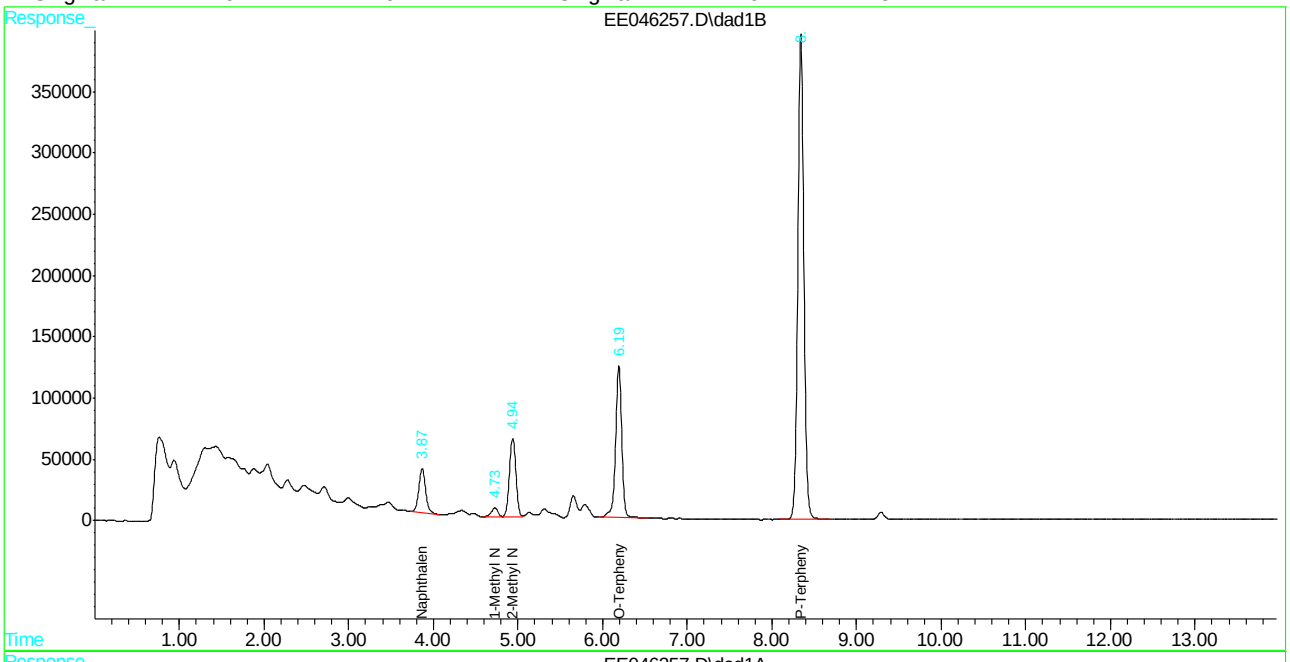
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046257.D 8310_32.M Tue Feb 20 15:59:33 2007

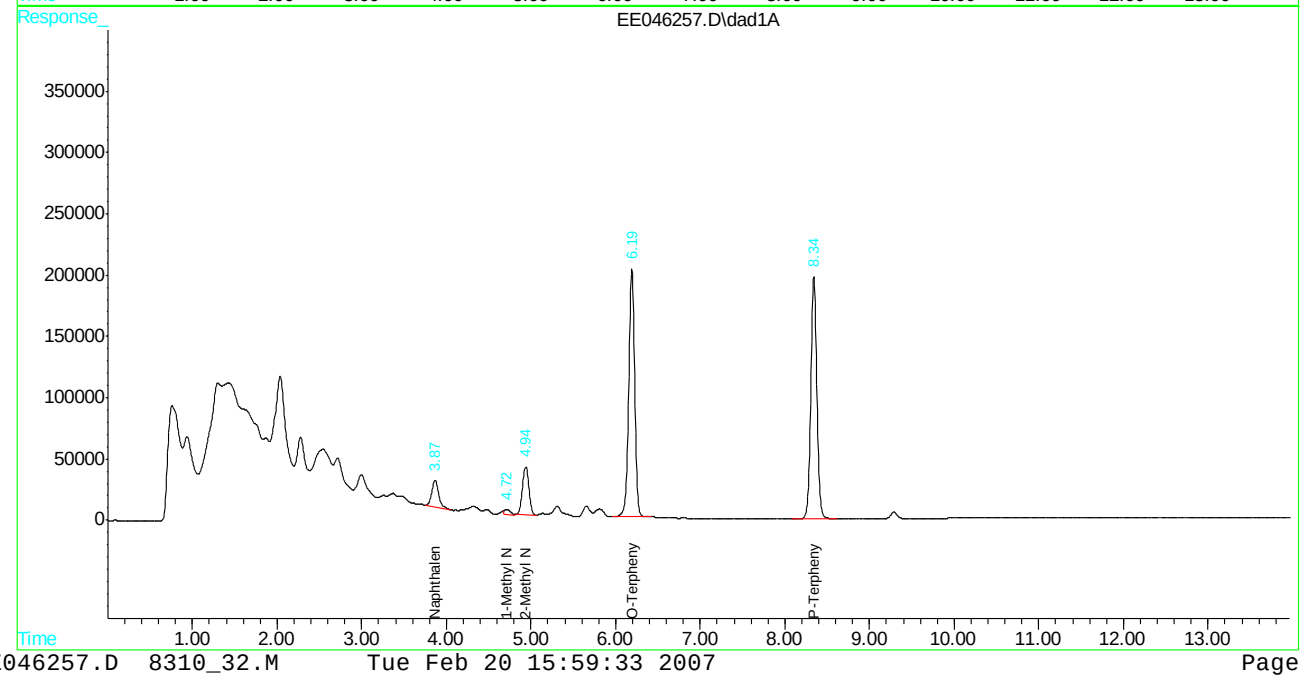
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046257.D\dad1B.ch Vial: 16
Signal #2 : P:\DATA\0219PAH\EE046257.D\dad1A.ch
Acq On : 19-Feb-2007, 17:26:13 Operator: MIKEE
Sample : F47081-3 Inst : G1315B
Misc : op19508,gee1733,960,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 15:51 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Manual Integrations APPROVED (compounds with "m" flag)
Charles Jarman
02/22/07 09:00

Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046258.D\dad1B.ch Vial: 17
Signal #2 : P:\DATA\0219PAH\EE046258.D\dad1A.ch
Acq On : 19-Feb-2007, 18:00:31 Operator: MIKEE
Sample : F47081-4 Inst : G1315B
Misc : op19508,gee1733,1030,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 15:51 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
8) S O-Terphenyl	6.19	6.19	6988088	10534100	18.740m	17.136
Spiked Amount 20.000 Range 43 - 121 Recovery =					93.70%	85.68%
12) S P-Terphenyl	8.35	8.35	15226988	7635729	10.835	10.874
Spiked Amount 20.000 Range 30 - 122 Recovery =					54.18%	54.37%
Target Compounds						
1) Naphthalene	0.00	0.00	0	0	N.D. d	N.D. d
2) Acenaphthylene	0.00	0.00	0	0	N.D.	N.D.
3) 1-Methyl Naphtha	4.73	4.73	634576	320358	1.569	1.821m
4) 2-Methyl Naphtha	4.95	4.95	1225057	917263	2.980	3.673
5) Acenaphthene	5.14	5.14	286461	115989	0.946	1.099m
6) Fluorene	5.31	5.31	2295594	2679121	2.001	2.115m
7) Phenanthrene	0.00	0.00	0	0	N.D. d	N.D. d
9) Anthracene	0.00	0.00	0	0	N.D. d	N.D. d
10) Fluoranthene	0.00	0.00	0	0	N.D. d	N.D. d
11) Pyrene	0.00	0.00	0	0	N.D.	N.D.
13) Benzo(a)Anthrace	0.00	0.00	0	0	N.D.	N.D.
14) Chrysene	0.00	0.00	0	0	N.D. d	N.D. d
15) Benzo(b)Fluorant	0.00	0.00	0	0	N.D.	N.D.
16) Benzo(k)Fluorant	0.00	0.00	0	0	N.D.	N.D.
17) Benzo(a) Pyrene	0.00	0.00	0	0	N.D.	N.D.
18) Dibenzo(a,h)anth	0.00	0.00	0	0	N.D.	N.D.
19) Benzo(g,h,i) Per	0.00	0.00	0	0	N.D.	N.D.
20) Indeno(1,2,3-cd)	0.00	0.00	0	0	N.D.	N.D.

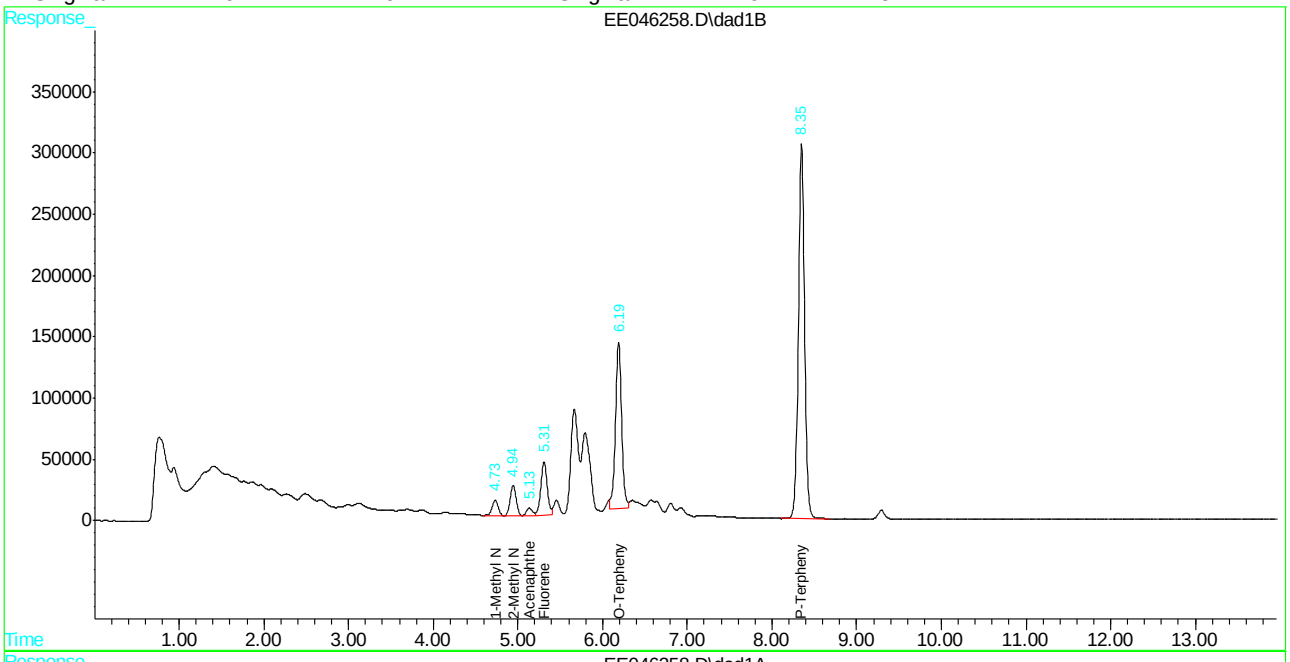
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046258.D 8310_32.M Tue Feb 20 15:59:34 2007

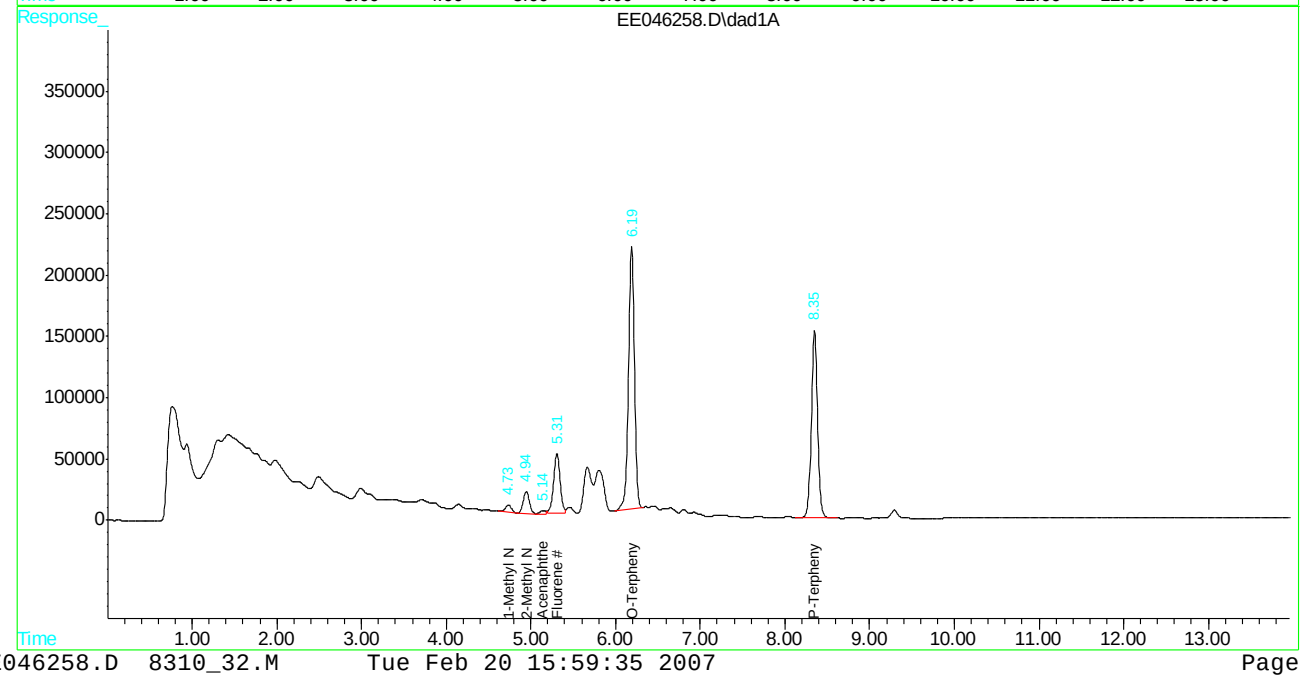
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046258.D\dad1B.ch Vial: 17
Signal #2 : P:\DATA\0219PAH\EE046258.D\dad1A.ch
Acq On : 19-Feb-2007, 18:00:31 Operator: MIKEE
Sample : F47081-4 Inst : G1315B
Misc : op19508,gee1733,1030,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 15:51 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046259.D\dad1B.ch Vial: 18
Signal #2 : P:\DATA\0219PAH\EE046259.D\dad1A.ch
Acq On : 19-Feb-2007, 18:19:42 Operator: MIKEE
Sample : F47081-5 Inst : G1315B
Misc : op19508,gee1733,1010,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 15:52 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.19	6.19	6608484	11054649	17.722	17.983
	Spiked Amount 20.000 Range 43 - 121 Recovery =					88.61%	89.92%
12) S	P-Terphenyl	8.35	8.35	20376113	10189711	14.499	14.510
	Spiked Amount 20.000 Range 30 - 122 Recovery =					72.50%	72.55%
	Target Compounds						
1)	Naphthalene	0.00	0.00	0	0	N.D.	N.D.
2)	Acenaphthylene	0.00	0.00	0	0	N.D.	N.D.
3)	1-Methyl Naphtha	0.00	0.00	0	0	N.D.	N.D.
4)	2-Methyl Naphtha	0.00	0.00	0	0	N.D.	N.D.
5)	Acenaphthene	0.00	0.00	0	0	N.D.	N.D.
6)	Fluorene	0.00	0.00	0	0	N.D.	N.D.
7)	Phenanthrene	0.00	0.00	0	0	N.D.	N.D.
9)	Anthracene	0.00	0.00	0	0	N.D.	N.D.
10)	Fluoranthene	0.00	0.00	0	0	N.D.	N.D.
11)	Pyrene	0.00	0.00	0	0	N.D.	N.D.
13)	Benzo(a)Anthrace	0.00	0.00	0	0	N.D.	N.D.
14)	Chrysene	0.00	0.00	0	0	N.D. d	N.D. d
15)	Benzo(b)Fluorant	0.00	0.00	0	0	N.D.	N.D.
16)	Benzo(k)Fluorant	0.00	0.00	0	0	N.D.	N.D.
17)	Benzo(a) Pyrene	0.00	0.00	0	0	N.D.	N.D.
18)	Dibenzo(a,h)anth	0.00	0.00	0	0	N.D.	N.D.
19)	Benzo(g,h,i) Per	0.00	0.00	0	0	N.D.	N.D.
20)	Indeno(1,2,3-cd)	0.00	0.00	0	0	N.D.	N.D.

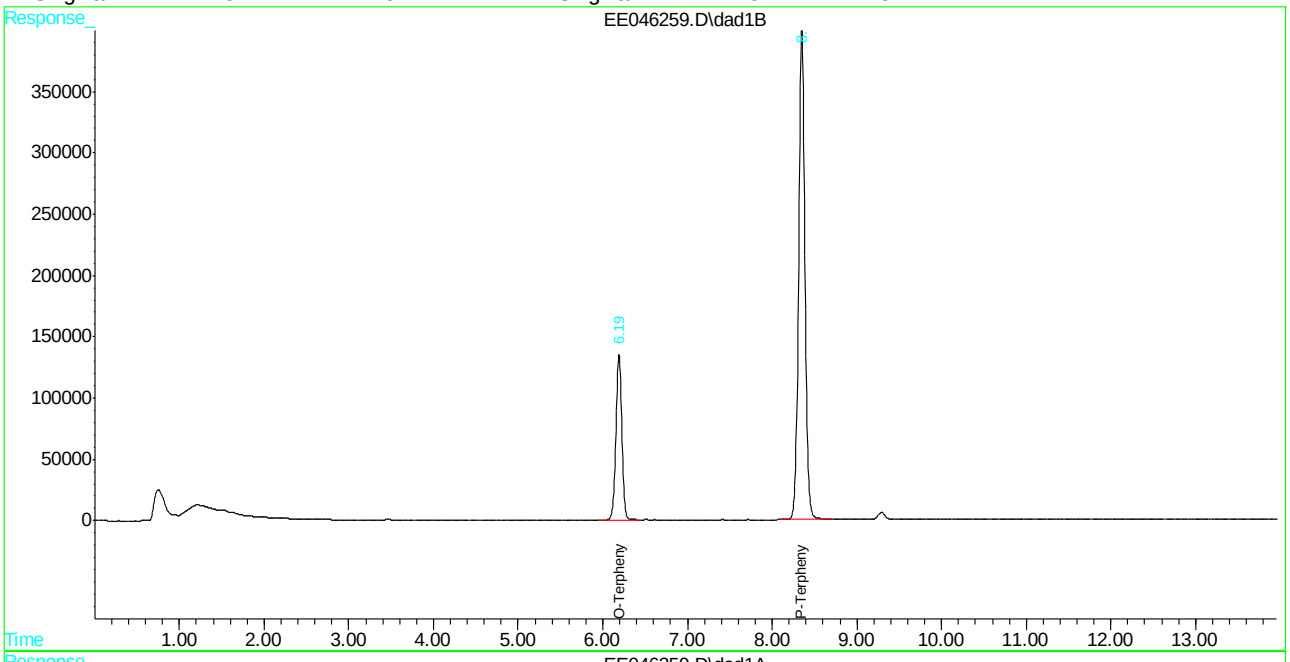
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046259.D 8310_32.M Tue Feb 20 15:59:37 2007

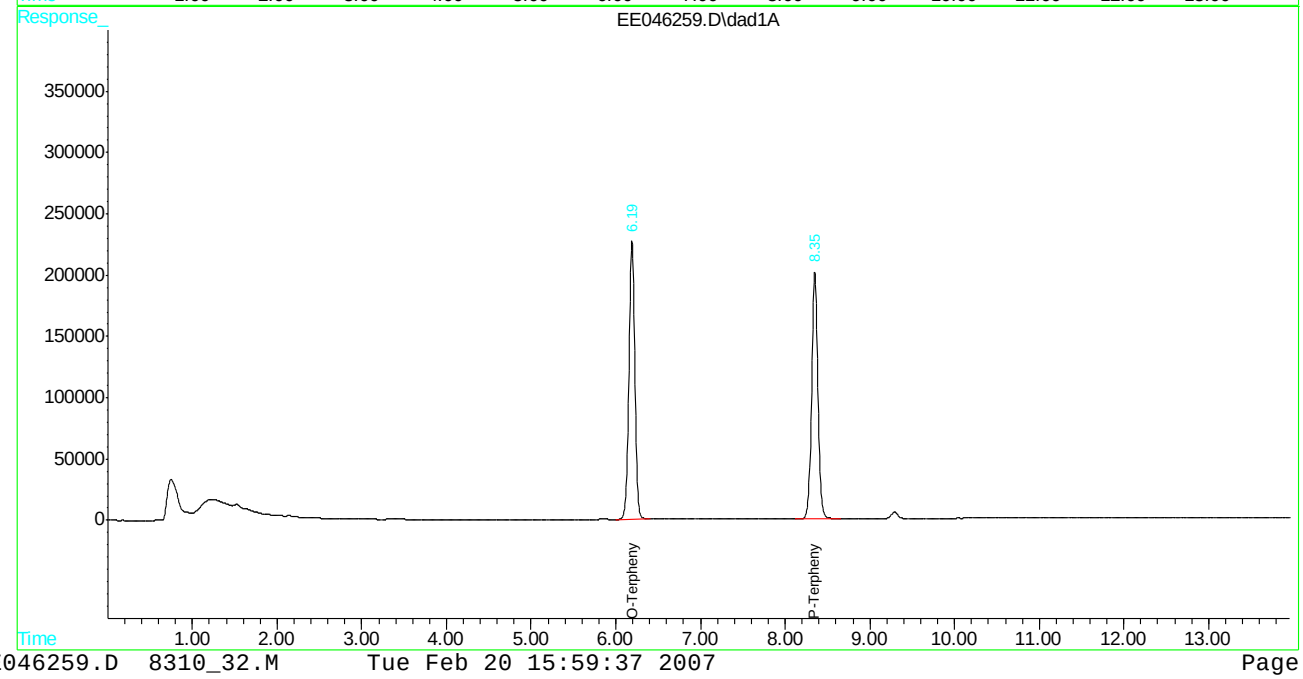
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046259.D\dad1B.ch Vial: 18
Signal #2 : P:\DATA\0219PAH\EE046259.D\dad1A.ch
Acq On : 19-Feb-2007, 18:19:42 Operator: MIKEE
Sample : F47081-5 Inst : G1315B
Misc : op19508,gee1733,1010,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 15:52 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046262.D\dad1B.ch Vial: 21
Signal #2 : P:\DATA\0219PAH\EE046262.D\dad1A.ch
Acq On : 19-Feb-2007, 19:17:18 Operator: MIKEE
Sample : F47081-6 Inst : G1315B
Misc : op19508,gee1733,1020,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
8) S O-Terphenyl	6.19	6.19	6361199	10644834	17.059	17.316
Spiked Amount 20.000 Range 43 - 121 Recovery =					85.30%	86.58%
12) S P-Terphenyl	8.35	8.35	24386360	12180812	17.353	17.346
Spiked Amount 20.000 Range 30 - 122 Recovery =					86.77%	86.73%
Target Compounds						
1) Naphthalene	0.00	0.00	0	0	N.D.	N.D.
2) Acenaphthylene	0.00	0.00	0	0	N.D.	N.D.
3) 1-Methyl Naphtha	0.00	0.00	0	0	N.D.	N.D.
4) 2-Methyl Naphtha	0.00	0.00	0	0	N.D.	N.D.
5) Acenaphthene	0.00	0.00	0	0	N.D.	N.D.
6) Fluorene	0.00	0.00	0	0	N.D.	N.D.
7) Phenanthrene	0.00	0.00	0	0	N.D.	N.D.
9) Anthracene	0.00	0.00	0	0	N.D.	N.D.
10) Fluoranthene	0.00	0.00	0	0	N.D.	N.D.
11) Pyrene	0.00	0.00	0	0	N.D.	N.D.
13) Benzo(a)Anthrace	0.00	0.00	0	0	N.D.	N.D.
14) Chrysene	0.00	0.00	0	0	N.D.	N.D.
15) Benzo(b)Fluorant	0.00	0.00	0	0	N.D.	N.D.
16) Benzo(k)Fluorant	0.00	0.00	0	0	N.D.	N.D.
17) Benzo(a) Pyrene	0.00	0.00	0	0	N.D.	N.D.
18) Dibenzo(a,h)anth	0.00	0.00	0	0	N.D.	N.D.
19) Benzo(g,h,i) Per	0.00	0.00	0	0	N.D.	N.D.
20) Indeno(1,2,3-cd)	0.00	0.00	0	0	N.D.	N.D.

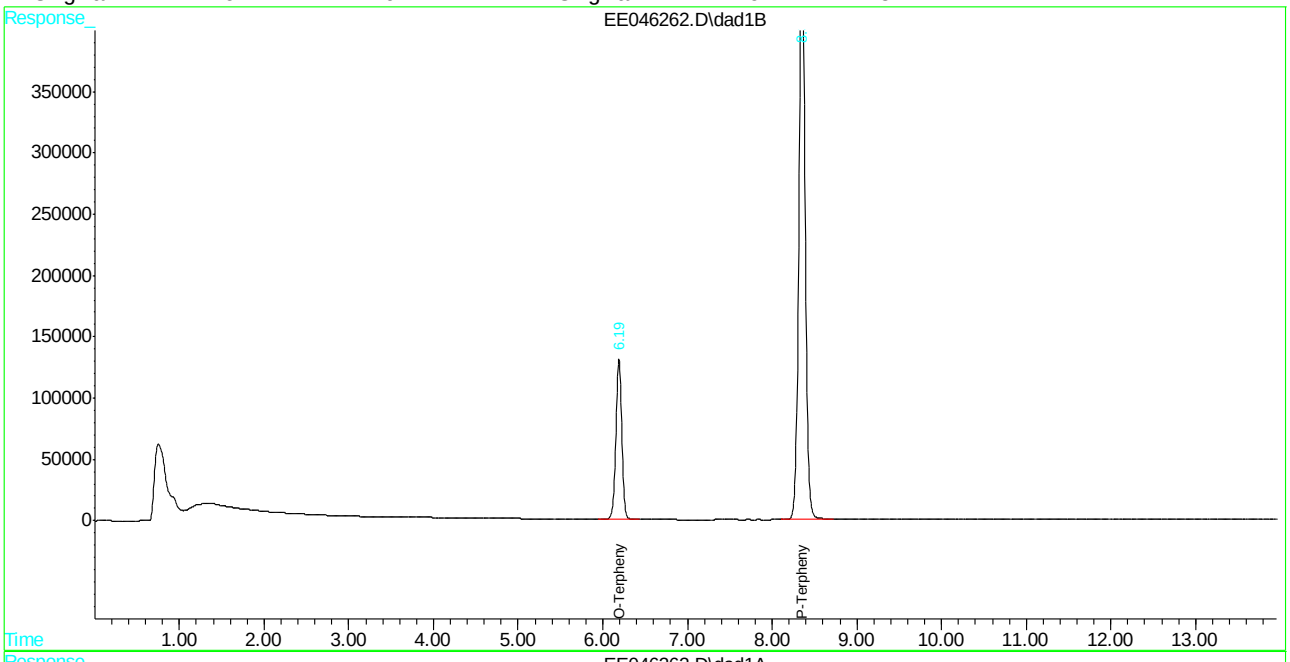
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046262.D 8310_32.M Tue Feb 20 15:59:44 2007

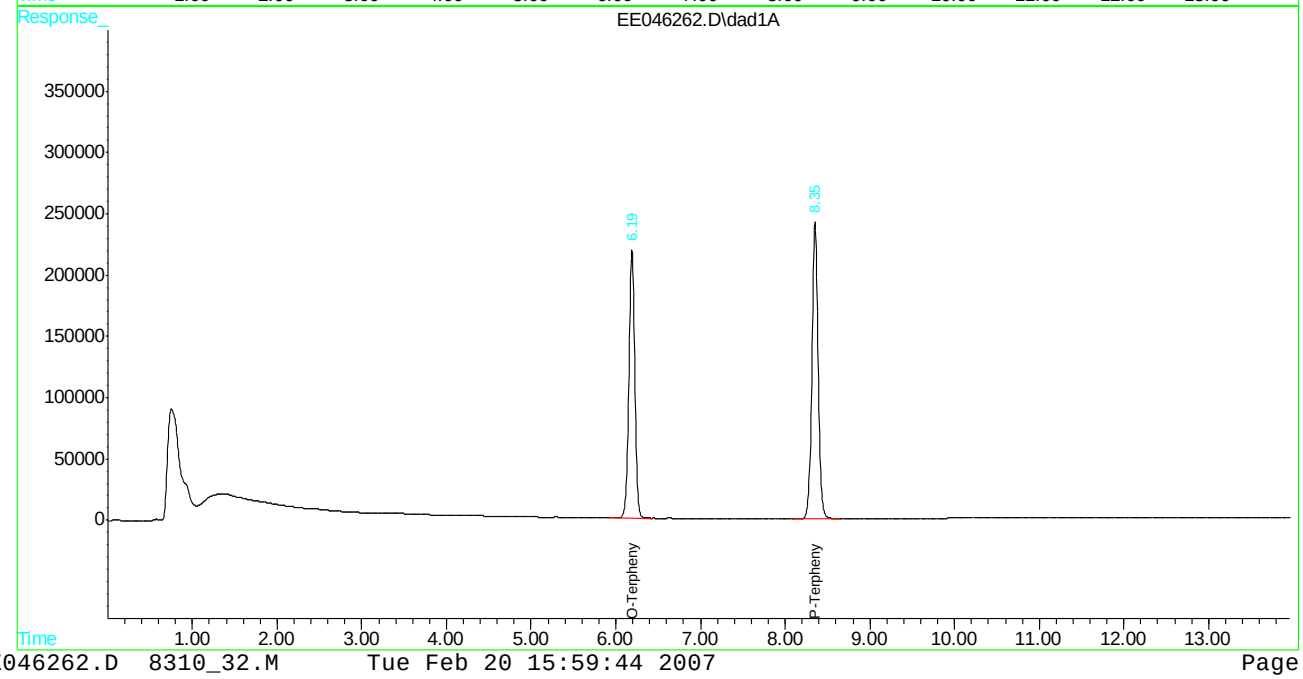
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046262.D\dad1B.ch Vial: 21
Signal #2 : P:\DATA\0219PAH\EE046262.D\dad1A.ch
Acq On : 19-Feb-2007, 19:17:18 Operator: MIKEE
Sample : F47081-6 Inst : G1315B
Misc : op19508,gee1733,1020,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Manual Integrations APPROVED (compounds with "m" flag)
Charles Jarman
02/22/07 09:00

Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046263.D\dad1B.ch Vial: 22
Signal #2 : P:\DATA\0219PAH\EE046263.D\dad1A.ch
Acq On : 19-Feb-2007, 19:36:30 Operator: MIKEE
Sample : F47081-7 Inst : G1315B
Misc : op19508,gee1733,1020,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 15:53 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.19	6.19	9197990	12310095	24.666m	20.025m
Spiked Amount		20.000	Range	43 - 121	Recovery	= 123.33%#	100.13%
12) S	P-Terphenyl	8.35	8.35	20518191	10275518	14.601	14.633
Spiked Amount		20.000	Range	30 - 122	Recovery	= 73.01%	73.16%
	Target Compounds						
1)	Naphthalene	3.87	3.86	8621448	7303425	17.449m	24.741m#
2)	Acenaphthylene	0.00	0.00	0	0	N.D. d	N.D. d
3)	1-Methyl Naphtha	4.73	4.72	17666645	10808157	43.676m	61.451m#
4)	2-Methyl Naphtha	4.93	4.93	28188791	17452266	68.573m	69.881m
5)	Acenaphthene	5.13	5.13	856062	280153	2.827m	2.654m
6)	Fluorene	5.31	5.31	4696780	5298422	4.094m	4.182m
7)	Phenanthrene	5.82	5.84	5855372	12499659	5.882m	3.853m
9)	Anthracene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Fluoranthene	0.00	0.00	0	0	N.D. d	N.D. d
11)	Pyrene	0.00	0.00	0	0	N.D. d	N.D. d
13)	Benzo(a)Anthrace	0.00	0.00	0	0	N.D.	N.D.
14)	Chrysene	0.00	0.00	0	0	N.D. d	N.D. d
15)	Benzo(b)Fluorant	0.00	0.00	0	0	N.D.	N.D.
16)	Benzo(k)Fluorant	0.00	0.00	0	0	N.D.	N.D.
17)	Benzo(a) Pyrene	0.00	0.00	0	0	N.D.	N.D.
18)	Dibenzo(a,h)anth	0.00	0.00	0	0	N.D.	N.D.
19)	Benzo(g,h,i) Per	0.00	0.00	0	0	N.D.	N.D.
20)	Indeno(1,2,3-cd)	0.00	0.00	0	0	N.D.	N.D.

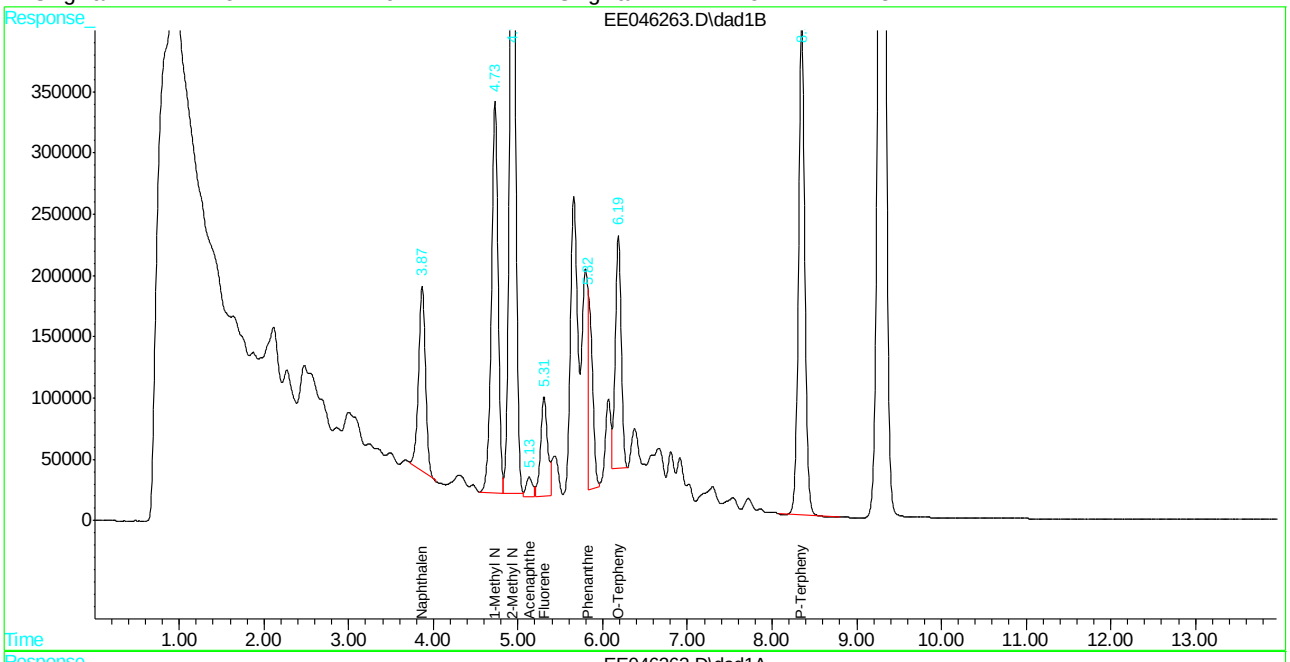
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046263.D 8310_32.M Tue Feb 20 15:59:45 2007

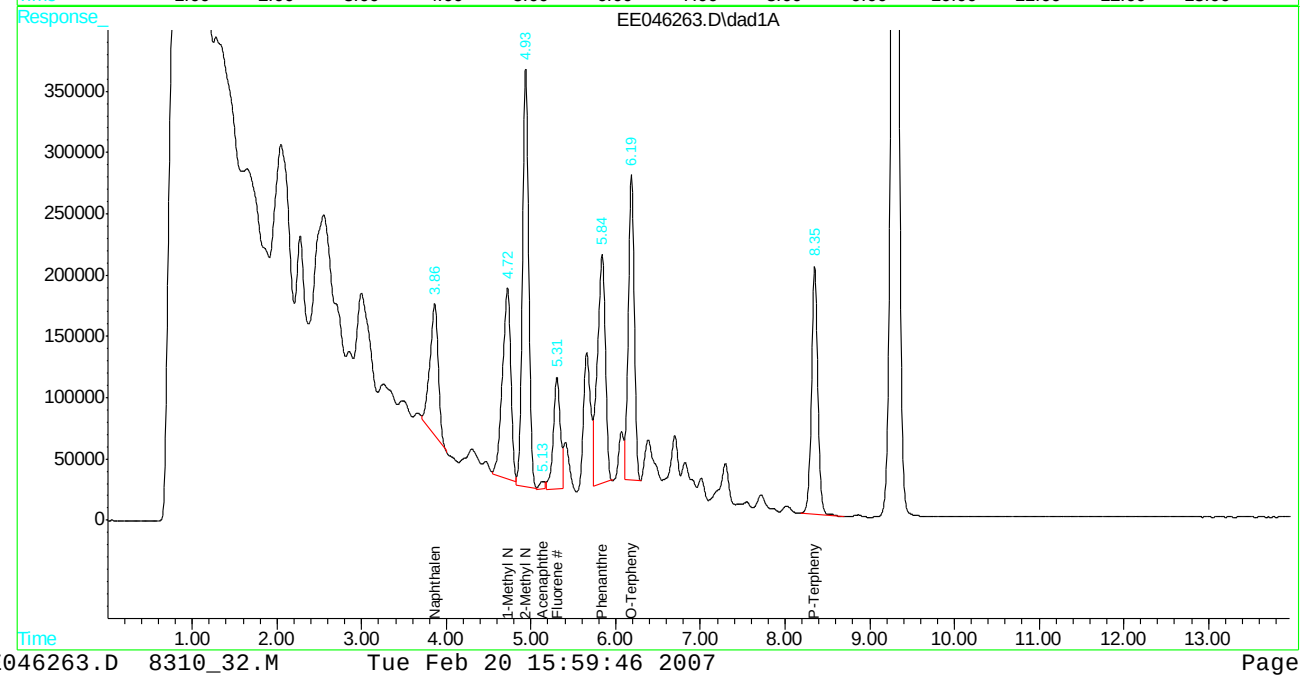
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046263.D\dad1B.ch Vial: 22
Signal #2 : P:\DATA\0219PAH\EE046263.D\dad1A.ch
Acq On : 19-Feb-2007, 19:36:30 Operator: MIKEE
Sample : F47081-7 Inst : G1315B
Misc : op19508,gee1733,1020,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 15:53 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046264.D\dad1B.ch Vial: 23
Signal #2 : P:\DATA\0219PAH\EE046264.D\dad1A.ch
Acq On : 19-Feb-2007, 19:55:40 Operator: MIKEE
Sample : F47081-8 Inst : G1315B
Misc : op19508,gee1733,1010,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 15:54 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.20	6.20	6280348	10534532	16.842	17.137
	Spiked Amount 20.000 Range 43 - 121 Recovery =					84.21%	85.69%
12) S	P-Terphenyl	8.35	8.35	20184046	10077786	14.363	14.351
	Spiked Amount 20.000 Range 30 - 122 Recovery =					71.81%	71.75%
	Target Compounds						
1)	Naphthalene	0.00	0.00	0	0	N.D. d	N.D. d
2)	Acenaphthylene	0.00	0.00	0	0	N.D.	N.D.
3)	1-Methyl Naphtha	0.00	0.00	0	0	N.D.	N.D.
4)	2-Methyl Naphtha	0.00	0.00	0	0	N.D.	N.D.
5)	Acenaphthene	0.00	0.00	0	0	N.D.	N.D.
6)	Fluorene	0.00	0.00	0	0	N.D.	N.D.
7)	Phenanthrene	0.00	0.00	0	0	N.D.	N.D.
9)	Anthracene	0.00	0.00	0	0	N.D.	N.D.
10)	Fluoranthene	0.00	0.00	0	0	N.D.	N.D.
11)	Pyrene	0.00	0.00	0	0	N.D.	N.D.
13)	Benzo(a)Anthrace	0.00	0.00	0	0	N.D.	N.D.
14)	Chrysene	0.00	0.00	0	0	N.D.	N.D.
15)	Benzo(b)Fluorant	0.00	0.00	0	0	N.D.	N.D.
16)	Benzo(k)Fluorant	0.00	0.00	0	0	N.D.	N.D.
17)	Benzo(a) Pyrene	0.00	0.00	0	0	N.D.	N.D.
18)	Dibenzo(a,h)anth	0.00	0.00	0	0	N.D.	N.D.
19)	Benzo(g,h,i) Per	0.00	0.00	0	0	N.D.	N.D.
20)	Indeno(1,2,3-cd)	0.00	0.00	0	0	N.D.	N.D.

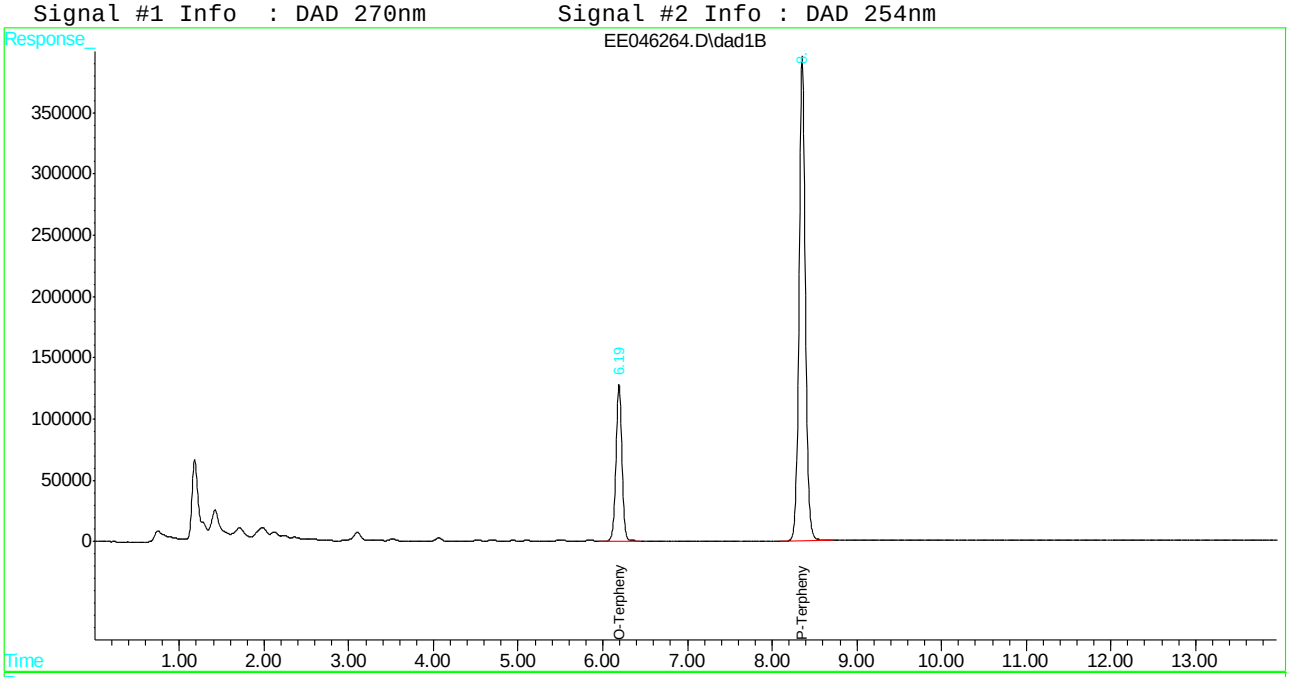
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046264.D 8310_32.M Tue Feb 20 15:59:48 2007

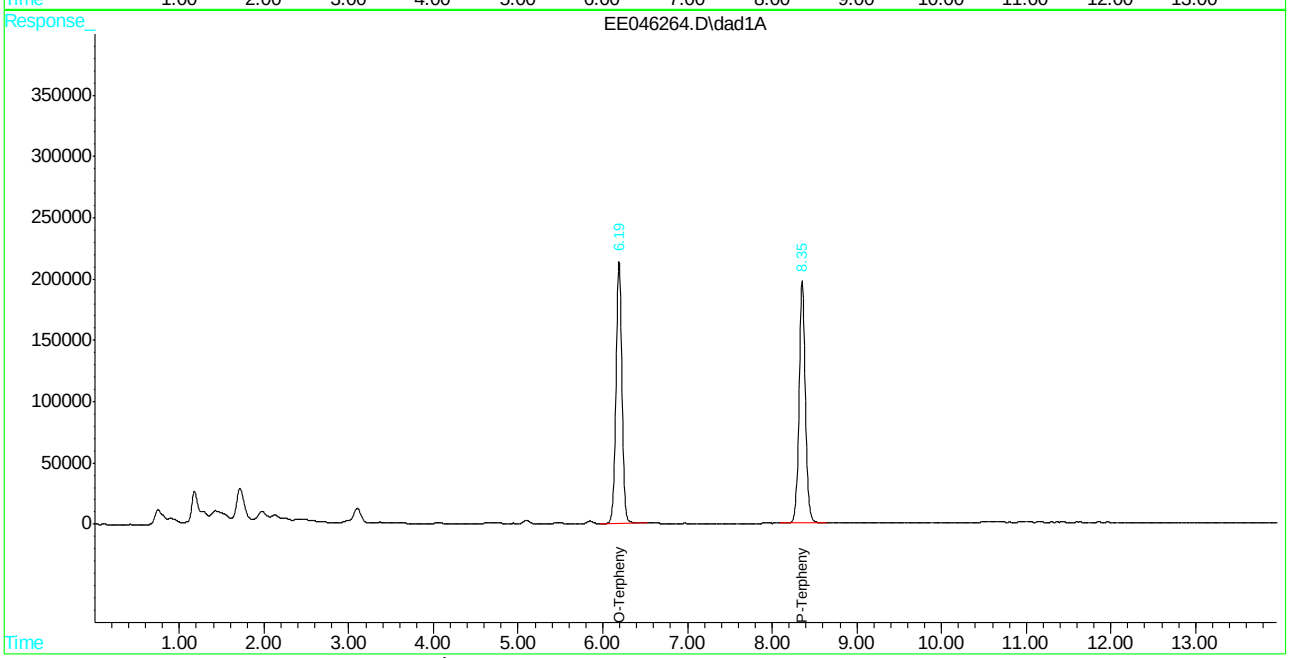
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046264.D\dad1B.ch Vial: 23
Signal #2 : P:\DATA\0219PAH\EE046264.D\dad1A.ch
Acq On : 19-Feb-2007, 19:55:40 Operator: MIKEE
Sample : F47081-8 Inst : G1315B
Misc : op19508,gee1733,1010,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 15:54 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36976.D Vial: 6
Acq On : 14 Feb 2007 12:21 pm Operator: fouads
Sample : f47081-1,5 Inst : FID 1
Misc : op19488,gij1544,1010,,,1,5,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 15 8:17 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Tue Jan 30 08:03:20 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.60	232135	7.943 PPM
Spiked Amount 50.000 Range 38 - 122 Recovery = 15.89%#			
Target Compounds			
2) H TPH (C8-C40)	5.00	21644016	794.668 PPM

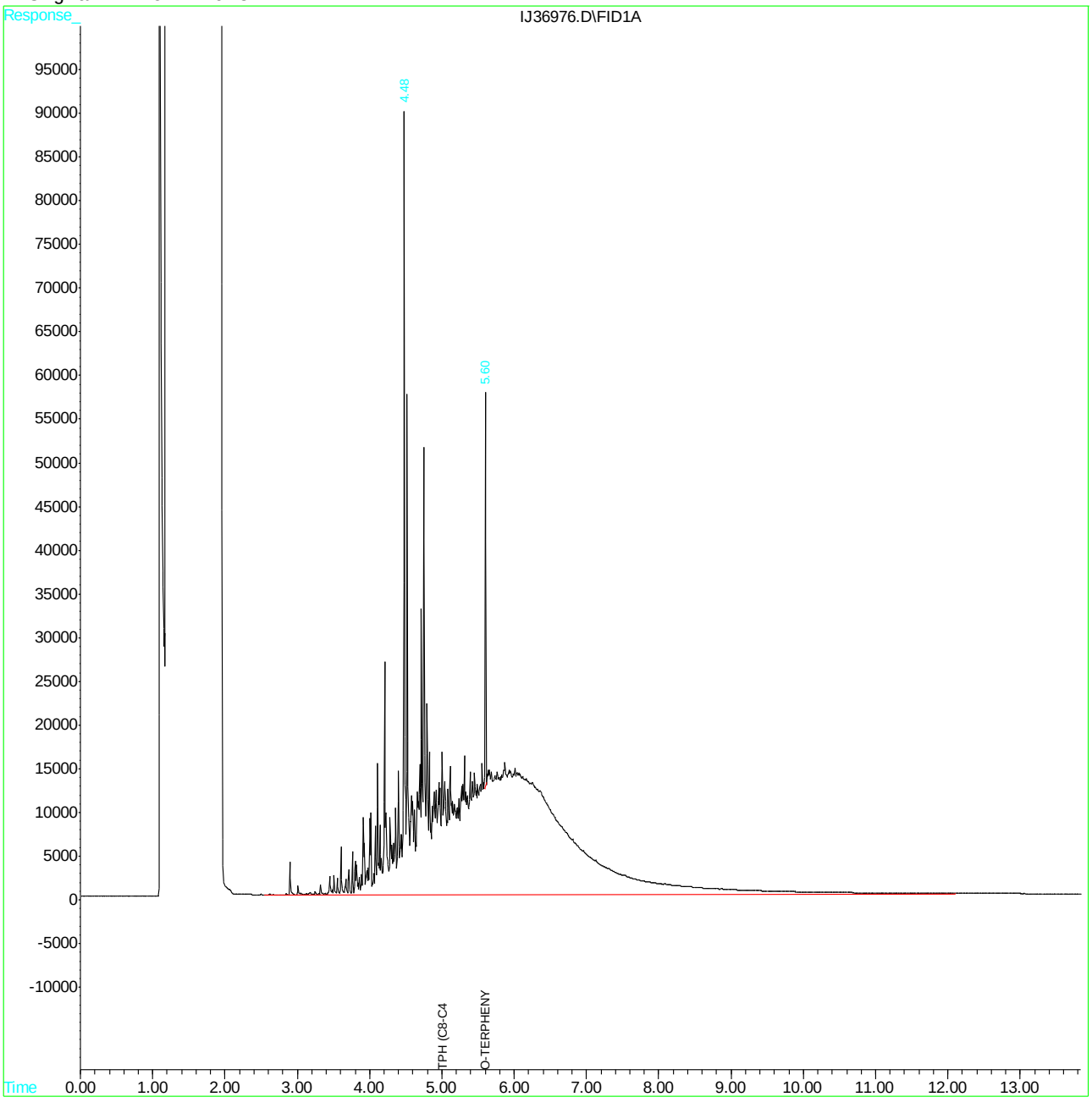
(f)=RT Delta > 1/2 Window (m)=manual int.
IJ36976.D FL_PRO_F.M Thu Feb 15 09:35:47 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36976.D Vial: 6
Acq On : 14 Feb 2007 12:21 pm Operator: fouads
Sample : f47081-1,5 Inst : FID 1
Misc : op19488,gij1544,1010,,,1,5,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 15 8:17 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Tue Jan 30 08:03:20 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36977.D          Vial: 7
Acq On    : 14 Feb 2007  12:43 pm                   Operator: fouads
Sample    : f47081-2                                Inst    : FID 1
Misc      : op19488,gij1544,1020,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 15  8:17 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Tue Jan 30 08:03:20 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.61	1071302	36.657 PPM
Spiked Amount 50.000 Range 38 - 122 Recovery = 73.31%			
Target Compounds			
2) H TPH (C8-C40)	5.00	14609467	536.392 PPM

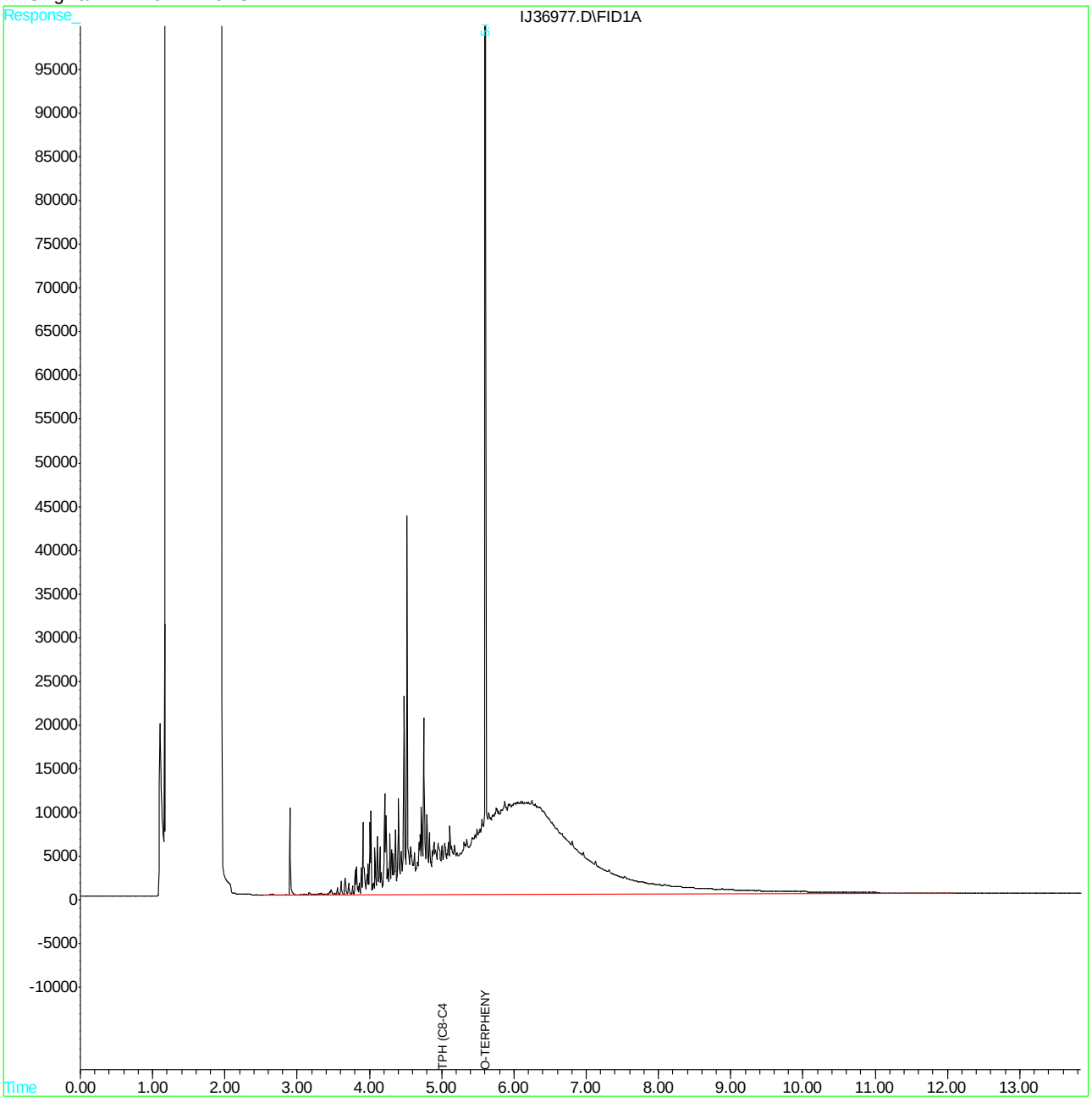
(f)=RT Delta > 1/2 Window (m)=manual int.
IJ36977.D FL_PRO_F.M Thu Feb 15 09:35:48 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36977.D Vial: 7
Acq On : 14 Feb 2007 12:43 pm Operator: fouads
Sample : f47081-2 Inst : FID 1
Misc : op19488,gij1544,1020,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 15 8:17 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Tue Jan 30 08:03:20 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Manual Integrations APPROVED (compounds with "m" flag)
Charles Jarman
02/15/07 08:39

Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69954.D          Vial: 53
Acq On    : 14 Feb 2007   7:20 am                   Operator: fouads
Sample    : f47081-3                                Inst    : FID 2
Misc      : op19488,gop1856,770,,,1,1,water         Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14 10:58 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.71	466564	21.337 PPM m
Spiked Amount 50.000 Range 38 - 122 Recovery = 42.67%			
Target Compounds			
2) H TPH (C8-C40)	5.06	16914464	824.765 PPM

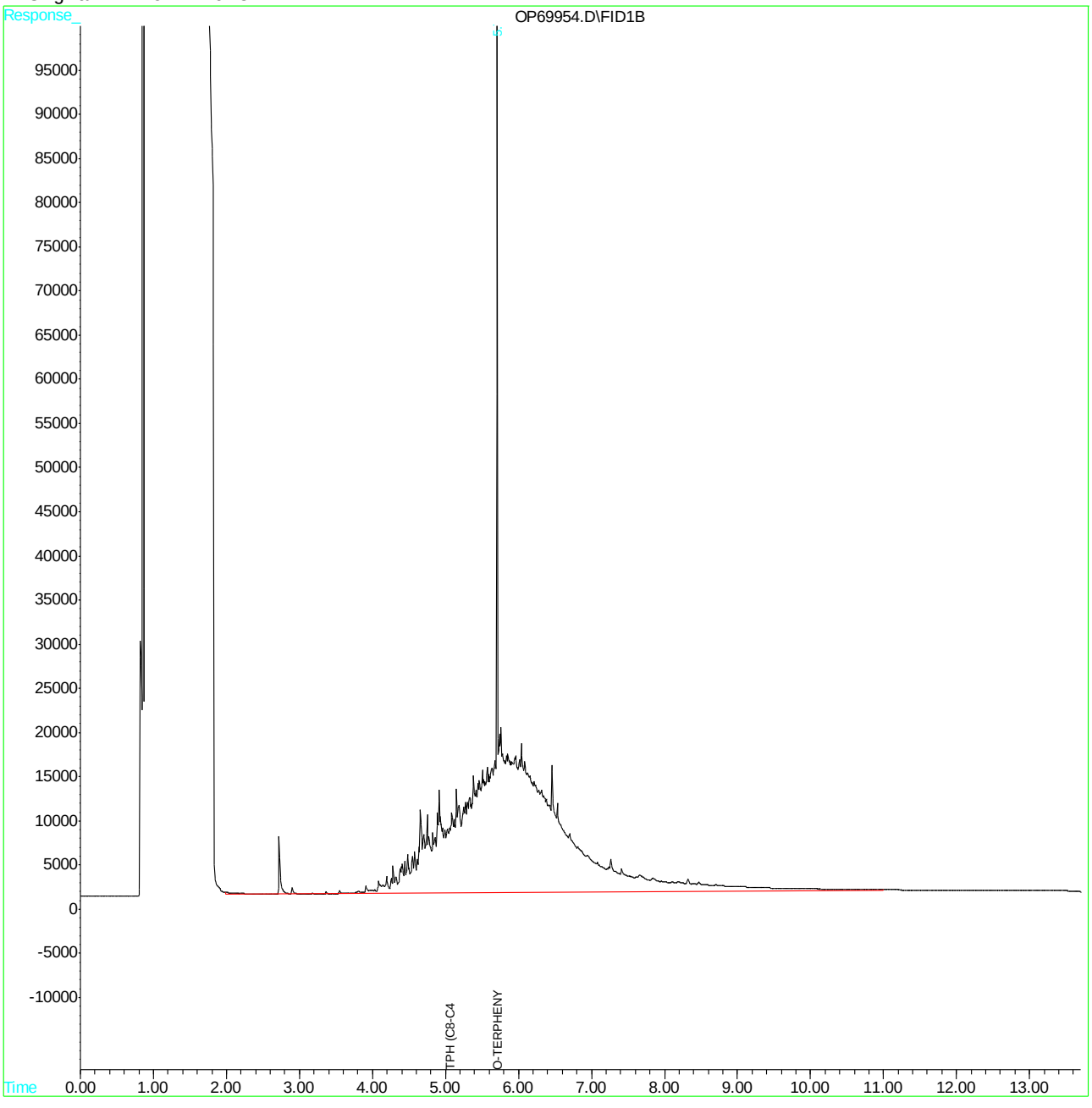
(f)=RT Delta > 1/2 Window (m)=manual int.
OP69954.D FL_PRO_R.M Wed Feb 14 13:34:12 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0213PRO\OP69954.D Vial: 53
Acq On : 14 Feb 2007 7:20 am Operator: fouads
Sample : f47081-3 Inst : FID 2
Misc : op19488,gop1856,770,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 10:58 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69955.D          Vial: 54
Acq On    : 14 Feb 2007   7:42 am                   Operator: fouads
Sample    : f47081-4                                Inst    : FID 2
Misc      : op19488,gop1856,1030,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14 10:54 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.71	973271	44.510 PPM
Spiked Amount 50.000	Range 38 - 122	Recovery = 89.02%	
Target Compounds			
2) H TPH (C8-C40)	5.06	16781472	818.281 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

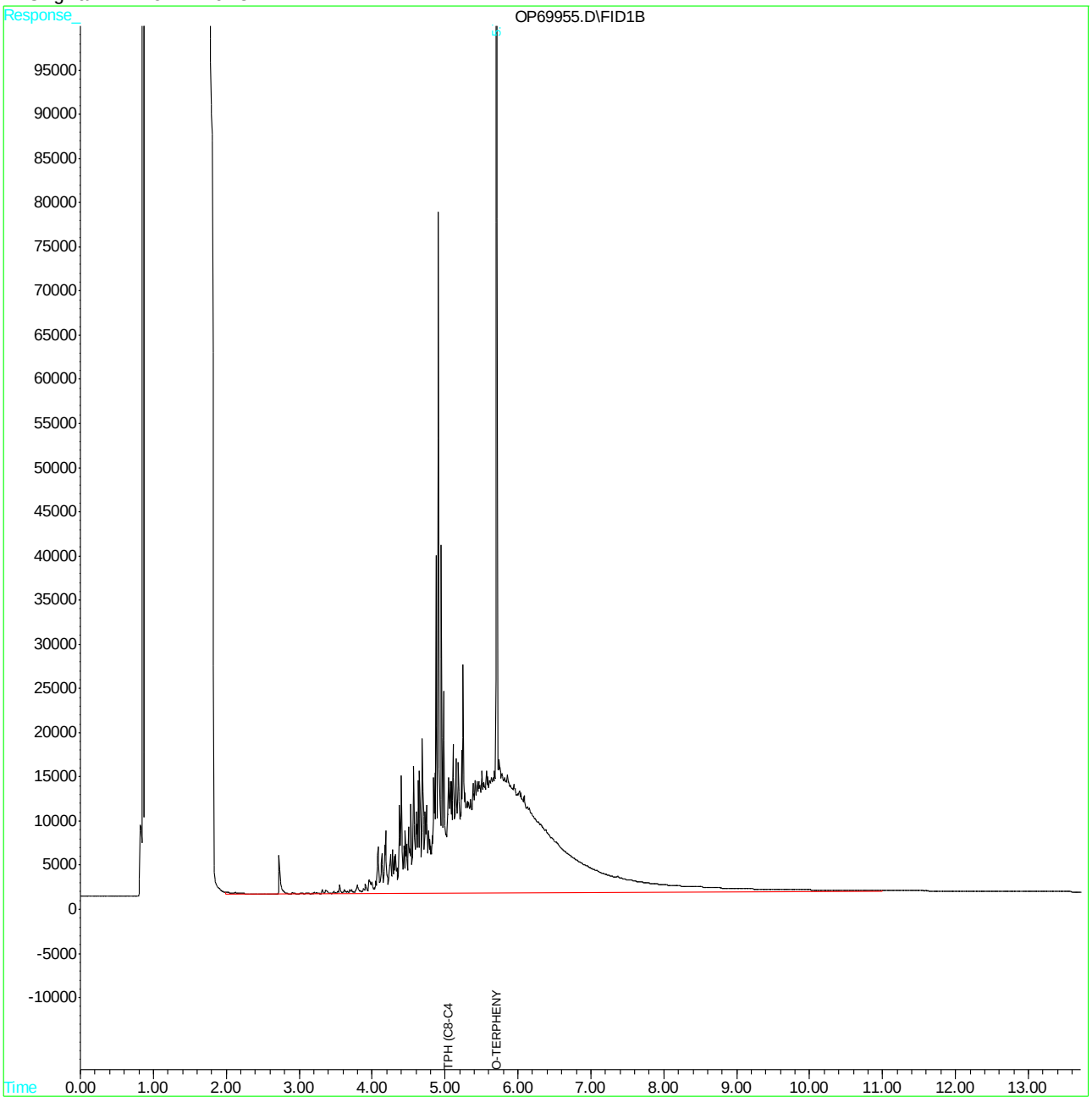
OP69955.D FL_PRO_R.M Wed Feb 14 13:34:12 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0213PRO\OP69955.D Vial: 54
Acq On : 14 Feb 2007 7:42 am Operator: fouads
Sample : f47081-4 Inst : FID 2
Misc : op19488,gop1856,1030,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 10:54 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69956.D          Vial: 55
Acq On    : 14 Feb 2007   8:05 am                   Operator: fouads
Sample    : f47081-5                                Inst    : FID 2
Misc      : op19488,gop1856,1040,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14 10:54 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.71	1004235	45.926 PPM
Spiked Amount 50.000 Range 38 - 122 Recovery = 91.85%			
Target Compounds			
2) H TPH (C8-C40)	5.06	1165282	56.820 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

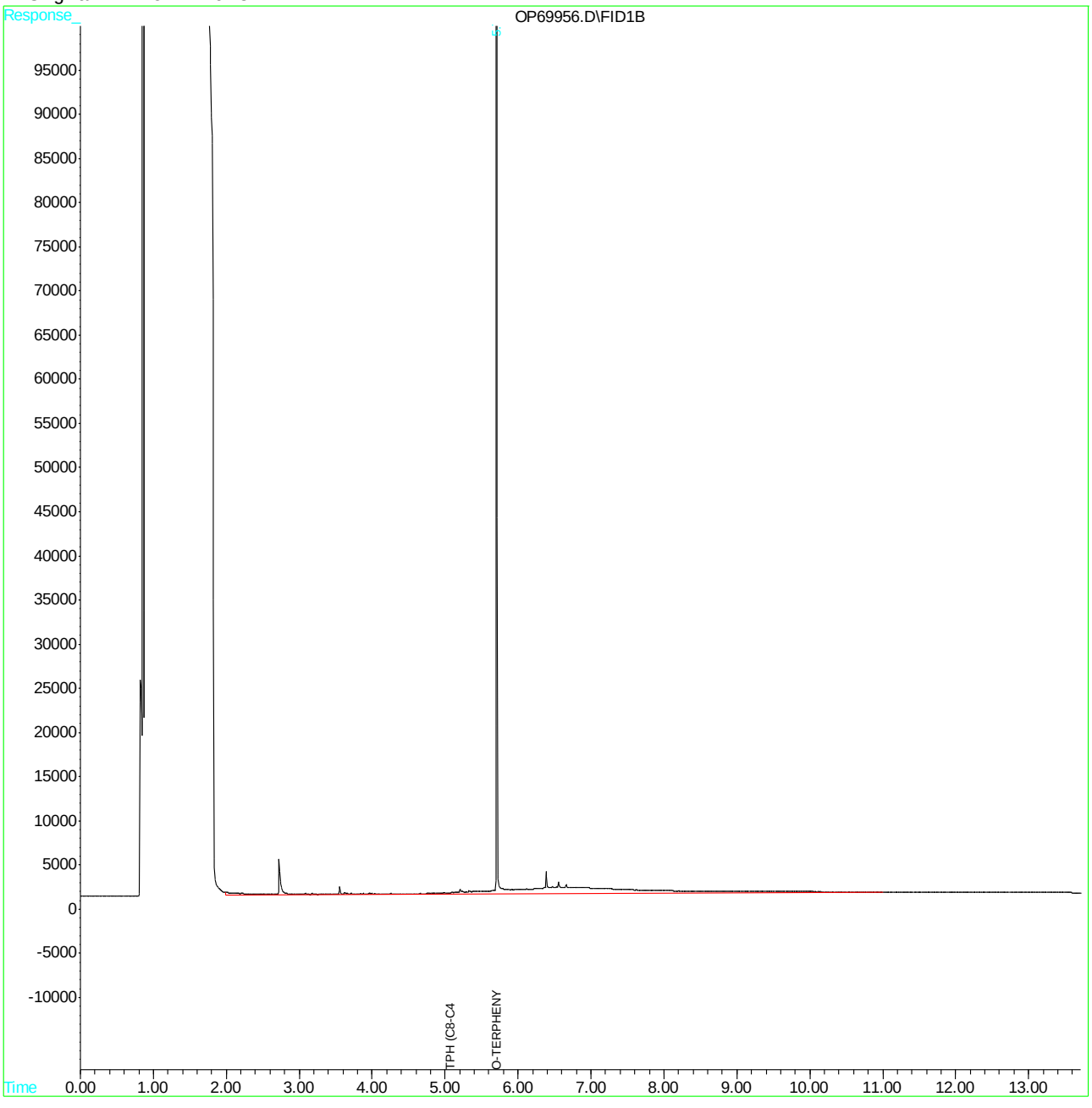
OP69956.D FL_PRO_R.M Wed Feb 14 13:34:13 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0213PRO\OP69956.D Vial: 55
Acq On : 14 Feb 2007 8:05 am Operator: fouads
Sample : f47081-5 Inst : FID 2
Misc : op19488,gop1856,1040,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 10:54 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69959.D          Vial: 56
Acq On    : 14 Feb 2007   9:13 am                   Operator: fouads
Sample    : f47081-6                                Inst    : FID 2
Misc      : op19488,gop1856,1020,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14 14:32 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.71	972079	44.455 PPM
Spiked Amount 50.000	Range 38 - 122	Recovery =	88.91%
Target Compounds			
2) H TPH (C8-C40)	5.06	3433102	167.401 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

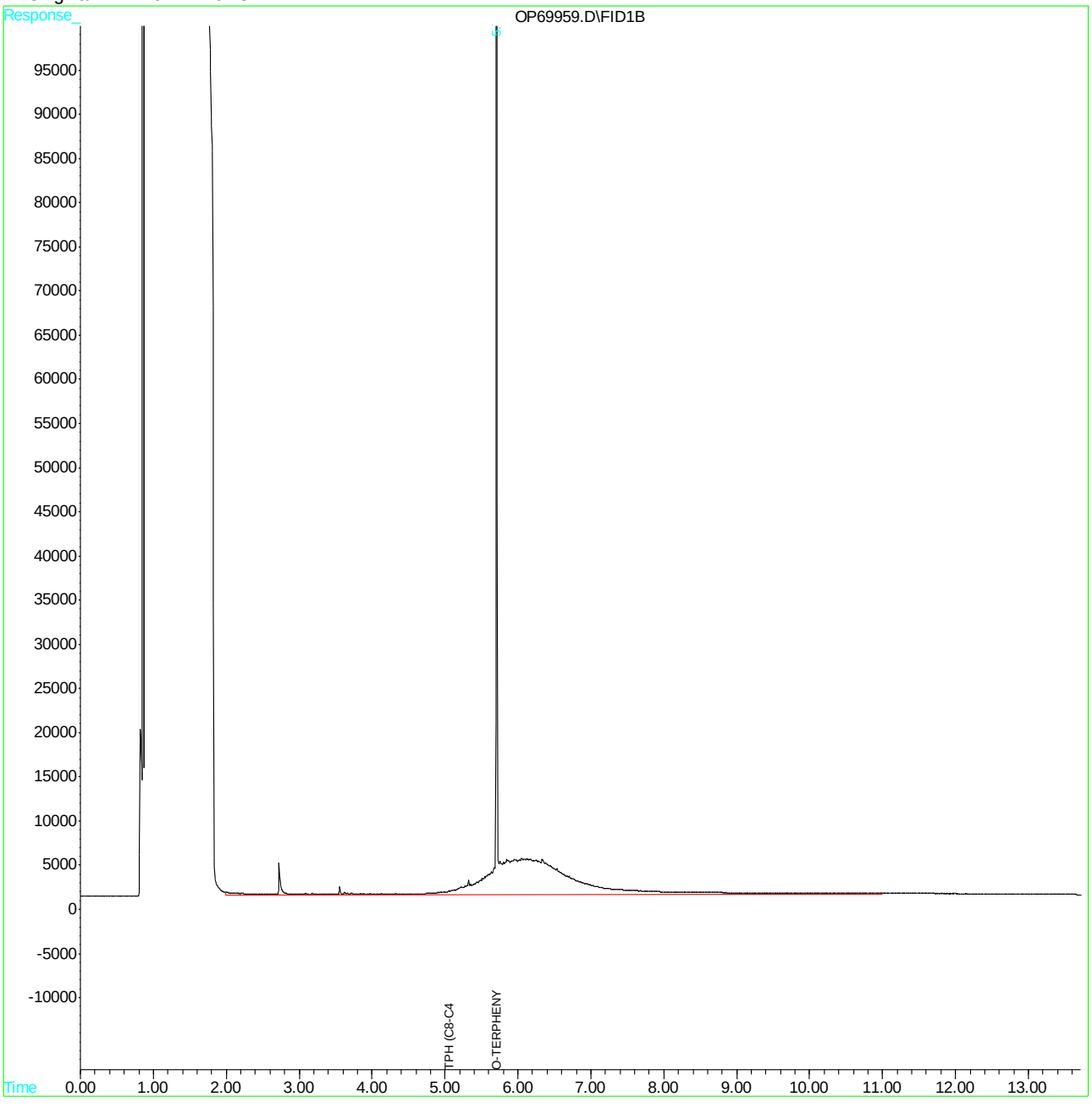
OP69959.D FL_PRO_R.M Wed Feb 14 14:41:55 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0213PRO\OP69959.D Vial: 56
Acq On : 14 Feb 2007 9:13 am Operator: fouads
Sample : f47081-6 Inst : FID 2
Misc : op19488,gop1856,1020,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 14:32 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36978.D          Vial: 8
Acq On    : 14 Feb 2007   1:06 pm                   Operator: fouads
Sample    : f47081-7,5                              Inst    : FID 1
Misc      : op19488,gij1544,1040,,,1,5,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 15  8:17 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Tue Jan 30 08:03:20 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.61	273115	9.345 PPM
Spiked Amount 50.000 Range 38 - 122 Recovery = 18.69%#			
Target Compounds			
2) H TPH (C8-C40)	5.00	26364106	967.968 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

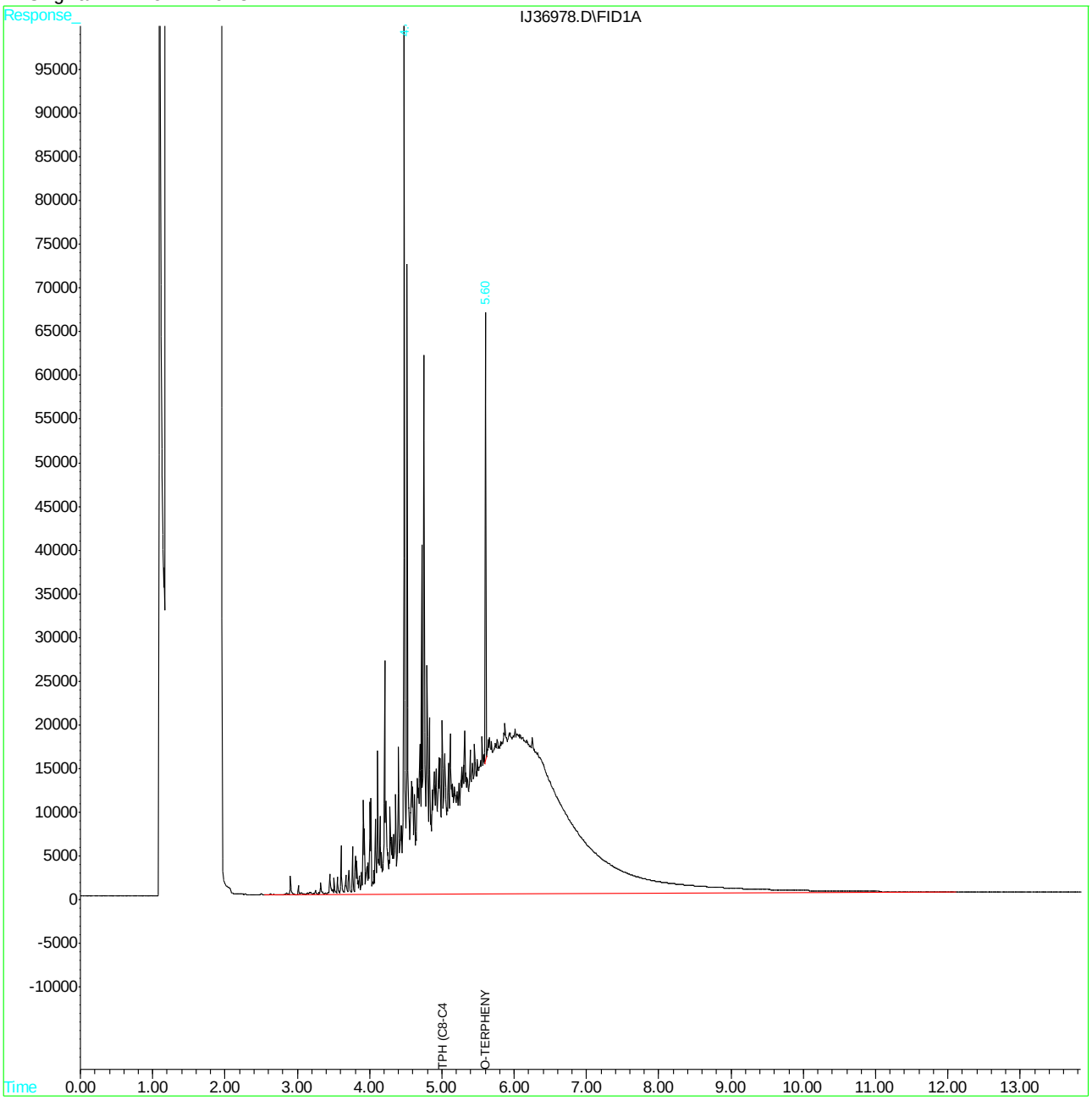
IJ36978.D FL_PRO_F.M Thu Feb 15 09:35:49 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36978.D Vial: 8
Acq On : 14 Feb 2007 1:06 pm Operator: fouads
Sample : f47081-7,5 Inst : FID 1
Misc : op19488,gij1544,1040,,,1,5,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 15 8:17 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Tue Jan 30 08:03:20 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69961.D          Vial: 58
Acq On    : 14 Feb 2007   9:58 am                   Operator: fouads
Sample    : f47081-8                                Inst    : FID 2
Misc      : op19488,gop1856,1000,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14 14:33 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.71	1073036	49.072 PPM
Spiked Amount 50.000 Range 38 - 122 Recovery = 98.14%			
Target Compounds			
2) H TPH (C8-C40)	5.06	1786980	87.135 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

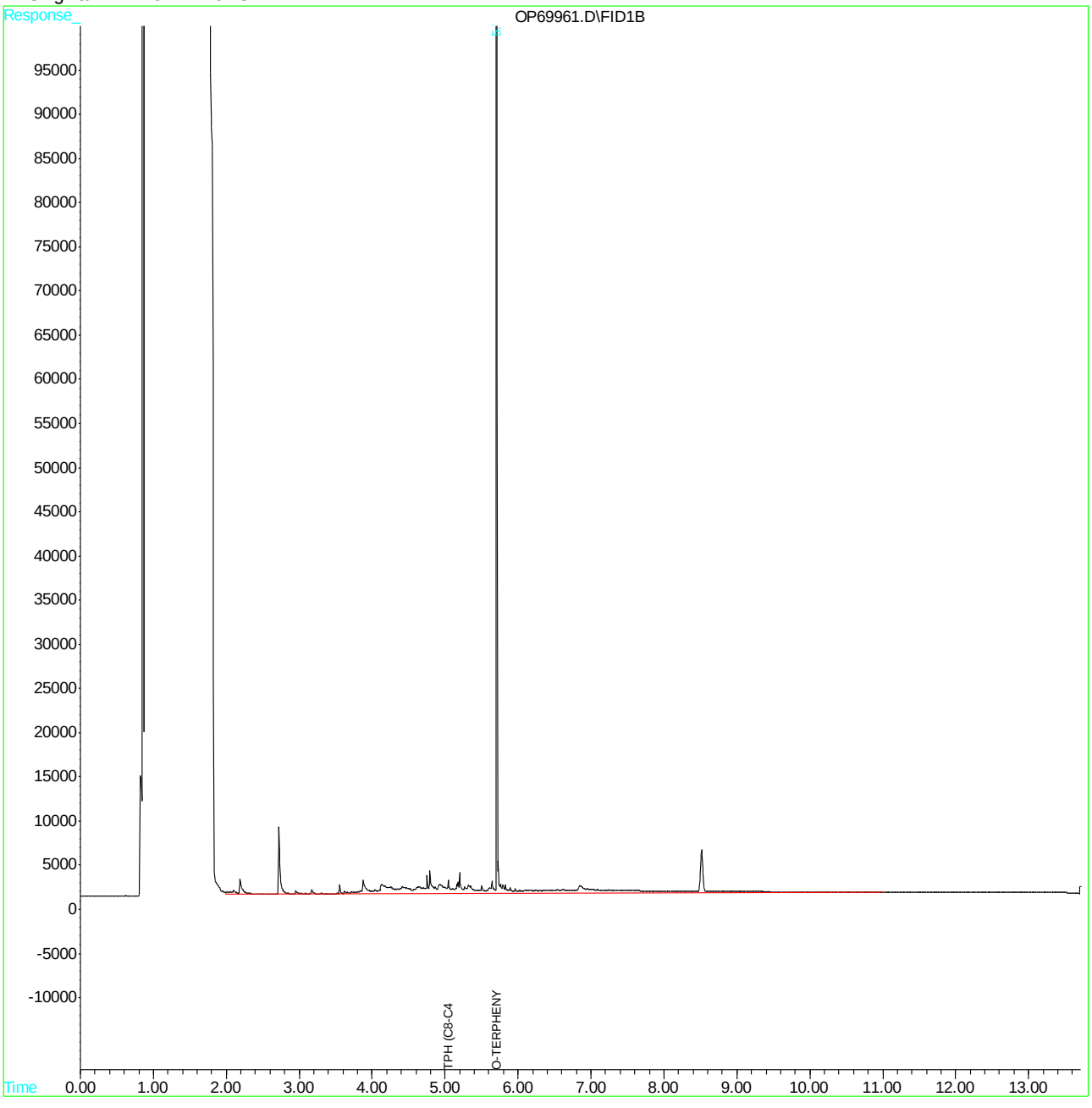
OP69961.D FL_PRO_R.M Wed Feb 14 14:41:57 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0213PRO\OP69961.D Vial: 58
Acq On : 14 Feb 2007 9:58 am Operator: fouads
Sample : f47081-8 Inst : FID 2
Misc : op19488,gop1856,1000,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 14:33 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046248.D\dad1B.ch Vial: 9
Signal #2 : P:\DATA\0219PAH\EE046248.D\dad1A.ch
Acq On : 19-Feb-2007, 14:48:42 Operator: MIKEE
Sample : OP19508-MB Inst : G1315B
Misc : op19508,gee1733,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
8) S O-Terphenyl	6.20	6.20	5463776	9139824	14.652	14.868
Spiked Amount 20.000 Range 43 - 121 Recovery =					73.26%	74.34%
12) S P-Terphenyl	8.34	8.34	23751698	11876244	16.901	16.912
Spiked Amount 20.000 Range 30 - 122 Recovery =					84.50%	84.56%
Target Compounds						
1) Naphthalene	0.00	0.00	0	0	N.D.	N.D.
2) Acenaphthylene	0.00	0.00	0	0	N.D.	N.D.
3) 1-Methyl Naphtha	0.00	0.00	0	0	N.D.	N.D.
4) 2-Methyl Naphtha	0.00	0.00	0	0	N.D.	N.D.
5) Acenaphthene	0.00	0.00	0	0	N.D.	N.D.
6) Fluorene	0.00	0.00	0	0	N.D.	N.D.
7) Phenanthrene	0.00	0.00	0	0	N.D.	N.D.
9) Anthracene	0.00	0.00	0	0	N.D.	N.D.
10) Fluoranthene	0.00	0.00	0	0	N.D.	N.D.
11) Pyrene	0.00	0.00	0	0	N.D.	N.D.
13) Benzo(a)Anthrace	0.00	0.00	0	0	N.D.	N.D.
14) Chrysene	0.00	0.00	0	0	N.D.	N.D.
15) Benzo(b)Fluorant	0.00	0.00	0	0	N.D.	N.D.
16) Benzo(k)Fluorant	0.00	0.00	0	0	N.D.	N.D.
17) Benzo(a) Pyrene	0.00	0.00	0	0	N.D.	N.D.
18) Dibenzo(a,h)anth	0.00	0.00	0	0	N.D.	N.D.
19) Benzo(g,h,i) Per	0.00	0.00	0	0	N.D.	N.D.
20) Indeno(1,2,3-cd)	0.00	0.00	0	0	N.D.	N.D.

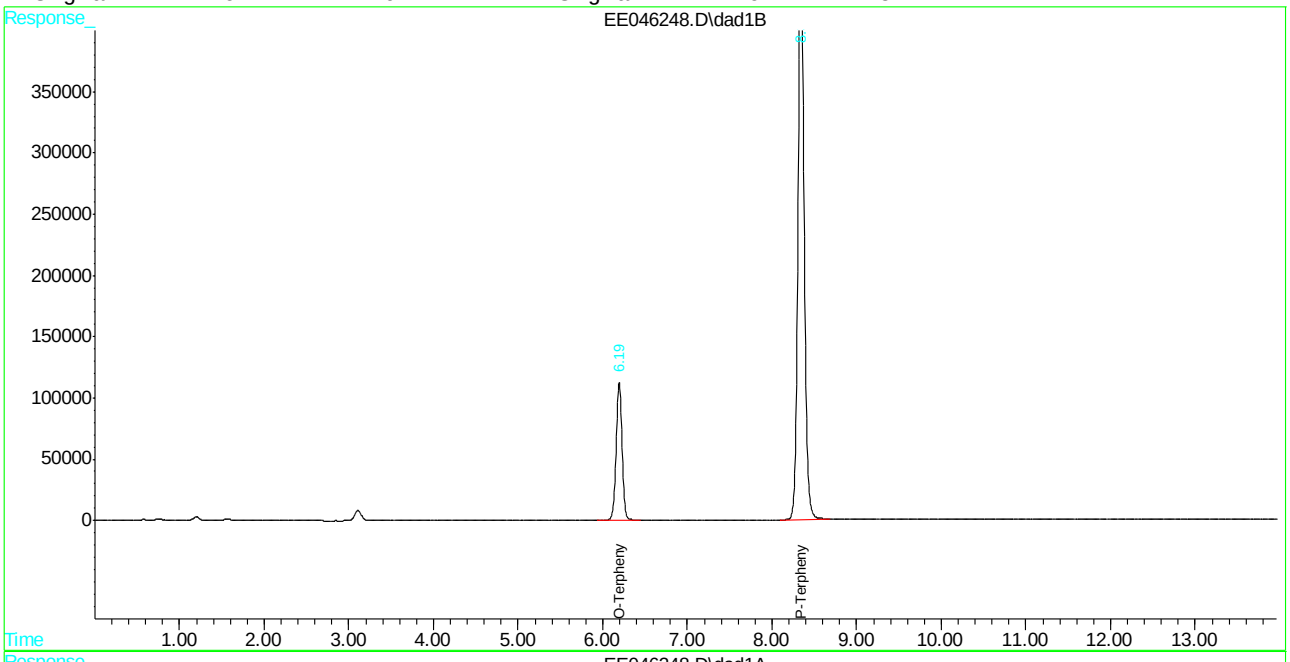
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046248.D 8310_32.M Tue Feb 20 15:59:12 2007

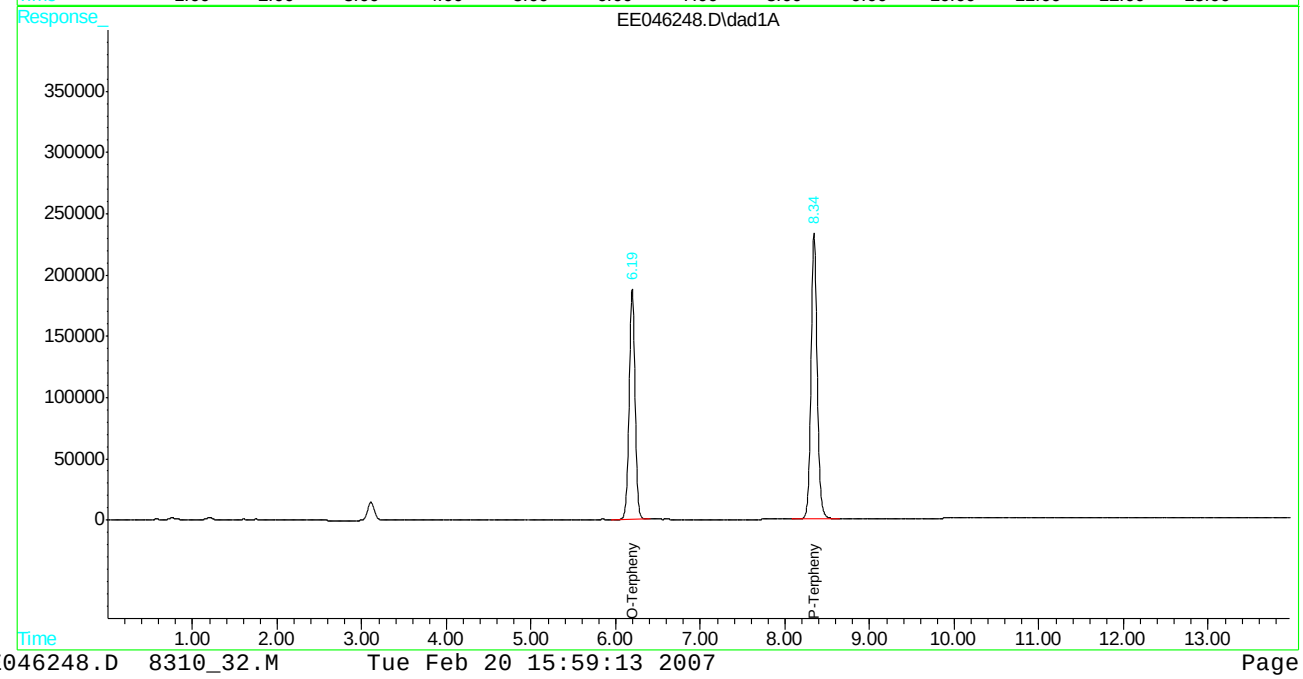
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046248.D\dad1B.ch Vial: 9
Signal #2 : P:\DATA\0219PAH\EE046248.D\dad1A.ch
Acq On : 19-Feb-2007, 14:48:42 Operator: MIKEE
Sample : OP19508-MB Inst : G1315B
Misc : op19508,gee1733,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69936.D          Vial: 37
Acq On    : 14 Feb 2007  12:32 am                   Operator: fouads
Sample    : op19488-mb                              Inst    : FID 2
Misc      : op19488,gop1856,1000,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14  7:30 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.71	1057254	48.350 PPM
Spiked Amount 50.000	Range 38 - 122	Recovery =	96.70%
Target Compounds			
2) H TPH (C8-C40)	5.06	427501	20.845 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

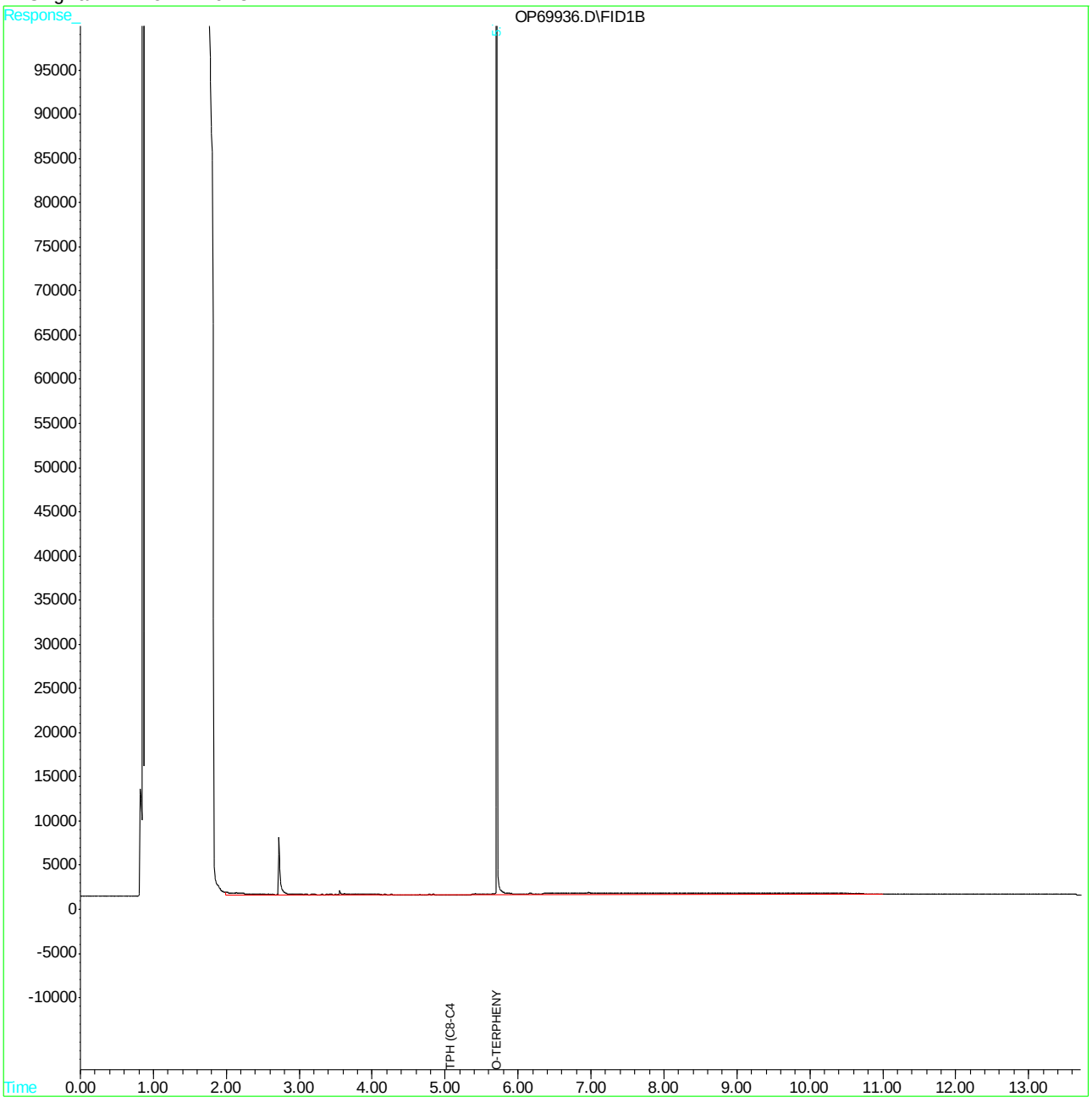
OP69936.D FL_PRO_R.M Wed Feb 14 09:49:18 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0213PRO\OP69936.D Vial: 37
Acq On : 14 Feb 2007 12:32 am Operator: fouads
Sample : op19488-mb Inst : FID 2
Misc : op19488,gop1856,1000,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 7:30 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36975.D          Vial: 5
Acq On    : 14 Feb 2007  11:59 am                   Operator: fouads
Sample    : op19488-mb                              Inst    : FID 1
Misc      : op19488,gij1544,1000,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 15  8:17 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Tue Jan 30 08:03:20 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.61	1188296	40.660 PPM
Spiked Amount 50.000 Range 38 - 122 Recovery = 81.32%			
Target Compounds			
2) H TPH (C8-C40)	5.00	575911	21.145 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

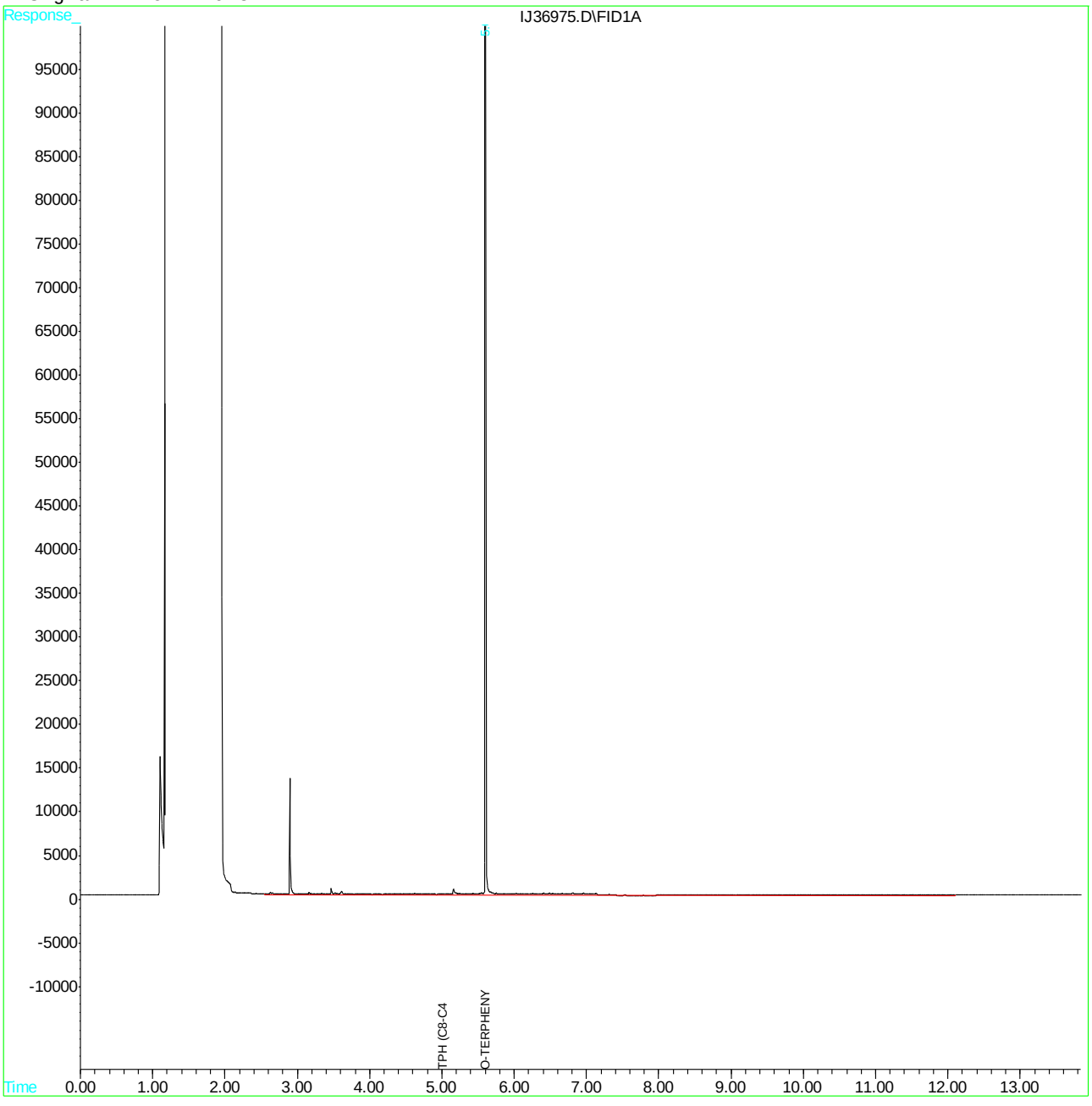
IJ36975.D FL_PRO_F.M Thu Feb 15 09:35:47 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36975.D Vial: 5
Acq On : 14 Feb 2007 11:59 am Operator: fouads
Sample : op19488-mb Inst : FID 1
Misc : op19488,gij1544,1000,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 15 8:17 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Tue Jan 30 08:03:20 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046247.D\dad1B.ch Vial: 8
Signal #2 : P:\DATA\0219PAH\EE046247.D\dad1A.ch
Acq On : 19-Feb-2007, 14:29:32 Operator: MIKEE
Sample : OP19508-BS Inst : G1315B
Misc : op19508,gee1733,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.19	6.19	6589492	10928207	17.671	17.777
	Spiked Amount 20.000 Range 43 - 121 Recovery =					88.35%	88.89%
12) S	P-Terphenyl	8.34	8.34	26038300	13046505	18.529	18.579
	Spiked Amount 20.000 Range 30 - 122 Recovery =					92.64%	92.90%
	Target Compounds						
1)	Naphthalene	3.88	3.88	7303117	4479569	14.781	15.175
2)	Acenaphthylene	4.37	4.37	3431544	3562944	17.327	17.982
3)	1-Methyl Naphtha	4.73	4.73	6371294	2759833	15.751	15.691
4)	2-Methyl Naphtha	4.94	4.94	6199579	3763002	15.081	15.067
5)	Acenaphthene	5.14	5.14	5203466	1865666	17.181	17.677
6)	Fluorene	5.31	5.31	19871286	22038366	17.321	17.397
7)	Phenanthrene	5.85	5.85	17963090	59904972	18.045	18.463
9)	Anthracene	6.46	6.46	1140479	58305369	8.766	8.460
10)	Fluoranthene	6.96	6.96	15323062	14915102	18.625	18.442
11)	Pyrene	7.41	7.41	23317056	13368245	18.494	17.924
13)	Benzo(a)Anthrace	8.72	8.72	20547680	15143163	9.128	9.100
14)	Chrysene	9.11	9.11	26294044	21438509	9.287	9.167
15)	Benzo(b)Fluorant	9.93	9.93	10260056	9290894	9.254	9.298
16)	Benzo(k)Fluorant	10.48	10.48	5941936	13441428	9.130	9.146
17)	Benzo(a) Pyrene	10.97	10.97	11010107	9015165	9.103	9.142
18)	Dibenzo(a,h)anth	11.82	11.82	8430476	21620138	9.199	9.313
19)	Benzo(g,h,i) Per	12.26	12.26	5927583	9752621	9.197	9.458
20)	Indeno(1,2,3-cd)	12.89	12.89	4532422	6218790	9.035	9.083

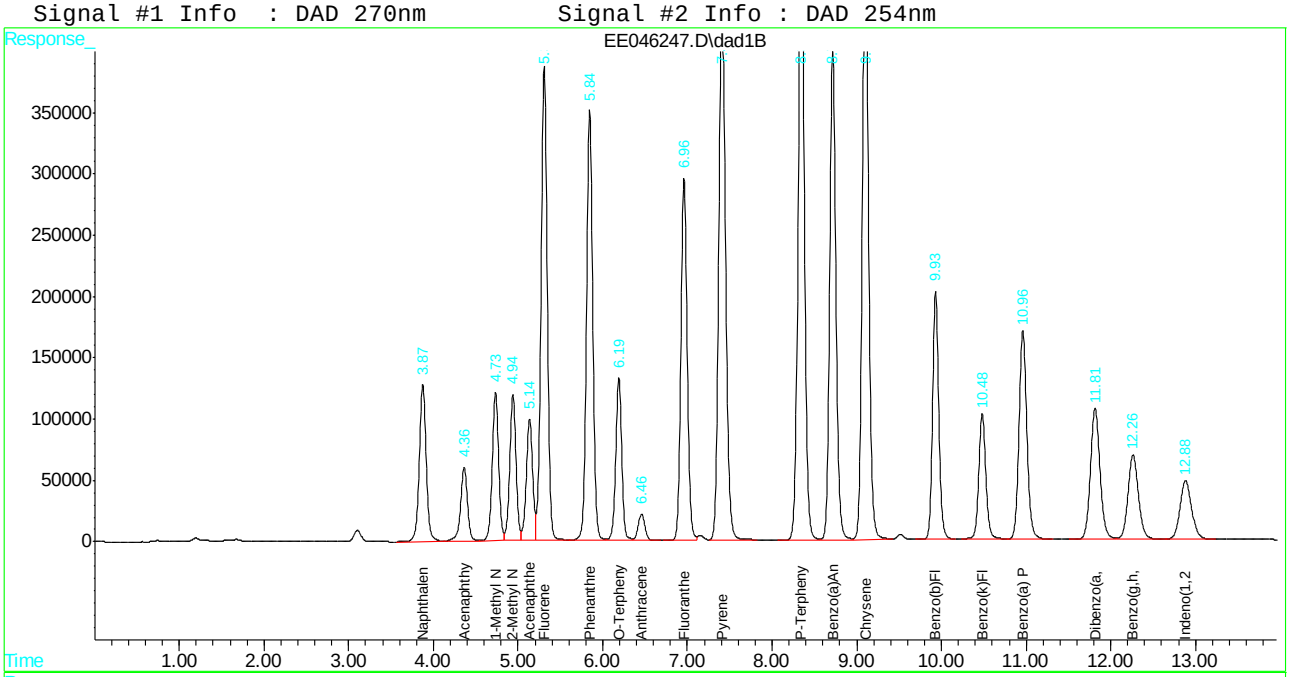
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046247.D 8310_32.M Tue Feb 20 15:59:10 2007

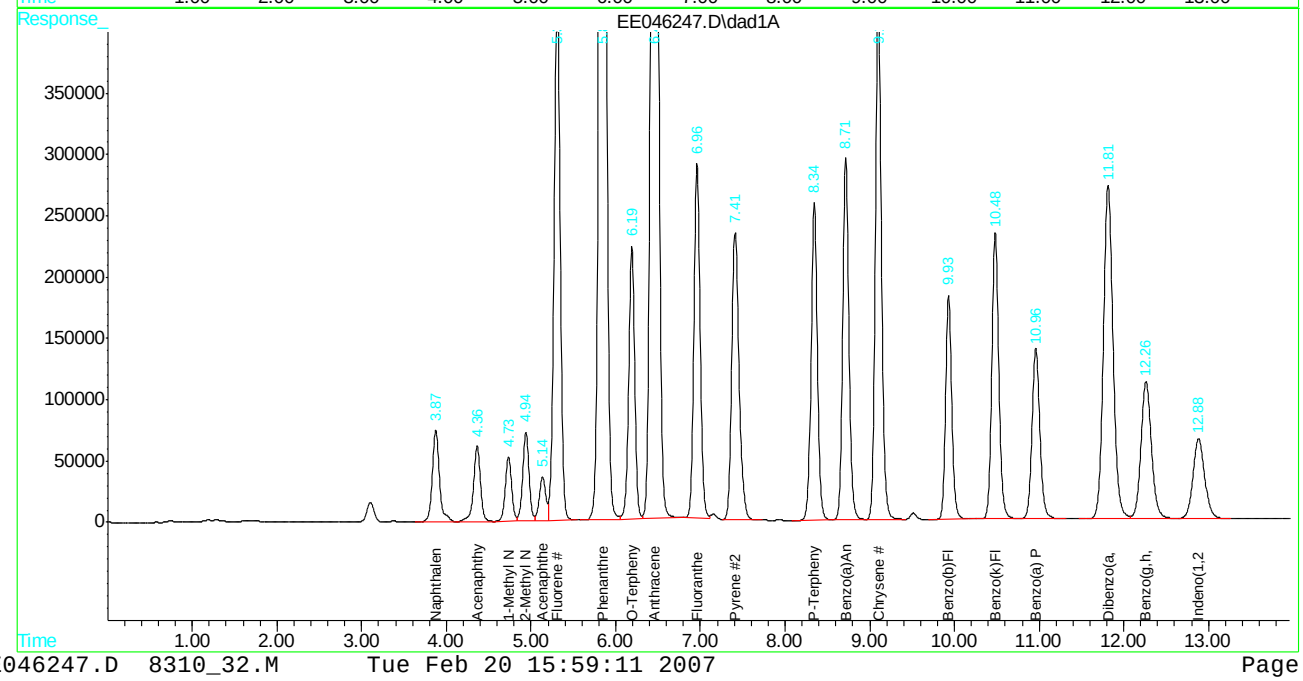
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046247.D\dad1B.ch Vial: 8
Signal #2 : P:\DATA\0219PAH\EE046247.D\dad1A.ch
Acq On : 19-Feb-2007, 14:29:32 Operator: MIKEE
Sample : OP19508-BS Inst : G1315B
Misc : op19508,gee1733,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69935.D          Vial: 36
Acq On    : 14 Feb 2007  12:09 am                   Operator: fouads
Sample    : op19488-bs                              Inst    : FID 2
Misc      : op19488,gop1856,1000,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14  7:30 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.71	1101054	50.353 PPM
Spiked Amount 50.000	Range 38 - 122	Recovery = 100.71%	
Target Compounds			
2) H TPH (C8-C40)	5.06	16332833	796.404 PPM

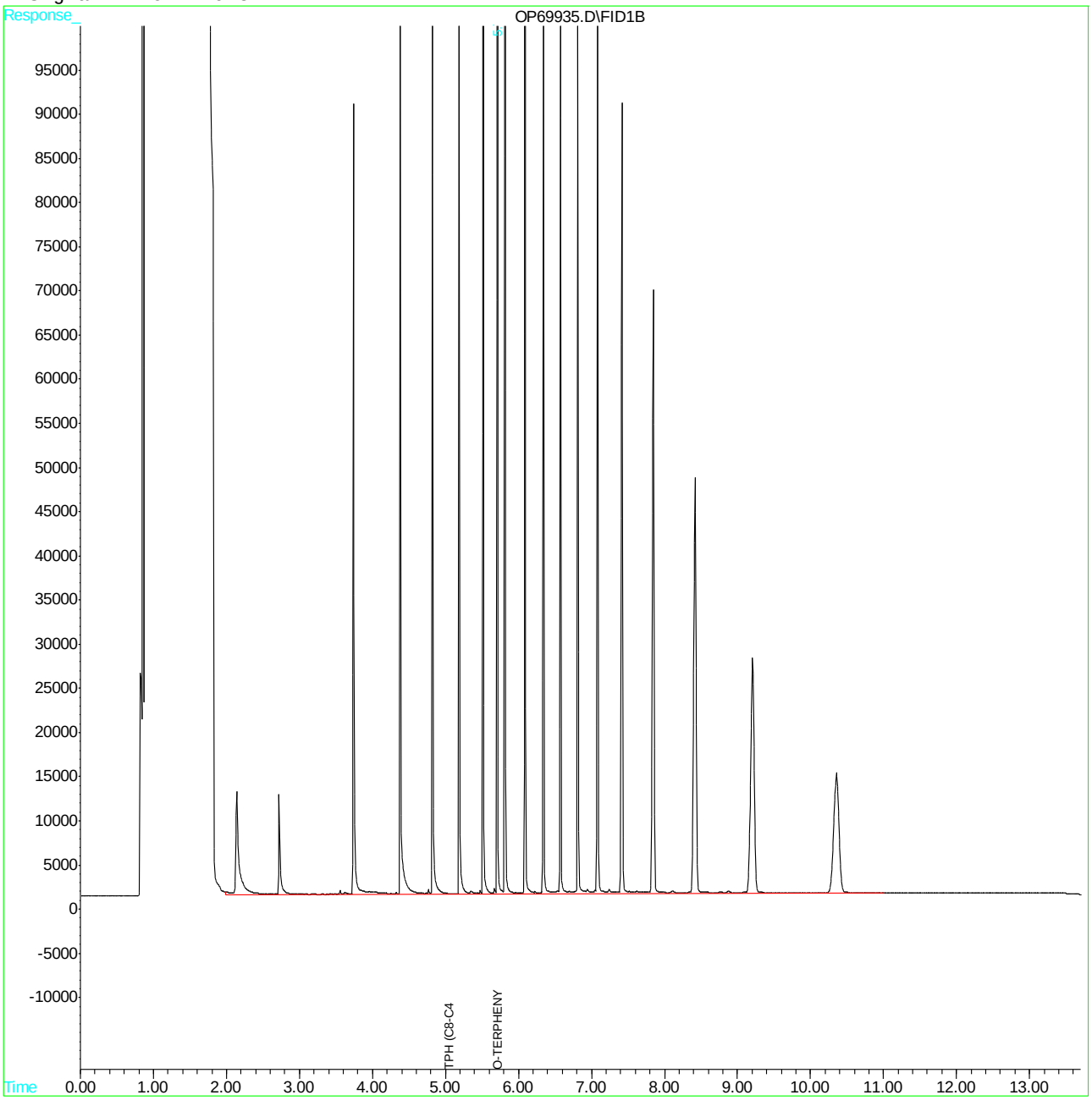
(f)=RT Delta > 1/2 Window (m)=manual int.
OP69935.D FL_PRO_R.M Wed Feb 14 09:49:16 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0213PRO\OP69935.D Vial: 36
Acq On : 14 Feb 2007 12:09 am Operator: fouads
Sample : op19488-bs Inst : FID 2
Misc : op19488,gop1856,1000,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 7:30 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046260.D\dad1B.ch Vial: 19
Signal #2 : P:\DATA\0219PAH\EE046260.D\dad1A.ch
Acq On : 19-Feb-2007, 18:38:54 Operator: MIKEE
Sample : OP19508-MS Inst : G1315B
Misc : op19508,gee1733,500,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.19	6.19	5383363	8930454	14.436	14.528
	Spiked Amount 20.000 Range 43 - 121 Recovery =					72.18%	72.64%
12) S	P-Terphenyl	8.35	8.35	20344606	10204206	14.477	14.531
	Spiked Amount 20.000 Range 30 - 122 Recovery =					72.39%	72.66%
	Target Compounds						
1)	Naphthalene	3.87	3.87	6388211	4084046	12.929	13.835
2)	Acenaphthylene	4.37	4.37	2917994	3042536	14.734	15.355
3)	1-Methyl Naphtha	4.73	4.73	5437097	2372026	13.442	13.486
4)	2-Methyl Naphtha	4.94	4.94	5291515	3219740	12.872	12.892
5)	Acenaphthene	5.14	5.14	4376480	1570710	14.450	14.882
6)	Fluorene	5.31	5.31	16579789	18386984	14.452	14.514
7)	Phenanthrene	5.85	5.85	14907357	49796316	14.975	15.348
9)	Anthracene	6.46	6.46	963262	49058580	7.404	7.030
10)	Fluoranthene	6.96	6.96	13139728	12793229	15.971	15.818
11)	Pyrene	7.41	7.41	20136058	11553358	15.971	15.491
13)	Benzo(a)Anthrace	8.72	8.72	18126510	13385943	8.052	8.044
14)	Chrysene	9.11	9.11	23433079	19163505	8.277	8.194
15)	Benzo(b)Fluorant	9.94	9.94	8954296	8074258	8.076	8.080
16)	Benzo(k)Fluorant	10.49	10.49	5063415	11484641	7.780	7.815
17)	Benzo(a) Pyrene	10.97	10.97	9411547	7702610	7.781	7.811
18)	Dibenzo(a,h)anth	11.83	11.83	6875427	17671668	7.502	7.612
19)	Benzo(g,h,i) Per	12.27	12.27	4891671	8053976	7.590	7.811
20)	Indeno(1,2,3-cd)	12.90	12.90	3787665	5197079	7.551	7.591

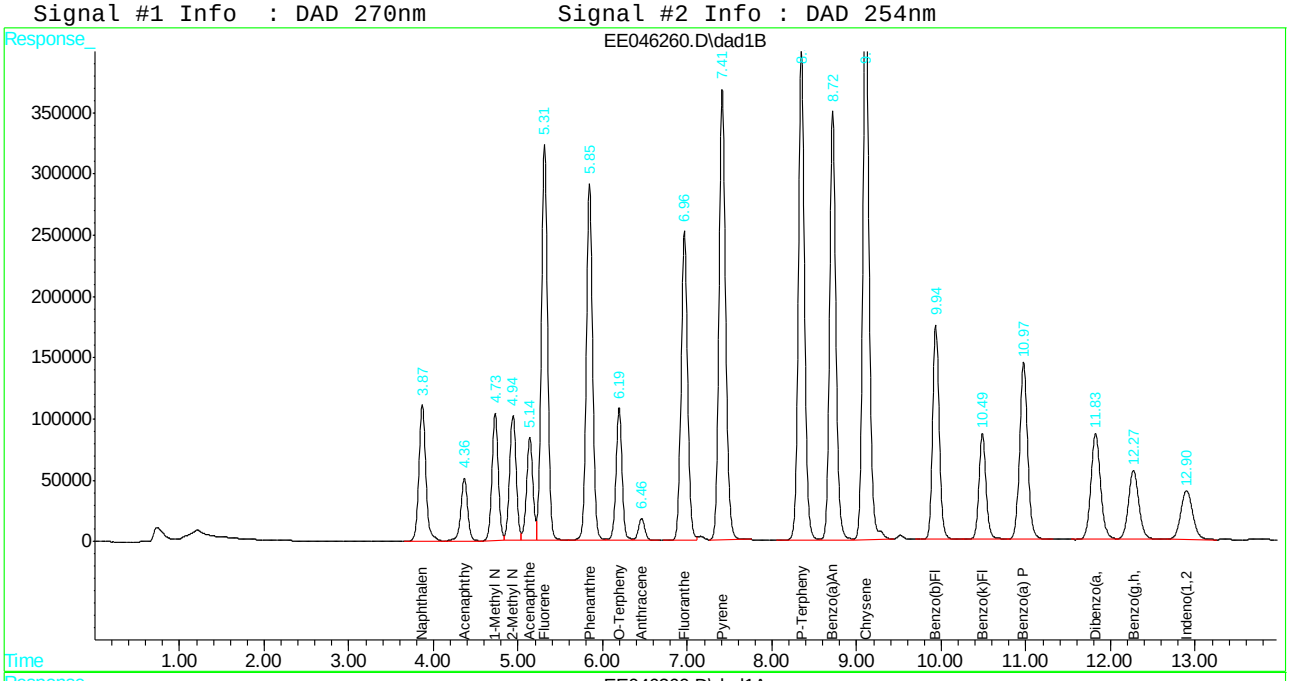
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046260.D 8310_32.M Tue Feb 20 15:59:38 2007

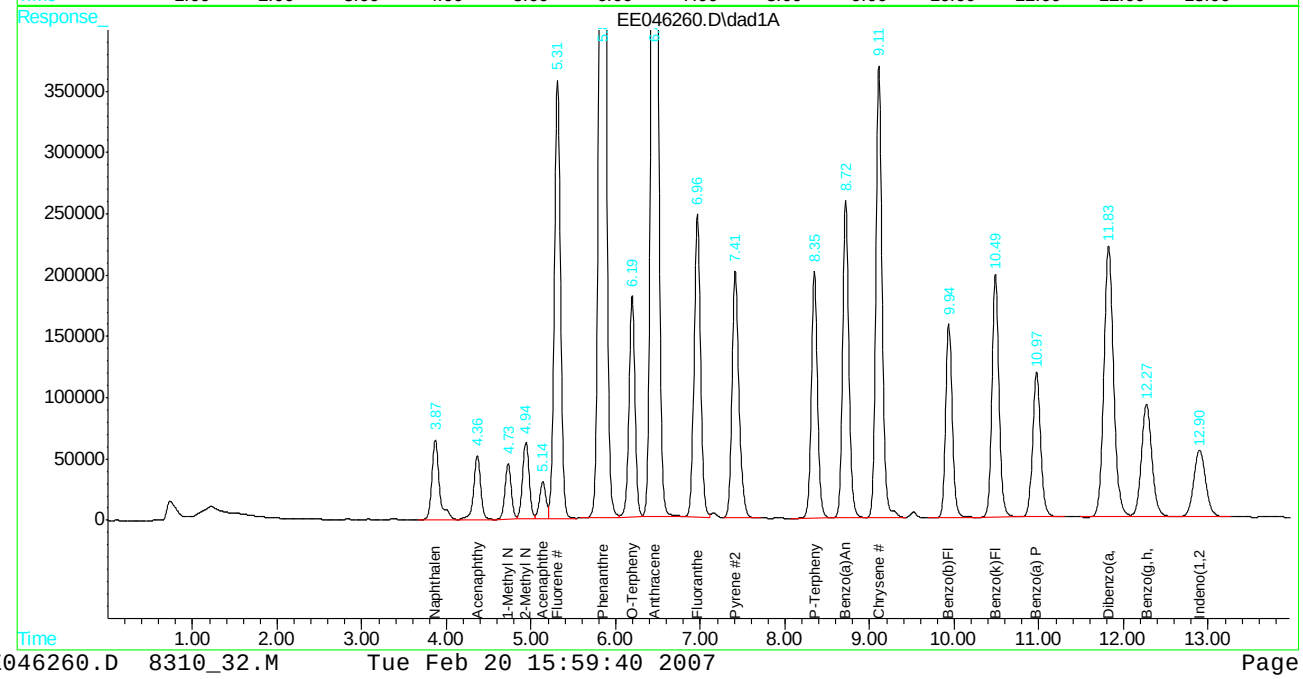
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046260.D\dad1B.ch Vial: 19
Signal #2 : P:\DATA\0219PAH\EE046260.D\dad1A.ch
Acq On : 19-Feb-2007, 18:38:54 Operator: MIKEE
Sample : OP19508-MS Inst : G1315B
Misc : op19508,gee1733,500,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046261.D\dad1B.ch Vial: 20
Signal #2 : P:\DATA\0219PAH\EE046261.D\dad1A.ch
Acq On : 19-Feb-2007, 18:58:05 Operator: MIKEE
Sample : OP19508-MSD Inst : G1315B
Misc : op19508,gee1733,500,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.19	6.19	5600268	9281469	15.018	15.099
	Spiked Amount 20.000 Range 43 - 121 Recovery =					75.09%	75.50%
12) S	P-Terphenyl	8.35	8.35	22085725	11071614	15.716	15.766
	Spiked Amount 20.000 Range 30 - 122 Recovery =					78.58%	78.83%
	Target Compounds						
1)	Naphthalene	3.87	3.87	6649422	4300588	13.458	14.568
2)	Acenaphthylene	4.37	4.37	2999234	3124139	15.144	15.767
3)	1-Methyl Naphtha	4.73	4.73	5608506	2448612	13.866	13.922
4)	2-Methyl Naphtha	4.94	4.94	5469459	3328553	13.305	13.328
5)	Acenaphthene	5.14	5.14	4494711	1610691	14.841	15.261
6)	Fluorene	5.31	5.31	17093083	18932535	14.899	14.945
7)	Phenanthrene	5.85	5.85	15439087	51543780	15.509	15.886
9)	Anthracene	6.46	6.46	993495	50641119	7.636	7.272
10)	Fluoranthene	6.96	6.96	13435606	13078061	16.331	16.171
11)	Pyrene	7.41	7.41	20506626	11772411	16.265	15.784
13)	Benzo(a)Anthrace	8.72	8.72	19068248	14077986	8.471	8.460
14)	Chrysene	9.11	9.11	24744249	20238685	8.740	8.654
15)	Benzo(b)Fluorant	9.94	9.94	9545621	8611598	8.609	8.618
16)	Benzo(k)Fluorant	10.49	10.49	5460687	12384993	8.391	8.427
17)	Benzo(a) Pyrene	10.98	10.98	10092709	8262650	8.344	8.379
18)	Dibenzo(a,h)anth	11.83	11.83	7588883	19569735	8.281	8.430
19)	Benzo(g,h,i) Per	12.28	12.28	5386596	8869893	8.358	8.602
20)	Indeno(1,2,3-cd)	12.91	12.91	4137827	5665048	8.249	8.274

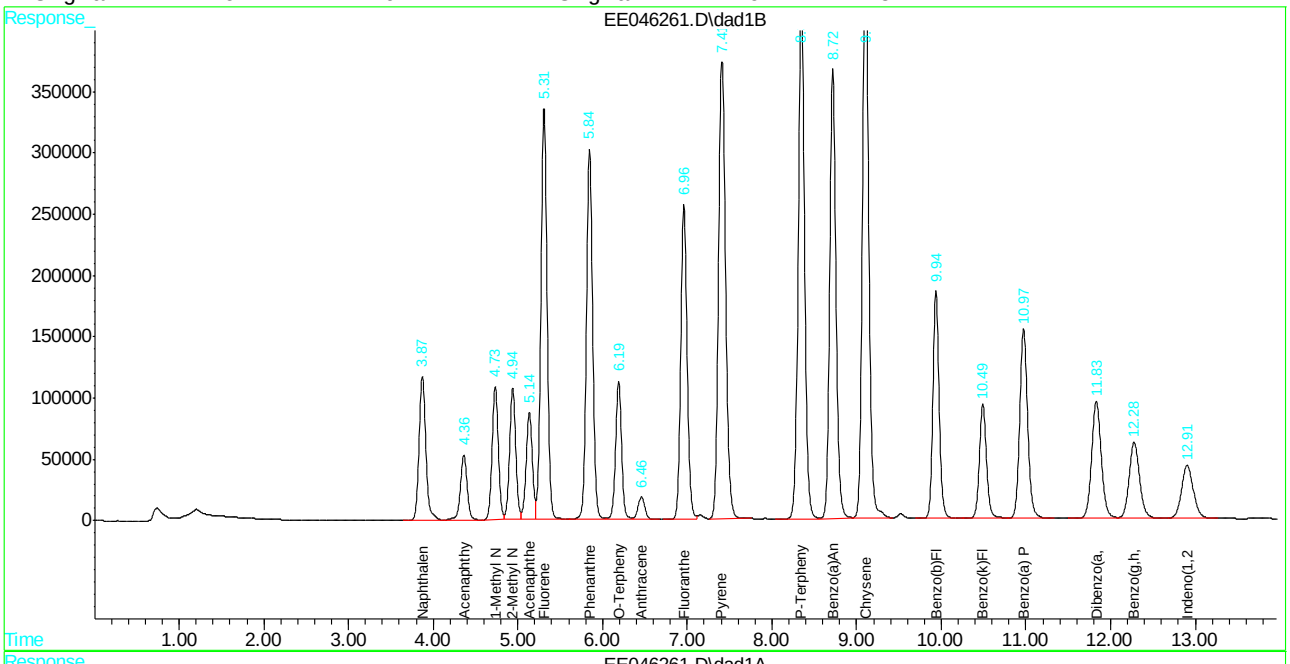
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046261.D 8310_32.M Tue Feb 20 15:59:41 2007

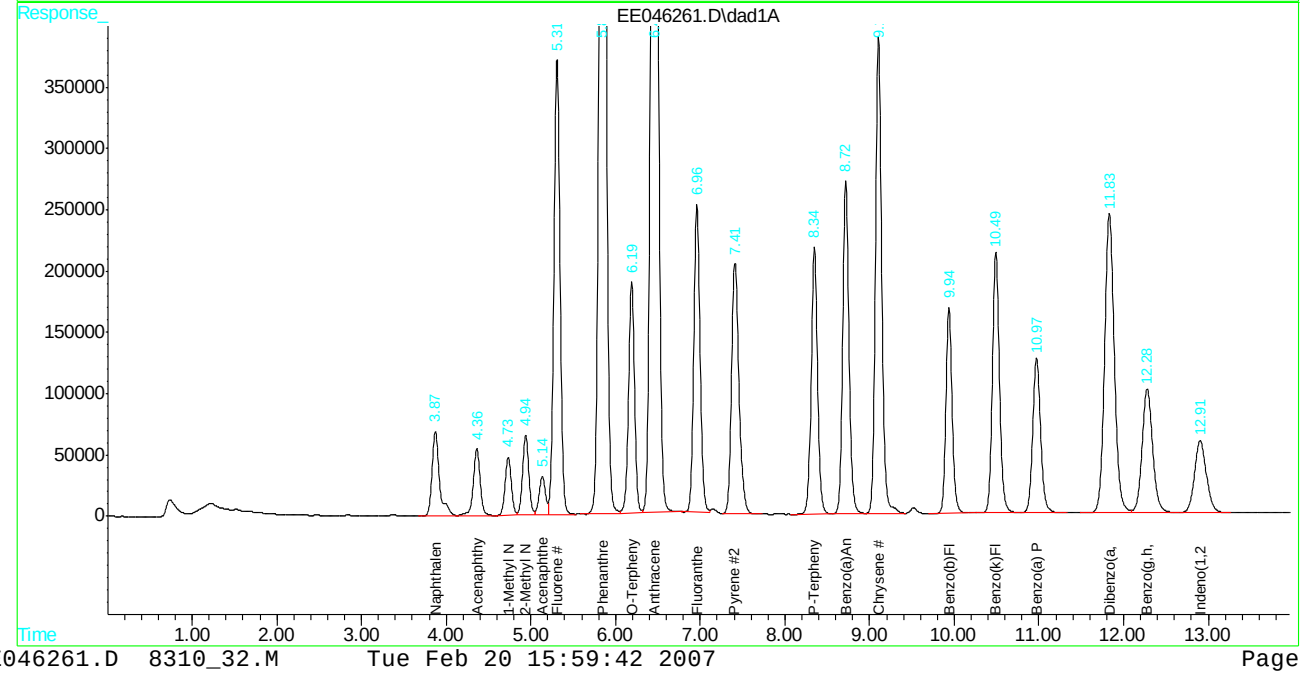
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046261.D\dad1B.ch Vial: 20
Signal #2 : P:\DATA\0219PAH\EE046261.D\dad1A.ch
Acq On : 19-Feb-2007, 18:58:05 Operator: MIKEE
Sample : OP19508-MSD Inst : G1315B
Misc : op19508,gee1733,500,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69938.D          Vial: 39
Acq On    : 14 Feb 2007   1:17 am                   Operator: fouads
Sample    : op19488-ms                              Inst    : FID 2
Misc      : op19488,gop1856,510,,,1,1,water         Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14  7:30 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.71	991750	45.355 PPM
Spiked Amount 50.000	Range 38 - 122	Recovery =	90.71%
Target Compounds			
2) H TPH (C8-C40)	5.06	16664400	812.572 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

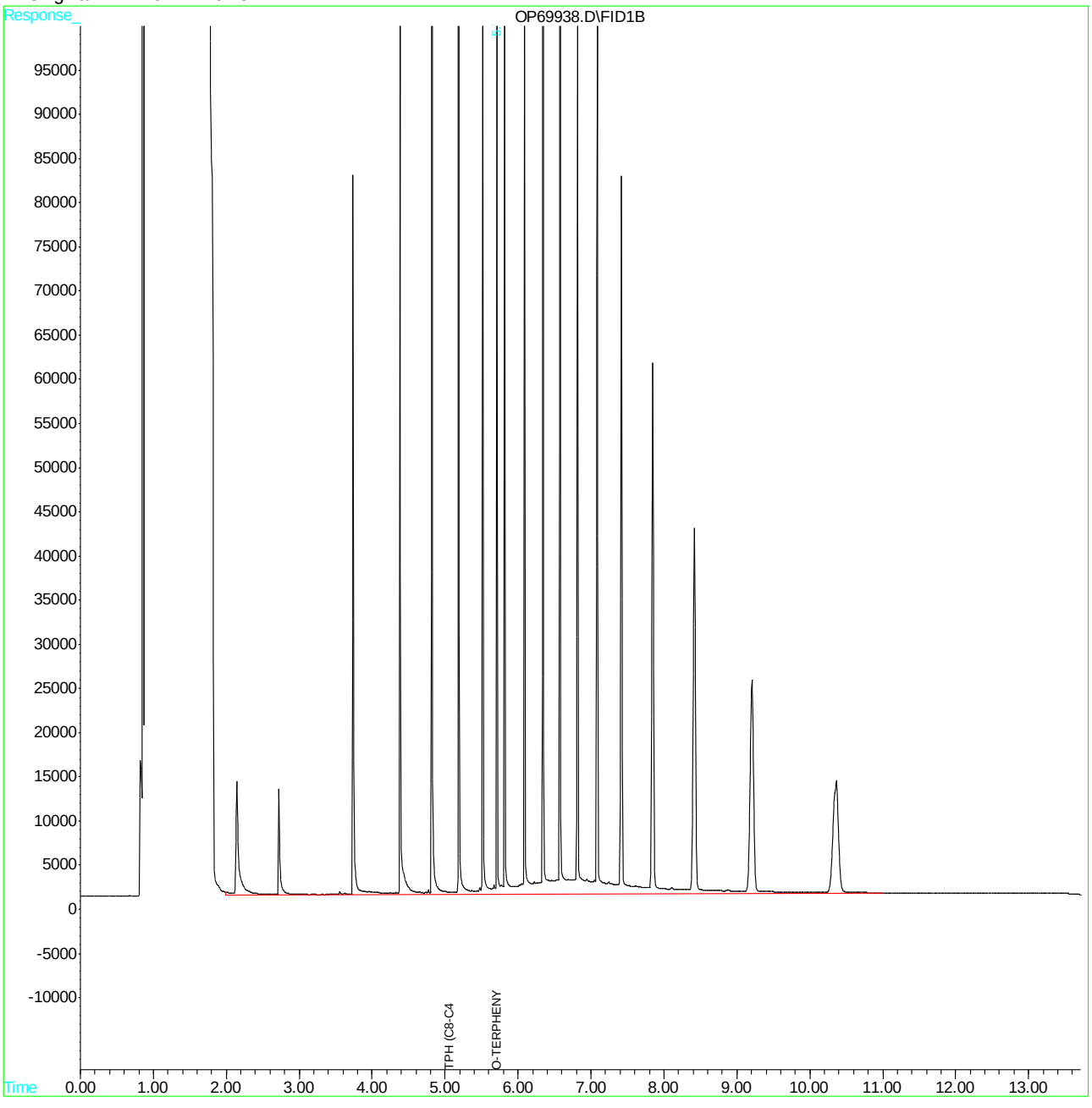
OP69938.D FL_PRO_R.M Wed Feb 14 09:49:22 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0213PRO\OP69938.D Vial: 39
Acq On : 14 Feb 2007 1:17 am Operator: fouads
Sample : op19488-ms Inst : FID 2
Misc : op19488,gop1856,510,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 7:30 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69939.D          Vial: 40
Acq On    : 14 Feb 2007   1:40 am                   Operator: fouads
Sample    : op19488-msd                             Inst    : FID 2
Misc      : op19488,gop1856,510,,,1,1,water         Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14  7:30 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.71	1032303	47.209 PPM
Spiked Amount 50.000	Range 38 - 122	Recovery = 94.42%	
Target Compounds			
2) H TPH (C8-C40)	5.06	16921802	825.123 PPM

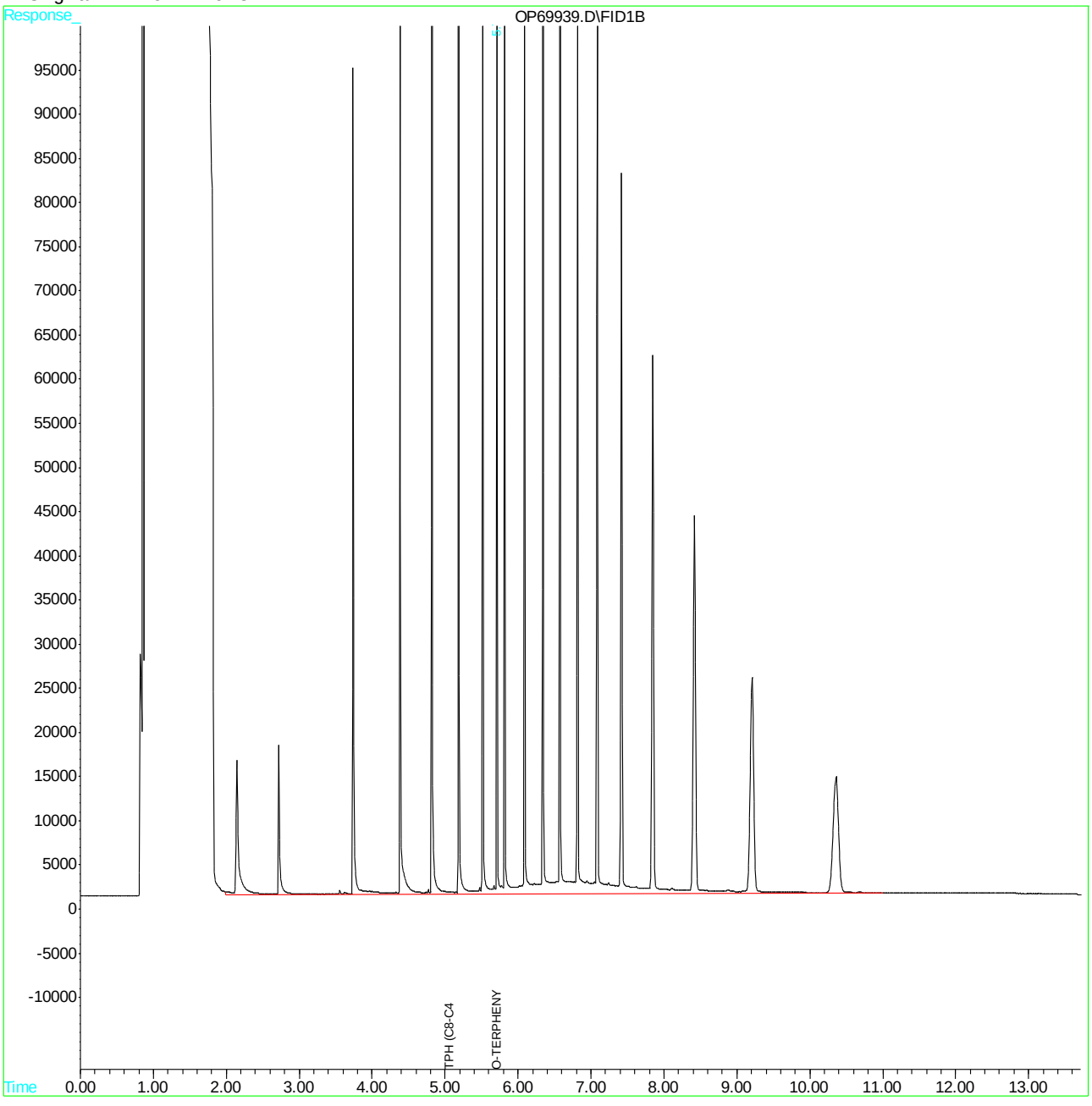
(f)=RT Delta > 1/2 Window (m)=manual int.
OP69939.D FL_PRO_R.M Wed Feb 14 09:49:25 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0213PRO\OP69939.D Vial: 40
Acq On : 14 Feb 2007 1:40 am Operator: fouads
Sample : op19488-msd Inst : FID 2
Misc : op19488,gop1856,510,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 7:30 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Manual Integrations APPROVED (compounds with "m" flag)
Stephanie Weber
09/05/06 15:03

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042455.D\dad1B.ch Vial: 3
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042455.D\dad1A.ch
Acq On : 01-Sep-2006, 11:47:59 Operator: MIKEE
Sample : IC1620-0.4 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 14:20 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.16	6.16	154282	243752	0.413m	0.388m
	Spiked Amount 20.000 Range 36 - 114 Recovery =					2.06%#	1.94%#
12) S	P-Terphenyl	8.33	8.33	600179	305654	0.436	0.446m
	Spiked Amount 20.000 Range 31 - 121 Recovery =					2.18%#	2.23%#
	Target Compounds						
1)	Naphthalene	3.84	3.84	190920	115616	0.380m	0.386m
2)	Acenaphthylene	4.33	4.33	79984	80405	0.402m	0.404m
3)	1-Methyl Naphtha	4.70	4.70	155670	69603	0.381m	0.390m
4)	2-Methyl Naphtha	4.91	4.91	160109	99596	0.384m	0.397m
5)	Acenaphthene	5.10	5.10	115000	41241	0.370m	0.376m
6)	Fluorene	5.28	5.28	448114	496683	0.384	0.388m
7)	Phenanthrene	5.81	5.81	391074	1320661	0.388	0.406
9)	Anthracene	6.43	6.43	28737	1387618	0.217m	0.189
10)	Fluoranthene	6.94	6.94	320060	312484	0.387	0.379m
11)	Pyrene	7.39	7.39	506544	295906	0.400	0.394m
13)	Benzo(a)Anthrace	8.71	8.71	439874	323025	0.195	0.193m
14)	Chrysene	9.10	9.10	566569	455811	0.201	0.195
15)	Benzo(b)Fluorant	9.94	9.93	217101	198383	0.194	0.198m
16)	Benzo(k)Fluorant	10.49	10.49	124010	286724	0.194m	0.196
17)	Benzo(a) Pyrene	10.98	10.98	237541	196677	0.197	0.199m
18)	Dibenzo(a,h)anth	11.85	11.85	185998	470781	0.207m	0.204
19)	Benzo(g,h,i) Per	12.29	12.29	126899	205442	0.198m	0.201m
20)	Indeno(1,2,3-cd)	12.92	12.92	96487	133800	0.191m	0.196m

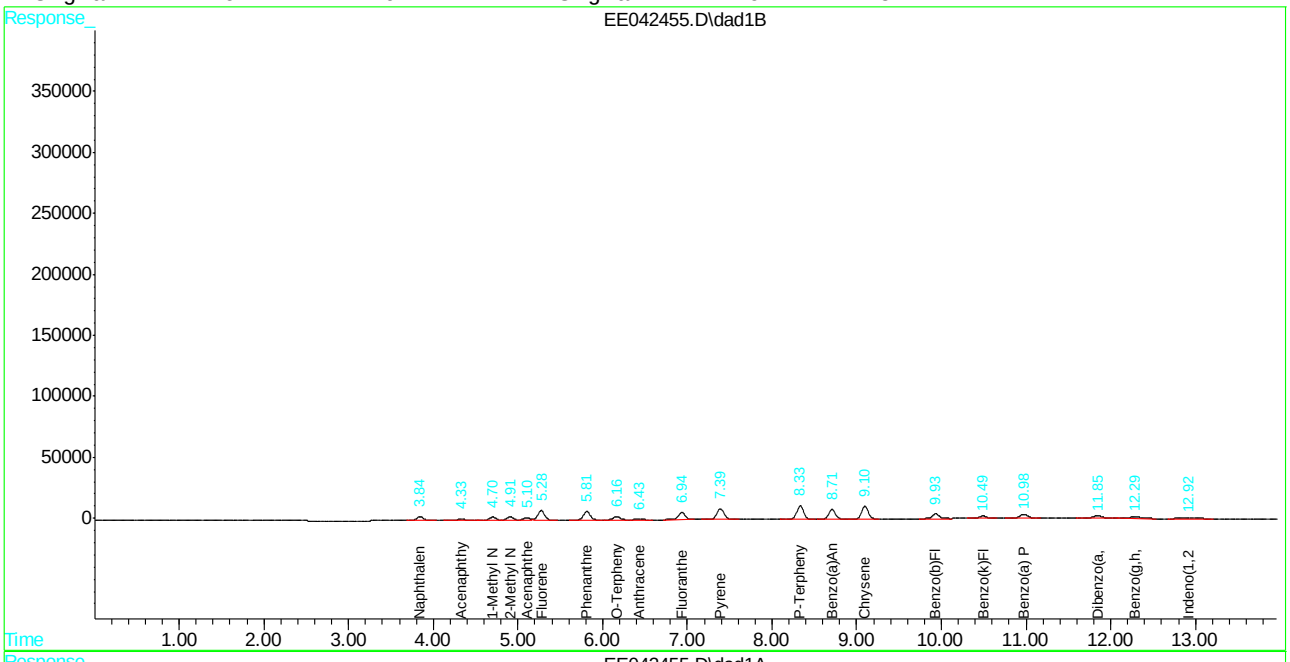
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE042455.D 8310_32.M Tue Sep 05 13:34:30 2006

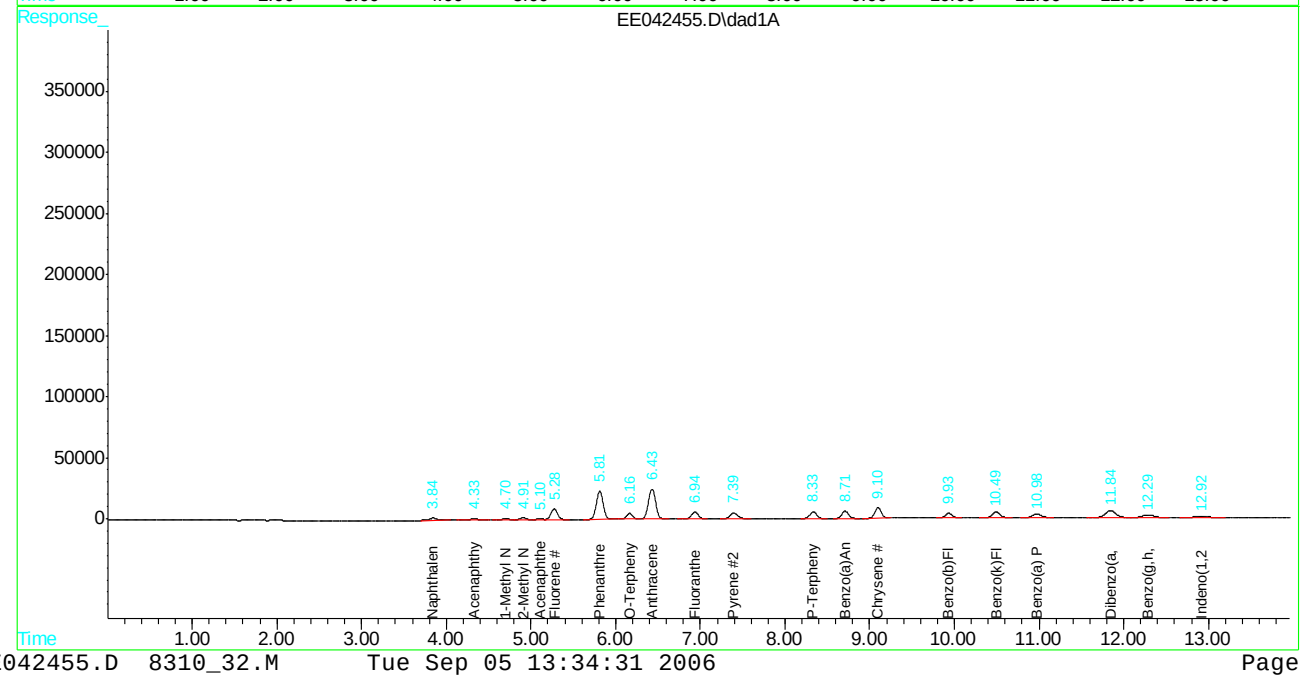
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042455.D\dad1B.ch Vial: 3
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042455.D\dad1A.ch
Acq On : 01-Sep-2006, 11:47:59 Operator: MIKEE
Sample : IC1620-0.4 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 14:20 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Manual Integrations APPROVED (compounds with "m" flag)
Stephanie Weber
09/05/06 15:03

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042456.D\dad1B.ch Vial: 4
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042456.D\dad1A.ch
Acq On : 01-Sep-2006, 12:07:07 Operator: MIKEE
Sample : IC1620-2.0 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 15:28 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.17	6.17	714803	1211702	1.912	1.927
	Spiked Amount 20.000 Range 36 - 114 Recovery =					9.56%#	9.63%#
12) S	P-Terphenyl	8.33	8.33	2793768	1391221	2.031	2.031
	Spiked Amount 20.000 Range 31 - 121 Recovery =					10.15%#	10.15%#
	Target Compounds						
1)	Naphthalene	3.84	3.84	972457	578284	1.933	1.930
2)	Acenaphthylene	4.33	4.33	385966	396038	1.938m	1.990m
3)	1-Methyl Naphtha	4.70	4.70	793380	339841	1.941	1.905m
4)	2-Methyl Naphtha	4.91	4.91	804917	490776	1.933	1.955
5)	Acenaphthene	5.11	5.10	595589	213853	1.917	1.949m
6)	Fluorene	5.28	5.28	2254459	2497824	1.931	1.950
7)	Phenanthrene	5.81	5.81	1966845	6635457	1.949	2.042
9)	Anthracene	6.43	6.43	140642	6973192	1.061m	0.956
10)	Fluoranthene	6.94	6.94	1603650	1565486	1.941	1.901
11)	Pyrene	7.39	7.40	2545076	1458508	2.009	1.942
13)	Benzo(a)Anthrace	8.71	8.71	2229043	1638218	0.989	0.979
14)	Chrysene	9.10	9.10	2879538	2321841	1.021	0.995
15)	Benzo(b)Fluorant	9.94	9.94	1097244	993492	0.979	0.991
16)	Benzo(k)Fluorant	10.49	10.49	624695	1451185	0.978	0.992
17)	Benzo(a) Pyrene	10.98	10.98	1184172	978932	0.984	0.989
18)	Dibenzo(a,h)anth	11.85	11.85	898285	2330803	0.998	1.010
19)	Benzo(g,h,i) Per	12.29	12.29	632615	1016729	0.986	0.993
20)	Indeno(1,2,3-cd)	12.92	12.92	493556	674309	0.979	0.989

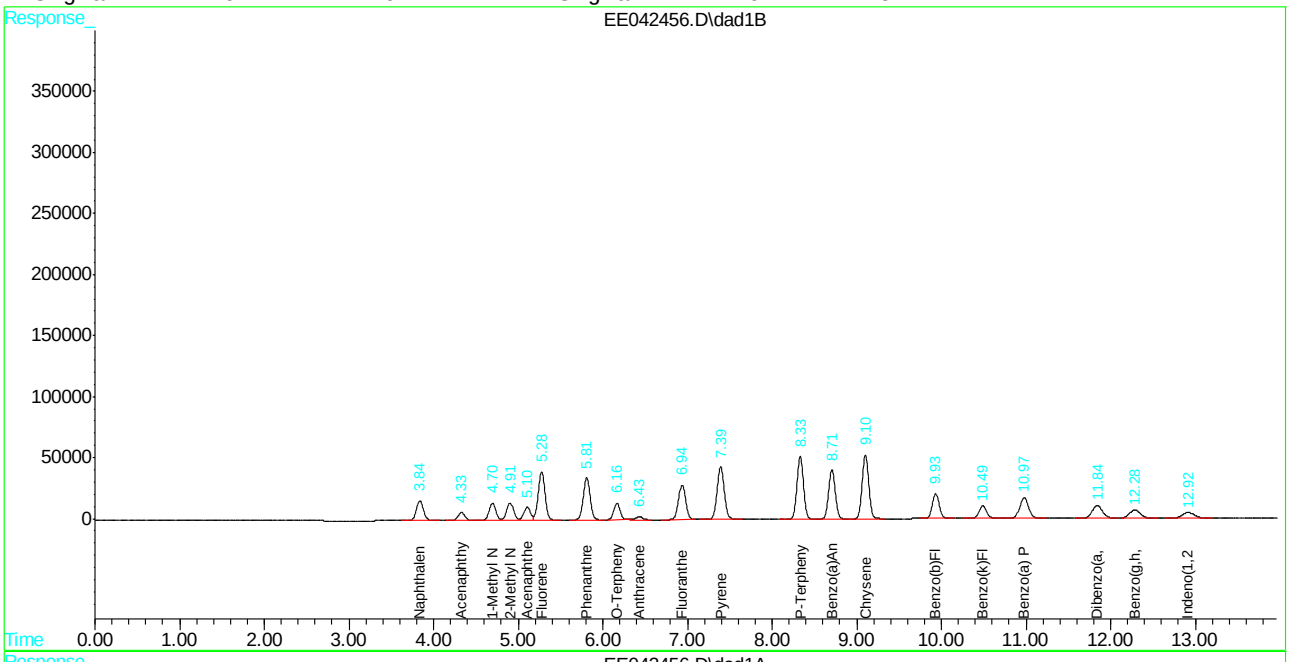
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE042456.D 8310_32.M Tue Sep 05 13:34:34 2006

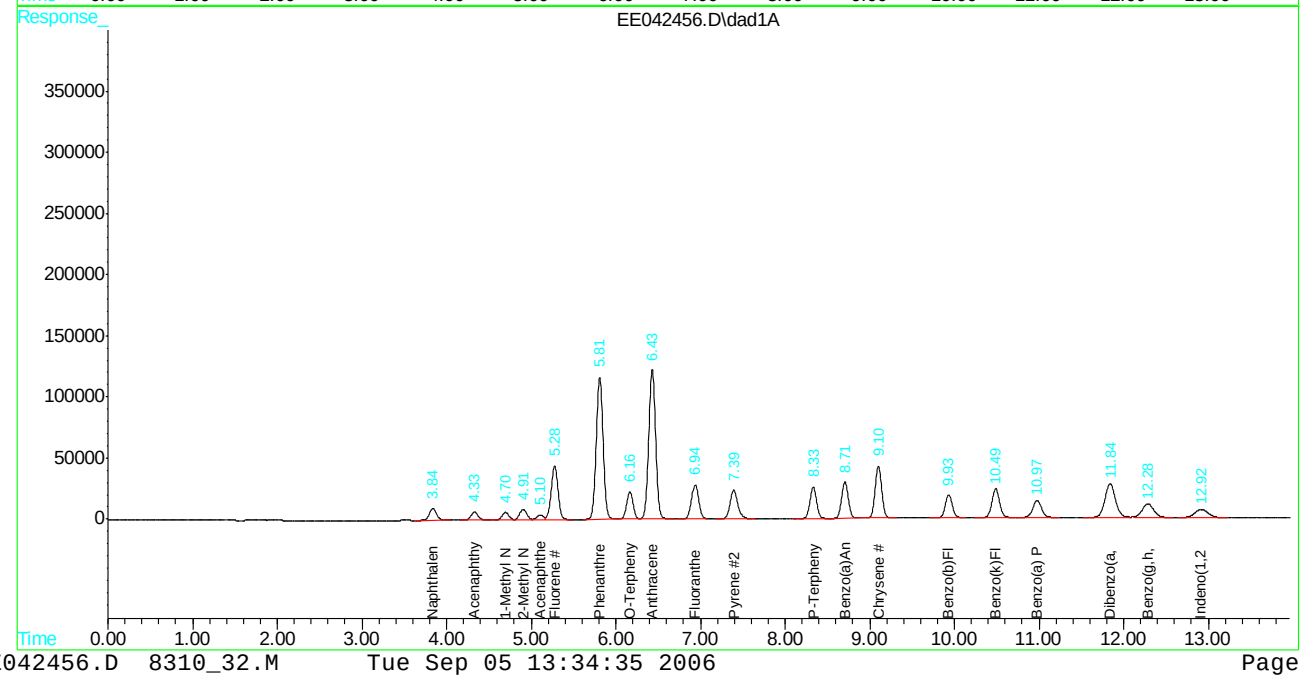
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042456.D\dad1B.ch Vial: 4
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042456.D\dad1A.ch
Acq On : 01-Sep-2006, 12:07:07 Operator: MIKEE
Sample : IC1620-2.0 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 15:28 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Manual Integrations APPROVED (compounds with "m" flag)
Stephanie Weber
09/05/06 15:03

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042457.D\dad1B.ch Vial: 5
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042457.D\dad1A.ch
Acq On : 01-Sep-2006, 12:26:17 Operator: MIKEE
Sample : IC1620-10 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 15:29 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.17	6.17	3750162	6165717	10.033	9.803
	Spiked Amount 20.000 Range 36 - 114 Recovery =					50.16%	49.02%
12) S	P-Terphenyl	8.33	8.33	14132570	7037265	10.272	10.271
	Spiked Amount 20.000 Range 31 - 121 Recovery =					51.36%	51.36%
	Target Compounds						
1)	Naphthalene	3.84	3.84	5007370	3013995	9.955	10.060
2)	Acenaphthylene	4.33	4.33	1975535	2000945	9.918m	10.053
3)	1-Methyl Naphtha	4.70	4.70	4081810	1786613	9.985	10.016
4)	2-Methyl Naphtha	4.91	4.91	4141260	2514606	9.943	10.017
5)	Acenaphthene	5.11	5.11	3061401	1066008	9.853	9.715
6)	Fluorene	5.28	5.28	11581482	12803839	9.922	9.996
7)	Phenanthrene	5.81	5.81	10081066	33774807	9.990	10.396
9)	Anthracene	6.43	6.43	683553	34882682	5.157	4.944
10)	Fluoranthene	6.94	6.94	8407833	8173044	10.174	9.925
11)	Pyrene	7.39	7.39	13155160	7590192	10.384	10.108
13)	Benzo(a)Anthrace	8.71	8.71	11456158	8431212	5.082	5.041
14)	Chrysene	9.10	9.10	14698339	11931871	5.212	5.112
15)	Benzo(b)Fluorant	9.93	9.93	5619129	5078487	5.015	5.064
16)	Benzo(k)Fluorant	10.49	10.49	3330176	7452375	5.213	5.092
17)	Benzo(a) Pyrene	10.97	10.97	6140270	5016372	5.103	5.066
18)	Dibenzo(a,h)anth	11.84	11.84	4594985	11879600	5.106	5.148
19)	Benzo(g,h,i) Per	12.28	12.28	3257013	5220244	5.076	5.097
20)	Indeno(1,2,3-cd)	12.91	12.91	2547593	3463663	5.055	5.082

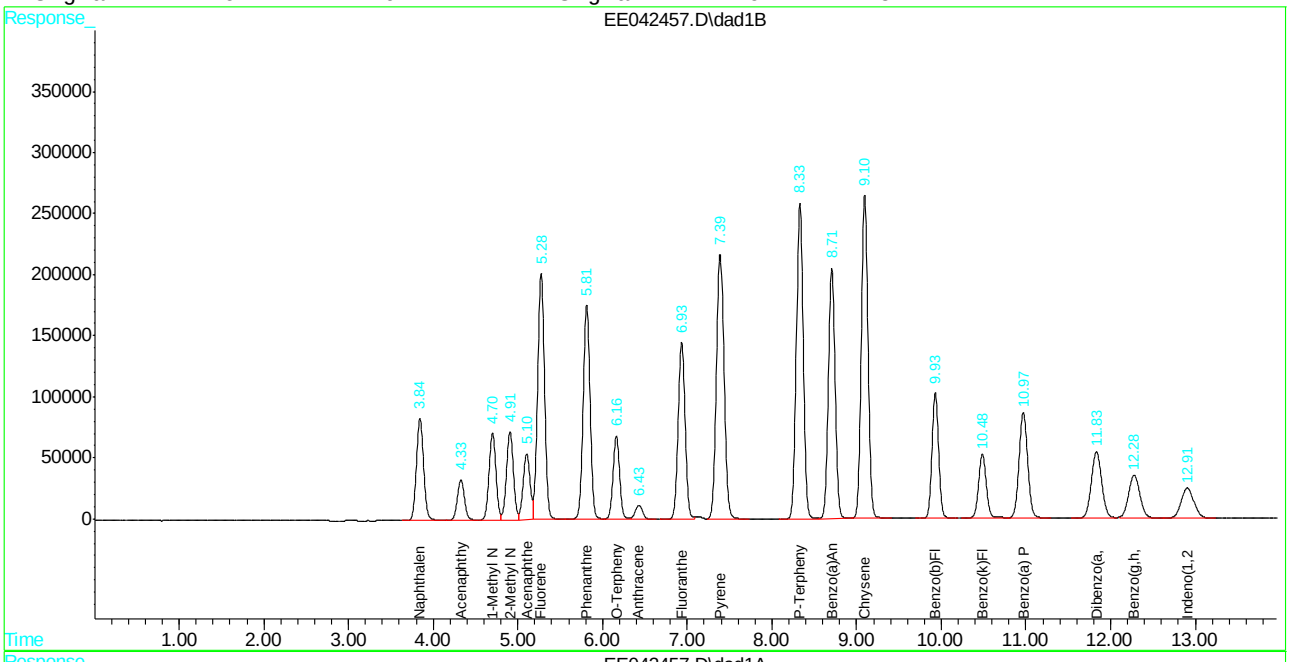
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE042457.D 8310_32.M Tue Sep 05 13:34:39 2006

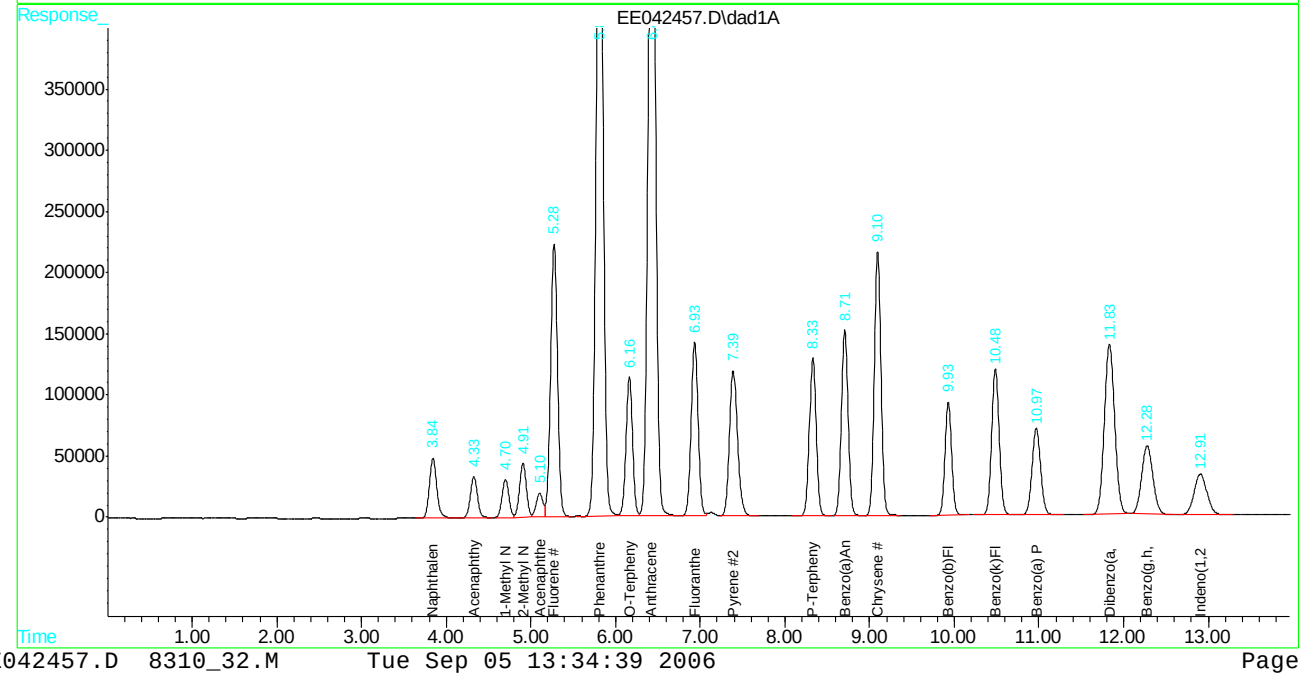
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042457.D\dad1B.ch Vial: 5
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042457.D\dad1A.ch
Acq On : 01-Sep-2006, 12:26:17 Operator: MIKEE
Sample : IC1620-10 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 15:29 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042458.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042458.D\dad1A.ch
Acq On : 01-Sep-2006, 12:45:25 Operator: MIKEE
Sample : ICC1620-20 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 13:58 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.17	6.17	7578412	12592116	20.276	20.021
	Spiked Amount 20.000 Range 36 - 114 Recovery =					101.38%	100.11%
12) S	P-Terphenyl	8.33	8.33	28235486	14077229	20.522	20.546
	Spiked Amount 20.000 Range 31 - 121 Recovery =					102.61%	102.73%
	Target Compounds						
1)	Naphthalene	3.84	3.84	10059472	6013770	19.999	20.073
2)	Acenaphthylene	4.33	4.33	4004979	3996252	20.107	20.077
3)	1-Methyl Naphtha	4.70	4.70	8248647	3592572	20.179	20.141
4)	2-Methyl Naphtha	4.91	4.91	8367309	5074178	20.089	20.213
5)	Acenaphthene	5.11	5.11	6201521	2168170	19.959	19.759
6)	Fluorene	5.28	5.28	23414925	25835066	20.060	20.170
7)	Phenanthrene	5.81	5.81	20338403	67552106	20.154	20.792
9)	Anthracene	6.43	6.43	1326725	67936697	10.010	10.067
10)	Fluoranthene	6.94	6.94	16828851	16623697	20.364	20.187
11)	Pyrene	7.39	7.39	26077571	15252703	20.583	20.313
13)	Benzo(a)Anthrace	8.71	8.71	22936445	16922047	10.175	10.117
14)	Chrysene	9.10	9.10	29223409	23895411	10.362	10.237
15)	Benzo(b)Fluorant	9.93	9.93	11253231	10154789	10.043	10.126
16)	Benzo(k)Fluorant	10.49	10.49	6670687	14944021	10.442	10.211
17)	Benzo(a) Pyrene	10.97	10.97	12280717	10032132	10.206	10.131
18)	Dibenzo(a,h)anth	11.83	11.83	9214121	23651338	10.238	10.249
19)	Benzo(g,h,i) Per	12.27	12.27	6533531	10468846	10.182	10.221
20)	Indeno(1,2,3-cd)	12.90	12.90	5109775	6948082	10.140	10.194

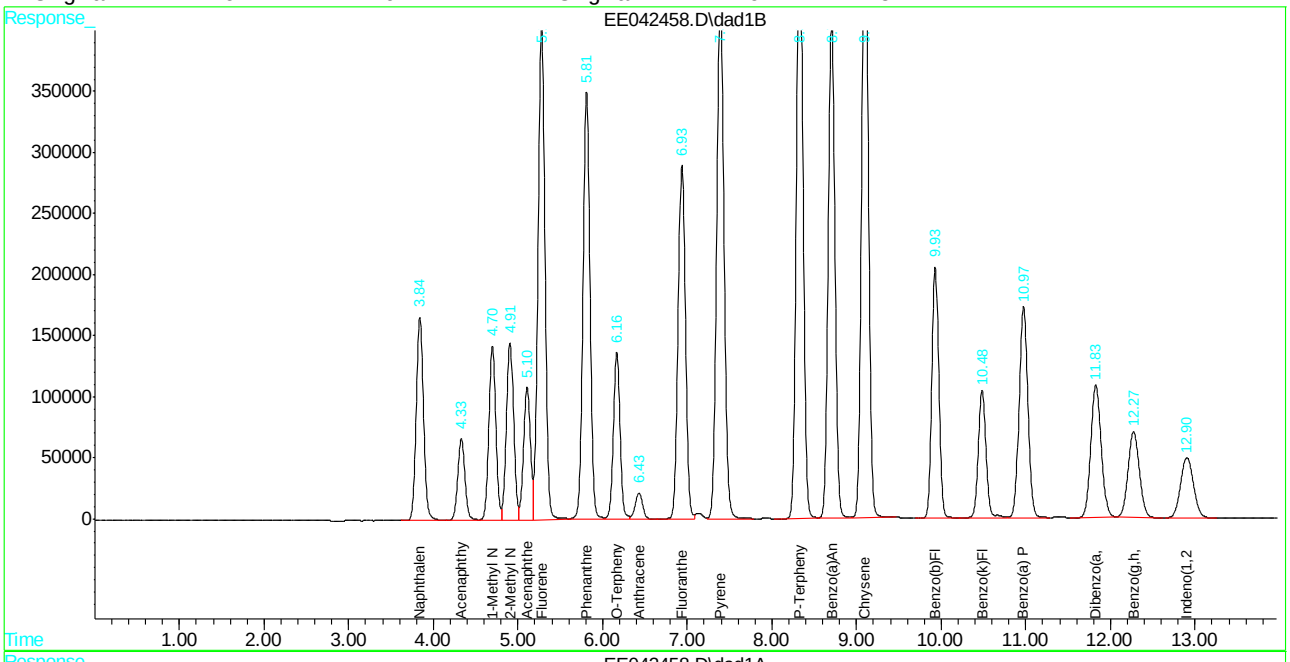
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE042458.D 8310_32.M Tue Sep 05 13:34:43 2006

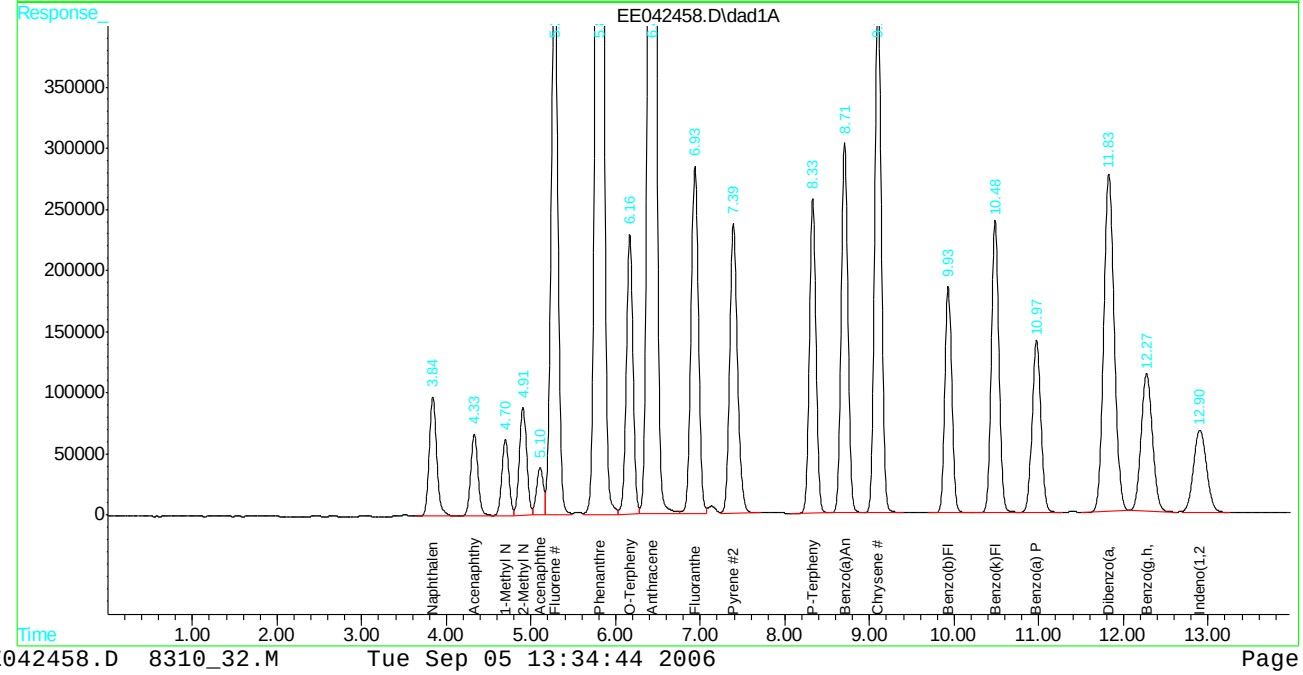
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042458.D\dad1B.ch Vial: 6
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042458.D\dad1A.ch
Acq On : 01-Sep-2006, 12:45:25 Operator: MIKEE
Sample : ICC1620-20 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 13:58 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042459.D\dad1B.ch Vial: 7
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042459.D\dad1A.ch
Acq On : 01-Sep-2006, 13:04:33 Operator: MIKEE
Sample : IC1620-40 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 14:21 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.17	6.17	15616370	25841136	41.781	41.086
Spiked Amount		20.000	Range	36 - 114	Recovery	= 208.90%#	205.43%#
12) S	P-Terphenyl	8.33	8.33	58025033	28888501	42.173	42.164
Spiked Amount		20.000	Range	31 - 121	Recovery	= 210.86%#	210.82%#
	Target Compounds						
1)	Naphthalene	3.84	3.84	20697795	12336264	41.148	41.176
2)	Acenaphthylene	4.33	4.33	8255685	8157220	41.448	40.982
3)	1-Methyl Naphtha	4.70	4.70	16984830	7349779	41.550	41.205
4)	2-Methyl Naphtha	4.91	4.91	17220035	10392524	41.344	41.399
5)	Acenaphthene	5.11	5.11	12761852	4390841	41.072	40.015
6)	Fluorene	5.28	5.28	48120875	53044816	41.225	41.414
7)	Phenanthrene	5.81	5.81	41672562	136.2E6	41.295	41.936
9)	Anthracene	6.43	6.43	2588041	127.4E6	19.527	20.874
10)	Fluoranthene	6.94	6.94	34546498	34134176	41.803	41.451
11)	Pyrene	7.39	7.39	52464353	31195325	41.411	41.544
13)	Benzo(a)Anthrace	8.71	8.71	47102342	34860718	20.895	20.842
14)	Chrysene	9.10	9.10	59035850	48951047	20.933	20.971
15)	Benzo(b)Fluorant	9.93	9.93	23124776	20815053	20.637	20.756
16)	Benzo(k)Fluorant	10.48	10.48	13709185	30718542	21.460	20.988
17)	Benzo(a) Pyrene	10.97	10.97	25250643	20512266	20.984	20.715
18)	Dibenzo(a,h)anth	11.82	11.82	19012148	48137451	21.125	20.860
19)	Benzo(g,h,i) Per	12.27	12.27	13471293	21494908	20.993	20.987
20)	Indeno(1,2,3-cd)	12.89	12.89	10522790	14320798	20.881	21.012

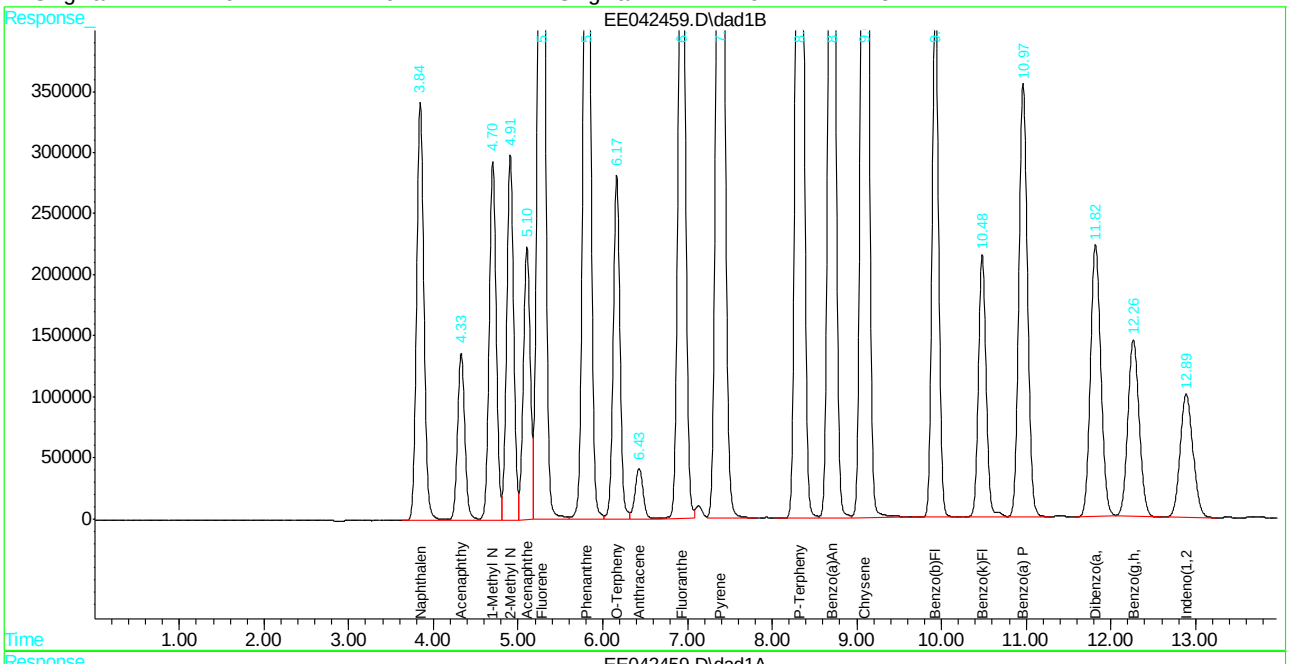
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE042459.D 8310_32.M Tue Sep 05 13:34:47 2006

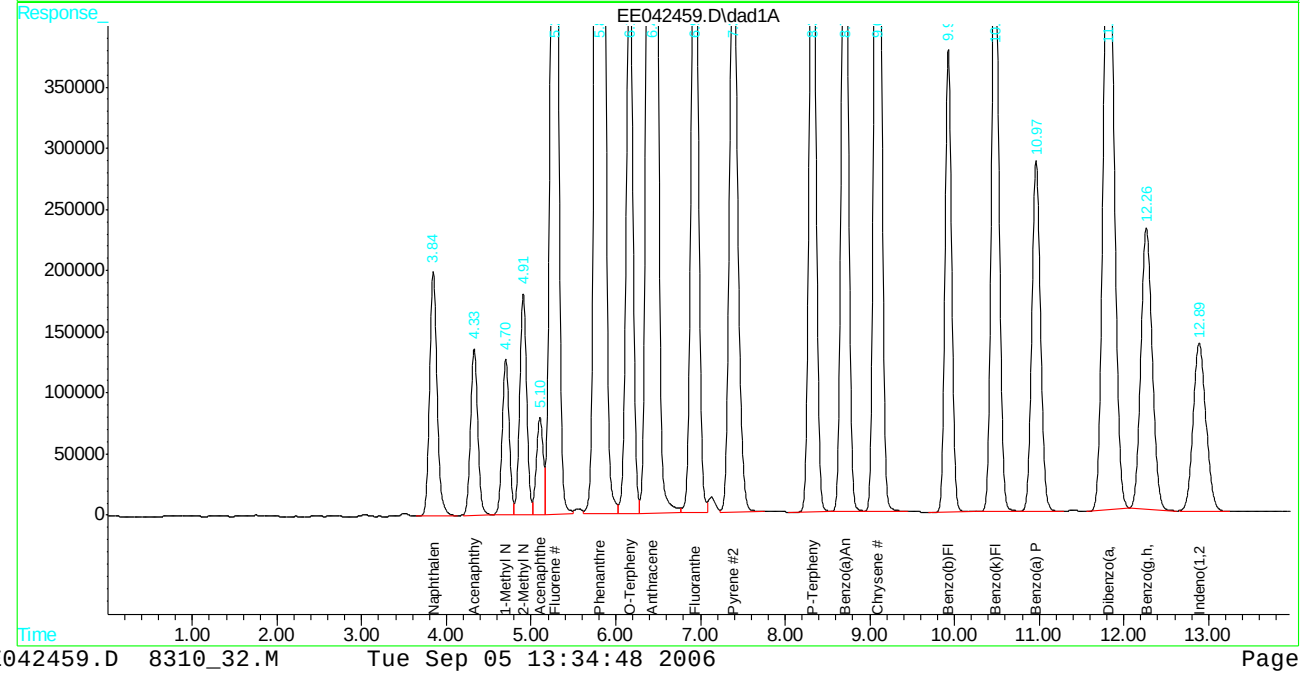
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042459.D\dad1B.ch Vial: 7
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042459.D\dad1A.ch
Acq On : 01-Sep-2006, 13:04:33 Operator: MIKEE
Sample : IC1620-40 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 14:21 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042460.D\dad1B.ch Vial: 8
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042460.D\dad1A.ch
Acq On : 01-Sep-2006, 13:23:42 Operator: MIKEE
Sample : IC1620-75 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 13:58 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.17	6.17	27118022	44869544	72.553	71.340
	Spiked Amount 20.000 Range 36 - 114 Recovery =					362.76%#	356.70%#
12) S	P-Terphenyl	8.32	8.32	100.1E6	49809662	72.722	72.700
	Spiked Amount 20.000 Range 31 - 121 Recovery =					363.61%#	363.50%#
	Target Compounds						
1)	Naphthalene	3.84	3.84	36534567	21675143	72.633	72.348
2)	Acenaphthylene	4.33	4.33	14592642	14417607	73.262	72.435
3)	1-Methyl Naphtha	4.70	4.70	30030069	12963170	73.463	72.675
4)	2-Methyl Naphtha	4.91	4.91	30442766	18341034	73.090	73.062
5)	Acenaphthene	5.11	5.11	22493943	7672860	72.394	69.924
6)	Fluorene	5.28	5.28	84573082	93155678	72.454	72.730
7)	Phenanthrene	5.81	5.81	72922421	228.5E6	72.261	70.337
9)	Anthracene	6.43	6.43	4327317	188.7E6	32.650	36.536
10)	Fluoranthene	6.93	6.93	60529114	59900819	73.244	72.742
11)	Pyrene	7.39	7.39	89413818	54510338	70.576	72.593
13)	Benzo(a)Anthrace	8.71	8.71	82496704	61369154	36.595	36.690
14)	Chrysene	9.10	9.10	100.6E6	85421932	35.677	36.596
15)	Benzo(b)Fluorant	9.93	9.93	40684602	36396251	36.308	36.294
16)	Benzo(k)Fluorant	10.48	10.48	24168638	54069093	37.833	36.943
17)	Benzo(a) Pyrene	10.96	10.96	44555884	35908394	37.028	36.263
18)	Dibenzo(a,h)anth	11.81	11.81	33502458	83191659	37.225	36.051
19)	Benzo(g,h,i) Per	12.26	12.26	23743823	37730064	37.002	36.838
20)	Indeno(1,2,3-cd)	12.89	12.89	18544579	25236751	36.800	37.028

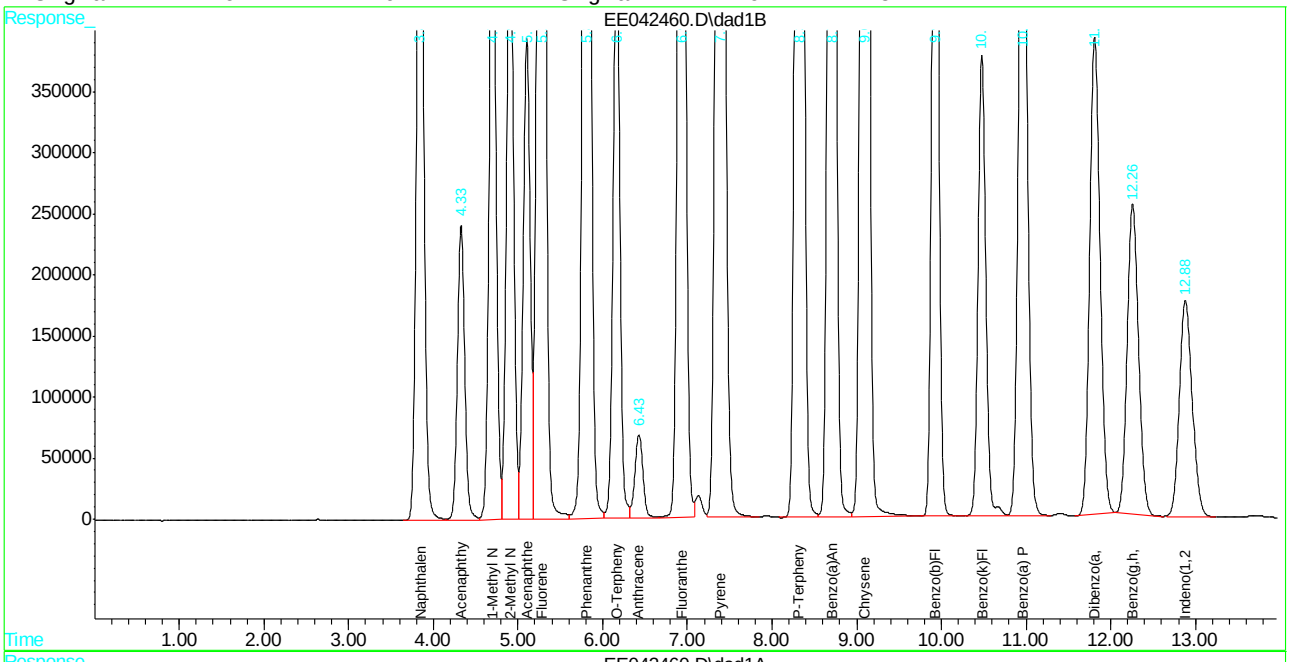
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE042460.D 8310_32.M Tue Sep 05 13:34:52 2006

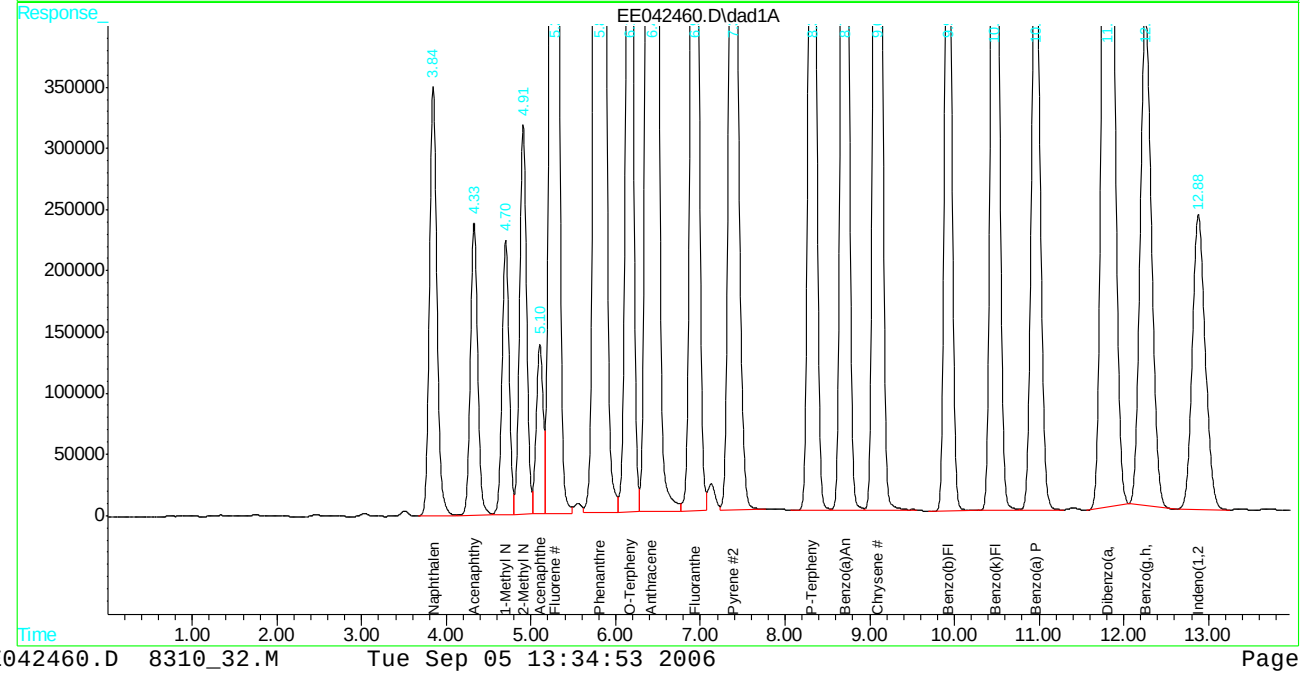
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042460.D\dad1B.ch Vial: 8
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042460.D\dad1A.ch
Acq On : 01-Sep-2006, 13:23:42 Operator: MIKEE
Sample : IC1620-75 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 13:58 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042461.D\dad1B.ch Vial: 9
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042461.D\dad1A.ch
Acq On : 01-Sep-2006, 13:42:53 Operator: MIKEE
Sample : IC1620-100 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 13:58 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.17	6.17	36127353	59738064	96.658	94.980
	Spiked Amount 20.000 Range 36 - 114 Recovery = 483.29%# 474.90%#						
12) S	P-Terphenyl	8.32	8.32	133.0E6	66195173	96.667	96.616
	Spiked Amount 20.000 Range 31 - 121 Recovery = 483.34%# 483.08%#						
	Target Compounds						
1)	Naphthalene	3.84	3.84	48691080	28871388	96.801	96.368
2)	Acenaphthylene	4.33	4.33	19465291	19188017	97.726	96.402
3)	1-Methyl Naphtha	4.70	4.70	39994454	17237996	97.839	96.641
4)	2-Methyl Naphtha	4.91	4.91	40589404	24429645	97.451	97.316
5)	Acenaphthene	5.11	5.11	29958266	10168914	96.417	92.672
6)	Fluorene	5.28	5.28	112.4E6	123.7E6	96.263	96.555
7)	Phenanthrene	5.81	5.81	96800835	288.4E6	95.923	88.770
9)	Anthracene	6.43	6.43	5610909	221.0E6	42.335	52.510
10)	Fluoranthene	6.93	6.93	80398813	79683659	97.287	96.765
11)	Pyrene	7.39	7.39	116.3E6	72340860	91.830	96.339
13)	Benzo(a)Anthrace	8.71	8.71	109.5E6	81875685	48.557	48.951
14)	Chrysene	9.10	9.10	130.4E6	113.4E6	46.248	48.585
15)	Benzo(b)Fluorant	9.93	9.93	54411295	48341575	48.558	48.205
16)	Benzo(k)Fluorant	10.48	10.48	32386282	72000502	50.697	49.194
17)	Benzo(a) Pyrene	10.97	10.97	59399870	47538534	49.364	48.008
18)	Dibenzo(a,h)anth	11.81	11.81	45128634	110.0E6	50.143	47.663
19)	Benzo(g,h,i) Per	12.26	12.26	31640120	50114918	49.308	48.930
20)	Indeno(1,2,3-cd)	12.88	12.88	24712421	33631500	49.039	49.345

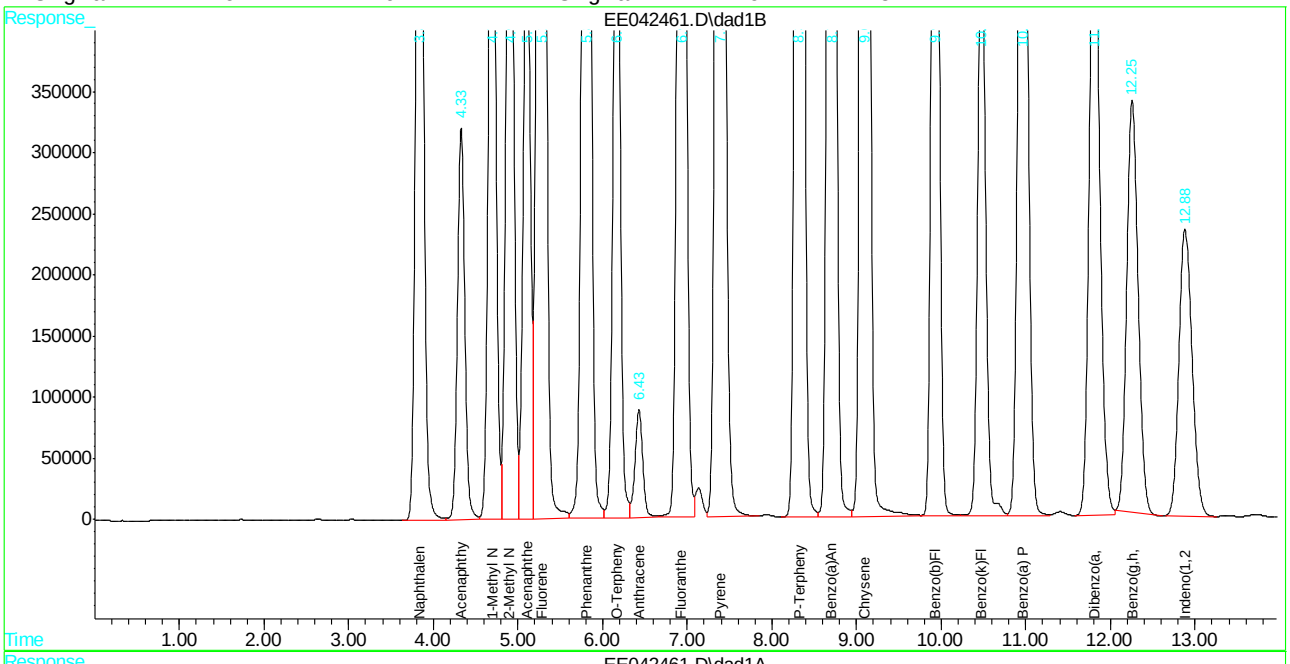
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE042461.D 8310_32.M Tue Sep 05 13:34:56 2006

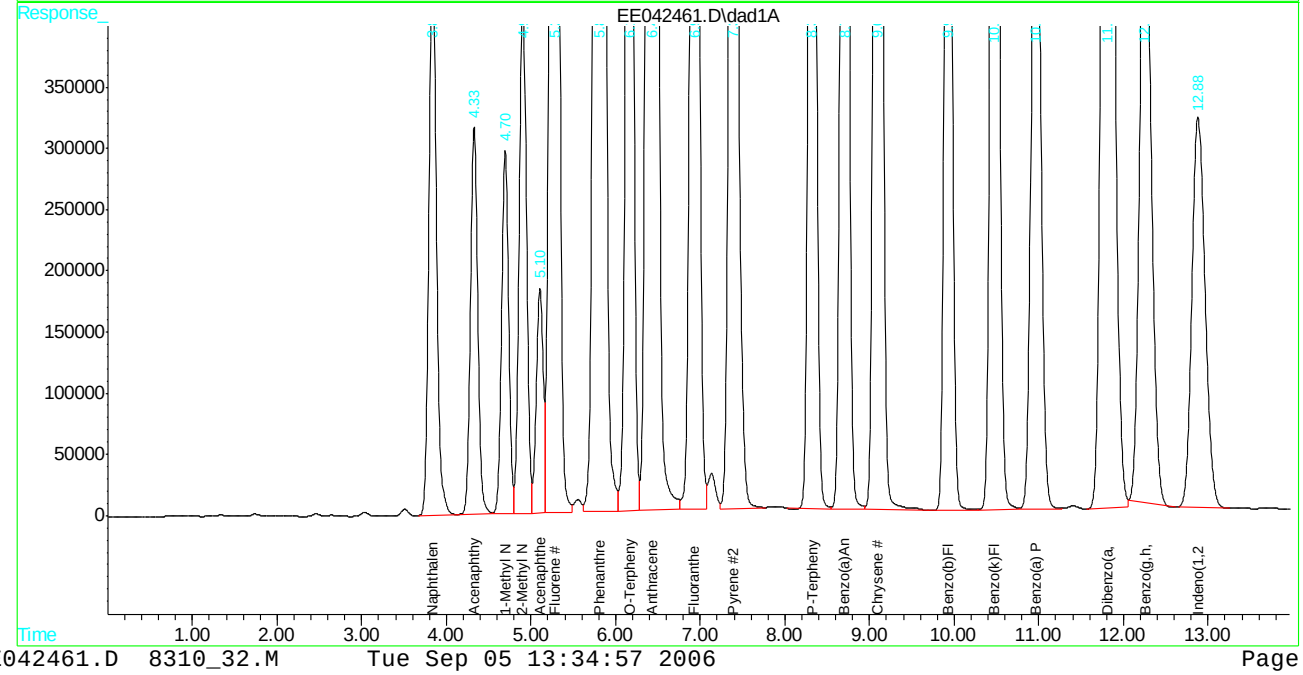
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042461.D\dad1B.ch Vial: 9
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042461.D\dad1A.ch
Acq On : 01-Sep-2006, 13:42:53 Operator: MIKEE
Sample : IC1620-100 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 1 13:58 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Fri Aug 11 10:01:28 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Manual Integrations
APPROVED
(compounds with "m" flag)
Stephanie Weber
09/05/06 15:03

Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042463.D\dad1B.ch Vial: 11
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042463.D\dad1A.ch
Acq On : 01-Sep-2006, 15:15:10 Operator: MIKEE
Sample : ICV1620-40 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 5 11:41 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Sep 05 11:40:47 2006
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	0.00	0.00	0	0	N.D.	N.D.
Spiked Amount		20.000	Range	36 - 114	Recovery	=	0.00%# 0.00%#
12) S	P-Terphenyl	0.00	0.00	0	0	N.D.	N.D.
Spiked Amount		20.000	Range	31 - 121	Recovery	=	0.00%# 0.00%#
	Target Compounds						
1)	Naphthalene	3.85	3.85	20591230	12095470	41.674	40.974
2)	Acenaphthylene	4.33	4.33	8736992	8957532	44.115m	45.208m
3)	1-Methyl Naphtha	4.70	4.70	17032705	7356680	42.109	41.827
4)	2-Methyl Naphtha	4.91	4.91	16803134	10166162	40.876	40.706
5)	Acenaphthene	5.11	5.11	12820562	4412141	42.331	41.804
6)	Fluorene	5.28	5.28	48348338	53591811	42.143	42.304
7)	Phenanthrene	5.81	5.81	41811671	137.8E6	42.002	42.470
9)	Anthracene	6.43	6.43	2560995	128.8E6	19.684	20.997
10)	Fluoranthene	6.94	6.94	34918377	34478483	42.444	42.631
11)	Pyrene	7.39	7.39	51943406	30476344	41.199	40.863
13)	Benzo(a)Anthrace	8.71	8.71	46507786	34499605	20.660	20.731
14)	Chrysene	9.10	9.10	58006720	48227640	20.489	20.622
15)	Benzo(b)Fluorant	9.93	9.93	23264656	20854074	20.983	20.870
16)	Benzo(k)Fluorant	10.49	10.49	13447661	30390430	20.664	20.679
17)	Benzo(a) Pyrene	10.97	10.97	25631116	20813185	21.191	21.106
18)	Dibenzo(a,h)anth	11.83	11.83	18963061	47947491	20.692	20.653
19)	Benzo(g,h,i) Per	12.28	12.28	13269917	21407247	20.590	20.761
20)	Indeno(1,2,3-cd)	12.91	12.91	10291462	14007988	20.516	20.460

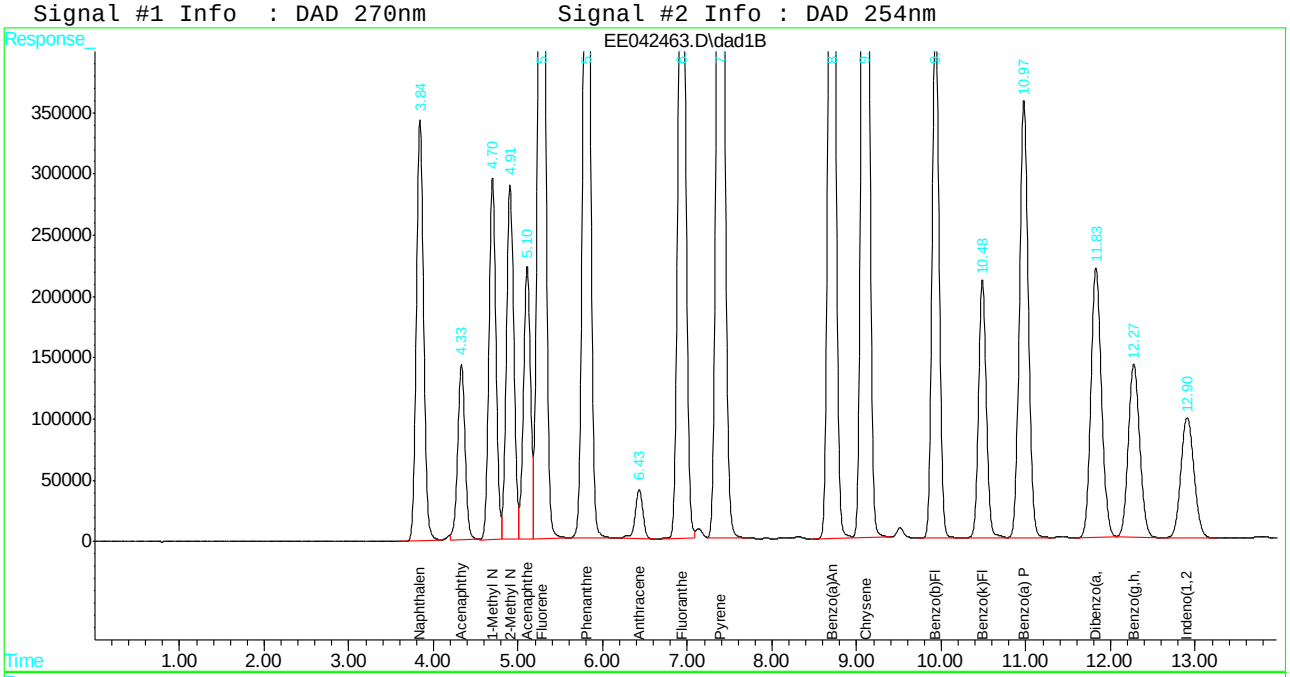
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE042463.D 8310_32.M Tue Sep 05 13:35:04 2006

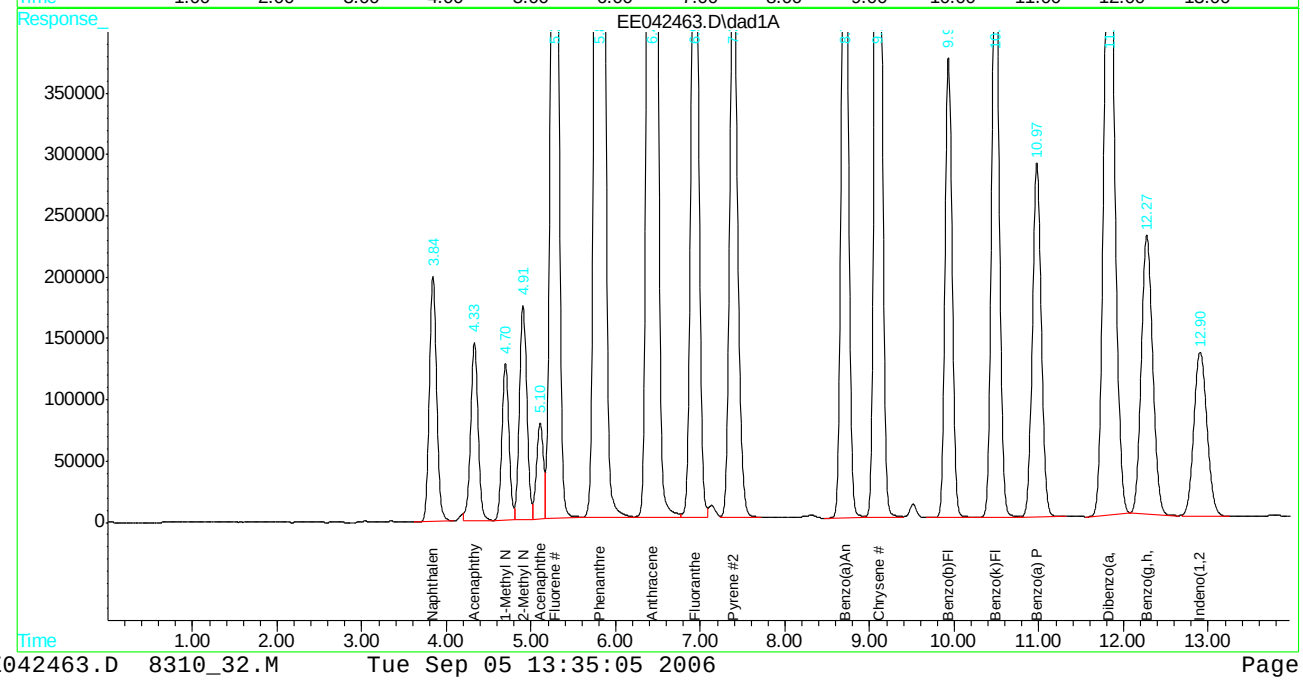
Quantitation Report (QT Reviewed)

Signal #1 : P:\HPCHEM\1\DATA\0901PAH\EE042463.D\dad1B.ch Vial: 11
Signal #2 : P:\HPCHEM\1\DATA\0901PAH\EE042463.D\dad1A.ch
Acq On : 01-Sep-2006, 15:15:10 Operator: MIKEE
Sample : ICV1620-40 Inst : G1315B
Misc : op17708,gee1620,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Sep 5 11:41 2006 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Sep 05 11:40:47 2006
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





EE042463.D 8310_32.M Tue Sep 05 13:35:05 2006 Page 2

Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046242.D\dad1B.ch Vial: 2
Signal #2 : P:\DATA\0219PAH\EE046242.D\dad1A.ch
Acq On : 19-Feb-2007, 12:53:43 Operator: MIKEE
Sample : CC1620-10 Inst : G1315B
Misc : op19520,gee1733,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:26 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.20	6.20	3635937	6007610	9.750	9.773
	Spiked Amount 20.000 Range 43 - 121 Recovery =					48.75%	48.86%
12) S	P-Terphenyl	8.35	8.35	13733346	6871679	9.773	9.785
	Spiked Amount 20.000 Range 30 - 122 Recovery =					48.86%	48.93%
	Target Compounds						
1)	Naphthalene	3.88	3.88	5152462	3112198	10.428	10.543
2)	Acenaphthylene	4.37	4.37	2024953	2052655	10.224	10.360
3)	1-Methyl Naphtha	4.74	4.74	4209209	1841458	10.406	10.470
4)	2-Methyl Naphtha	4.94	4.94	4252898	2583086	10.346	10.343
5)	Acenaphthene	5.14	5.14	3165963	1124181	10.453	10.651
6)	Fluorene	5.32	5.32	11845384	13114357	10.325	10.352
7)	Phenanthrene	5.85	5.85	10340196	34668462	10.387	10.685
9)	Anthracene	6.46	6.46	703389	35569013	5.406	5.009
10)	Fluoranthene	6.97	6.97	8609480	8383715	10.465	10.366
11)	Pyrene	7.42	7.42	13465511	7788297	10.680	10.443
13)	Benzo(a)Anthrace	8.72	8.72	11814268	8699152	5.248	5.227
14)	Chrysene	9.11	9.11	15140181	12294974	5.348	5.257
15)	Benzo(b)Fluorant	9.94	9.94	5793297	5241961	5.225	5.246
16)	Benzo(k)Fluorant	10.48	10.48	3411549	7687177	5.242	5.231
17)	Benzo(a) Pyrene	10.97	10.97	6274385	5151691	5.187	5.224
18)	Dibenzo(a,h)anth	11.82	11.82	4802604	12360467	5.240	5.324
19)	Benzo(g,h,i) Per	12.27	12.27	3406417	5505761	5.285	5.339
20)	Indeno(1,2,3-cd)	12.89	12.89	2620591	3558237	5.224	5.197

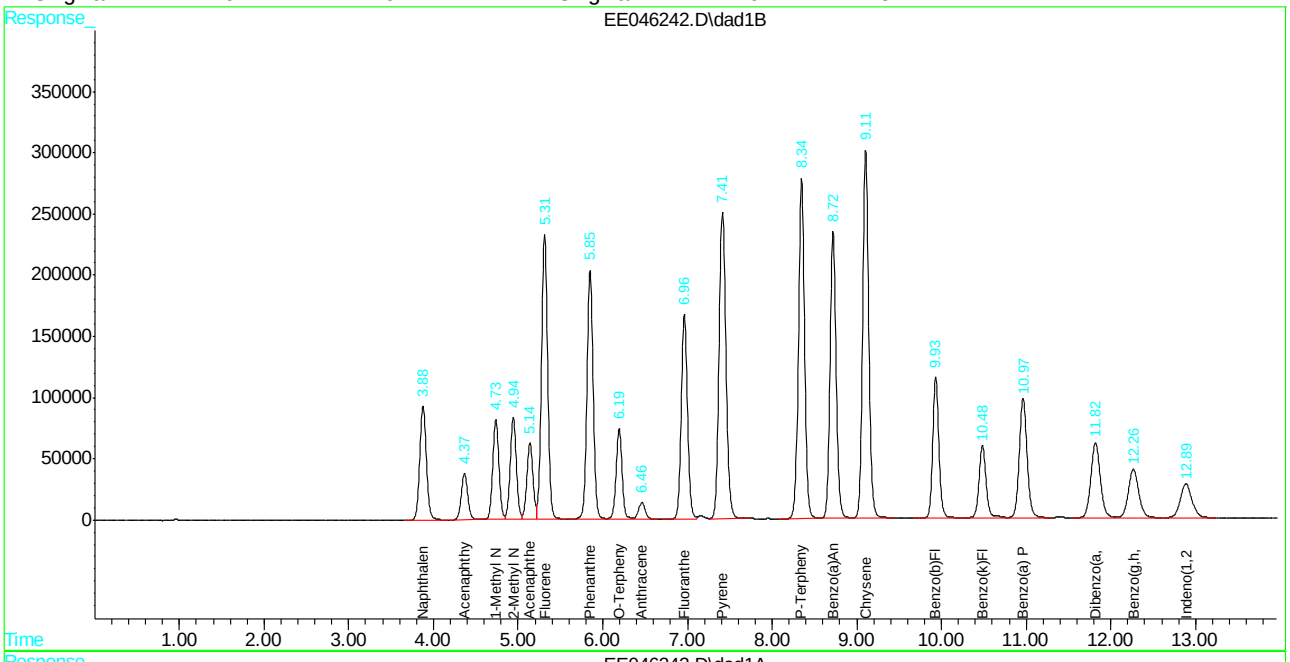
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046242.D 8310_32.M Tue Feb 20 15:58:59 2007

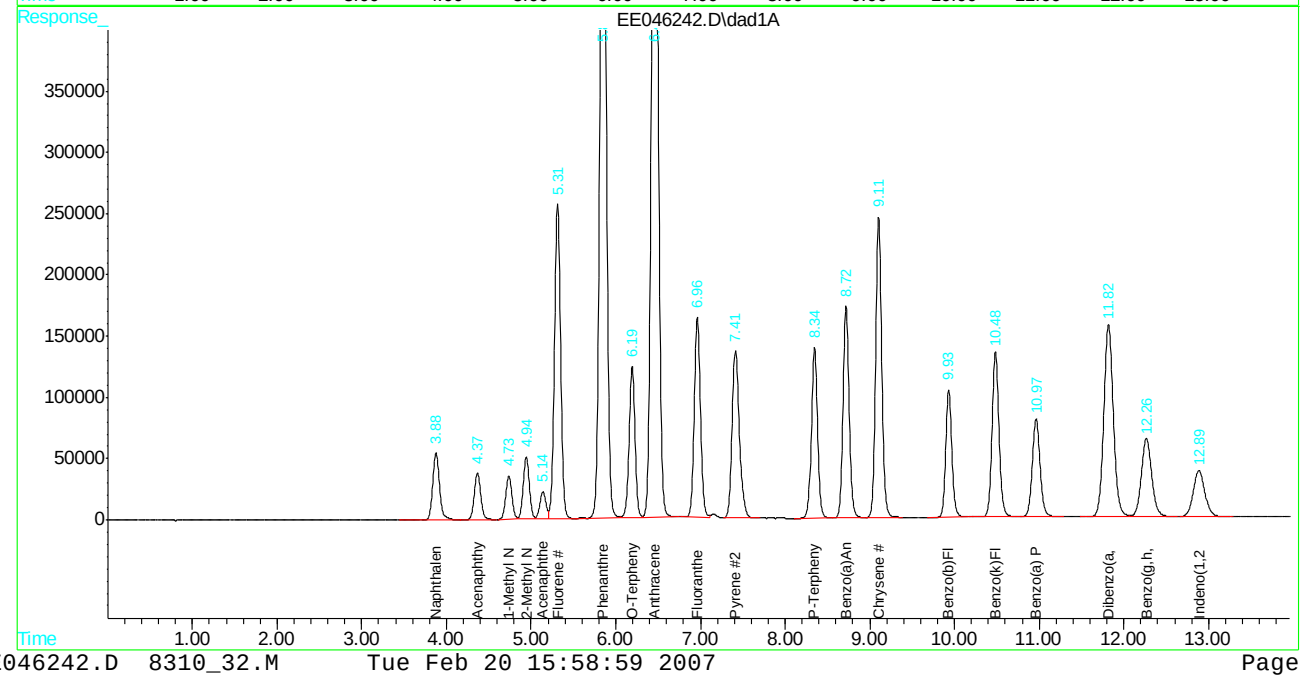
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046242.D\dad1B.ch Vial: 2
Signal #2 : P:\DATA\0219PAH\EE046242.D\dad1A.ch
Acq On : 19-Feb-2007, 12:53:43 Operator: MIKEE
Sample : CC1620-10 Inst : G1315B
Misc : op19520,gee1733,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:26 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046253.D\dad1B.ch Vial: 3
Signal #2 : P:\DATA\0219PAH\EE046253.D\dad1A.ch
Acq On : 19-Feb-2007, 16:24:38 Operator: MIKEE
Sample : CC1620-20 Inst : G1315B
Misc : op19508,gee1733,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.19	6.19	7148758	11834699	19.171	19.252
	Spiked Amount 20.000 Range 43 - 121 Recovery =					95.86%	96.26%
12) S	P-Terphenyl	8.34	8.34	27042948	13525259	19.244	19.260
	Spiked Amount 20.000 Range 30 - 122 Recovery =					96.22%	96.30%
	Target Compounds						
1)	Naphthalene	3.87	3.87	10135345	6055414	20.513	20.513
2)	Acenaphthylene	4.36	4.36	3993475	4025375	20.164	20.316
3)	1-Methyl Naphtha	4.73	4.73	8261269	3591182	20.424	20.418
4)	2-Methyl Naphtha	4.94	4.94	8350623	5047314	20.314	20.210
5)	Acenaphthene	5.14	5.14	6218961	2177575	20.534	20.632
6)	Fluorene	5.31	5.31	23222991	25723788	20.242	20.306
7)	Phenanthrene	5.85	5.85	20224047	67458624	20.316	20.791
9)	Anthracene	6.46	6.46	1300332	67233280	9.995	9.878
10)	Fluoranthene	6.96	6.96	16915366	16438430	20.561	20.326
11)	Pyrene	7.41	7.41	26236916	15238220	20.810	20.431
13)	Benzo(a)Anthrace	8.72	8.72	23233844	17145480	10.321	10.303
14)	Chrysene	9.11	9.11	29533527	24180582	10.432	10.340
15)	Benzo(b)Fluorant	9.94	9.94	11379429	10284752	10.263	10.292
16)	Benzo(k)Fluorant	10.49	10.49	6719497	15113479	10.325	10.284
17)	Benzo(a) Pyrene	10.97	10.97	12257253	10035029	10.134	10.176
18)	Dibenzo(a,h)anth	11.83	11.83	9429379	24165326	10.289	10.409
19)	Benzo(g,h,i) Per	12.27	12.28	6737187	10899166	10.454	10.570
20)	Indeno(1,2,3-cd)	12.90	12.90	5171035	7055091	10.309	10.305

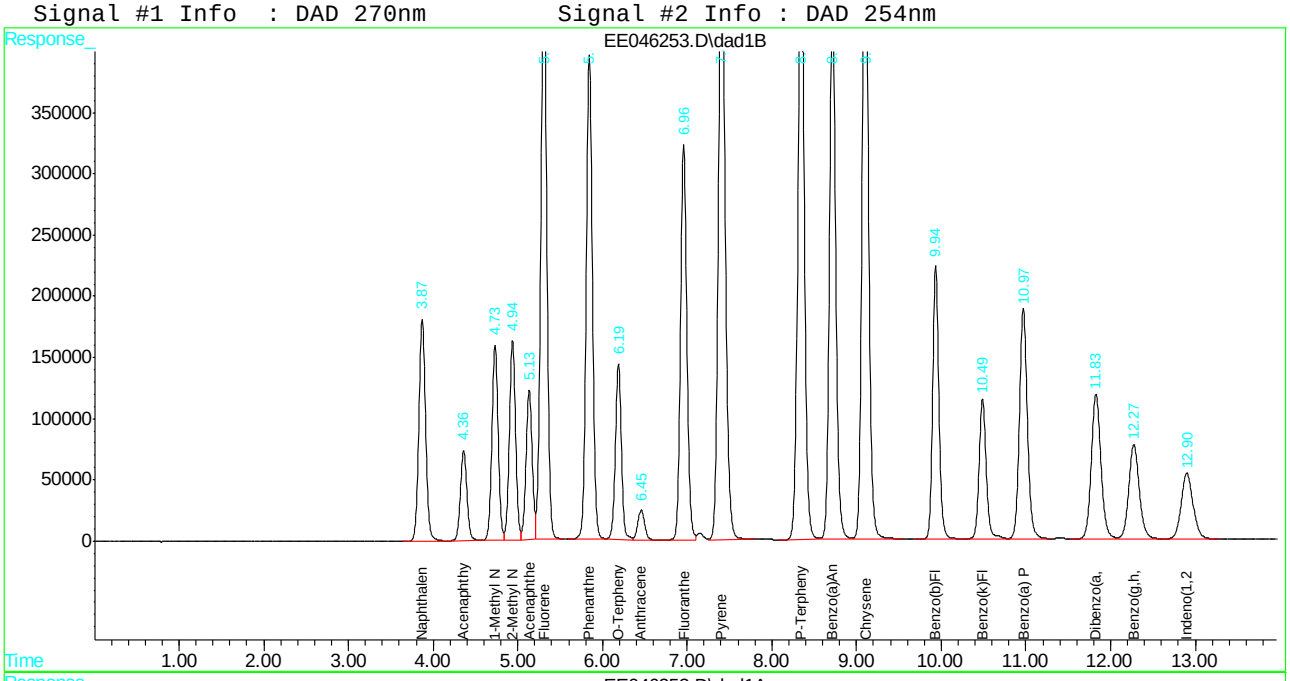
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046253.D 8310_32.M Tue Feb 20 15:59:24 2007

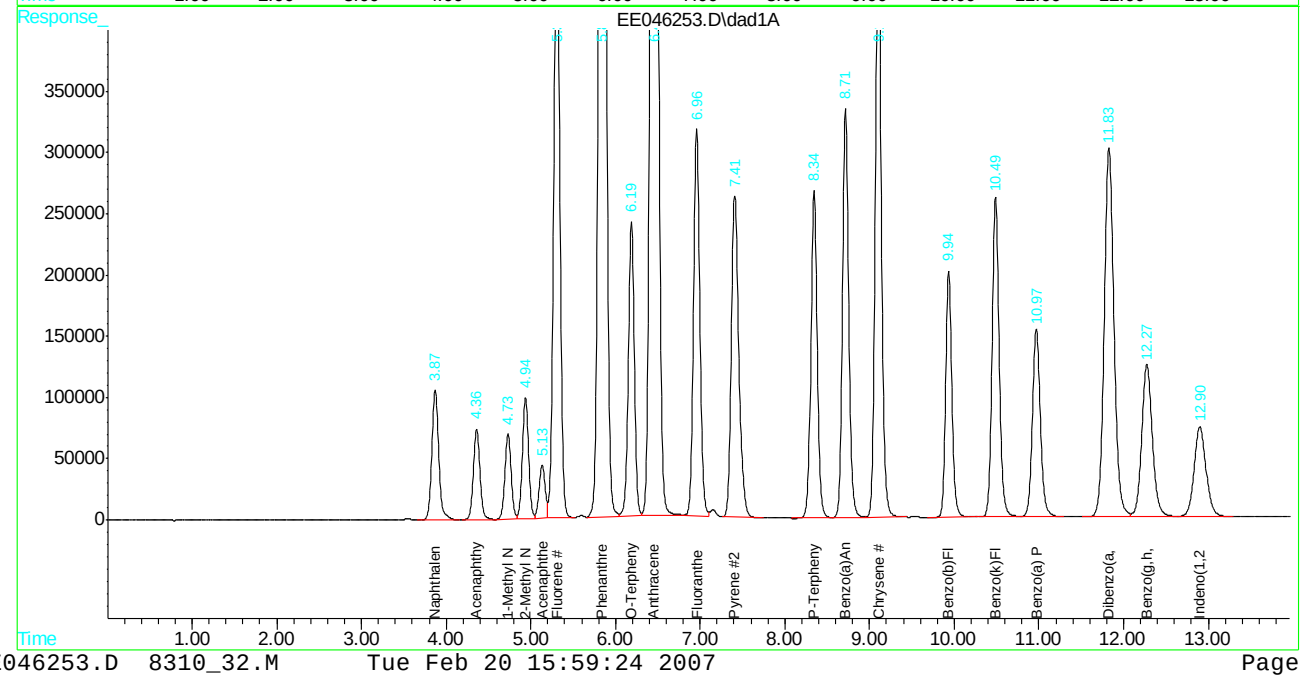
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046253.D\dad1B.ch Vial: 3
Signal #2 : P:\DATA\0219PAH\EE046253.D\dad1A.ch
Acq On : 19-Feb-2007, 16:24:38 Operator: MIKEE
Sample : CC1620-20 Inst : G1315B
Misc : op19508,gee1733,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:27 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046265.D\dad1B.ch Vial: 3
Signal #2 : P:\DATA\0219PAH\EE046265.D\dad1A.ch
Acq On : 19-Feb-2007, 20:14:51 Operator: MIKEE
Sample : CC1620-20 Inst : G1315B
Misc : op19508,gee1733,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:28 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Initial Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
	System Monitoring Compounds						
8) S	O-Terphenyl	6.19	6.19	7156217	11810359	19.191	19.212
	Spiked Amount 20.000 Range 43 - 121 Recovery =					95.95%	96.06%
12) S	P-Terphenyl	8.35	8.35	26987445	13501305	19.204	19.226
	Spiked Amount 20.000 Range 30 - 122 Recovery =					96.02%	96.13%
	Target Compounds						
1)	Naphthalene	3.87	3.87	10146758	6065628	20.536	20.548
2)	Acenaphthylene	4.36	4.36	3990344	4024250	20.148	20.310
3)	1-Methyl Naphtha	4.73	4.73	8281749	3599231	20.474	20.464
4)	2-Methyl Naphtha	4.94	4.94	8371867	5051904	20.366	20.228
5)	Acenaphthene	5.14	5.14	6242560	2182174	20.612	20.676
6)	Fluorene	5.31	5.31	23323239	25750857	20.330	20.327
7)	Phenanthrene	5.85	5.85	20281232	67471887	20.374	20.796
9)	Anthracene	6.46	6.46	1308170	67158940	10.055	9.866
10)	Fluoranthene	6.96	6.96	16908671	16432233	20.553	20.318
11)	Pyrene	7.41	7.41	26220661	15241713	20.797	20.436
13)	Benzo(a)Anthrace	8.72	8.72	23194694	17119887	10.304	10.288
14)	Chrysene	9.11	9.11	29533872	24163248	10.432	10.332
15)	Benzo(b)Fluorant	9.94	9.94	11381469	10272998	10.265	10.281
16)	Benzo(k)Fluorant	10.49	10.49	6712397	15090630	10.314	10.268
17)	Benzo(a) Pyrene	10.97	10.97	12207790	9988794	10.093	10.130
18)	Dibenzo(a,h)anth	11.83	11.83	9425043	24144671	10.284	10.400
19)	Benzo(g,h,i) Per	12.27	12.27	6733141	10886994	10.447	10.558
20)	Indeno(1,2,3-cd)	12.90	12.90	5166526	7038849	10.300	10.281

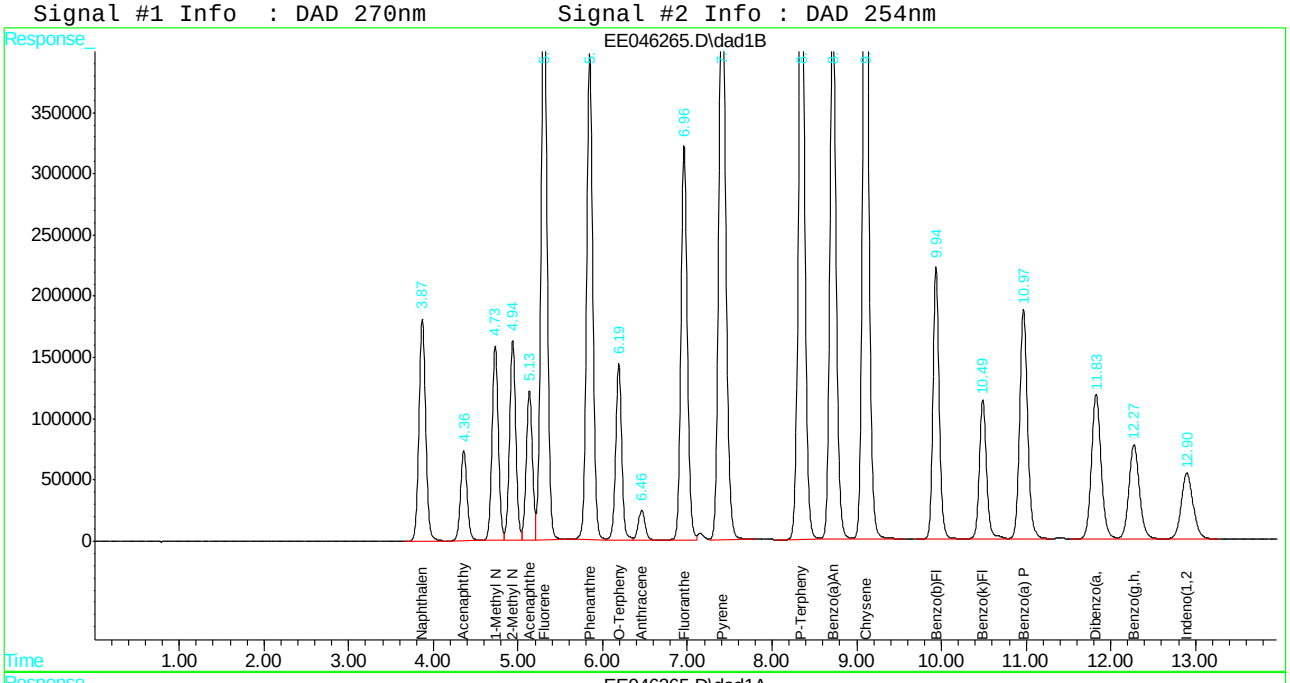
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
EE046265.D 8310_32.M Tue Feb 20 15:59:49 2007

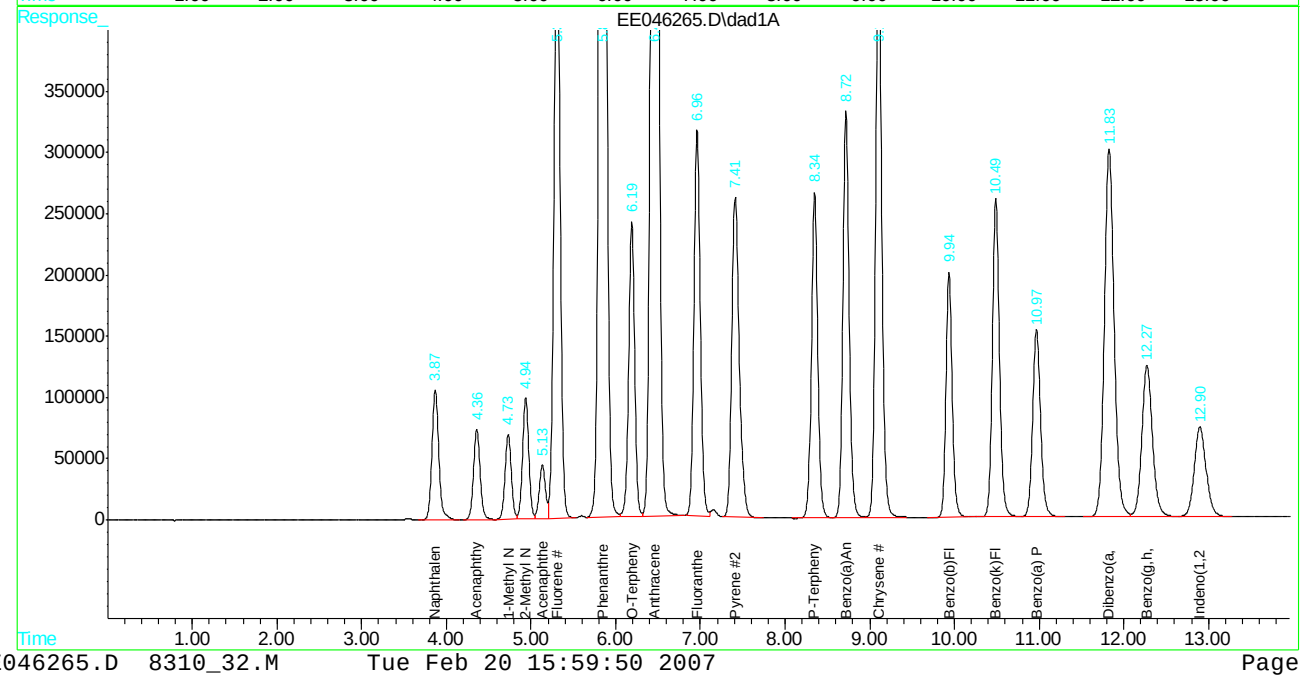
Quantitation Report (QT Reviewed)

Signal #1 : P:\DATA\0219PAH\EE046265.D\dad1B.ch Vial: 3
Signal #2 : P:\DATA\0219PAH\EE046265.D\dad1A.ch
Acq On : 19-Feb-2007, 20:14:51 Operator: MIKEE
Sample : CC1620-20 Inst : G1315B
Misc : op19508,gee1733,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Feb 20 8:28 2007 Quant Results File: 8310_32.RES

Quant Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Tue Feb 20 08:23:08 2007
Response via : Multiple Level Calibration
DataAcq Meth : 8310_32R.M

Volume Inj. : 10ul
Signal #1 Phase : Pinnacle II PAH Signal #2 Phase: Pinnacle II PAH
Signal #1 Info : DAD 270nm Signal #2 Info : DAD 254nm





Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36042.D          Vial: 2
Acq On    :  8 Jan 2007   9:34 am                    Operator: adamc
Sample    : ic1527-255                               Inst    : FID 1
Misc      : op19060,gij1527,30.4,,,1,1,soil          Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan  8 12:25 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Mon Jan 08 11:31:32 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.63	445160	16.941 PPM
Spiked Amount 50.000	Range 49 - 116	Recovery =	33.88%#
Target Compounds			
2) H TPH (C8-C40)	5.00	7286996	304.535 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

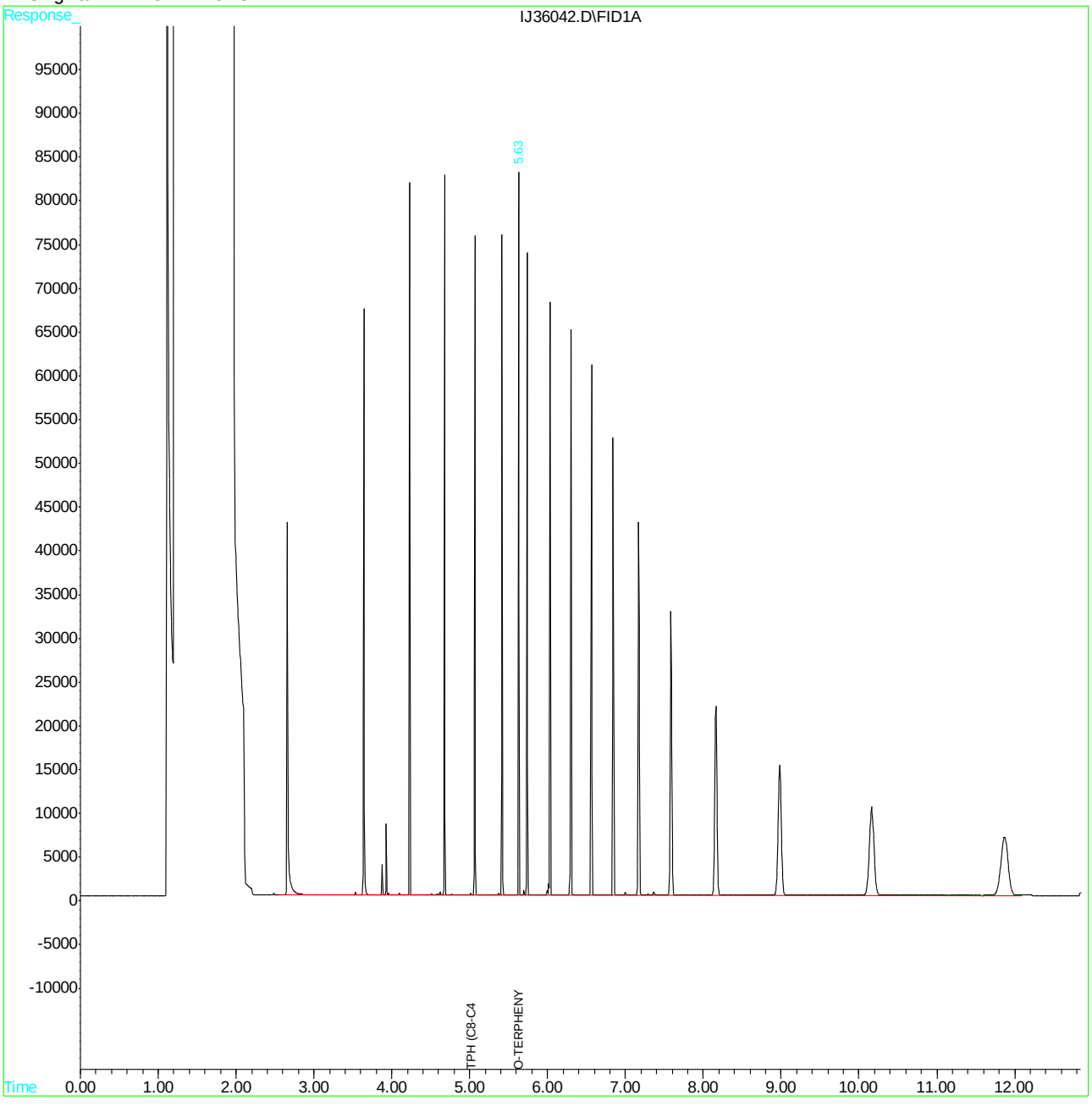
IJ36042.D FL_PRO_F.M Mon Jan 08 13:10:39 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36042.D Vial: 2
Acq On : 8 Jan 2007 9:34 am Operator: adamc
Sample : ic1527-255 Inst : FID 1
Misc : op19060,gij1527,30.4,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 8 12:25 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Jan 08 11:31:32 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36043.D          Vial: 3
Acq On    :  8 Jan 2007   9:55 am                    Operator: adamc
Sample    : ic1527-340                               Inst    : FID 1
Misc      : op19060,gij1527,30.4,,,1,1,soil          Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan  8 12:25 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Mon Jan 08 11:31:32 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.63	584983	22.262 PPM
Spiked Amount 50.000	Range 49 - 116	Recovery =	44.52%#
Target Compounds			
2) H TPH (C8-C40)	5.00	9489752	396.592 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

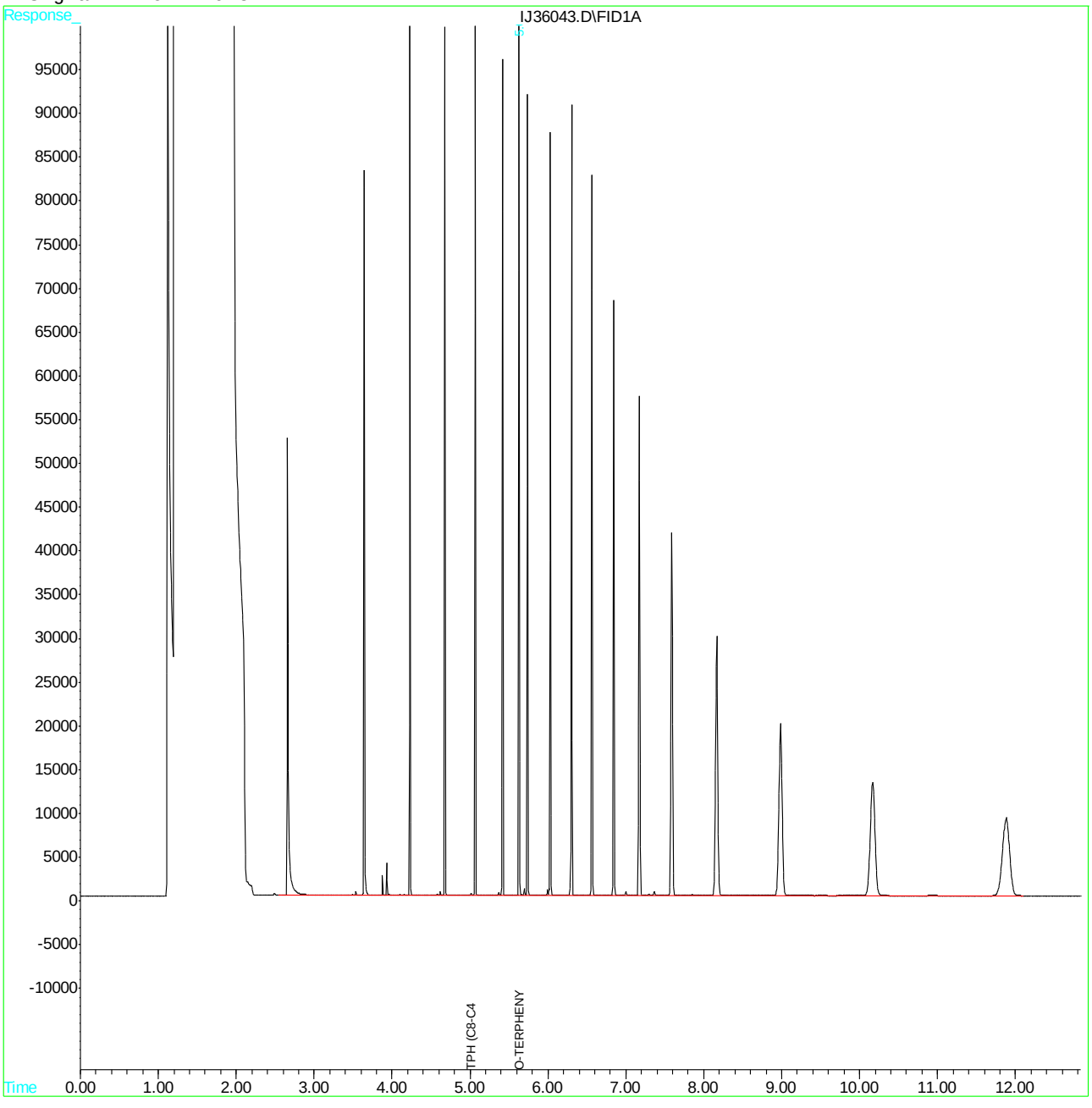
IJ36043.D FL_PRO_F.M Mon Jan 08 13:10:40 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36043.D Vial: 3
Acq On : 8 Jan 2007 9:55 am Operator: adamc
Sample : ic1527-340 Inst : FID 1
Misc : op19060,gij1527,30.4,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 8 12:25 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Jan 08 11:31:32 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36044.D          Vial: 4
Acq On    :  8 Jan 2007  10:16 am                    Operator: adamc
Sample    : ic1527-680                               Inst    : FID 1
Misc      : op19060,gij1527,30.4,,,1,1,soil          Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan  8 12:25 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Mon Jan 08 11:31:32 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.63	1175115	44.720 PPM
Spiked Amount 50.000 Range 49 - 116 Recovery = 89.44%			
Target Compounds			
2) H TPH (C8-C40)	5.00	18874729	788.804 PPM

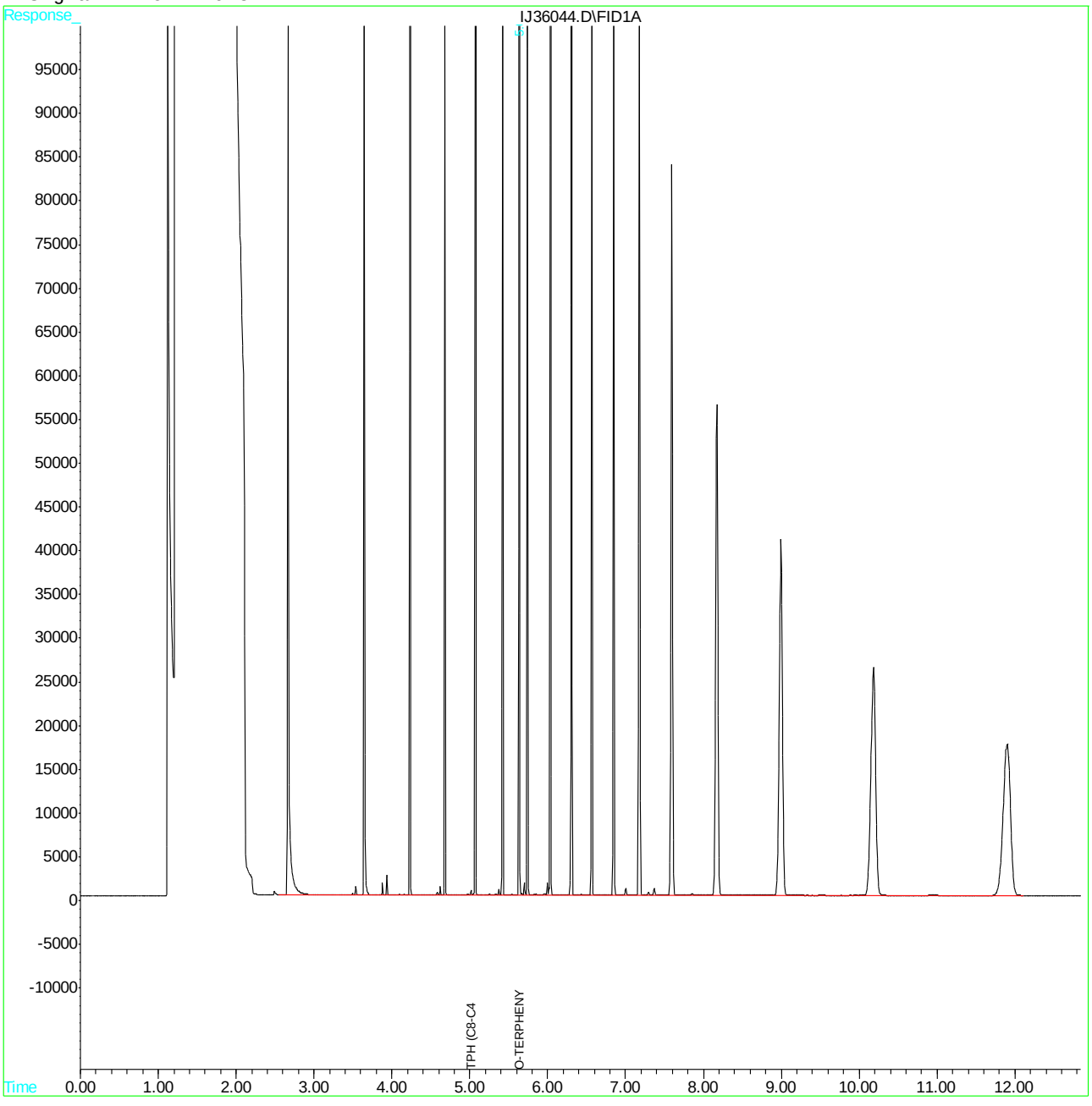
(f)=RT Delta > 1/2 Window (m)=manual int.
IJ36044.D FL_PRO_F.M Mon Jan 08 13:10:42 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36044.D Vial: 4
Acq On : 8 Jan 2007 10:16 am Operator: adamc
Sample : ic1527-680 Inst : FID 1
Misc : op19060,gij1527,30.4,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 8 12:25 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Jan 08 11:31:32 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36045.D          Vial: 5
Acq On    :  8 Jan 2007  10:37 am                    Operator: adamc
Sample    : icc1527-1020                             Inst    : FID 1
Misc      : op19060,gij1527,30.4,,,1,1,soil          Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan  8 12:25 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Mon Jan 08 11:31:32 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.63	1741683	66.281 PPM
Spiked Amount 50.000 Range 49 - 116 Recovery = 132.56%#			
Target Compounds			
2) H TPH (C8-C40)	5.00	27959553	1168.473 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

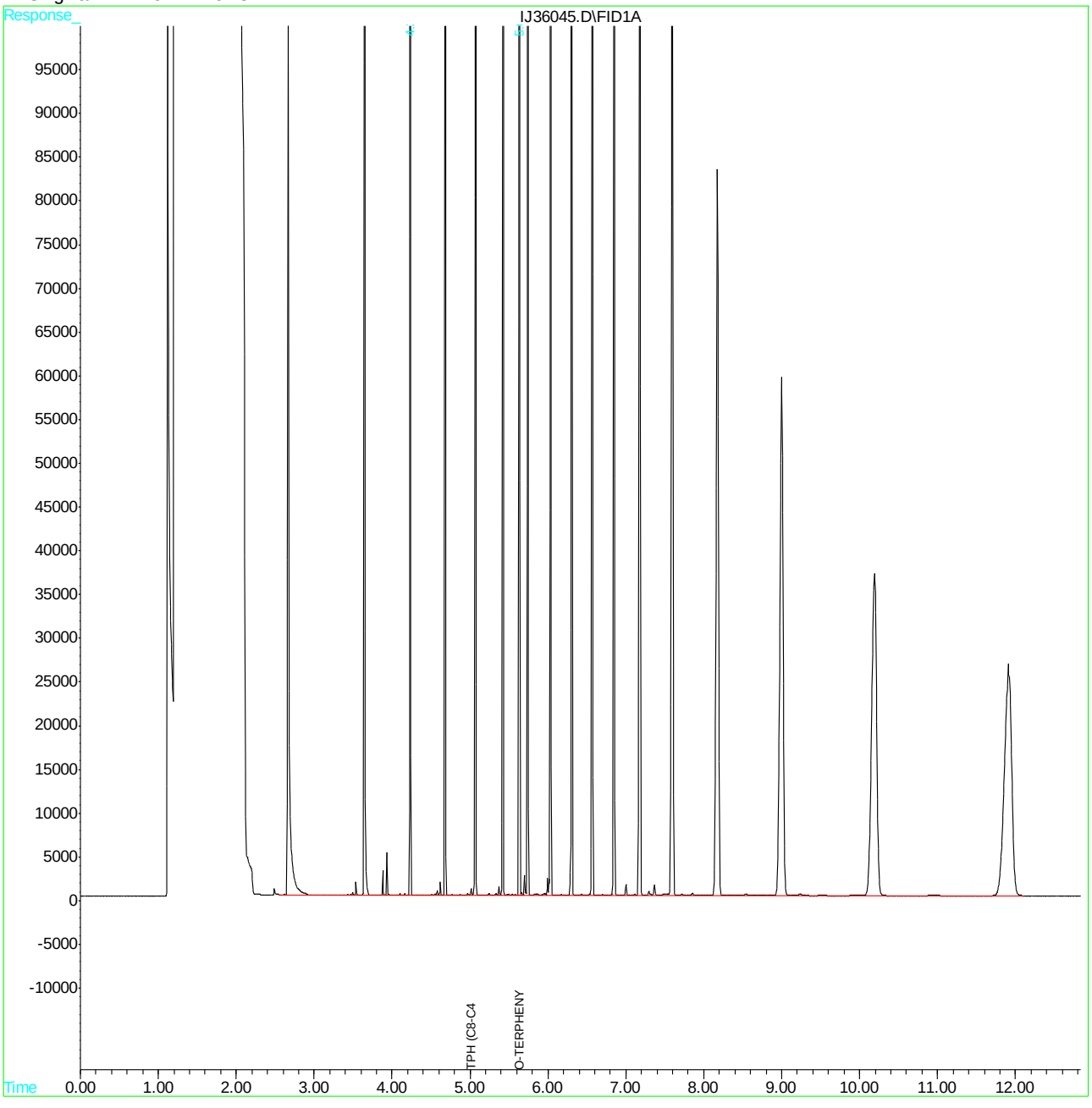
IJ36045.D FL_PRO_F.M Mon Jan 08 13:10:43 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36045.D Vial: 5
Acq On : 8 Jan 2007 10:37 am Operator: adamc
Sample : icc1527-1020 Inst : FID 1
Misc : op19060,gij1527,30.4,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 8 12:25 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Jan 08 11:31:32 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36046.D          Vial: 6
Acq On    :  8 Jan 2007  10:58 am                    Operator: adamc
Sample    : ic1527-1360                              Inst    : FID 1
Misc      : op19060,gij1527,30.4,,,1,1,soil          Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan  8 12:25 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Mon Jan 08 11:31:32 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.64	2325769	88.509 PPM
Spiked Amount 50.000 Range 49 - 116 Recovery = 177.02%#			
Target Compounds			
2) H TPH (C8-C40)	5.00	37292376	1558.507 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

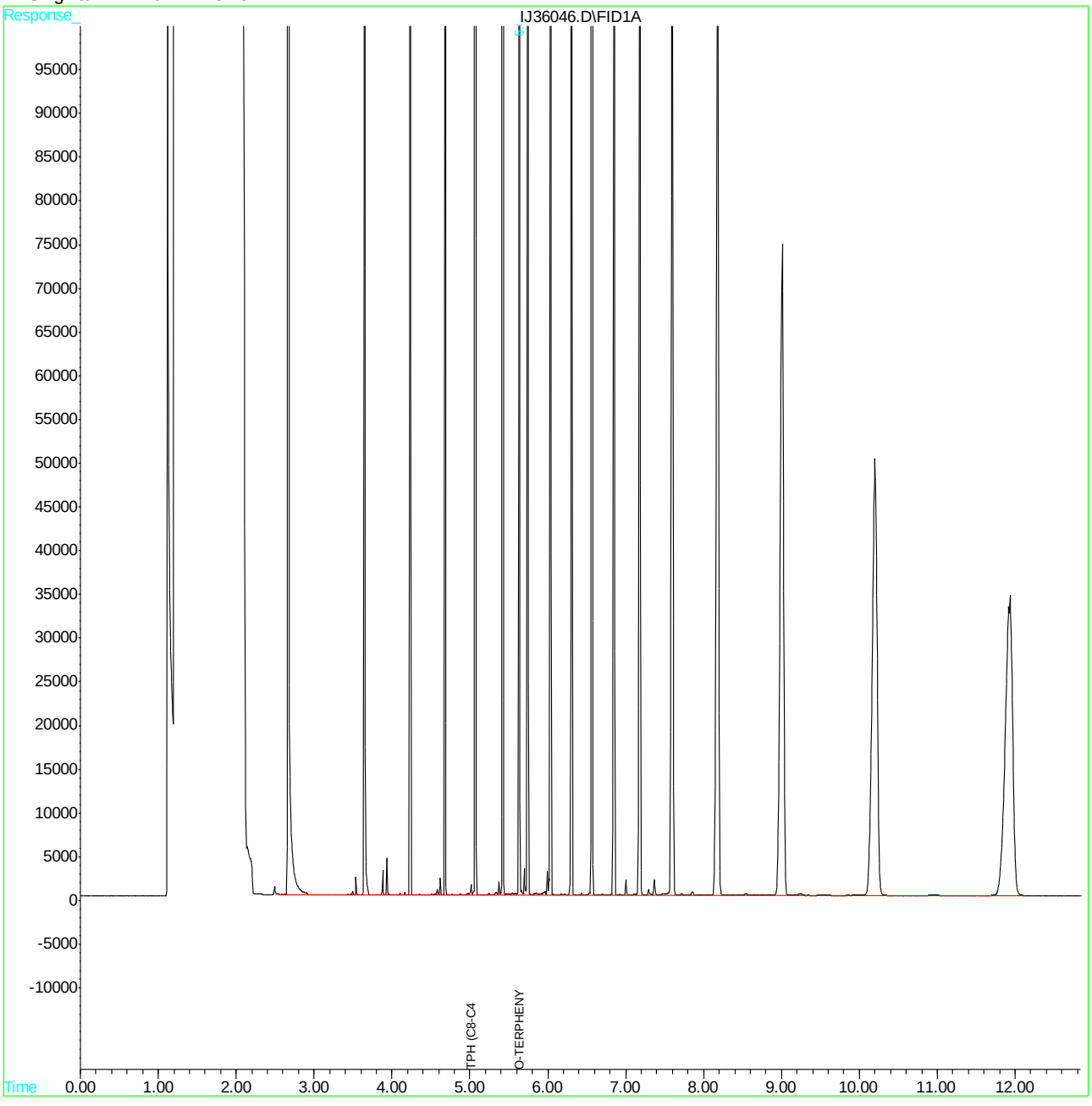
IJ36046.D FL_PRO_F.M Mon Jan 08 13:10:44 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36046.D Vial: 6
Acq On : 8 Jan 2007 10:58 am Operator: adamc
Sample : ic1527-1360 Inst : FID 1
Misc : op19060,gij1527,30.4,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 8 12:25 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Jan 08 11:31:32 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36047.D Vial: 7
Acq On : 8 Jan 2007 11:20 am Operator: adamc
Sample : ic1527-1700 Inst : FID 1
Misc : op19060,gij1527,30.4,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 8 12:25 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Jan 08 11:31:32 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.64	2894480	110.152 PPM
Spiked Amount 50.000 Range 49 - 116 Recovery = 220.30%#			
Target Compounds			
2) H TPH (C8-C40)	5.00	46272702	1933.808 PPM

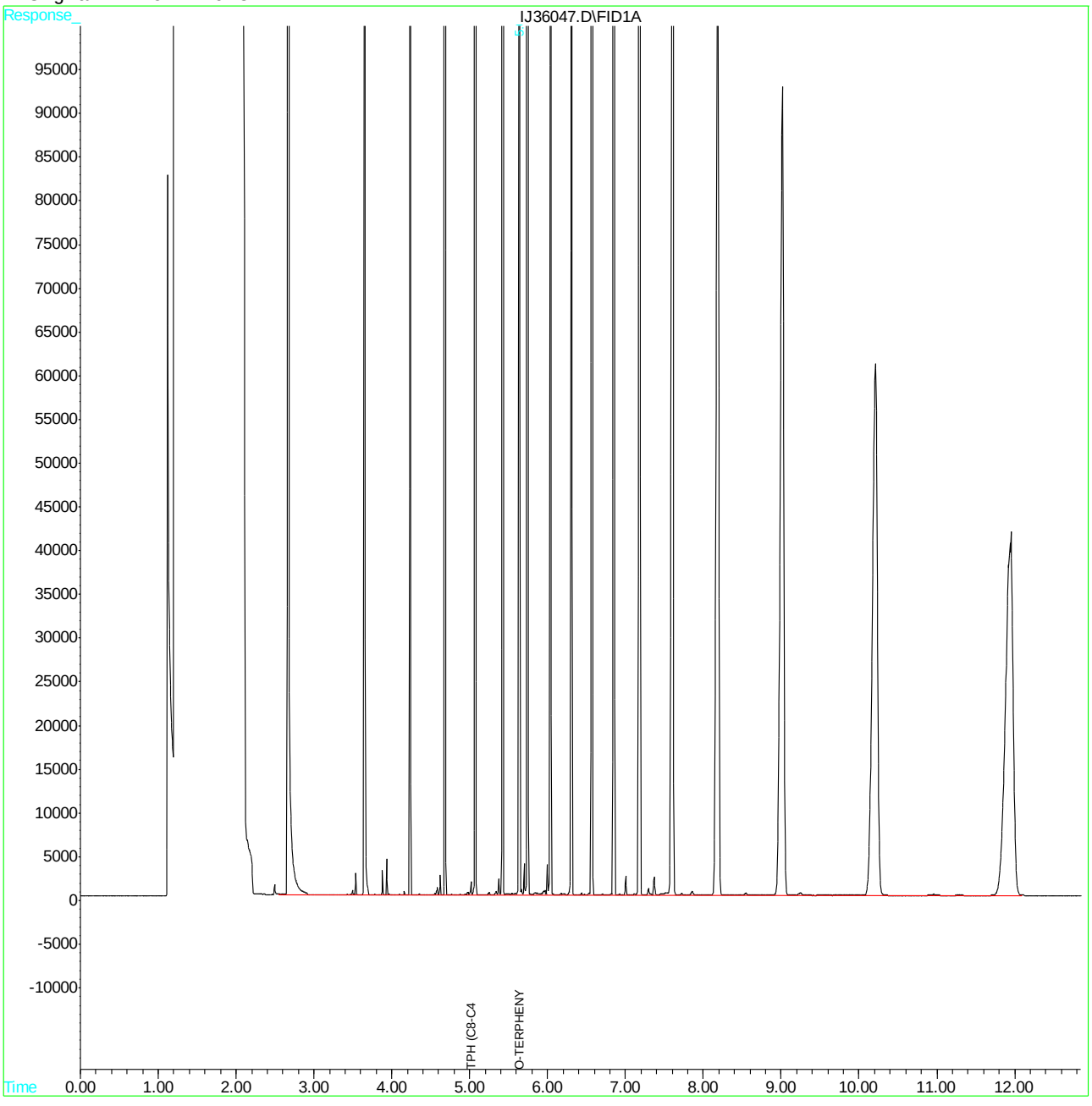
(f)=RT Delta > 1/2 Window (m)=manual int.
IJ36047.D FL_PRO_F.M Mon Jan 08 13:10:45 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36047.D Vial: 7
Acq On : 8 Jan 2007 11:20 am Operator: adamc
Sample : ic1527-1700 Inst : FID 1
Misc : op19060,gij1527,30.4,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 8 12:25 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Jan 08 11:31:32 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36048.D          Vial: 8
Acq On    :  8 Jan 2007  11:41 am                    Operator: adamc
Sample    : ic1527-2125                              Inst    : FID 1
Misc      : op19060,gij1527,30.4,,,1,1,soil          Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan  8 12:25 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Mon Jan 08 11:31:32 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S O-TERPHENYL	0.00	0	N.D.	PPM
Spiked Amount 50.000 Range 49 - 116 Recovery = 0.00%#				
Target Compounds				
2) H TPH (C8-C40)	5.00	57240618	2392.175	PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

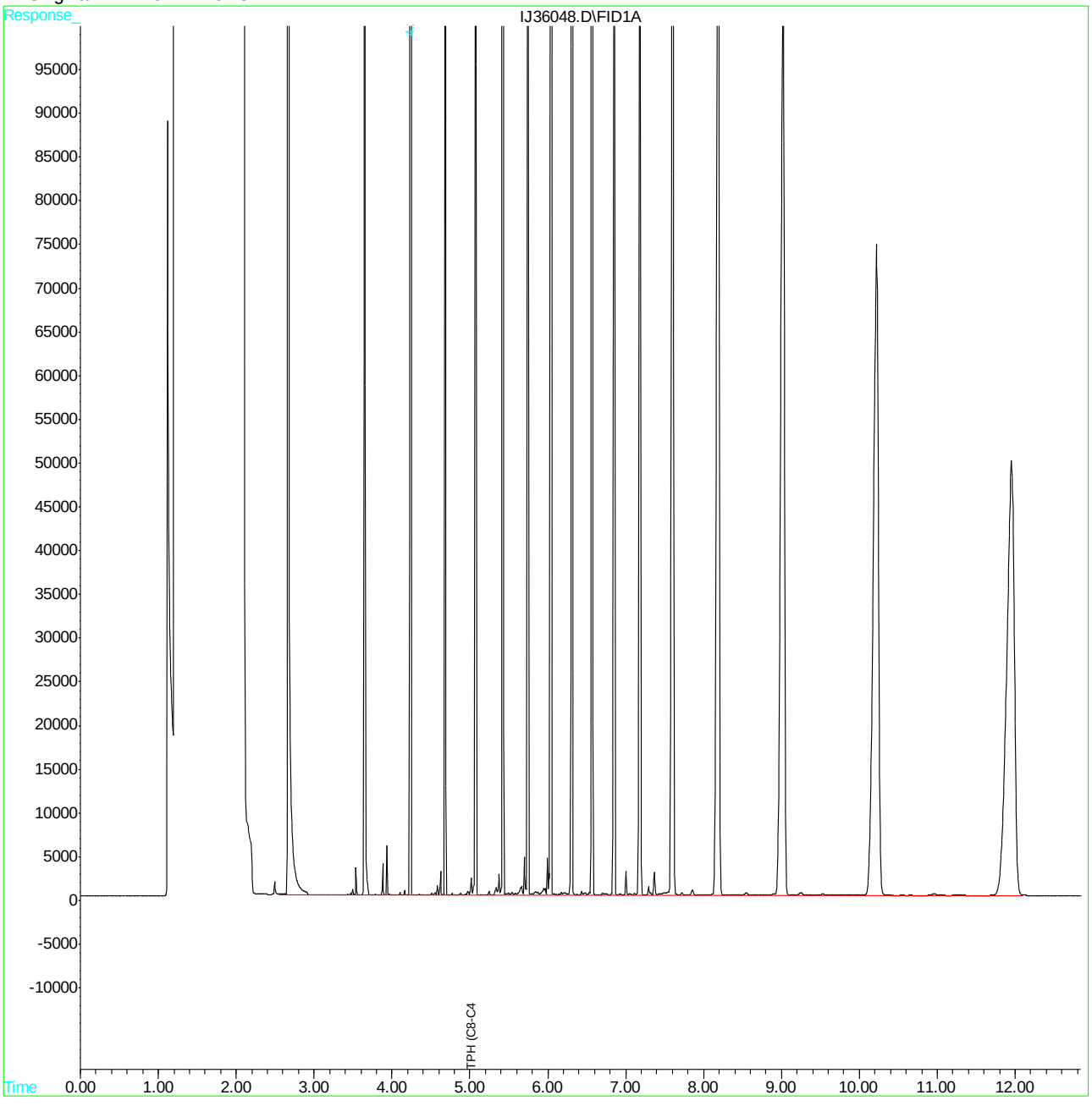
IJ36048.D FL_PRO_F.M Mon Jan 08 13:10:47 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36048.D Vial: 8
Acq On : 8 Jan 2007 11:41 am Operator: adamc
Sample : ic1527-2125 Inst : FID 1
Misc : op19060,gij1527,30.4,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 8 12:25 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Jan 08 11:31:32 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36049.D          Vial: 9
Acq On    :  8 Jan 2007  12:02 pm                    Operator: adamc
Sample    : ic1527-4250                              Inst    : FID 1
Misc      : op19060,gij1527,30.4,,,1,1,soil          Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan  8 12:25 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Mon Jan 08 11:31:32 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID

     Compound                    R.T.       Response    Conc Units
---------------------------------------------------------------------------

System Monitoring Compounds
 1) S   O-TERPHENYL                 0.00              0    N.D.  PPM
Spiked Amount     50.000   Range  49 - 116    Recovery   =    0.00%#

Target Compounds
 2) H   TPH (C8-C40)                5.00      104803897 4379.919 PPM
```

8.5.19

8

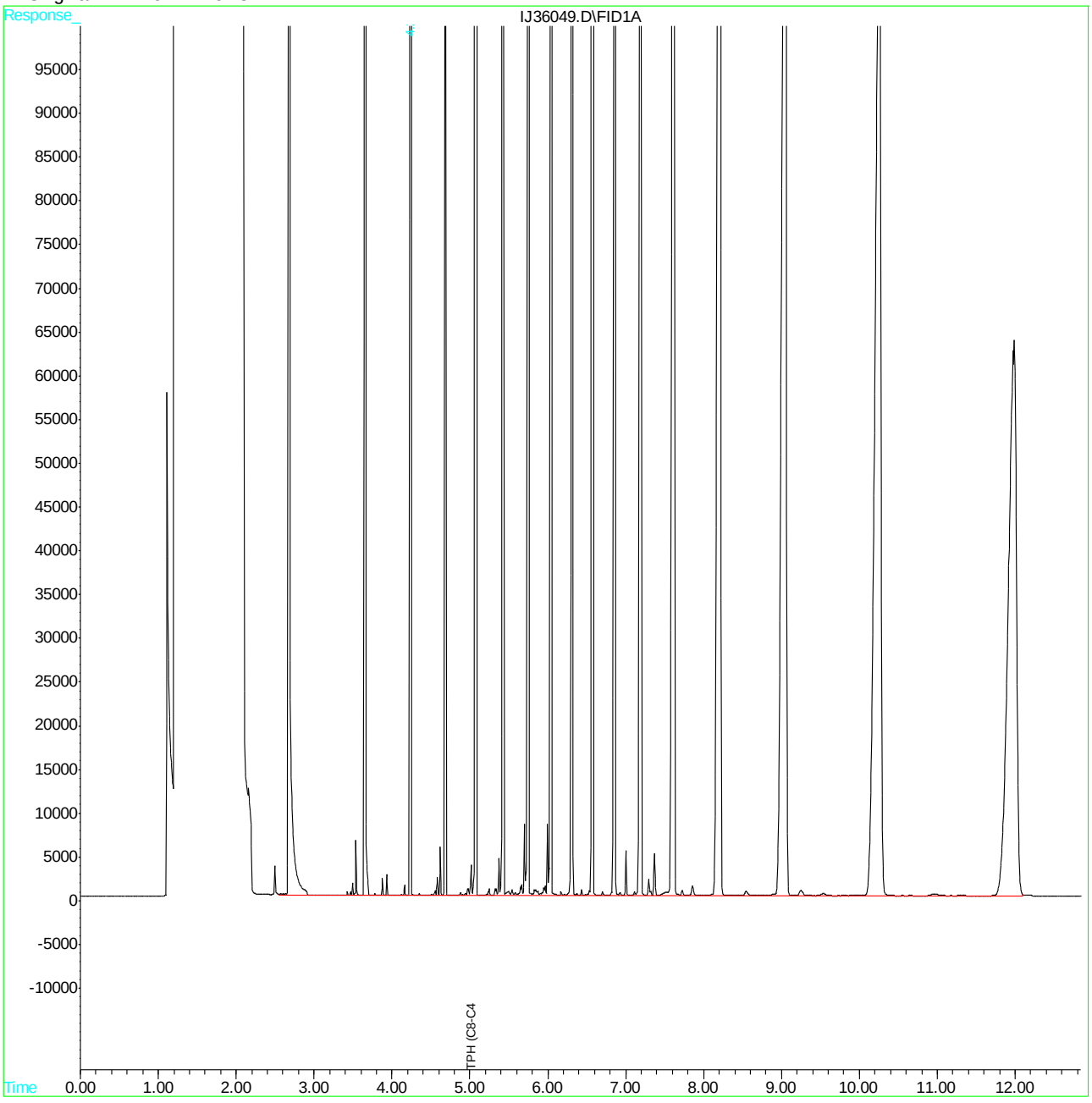
```
---------------------------------------------------------------------------
(f)=RT Delta > 1/2 Window                                (m)=manual int.
IJ36049.D  FL_PRO_F.M      Mon Jan 08 13:10:48 2007
```

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36049.D Vial: 9
Acq On : 8 Jan 2007 12:02 pm Operator: adamc
Sample : ic1527-4250 Inst : FID 1
Misc : op19060,gij1527,30.4,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 8 12:25 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Jan 08 11:31:32 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36050.D          Vial: 10
Acq On    :  8 Jan 2007  12:23 pm                    Operator: adamc
Sample    : icv1527-1020                             Inst    : FID 1
Misc      : op19060,gij1527,30.4,,,1,1,soil          Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan  8 12:36 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Mon Jan 08 12:30:11 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S O-TERPHENYL	0.00	0	N.D.	PPM
Spiked Amount 50.000 Range 49 - 116 Recovery = 0.00%#				
Target Compounds				
2) H TPH (C8-C40)	5.00	27065971	993.737	PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

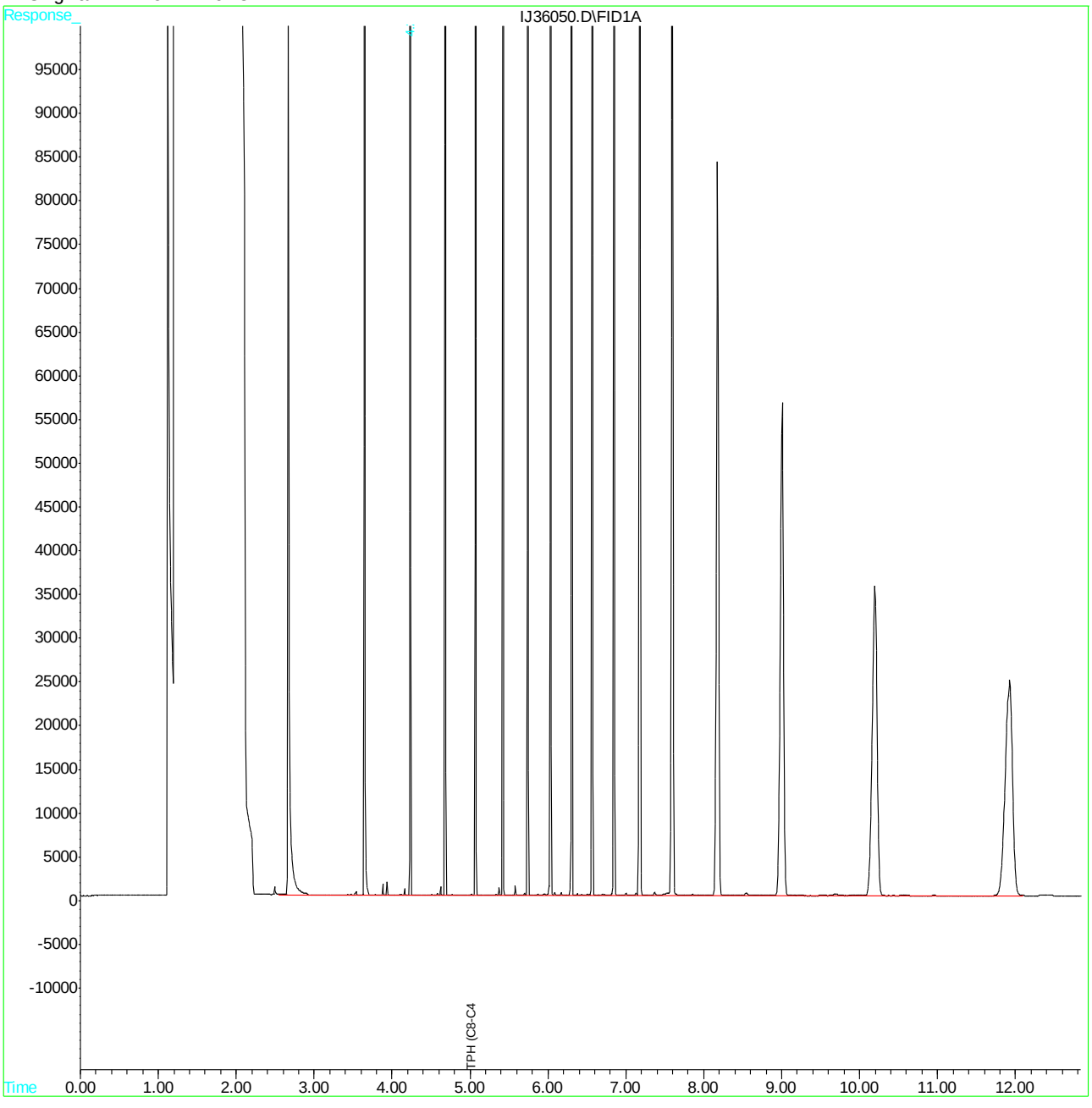
IJ36050.D FL_PRO_F.M Mon Jan 08 13:10:49 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0108FPRO\IJ36050.D Vial: 10
Acq On : 8 Jan 2007 12:23 pm Operator: adamc
Sample : icv1527-1020 Inst : FID 1
Misc : op19060,gij1527,30.4,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 8 12:36 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Jan 08 12:30:11 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36972.D          Vial: 2
Acq On    : 14 Feb 2007  10:52 am                   Operator: fouads
Sample    : cc1527-1020                             Inst    : FID 1
Misc      : op19474,gij1544,30.2,,,1,1,soil         Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 15  8:17 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Tue Jan 30 08:03:20 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.61	1910377	65.368 PPM
Spiked Amount 50.000 Range 47 - 111 Recovery = 130.74%#			
Target Compounds			
2) H TPH (C8-C40)	5.00	29415247	1079.992 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

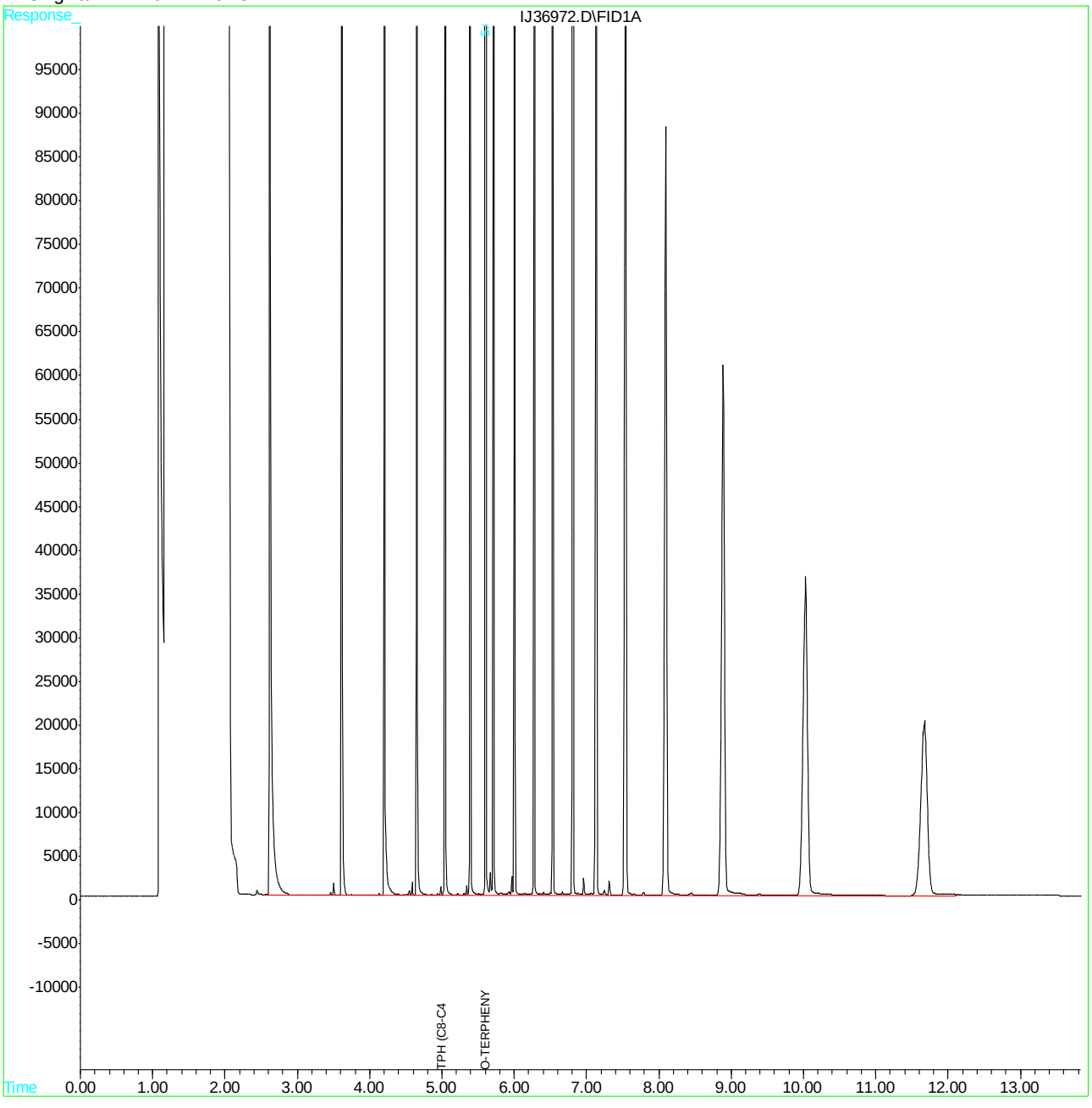
IJ36972.D FL_PRO_F.M Thu Feb 15 09:35:44 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36972.D Vial: 2
Acq On : 14 Feb 2007 10:52 am Operator: fouads
Sample : cc1527-1020 Inst : FID 1
Misc : op19474,gij1544,30.2,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 15 8:17 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Tue Jan 30 08:03:20 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36973.D          Vial: 3
Acq On    : 14 Feb 2007  11:14 am                   Operator: fouads
Sample    : cc1527-340                              Inst    : FID 1
Misc      : op19474,gij1544,30.2,,,1,1,soil         Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 15  8:17 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Tue Jan 30 08:03:20 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.60	596700	20.418 PPM
Spiked Amount 50.000	Range 47 - 111	Recovery =	40.84%#
Target Compounds			
2) H TPH (C8-C40)	5.00	9170914	336.714 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

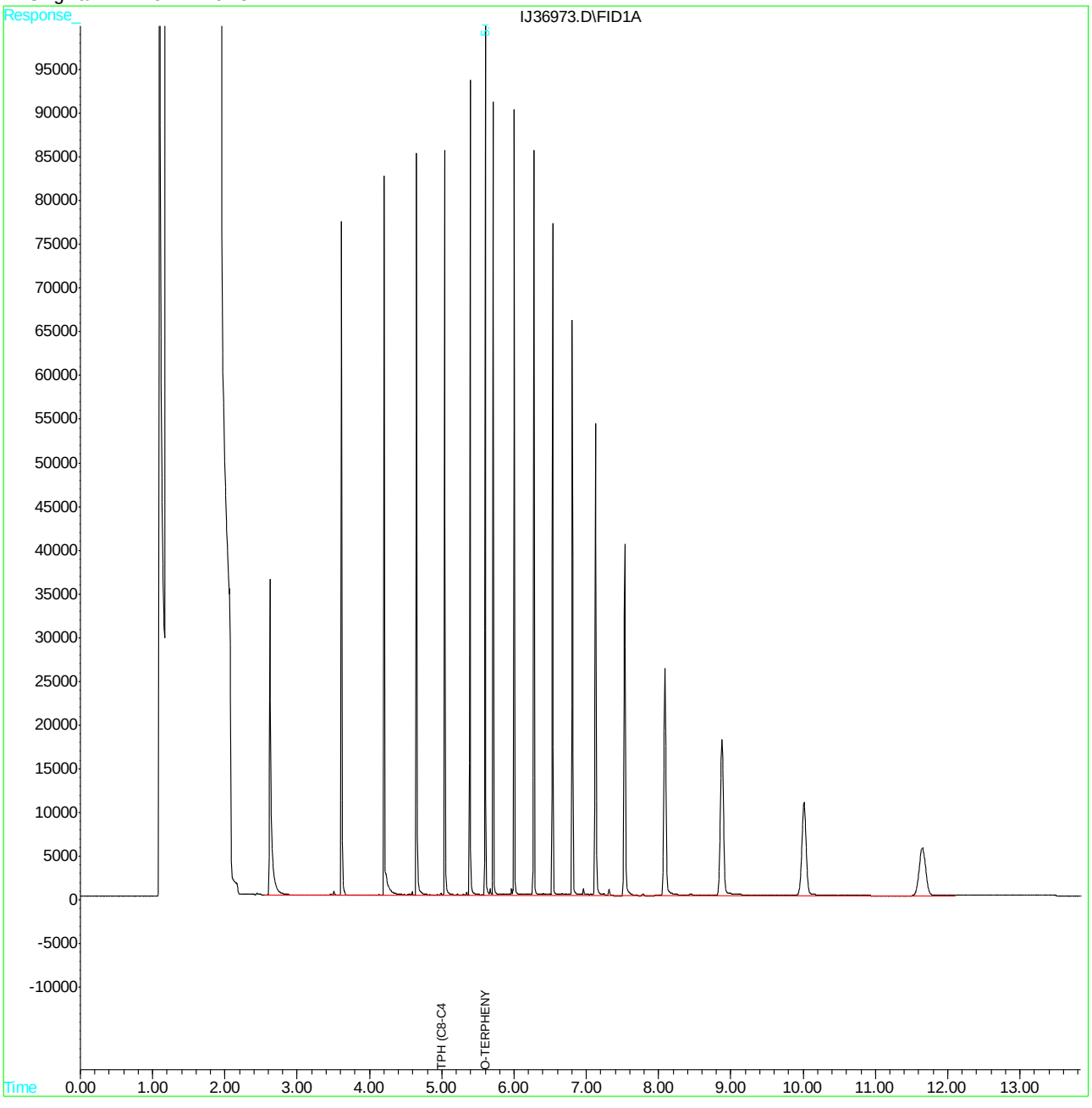
IJ36973.D FL_PRO_F.M Thu Feb 15 09:35:45 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36973.D Vial: 3
Acq On : 14 Feb 2007 11:14 am Operator: fouads
Sample : cc1527-340 Inst : FID 1
Misc : op19474,gij1544,30.2,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 15 8:17 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Tue Jan 30 08:03:20 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36985.D          Vial: 2
Acq On    : 14 Feb 2007   3:41 pm                   Operator: fouads
Sample    : cc1527-1020                             Inst    : FID 1
Misc      : op19501,gij1544,520,,,1,1,water         Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 15  8:17 2007  Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Tue Jan 30 08:03:20 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.61	1630567	55.794 PPM
Spiked Amount 50.000	Range 38 - 122	Recovery = 111.59%	
Target Compounds			
2) H TPH (C8-C40)	5.00	25170228	924.134 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

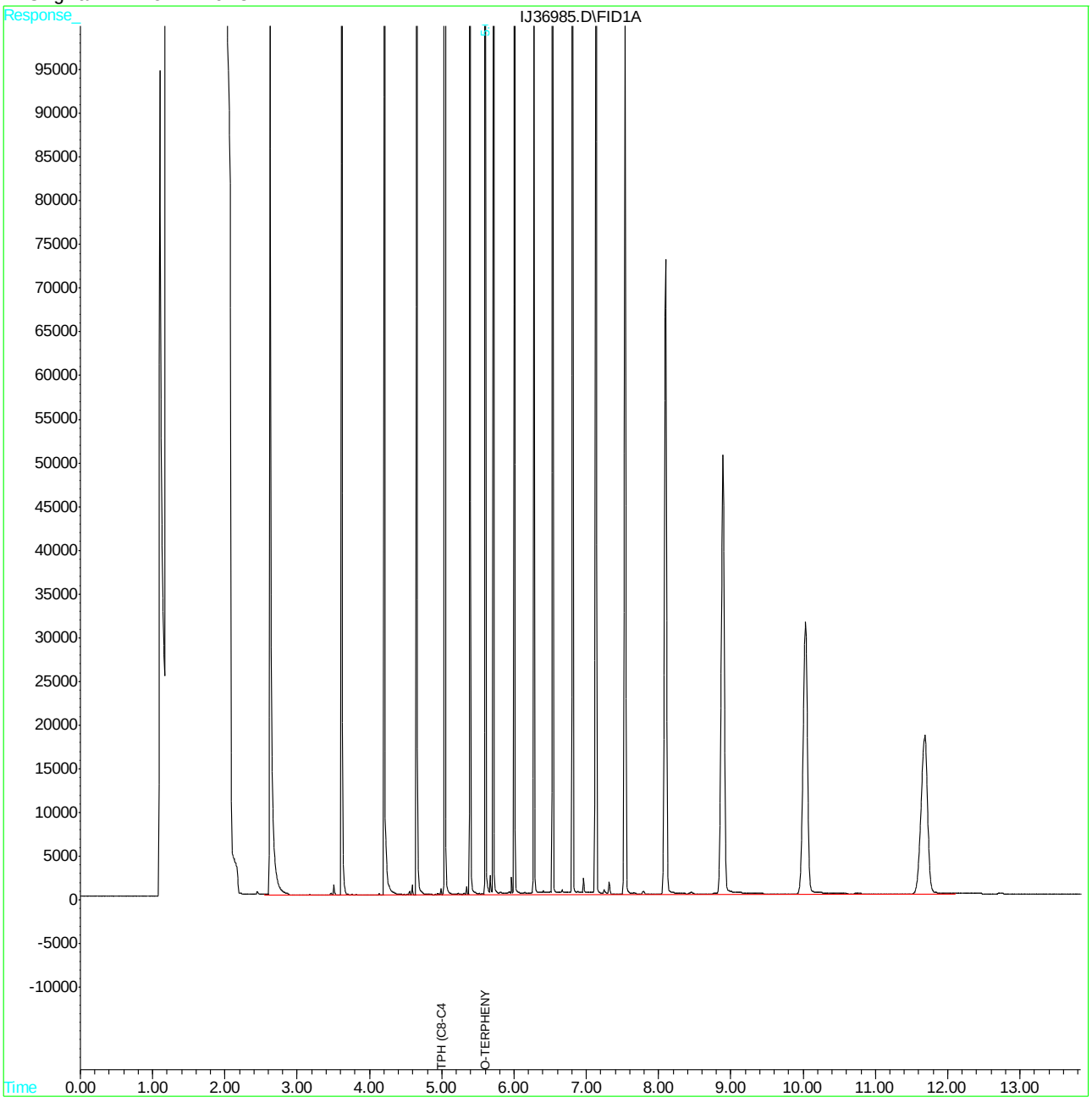
IJ36985.D FL_PRO_F.M Thu Feb 15 09:35:54 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\0214PRO\IJ36985.D Vial: 2
Acq On : 14 Feb 2007 3:41 pm Operator: fouads
Sample : cc1527-1020 Inst : FID 1
Misc : op19501,gij1544,520,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 15 8:17 2007 Quant Results File: FL_PRO_F.RES

Quant Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Tue Jan 30 08:03:20 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_F.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Manual Integrations
APPROVED
(compounds with "m" flag)
Mark Erstling
01/18/07 17:00

Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0117PRO\OP69110.D          Vial: 1
Acq On    : 17 Jan 2007   8:43 am                   Operator: fouads
Sample    : ic1844-255                              Inst    : FID 2
Misc      : op19139,gop1844,30.9,,,1,1,soil         Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan 17 11:55 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Jan 17 11:52:49 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.77	331564	11.446 PPM m
Spiked Amount 50.000 Range 49 - 116 Recovery = 22.89%#			
Target Compounds			
2) H TPH (C8-C40)	5.06	5753154	219.228 PPM

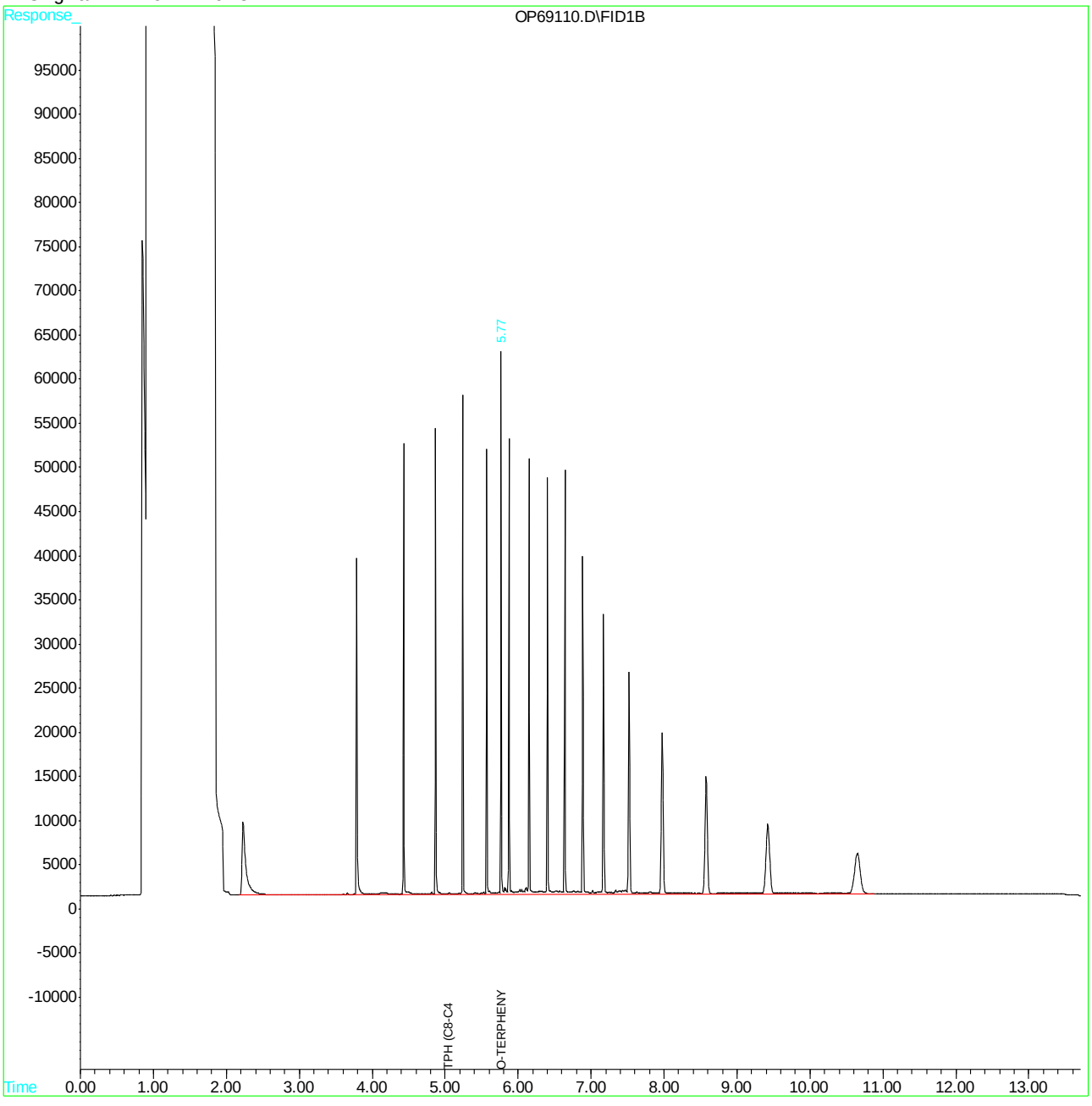
(f)=RT Delta > 1/2 Window (m)=manual int.
OP69110.D FL_PRO_R.M Thu Jan 18 10:23:01 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0117PRO\OP69110.D Vial: 1
Acq On : 17 Jan 2007 8:43 am Operator: fouads
Sample : ic1844-255 Inst : FID 2
Misc : op19139,gop1844,30.9,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 17 11:55 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Jan 17 11:52:49 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0117PRO\OP69111.D          Vial: 2
Acq On    : 17 Jan 2007   9:06 am                   Operator: fouads
Sample    : ic1844-340                              Inst    : FID 2
Misc      : op19139,gop1844,30.9,,,1,1,soil         Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan 17 11:56 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Jan 17 11:52:49 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.77	465281	16.062 PPM
Spiked Amount 50.000 Range 49 - 116 Recovery = 32.12%#			
Target Compounds			
2) H TPH (C8-C40)	5.06	7427141	283.017 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

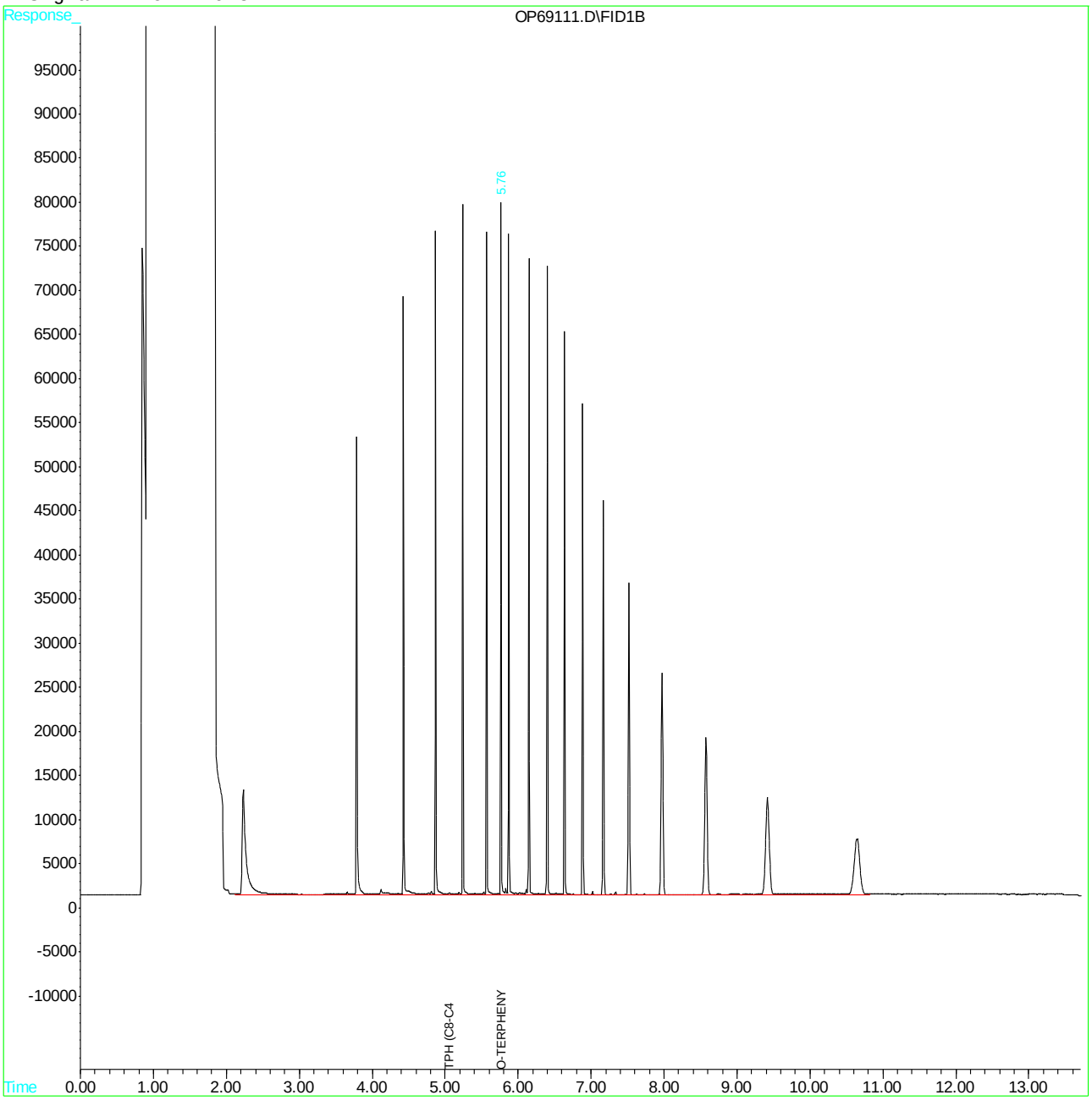
OP69111.D FL_PRO_R.M Thu Jan 18 10:23:02 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0117PRO\OP69111.D Vial: 2
Acq On : 17 Jan 2007 9:06 am Operator: fouads
Sample : ic1844-340 Inst : FID 2
Misc : op19139,gop1844,30.9,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 17 11:56 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Jan 17 11:52:49 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0117PRO\OP69112.D          Vial: 3
Acq On    : 17 Jan 2007   9:29 am                   Operator: fouads
Sample    : ic1844-680                              Inst    : FID 2
Misc      : op19139,gop1844,30.9,,,1,1,soil         Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan 17 11:56 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Jan 17 11:52:49 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.76	841917	29.064 PPM
Spiked Amount 50.000	Range 49 - 116	Recovery = 58.13%	
Target Compounds			
2) H TPH (C8-C40)	5.06	13404938	510.805 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

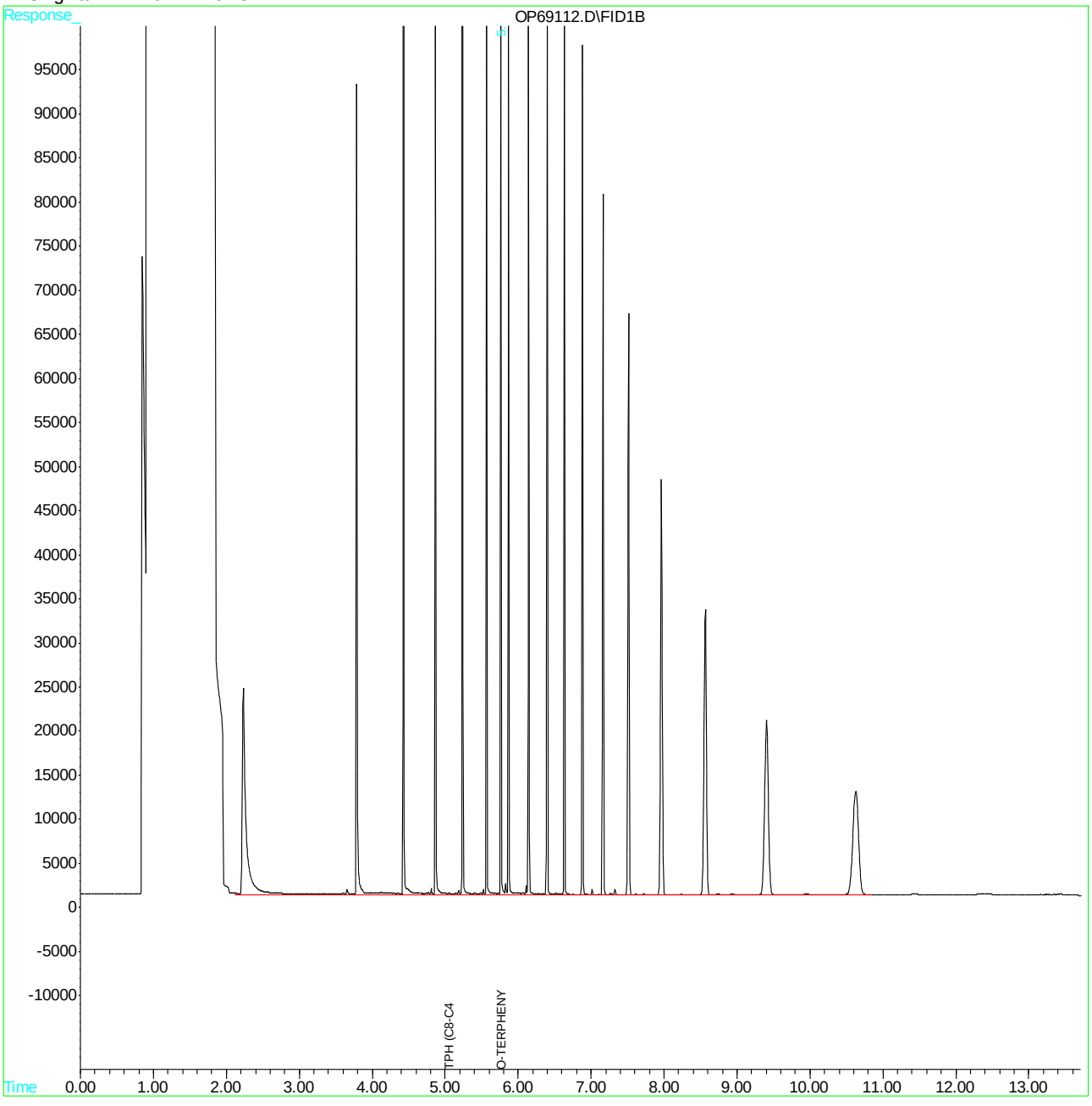
OP69112.D FL_PRO_R.M Thu Jan 18 10:23:03 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0117PRO\OP69112.D Vial: 3
Acq On : 17 Jan 2007 9:29 am Operator: fouads
Sample : ic1844-680 Inst : FID 2
Misc : op19139,gop1844,30.9,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 17 11:56 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Jan 17 11:52:49 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Manual Integrations APPROVED (compounds with "m" flag)
Mark Erstling
01/18/07 17:00

Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0117PRO\OP69113.D          Vial: 4
Acq On    : 17 Jan 2007   9:51 am                   Operator: fouads
Sample    : icc1844-1020                            Inst    : FID 2
Misc      : op19139,gop1844,30.9,,,1,1,soil         Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan 17 11:57 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Jan 17 11:52:49 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.76	1354835	46.771 PPM m
Spiked Amount 50.000 Range 49 - 116 Recovery = 93.54%			
Target Compounds			
2) H TPH (C8-C40)	5.06	21557076	821.448 PPM

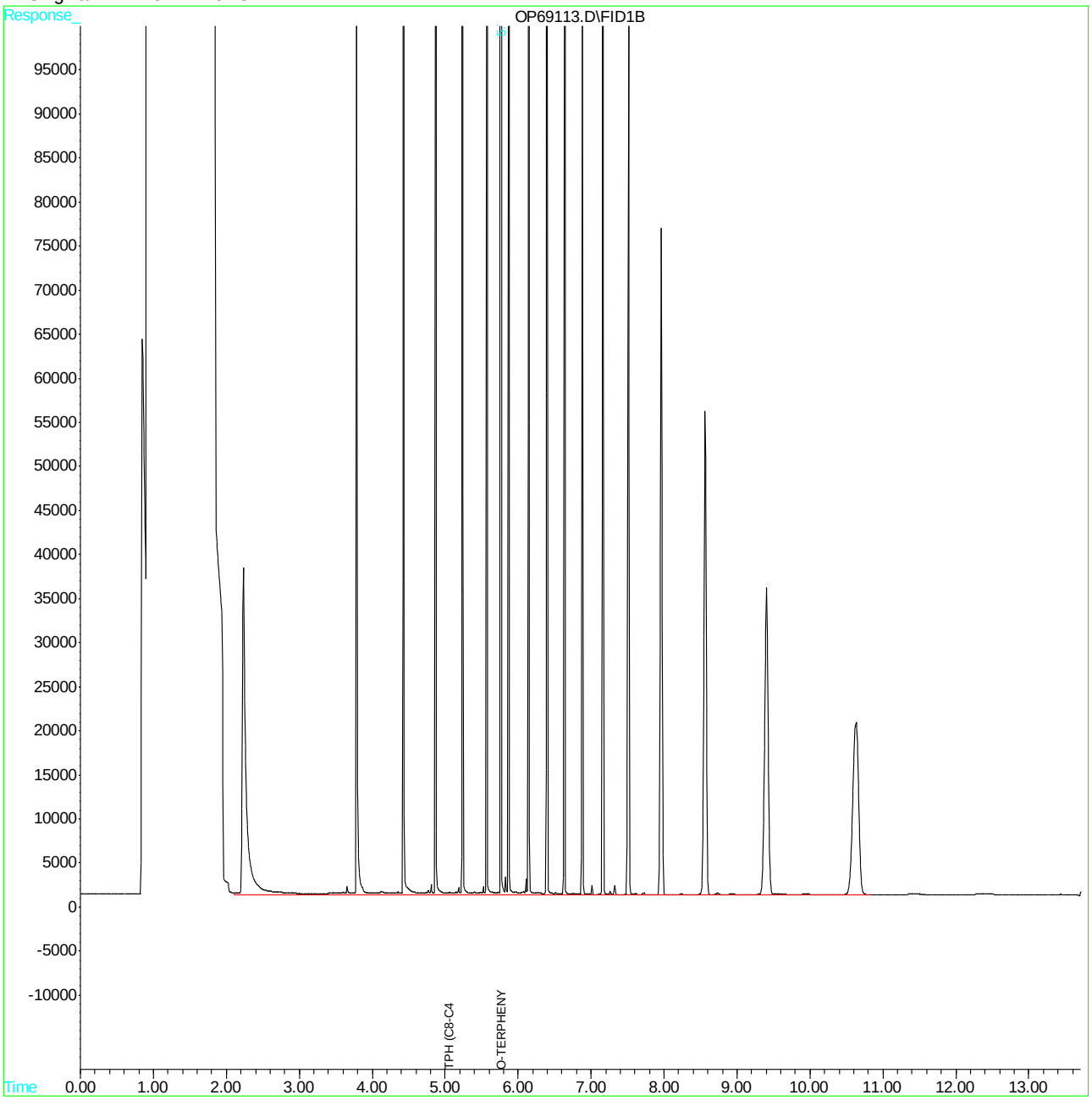
(f)=RT Delta > 1/2 Window (m)=manual int.
OP69113.D FL_PRO_R.M Thu Jan 18 10:23:04 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0117PRO\OP69113.D Vial: 4
Acq On : 17 Jan 2007 9:51 am Operator: fouads
Sample : icc1844-1020 Inst : FID 2
Misc : op19139,gop1844,30.9,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 17 11:57 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Jan 17 11:52:49 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0117PRO\OP69115.D          Vial: 6
Acq On    : 17 Jan 2007  10:38 am                   Operator: fouads
Sample    : ic1844-1700                             Inst    : FID 2
Misc      : op19139,gop1844,30.9,,,1,1,soil         Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan 17 11:58 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Jan 17 11:52:49 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.76	2181546	75.310 PPM
Spiked Amount 50.000 Range 49 - 116 Recovery = 150.62%#			
Target Compounds			
2) H TPH (C8-C40)	5.06	34424746	1311.780 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

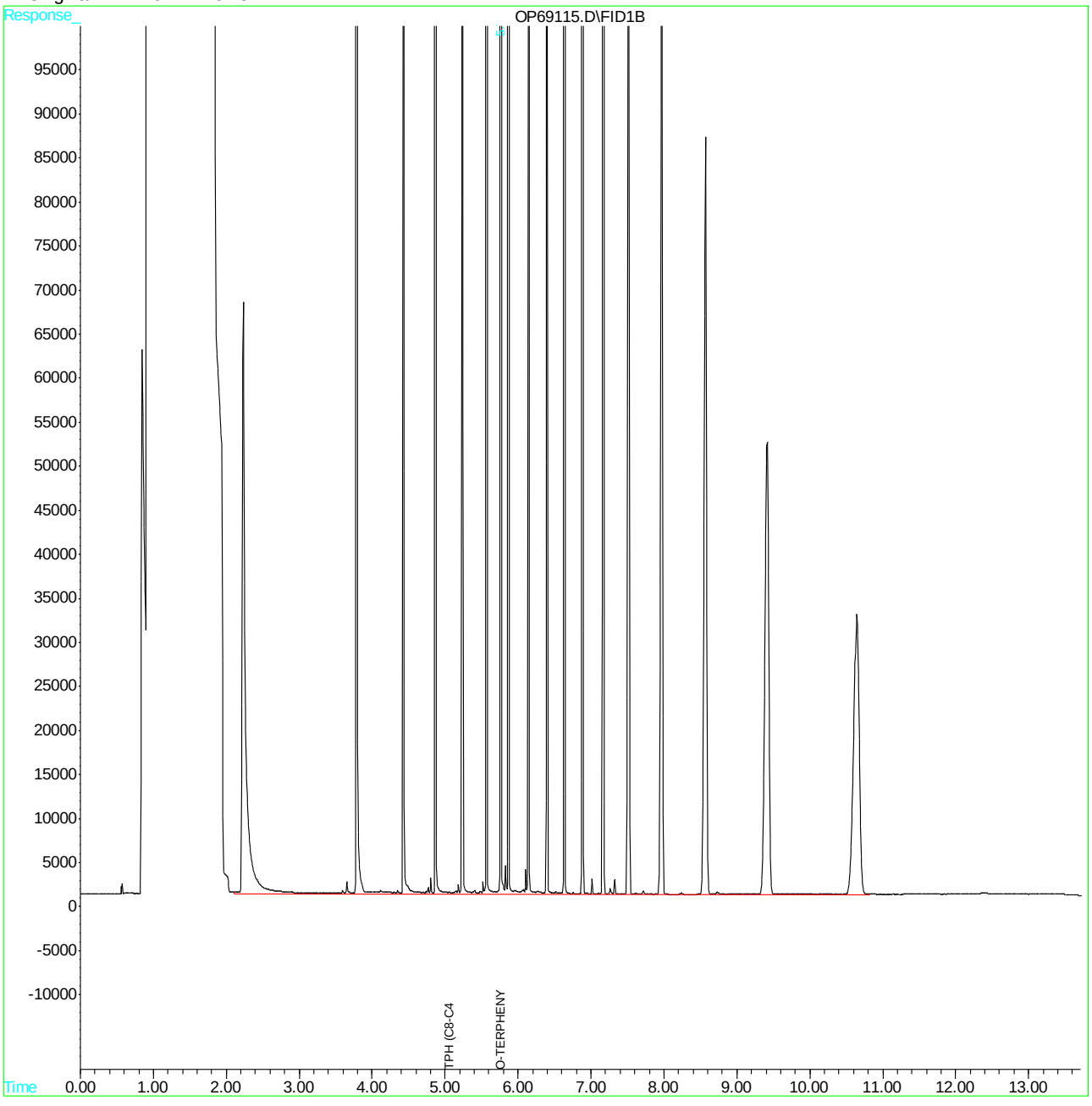
OP69115.D FL_PRO_R.M Thu Jan 18 10:23:05 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0117PRO\OP69115.D Vial: 6
Acq On : 17 Jan 2007 10:38 am Operator: fouads
Sample : ic1844-1700 Inst : FID 2
Misc : op19139,gop1844,30.9,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 17 11:58 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Jan 17 11:52:49 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0117PRO\OP69116.D Vial: 7
Acq On : 17 Jan 2007 11:01 am Operator: fouads
Sample : ic1844-2125 Inst : FID 2
Misc : op19139,gop1844,30.9,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 17 11:58 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Jan 17 11:52:49 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S O-TERPHENYL	0.00	0	N.D.	PPM
Spiked Amount 50.000 Range 49 - 116 Recovery = 0.00%#				
Target Compounds				
2) H TPH (C8-C40)	5.06	44510138	1696.091	PPM

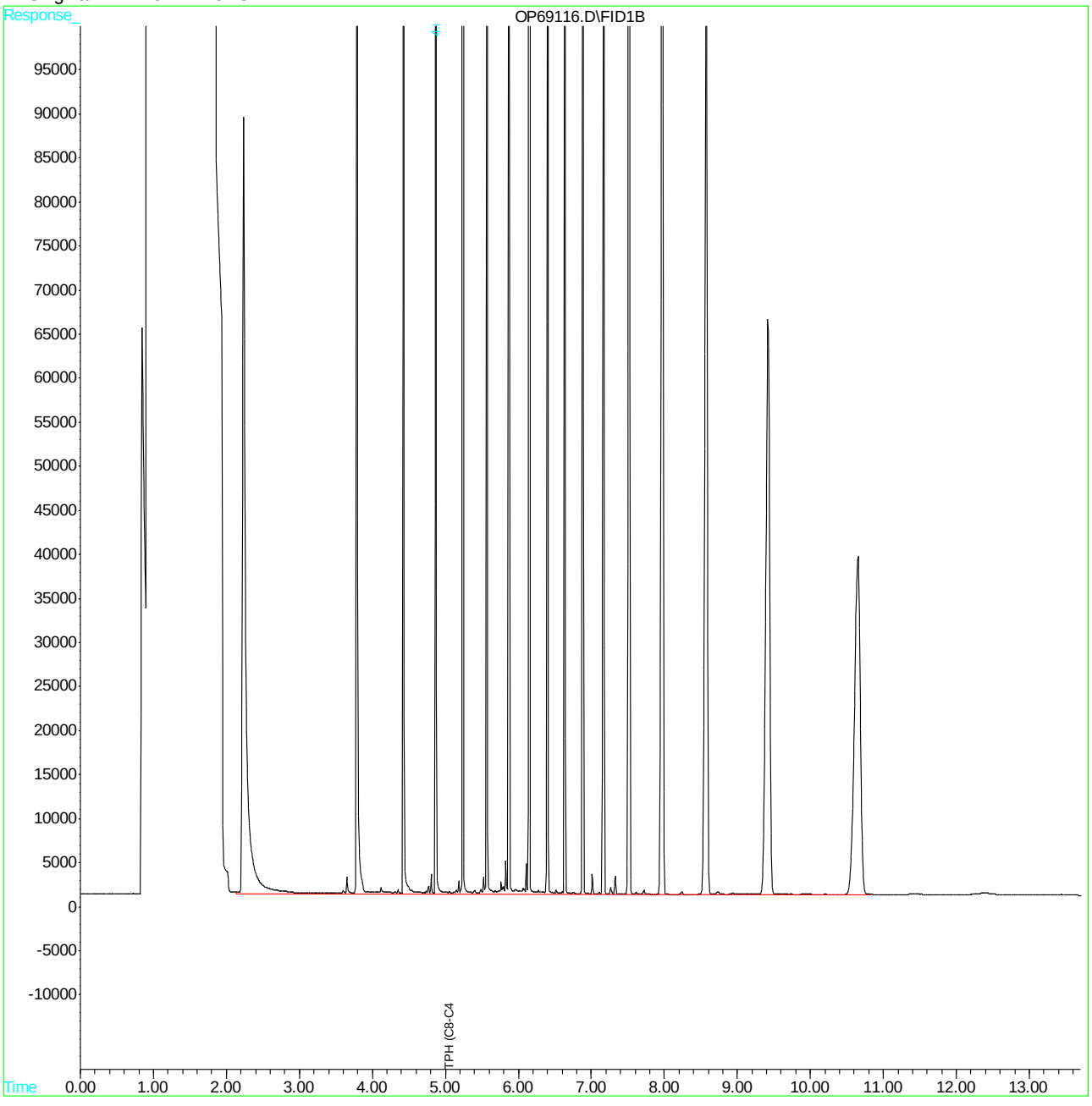
(f)=RT Delta > 1/2 Window (m)=manual int.
OP69116.D FL_PRO_R.M Thu Jan 18 10:23:06 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0117PRO\OP69116.D Vial: 7
Acq On : 17 Jan 2007 11:01 am Operator: fouads
Sample : ic1844-2125 Inst : FID 2
Misc : op19139,gop1844,30.9,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 17 11:58 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Jan 17 11:52:49 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0117PRO\OP69117.D          Vial: 8
Acq On    : 17 Jan 2007  11:24 am                   Operator: fouads
Sample    : ic1844-4250                             Inst    : FID 2
Misc      : op19139,gop1844,30.9,,,1,1,soil         Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan 17 11:59 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Jan 17 11:52:49 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID

     Compound                    R.T.       Response    Conc Units
  ---------------------------------------------------------------------------

  System Monitoring Compounds
 1) S   O-TERPHENYL                 0.00              0    N.D.  PPM  d
Spiked Amount     50.000   Range  49 - 116    Recovery   =    0.00%#

  Target Compounds
 2) H   TPH (C8-C40)                5.06       80251430 3058.039 PPM
```

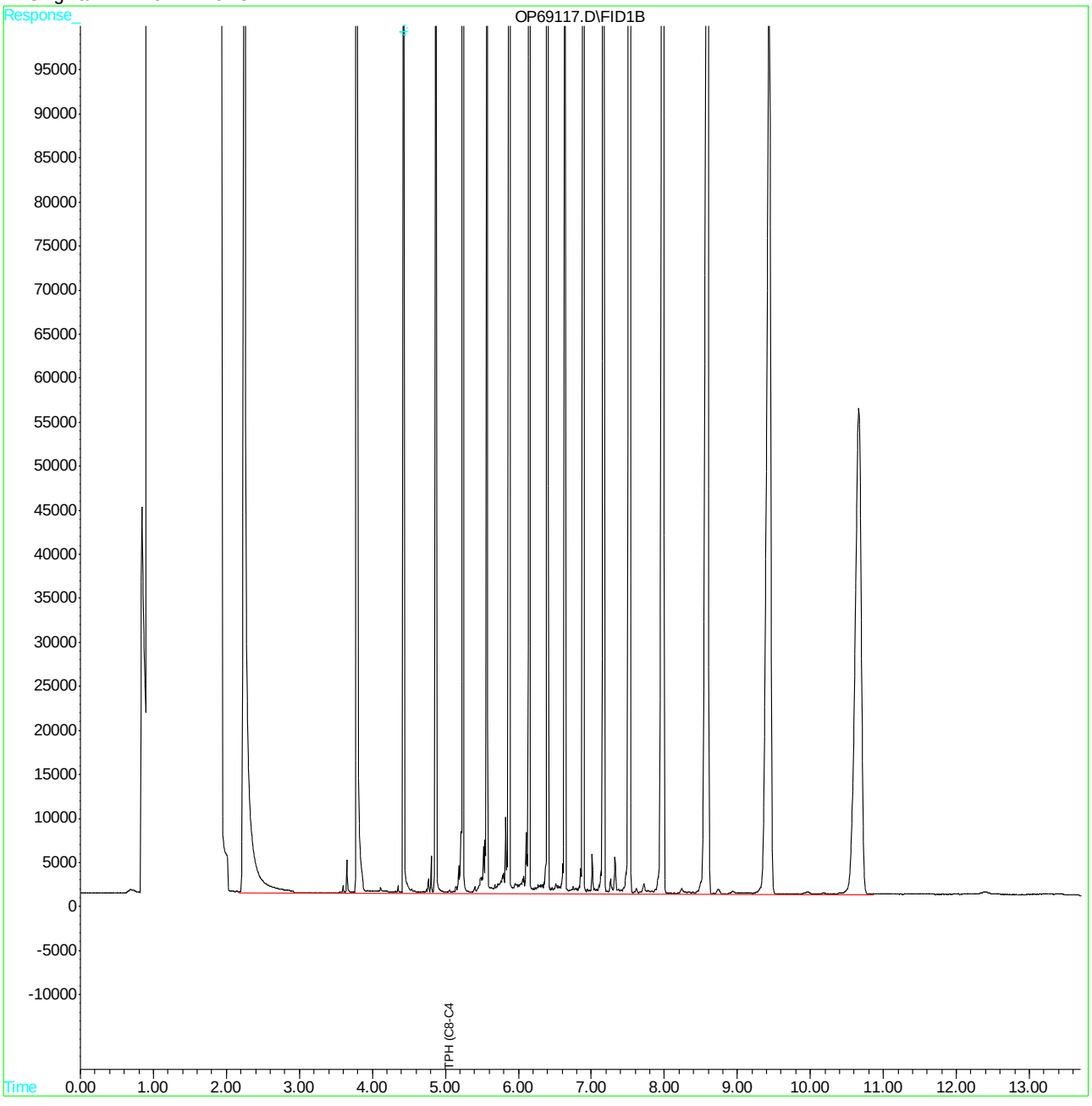
```
---------------------------------------------------------------------------
(f)=RT Delta > 1/2 Window                              (m)=manual int.
OP69117.D  FL_PRO_R.M      Thu Jan 18 10:23:07 2007
```

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0117PRO\OP69117.D Vial: 8
Acq On : 17 Jan 2007 11:24 am Operator: fouads
Sample : ic1844-4250 Inst : FID 2
Misc : op19139,gop1844,30.9,,,1,1,soil Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 17 11:59 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Jan 17 11:52:49 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0117PRO\OP69120.D          Vial: 11
Acq On    : 17 Jan 2007  12:33 pm                   Operator: fouads
Sample    : ic1844-1360                             Inst    : FID 2
Misc      : op19171,gop1844,1000,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan 17 13:36 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Jan 17 12:00:26 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.76	1630944	71.426 PPM
Spiked Amount 50.000 Range 40 - 126 Recovery = 142.85%#			
Target Compounds			
2) H TPH (C8-C40)	5.06	25477930	1200.806 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

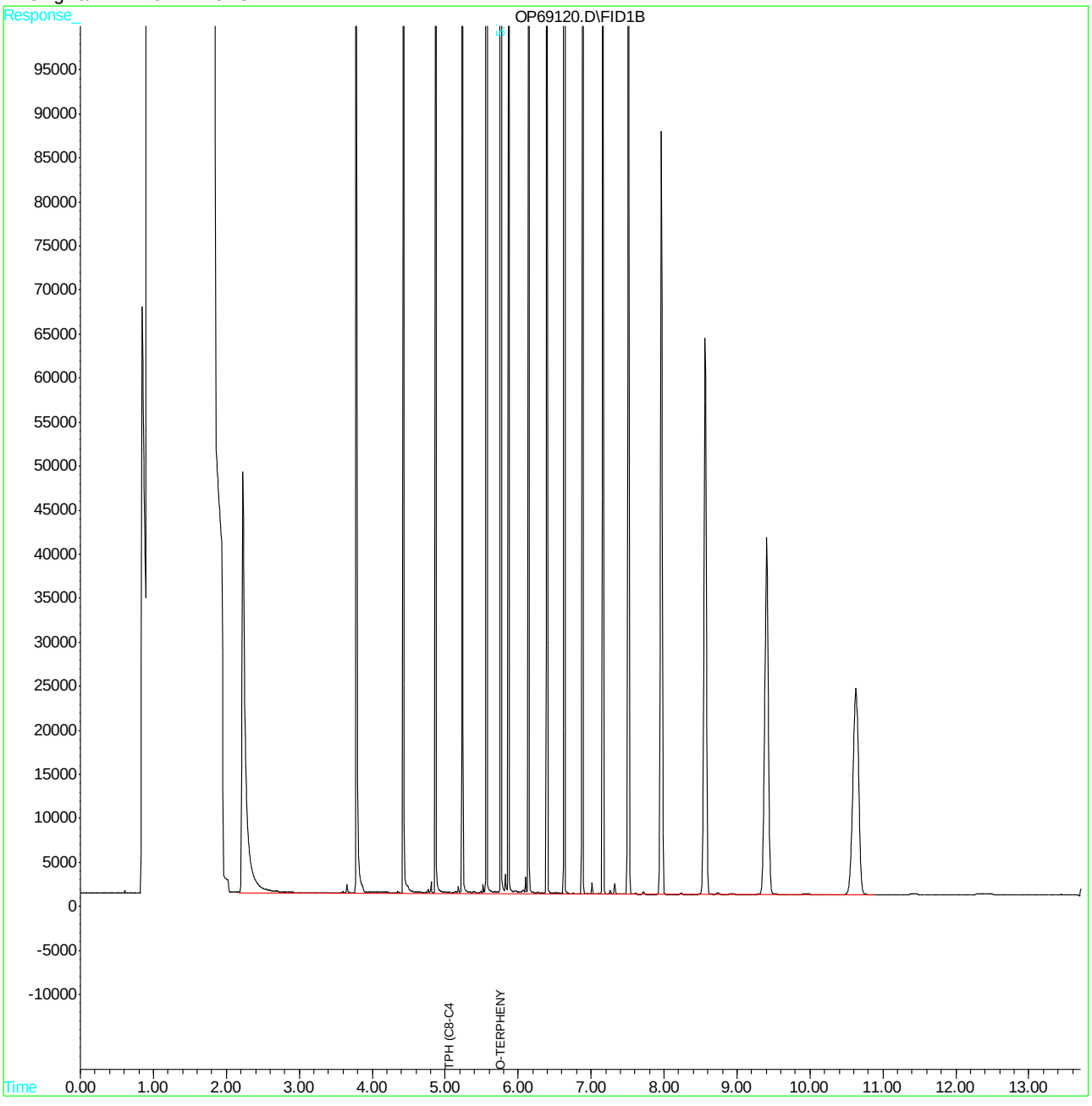
OP69120.D FL_PRO_R.M Thu Jan 18 10:23:08 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0117PRO\OP69120.D Vial: 11
Acq On : 17 Jan 2007 12:33 pm Operator: fouads
Sample : ic1844-1360 Inst : FID 2
Misc : op19171,gop1844,1000,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 17 13:36 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Jan 17 12:00:26 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0117PRO\OP69122.D          Vial: 13
Acq On    : 17 Jan 2007   1:46 pm                   Operator: fouads
Sample    : icv1844-1020                            Inst    : FID 2
Misc      : op19171,gop1844,1040,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Jan 17 14:08 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Jan 17 13:40:51 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID

     Compound                    R.T.       Response    Conc Units
  ---------------------------------------------------------------------------

  System Monitoring Compounds
 1) S   O-TERPHENYL                 0.00              0    N.D.  PPM
Spiked Amount     50.000   Range  40 - 126    Recovery   =    0.00%#

  Target Compounds
 2) H   TPH (C8-C40)                5.06       20558220 1002.438 PPM
```

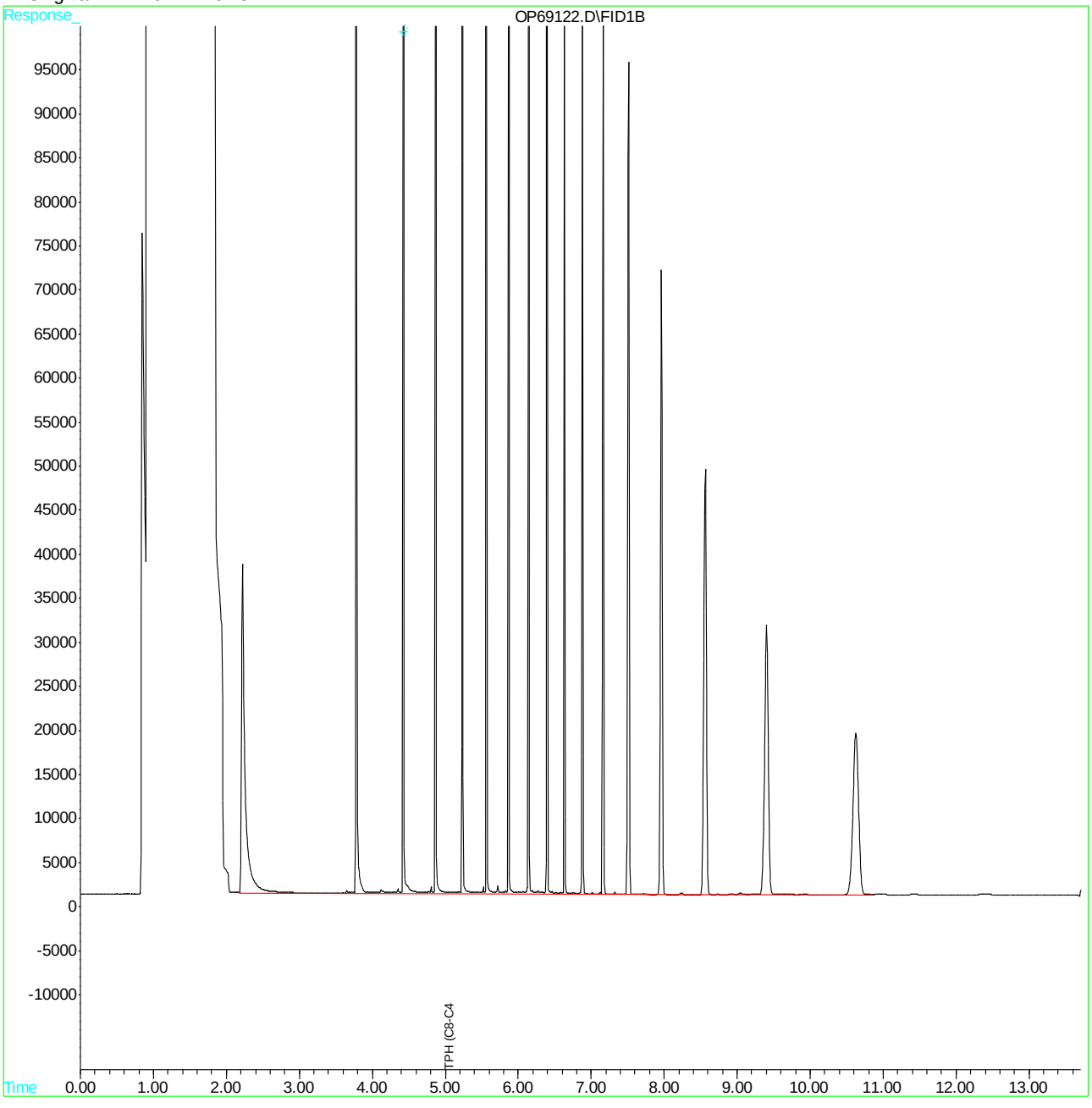
```
-----------------------------------------------------------------------------
(f)=RT Delta > 1/2 Window                                (m)=manual int.
OP69122.D  FL_PRO_R.M      Thu Jan 18 10:23:09 2007
```

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0117PRO\OP69122.D Vial: 13
Acq On : 17 Jan 2007 1:46 pm Operator: fouads
Sample : icv1844-1020 Inst : FID 2
Misc : op19171,gop1844,1040,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Jan 17 14:08 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Jan 17 13:40:51 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69933.D          Vial: 34
Acq On    : 13 Feb 2007  11:24 pm                   Operator: fouads
Sample    : cc1844-1020                             Inst    : FID 2
Misc      : op19476,gop1856,1000,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14  7:30 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.71	1366368	62.487 PPM
Spiked Amount 50.000	Range 38 - 122	Recovery = 124.97%#	
Target Compounds			
2) H TPH (C8-C40)	5.06	21288339	1038.040 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

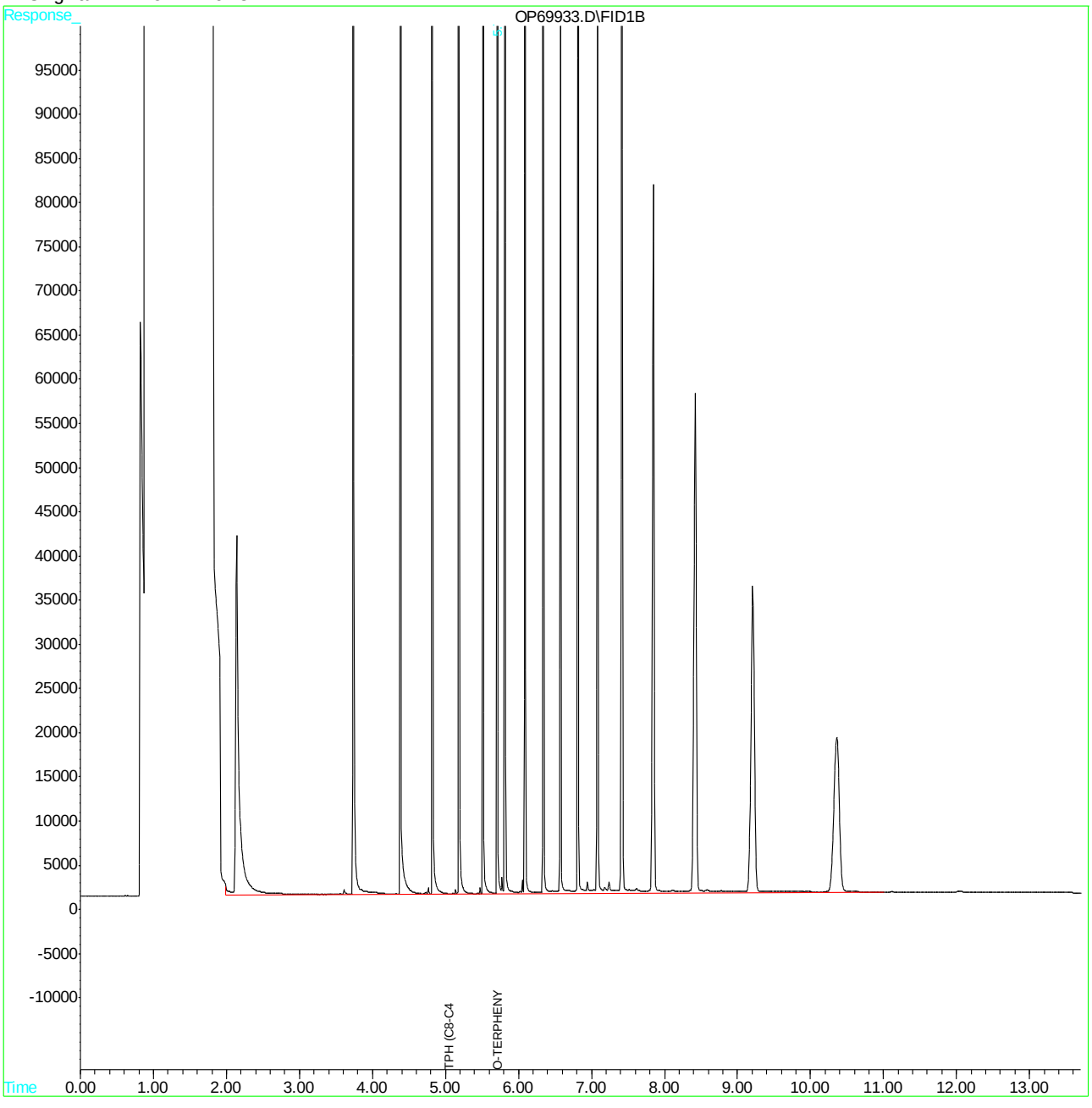
OP69933.D FL_PRO_R.M Wed Feb 14 09:49:12 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0213PRO\OP69933.D Vial: 34
Acq On : 13 Feb 2007 11:24 pm Operator: fouads
Sample : cc1844-1020 Inst : FID 2
Misc : op19476,gop1856,1000,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 7:30 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69945.D          Vial: 34
Acq On    : 14 Feb 2007   3:55 am                   Operator: fouads
Sample    : cc1844-1020                             Inst    : FID 2
Misc      : op19488,gop1856,1050,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14  7:30 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.71	1414265	64.677 PPM
Spiked Amount 50.000	Range 38 - 122	Recovery = 129.35%#	
Target Compounds			
2) H TPH (C8-C40)	5.06	22249800	1084.921 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

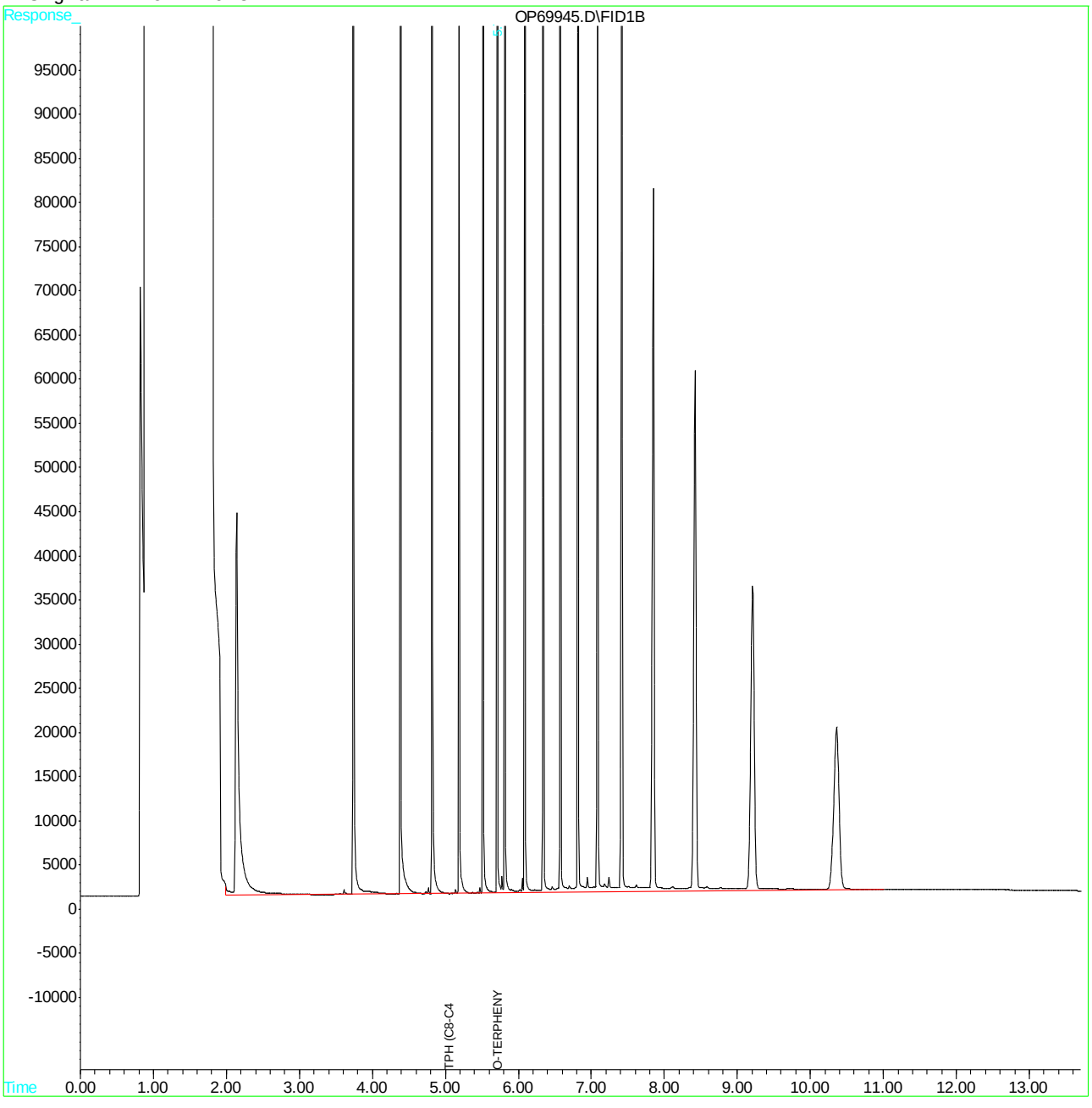
OP69945.D FL_PRO_R.M Wed Feb 14 09:49:36 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0213PRO\OP69945.D Vial: 34
Acq On : 14 Feb 2007 3:55 am Operator: fouads
Sample : cc1844-1020 Inst : FID 2
Misc : op19488,gop1856,1050,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 7:30 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69957.D          Vial: 34
Acq On    : 14 Feb 2007   8:27 am                   Operator: fouads
Sample    : cc1844-1020                             Inst    : FID 2
Misc      : op19488,gop1856,1040,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14 10:54 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.71	1468806	67.171 PPM
Spiked Amount 50.000	Range 38 - 122	Recovery = 134.34%#	
Target Compounds			
2) H TPH (C8-C40)	5.06	22809610	1112.218 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

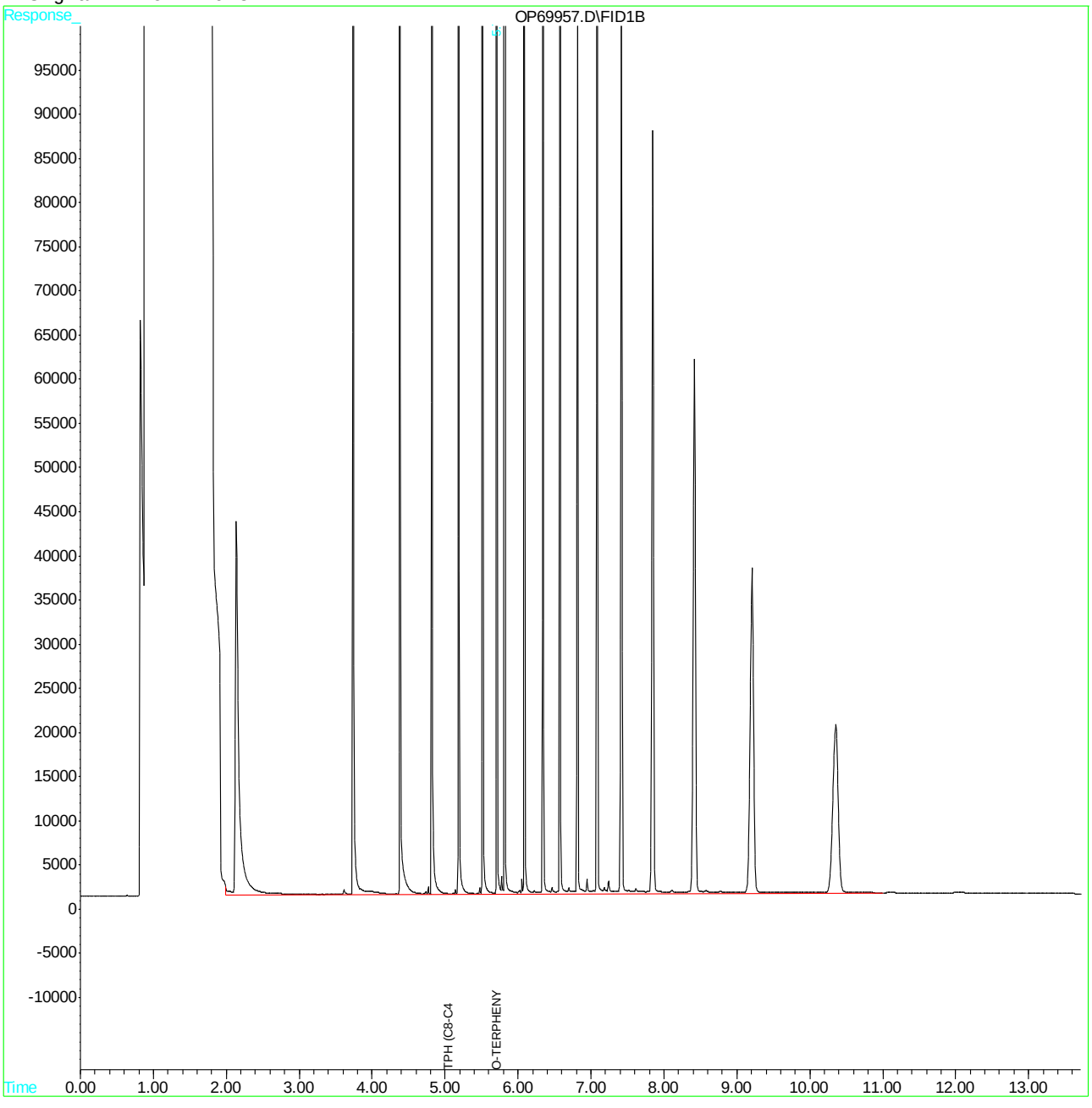
OP69957.D FL_PRO_R.M Wed Feb 14 13:34:14 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0213PRO\OP69957.D Vial: 34
Acq On : 14 Feb 2007 8:27 am Operator: fouads
Sample : cc1844-1020 Inst : FID 2
Misc : op19488,gop1856,1040,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 10:54 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



Quantitation Report (QT Reviewed)

```
Data File : C:\HPCHEM\2\DATA\0213PRO\OP69967.D          Vial: 34
Acq On    : 14 Feb 2007  12:14 pm                   Operator: fouads
Sample    : cc1844-1020                             Inst    : FID 2
Misc      : op19488,gop1856,1000,,,1,1,water        Multiplr: 1.00
IntFile   : events.e
Quant Time: Feb 14 14:33 2007  Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Feb 07 10:34:05 2007
Response via : Initial Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj.  : 1uL
Signal Phase : DB-5
Signal Info  : 0.32mm ID
```

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S O-TERPHENYL	5.71	1491974	68.231 PPM
Spiked Amount 50.000	Range 38 - 122	Recovery = 136.46%#	
Target Compounds			
2) H TPH (C8-C40)	5.06	22953936	1119.256 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

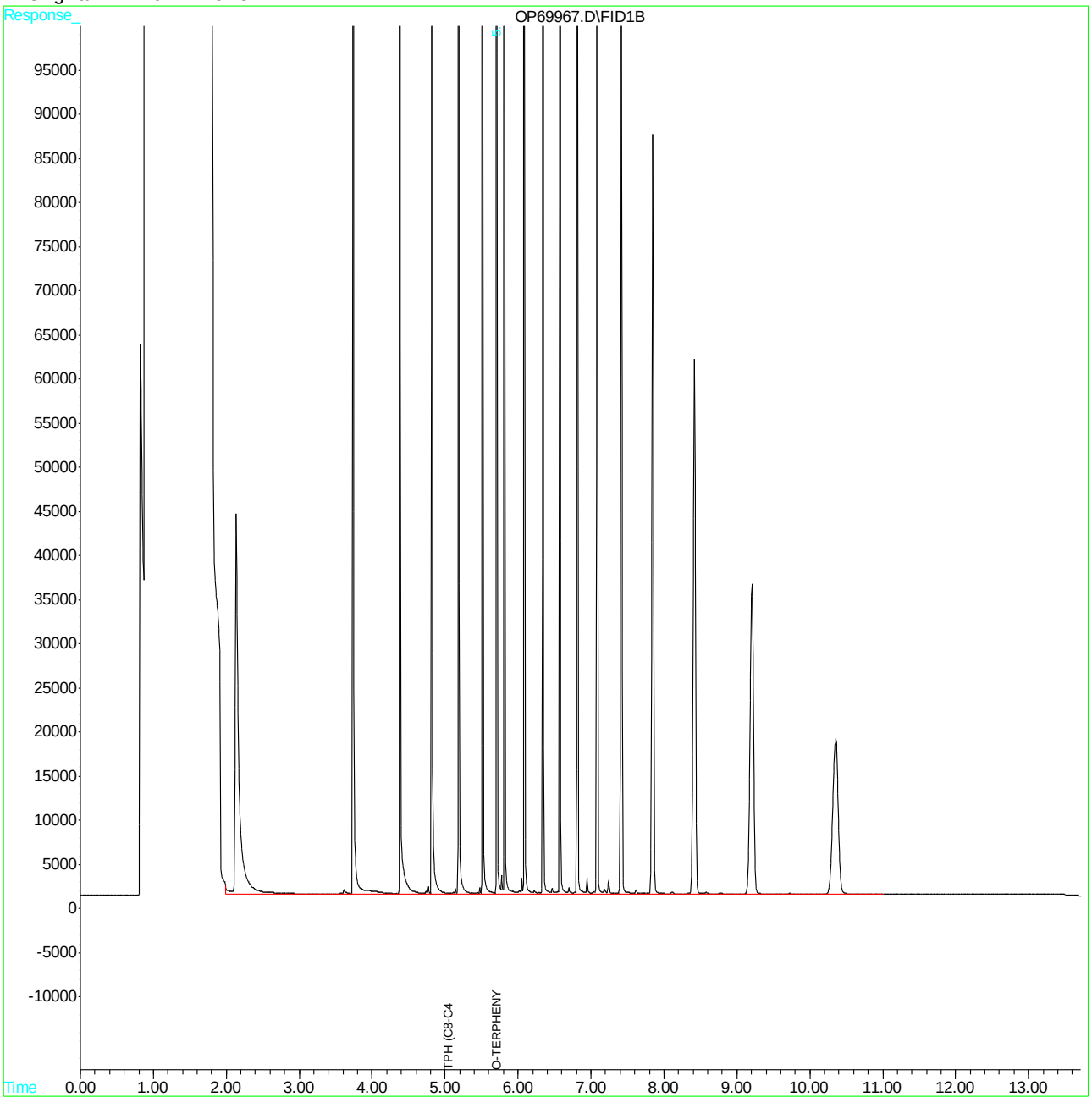
OP69967.D FL_PRO_R.M Wed Feb 14 14:42:05 2007

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\2\DATA\0213PRO\OP69967.D Vial: 34
Acq On : 14 Feb 2007 12:14 pm Operator: fouads
Sample : cc1844-1020 Inst : FID 2
Misc : op19488,gop1856,1000,,,1,1,water Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 14 14:33 2007 Quant Results File: FL_PRO_R.RES

Quant Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Feb 07 10:34:05 2007
Response via : Multiple Level Calibration
DataAcq Meth : FL_PRO_R.M

Volume Inj. : 1uL
Signal Phase : DB-5
Signal Info : 0.32mm ID



HPLC2-EE ANALYSIS LOG

DATE: 9/1/06	METHODS:* 8310 / 610	ANALYST: [illegible]
COLUMN TYPE: Pinnacle PAH	METHOD FILE: 8310-32R	RUN BATCH: GEE 1620
INSTRUMENT: HPLC2-EE	CALIB. DATE: ~~[illegible]~~ 9/1/06	AMOUNT INJECTED: 10 ul

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	RR	COMMENTS
EE 042453	1	CC1620-75	8310					3.4	—	R.T
EE 54	2	solvent							—	ND
EE 55	3	IC1620-0.4		S2420				100	—	—
EE 56	4	↓ -2.0		↓				20	—	—
EE 57	5	↓ -10		↓				4	—	—
EE 58	6	ICC1620-20		↓				2	—	—
EE 59	7	ICC1620-40		↓				1	—	—
EE 60	8	↓ -75		S2446				3.4	—	—
EE 61	9	↓ -100		↓				1	—	— pass
EE 62	10	ICV1620-40		E2095				1	X	Rerun
EE 63	11	↓ -40		E2109				1	—	—
EE 64	12	STD						—	—	check STD
EE 65	13	op17708-MB		W	op17708	1000	1	1	—	—
EE 66	14	F43214-13		↓	↓	1030	↓	8	—	—
EE 67	15	↓ -14				↓		1	—	—
EE 68	16	F43213-4				1010		1	—	—
EE 69	17	↓ -5			↓	1030		4	—	—
EE 70	18	op17715-BS			op17715	1000		1	—	—
EE 71	19	↓ -MB			↓	1000		↓	—	ND
EE 72	20	F43186-2				1040			—	—
EE 73	21	↓ -3		↓	↓	↓	↓	↓	—	—
EE 74	6	CC1620-20		S2420				2	—	pass
EE 75	1	CCB							—	ND
EE 76	22	F43186-1		W	op17715	1030	1	1	—	—
EE 77	23	op17715-MS	↓	↓	↓	520	↓	↓	—	—

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil

Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [illegible]

* For NELAC purposes, Method 610 includes analytes by SOP GC007 and Method 8310 includes analytes by SOP GC018

HPLC2-EE ANALYSIS LOG

DATE: 9/1/06	METHODS:* 8310/610	ANALYST: [illegible]
COLUMN TYPE: Pinnacle PAH	METHOD FILE: 8310-32R1	RUN BATCH: GEE 1620
INSTRUMENT: HPLC2-EE	CALIB. DATE: [illegible] 9/1/06	AMOUNT INJECTED: 10 ul

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	RR	COMMENTS
EE 042478	24	OP17715-MSD	8310	W	OP17715	520	1	1	—	—
EE 79	25	F43186-4				1040			—	— ND
EE 80	26	-5							—	✓
EE 81	27	-6							—	—
EE 82	28	-7							—	ND
EE 83	29	-8							—	ND
EE 84	6	CC1620.20		S2420				2	—	PASS
EE 85	1	CCB							—	ND
EE 86	30	F43191-1		W	OP17715	1030	1	1	—	ND
EE 87	31	-2				1040			—	—
EE 88	32	-3				1050			—	ND
EE 89	33	-4				1040			—	
EE 90	34	-5				1030			—	
EE 91	35	-6							—	
EE 92	36	-7				1000			—	
EE 93	37	-8				1020			—	
EE 94	38	-9		d	d	1040			—	RR CF, low SURR, NO SAMP
EE 95	86	EC1620.20		S2420				2	—	PASS
EE 96										
EE 97										
EE										
EE										
EE										
EE										
EE										

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil

Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [illegible]

* For NELAC purposes, Method 610 includes analytes by SOP GC007 and Method 8310 includes analytes by SOP GC018

ACCUTEST LABORATORIES SE

DATE:	02-19-07
COLUMN TYPE:	Pinnacle PAH
AMOUNT INJECTED:	10 ul
INSTRUMENT:	HPLC2-EE

HPLC2-EE ANALYSIS LOG

METHODS*:	8310
METHOD FILE:	8310-32R
CALIB. DATE:	09-01-06
RUN BATCH:	GEE 1733

ANALYST:	[illegible]
ACETONITRILE LOT #:	136812
MEOH LOT #:	—
HEAD PRESSURE:	110

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
EE046241	1	Solvent	8310						
EE 42	2	CC1620-10		S2541				4	PASS
EE 43	4	OP19520 MB		W	OP19520	1000	1	1	ND
EE 44	5	F47127-1CF				1040			—
EE 45	6	F47127-4CF				1040			ND
EE 46	7	F47127-5CF				1040			
EE 47	8	OP19508-BS		W	OP19508	1000	1		—
EE 48	9	OP19508-MB				1000			ND
EE 49	10	F47078-1				1040			
EE 50	11	F47078-2				1040			
EE 51	12	F47078-3				1020			
EE 52	13	F47078-4				1040			
EE 53	3	CC1620-20		S2541				4	PASS
EE 54	1	CCB							ND
EE 55	14	F47081-1		W	OP19508	1020	1	1	—
EE 56	15	F47081-2				1020			ND
EE 57	16	F47081-3				960			—
EE 58	17	F47081-4				1030			—
EE 59	18	F47081-5				1010			ND
EE 60	19	OP19508-MS				~~1020~~ 300			—
EE 61	20	OP19508-MSD				500			—
EE 62	21	F47081-6				1020			ND
EE 63	22	F47081-7				1020			—
EE 64	23	F47081-8				1010			ND
EE 65	3	CC1620-20		S2541				4	PASS

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil

Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [illegible]

* For NELAC purposes, Method 610 includes analytes by SOP GC007 and Method 8310 includes analytes by SOP GC018

HPLC2_EE_log.xls NF rev. 11/06

ACCUTEST LABORATORIES SE

DATE:	02-19-07
COLUMN TYPE:	Pinnacle PAH
AMOUNT INJECTED:	10 ul
INSTRUMENT:	HPLC2-EE

HPLC2-EE ANALYSIS LOG

METHODS*:	8310
METHOD FILE:	8310_32R
CALIB. DATE:	09-01-06
RUN BATCH:	GEE 1733

ANALYST:	MG
ACETONITRILE LOT #:	136812
MEOH LOT #:	—
HEAD PRESSURE:	110

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
EE 046266	1	CCB	8310	—	—	—	—	—	ND
EE 67	24	F47082-1	↓	W	0819508	1020	1	1	↓
EE 68	25	F47084-1	↓	↓	↓	1050	↓	↓	↓
EE 69	26	F47084-2	↓	↓	↓	1050	↓	↓	↓
EE 70	27	F47084-3	↓	↓	↓	1050	↓	↓	ND
EE 71	28	F47084-4	↓	↓	↓	1040	↓	↓	↓
EE 72	29	F47084-5	↓	↓	↓	1040	↓	↓	↓
EE 73	30	F47084-6	↓	↓	↓	1040	↓	↓	↓
EE 74	3	ECC1620-20	↓	S2541	—	—	—	4	PASS
EE									
EE									
EE									
EE									
EE									
EE									
EE									
EE									
EE									
EE									
EE									
EE									
EE									
EE									
EE									
EE									
EE									

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil

Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: MG

* For NELAC purposes, Method 610 includes analytes by SOP GC007 and Method 8310 includes analytes by SOP GC018

HPLC2_EE_log.xls NF rev. 11/06

ACCUTEST LABORATORIES SE

DATE:	1/8/07
COLUMN TYPE:	OB-5
AMOUNT INJECTED:	1 ul
INSTRUMENT:	FID1-IJ

GC FID1-IJ ANALYSIS LOG

METHODS:	FI Pro
METHOD FILE:	FI_Pro_F.m
CALIB. DATE:	1/8/07
RUN BATCH:	GIJ 1527

ANALYST:	AC
MECL2 LOT #:	C40467
SIGNAL 1 SURR. AREA:	1741683
SIGNAL 2 SURR. AREA:	N/A

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
IJ 36041	1	blank	FI Pro						OK BOL
IJ 42	2	ic1527-255		52514				75:500	ok
IJ 43	3	-340						100:500	ok
IJ 44	4	-680						200:500	ok
IJ 45	5	icc1527-1020						300:500	ok
IJ 46	6	ic1527-1360						400:500	ok
IJ 47	7	-1700						1	ok
IJ 48	8	-2125		33600				4	ok
IJ 49	9	-4250						2	ok
IJ 36050	10	icv1527-1020		34008				60:500	pass
IJ 51	1	Solvent Blank							BOL
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									

AC 1/8/07

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil
Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: Adam Cayle

GCFID1_IJ_log.xls NF rev. 11/06

ACCUTEST LABORATORIES SE

DATE: 02/14/07
COLUMN TYPE: DB-5
AMOUNT INJECTED: 1 ul
INSTRUMENT: FID1-IJ

GC FID1-IJ ANALYSIS LOG

METHODS: FLPRO
METHOD FILE: FLPRO-FM
CALIB. DATE: 01/08/07
RUN BATCH: GIJ 1544

ANALYST: F.S
MECL2 LOT #: C49 466
SIGNAL 1 SURR. AREA: 29415247
SIGNAL 2 SURR. AREA:

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
IJ 36971	1	Blank	FLPRO						ok
IJ 72	2	cc1527-1020		S2536				300:500	PASS
IJ 73	3	-340						100:500	PASS
IJ 74	4	solvent blank							BDL
IJ 75	5	op19488-mB		W	op19488	1000	1.0ml	x1	BDL
IJ 76	6	F47081-1						x5	—
IJ 77	7	-2						x1	—
IJ 78	8	-7						x5	—
IJ 79	9	op19501-BS		W	op19501	1000		x1	—
IJ 80	10	-mB				1000		x1	BDL
IJ 81	11	F47122-1			op19501	1050		x4	—
IJ 82	12	-2				1050		x1	BDL
IJ 83	13	op19501-MS				520		x1	—
IJ 84	14	-msd				520		x1	—
IJ 85	2	cc1527-1020		S2536				300:500	PASS
IJ 86	4	ccb							BDL
IJ 87	15	F47122-3		W	op19501	1050	1.0ml	x1	BDL
IJ 88	16	-4						x1	BDL
IJ 89	17	-5						x1	BDL
IJ 90	18	F47127-1						x1	—
IJ 91	19	-2						x1	—
IJ 92	20	-3						x1	—
IJ 93	21	-4						x1	—
IJ 94	22	-5						x1	—
IJ 95	23	F47165-1						x1	—

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil
Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [signature]

GCFID1_IJ_log.xls NF rev. 11/06

Instrument Run Log GIJ1544 page 1 of 3
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ACCUTEST Laboratories
F47081
8.6.4
8

ACCUTEST LABORATORIES SE

DATE:	02/14/07
COLUMN TYPE:	DB-5
AMOUNT INJECTED:	1 ul
INSTRUMENT:	FID1-IJ

GC FID1-IJ ANALYSIS LOG

METHODS:	FLPRO
METHOD FILE:	FLPRO - FM
CALIB. DATE:	01/08/07
RUN BATCH: GIJ	1544

ANALYST:	F.S
MECL2 LOT #:	C49466
SIGNAL 1 SURR. AREA:	29415247
SIGNAL 2 SURR. AREA:	

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
IJ 96	24	F47165-2	FLPRO	W	op19501	1050	1.0ml	x1	—
IJ 97	2	cc1527-1020		S2536	—	—	—	300:500	PASS
IJ 98	4	ccb		—	—	—	—	—	BDL
IJ 99	25	F47165-3		W	op19501	1040	1.0ml	x1	—
IJ 37000	26	-4						x1	—
IJ 01	27	-5						x1	—
IJ 02	28	-6						x1	—
IJ 03	29	-7				1030		x1	—
IJ 04	30	-8				1040		x1	—
IJ 05	31	-9				1050		x1	—
IJ 06	32	E2249-Test		—	—	—	—	—	NOT OK
IJ 07	33	cc1527-1020		S2536	—	—	—	300:500	PASS
IJ 08	34	ccb		—	—	—	—	—	BDL
IJ 09	35	op19509-BS		S	op19509	30.0	1.0ml	x1	—
IJ 10	36	mB				30.0		x1	BDL
IJ 11	37	F47179-1				30.2		x1	—
IJ 12	38	F47164-1				30.2		x1	—
IJ 13	39	op19509-MS				30.2		x1	—
IJ 14	40	-Msd				30.7		x1	—
IJ 15	41	F47077-1				30.4		x1	BDL
IJ 16	42	-2				30.3		x1	BDL
IJ 17	43	F47090-1				30.5		x1	BDL
IJ 18	44	-2				30.2		x1	BDL
IJ 19	33	cc1527-1020		S2536	—	—	—	300:500	PASS
IJ 20	34	ccb		—	—	—	—	—	BDL

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil

Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: fouad

GCFID1_IJ_log.xls NF rev. 11/06

ACCUTEST LABORATORIES SE

DATE:	02/14/07
COLUMN TYPE:	DB-5
AMOUNT INJECTED:	1 ul
INSTRUMENT:	FID1-IJ

GC FID1-IJ ANALYSIS LOG

METHODS:	FL PRO
METHOD FILE:	FL PRO - FM
CALIB. DATE:	01/08/07
RUN BATCH: GIJ	1544

ANALYST:	FS
MECL2 LOT #:	649 466
SIGNAL 1 SURR. AREA:	29415247
SIGNAL 2 SURR. AREA:	

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
IJ 21	45	F47090-3	FLPRO	S	op19503	30.6	1.0ml	x1	BDL
IJ 22	46	-4				30.0		x1	✓
IJ 23	47	-5				30.0		x1	✓
IJ 24	48	-6				30.2		x1	BDL
IJ 25	49	F47095-1				30.0		x1	✓
IJ 26	50	-2				30.1		x1	BDL
IJ 27	51	-3				30.0		x1	✓
IJ 28	52	F47105-1				30.9		x1	✓
IJ 29	53	-2				30.2		x1	BDL
IJ 30	54	F47129-1				30.0		x1	✓
IJ 31	33	CC1527-1020		52536				300:500	PASS
IJ 32	34	CCb							BDL
IJ 33	55	F47129-2		S	op19509	30.2	1ml	x1	✓
IJ 34	56	-3				30.5		x1	✓
IJ 35	33	CC1527-1020		52536				300:500	PASS
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									
IJ									

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil

Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: Fouad

GCFID1_IJ_log.xls NF rev. 11/06

ACCUTEST LABORATORIES SE

DATE: 01/17/07
COLUMN TYPE: DB-5
AMOUNT INJECTED: 1 ul
INSTRUMENT: FID2-OP

GC FID2-OP ANALYSIS LOG

METHODS: FLPRO
METHOD FILE: FLPRO-RM
CALIB. DATE: 1/17/07
RUN BATCH: GOP 1844

ANALYST: FS
MECL2 LOT #: C34H10
SIGNAL 1 SURR. AREA: 21557076
SIGNAL 2 SURR. AREA:

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
		ICC 1844							
OP 69 110	1	~~ICC1832~~ -255	FLPRO	$2520				75:500	
OP 11	2	~~ICC1832~~ -340						100:500	
OP 12	3	ICC1844-680						200:500	
OP 13	4	ICC1844 -1020						300:500	
OP 14	5	-1360						400:500	
OP 15	6	-1700						500:500	
OP 16	7	-2125		3360 E				125:500	Curve PASS
OP 17	8	-4250						250:500	
OP 18	9	ICV 1832-1020		3400 D				60:500	
OP 19	10	solvent Blank							
OP 20	11	~~ICC1832~~ ICC1844 -1360		$2520				400:500	
OP 21	12	solvent Blank							
OP 22	13	~~ICV1832~~ ICC1844 -1020		3400 D				60:500	
OP 23	14	solvent Blank							BDL
OP 24	15	op19171-MB		W	op19171	1000	1.0 ml	x1	BDL
OP 25	16	F46561-7				1040		x1	—
OP 26	17	F46563-1						x1	—
OP 27	18	-2						x2	—
OP 28	19	-4						x1	—
OP 29	20	op19165-MB		W	op19165	1000		x1	BDL
OP 30	21	F46467-3				1040		x20	—
OP 31	22	op19173-MB		S	op19173	30.0		x1	BDL
OP 32	23	F46512-1				31.6		x400	—
OP 33	24	514-1				30.0		x1	—
OP 34	25	cc1844-1020		$2520				300:500	PASS

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil
Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: fan-ad

GCFID2_OP_log.xls NF rev. 11/06

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GC FID2-OP ANALYSIS LOG

DATE: 01/17/07	METHODS: FLPRO	ANALYST: FS
COLUMN TYPE: DB-5	METHOD FILE: FLPRO-RM	MECL2 LOT #: C34H10
AMOUNT INJECTED: 1 ul	CALIB. DATE: 01/17/07	SIGNAL 1 SURR. AREA: 2155076
INSTRUMENT: FID2-OP	RUN BATCH: GOP 1844	SIGNAL 2 SURR. AREA:

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
OP 69135	26	ccb	FLPRO						BDL
OP 36	27	op19169-BS		W	op19169	1000	1.0 ml	x1	—
OP 37	28	-MB				1000		x1	BDL
OP 38	29	F46437-5				1050		x4	—
OP 39	30	-6				1040		x1	BDL
OP 40	31	F46463-1				1040		x1	—
OP 41	32	F46463-2				1040		x1	BDL
OP 42	33	-3				1040		x1	—
OP 43	34	F46464-1				1050		x5	—
OP 44	35	-2				1030		x5	—
OP 45	25	cc1844-1020		S2520				300:500	PASS
OP 46	26	ccb							BDL
OP 47	36	F46464-3		W	op19169	1050	1.0 ml	x5	—
OP 48	37	op19169-MS				520		x2	—
OP 49	38	-MSD				520		x2	—
OP 50	39	F46478-1				990		x1	—
OP 51	40	-2				1050		x1	Rerun at 5x
OP 52	41	-3						x1	BDL
OP 53	42	-4						x1	—
OP 54	43	-5						x1	—
OP 55	44	-6						x1	BDL
OP 56	45	F46514-3				1050		x1	BDL
OP 57	46	cc1844-1020		S2520				300:500	PASS
OP 58	47	ccb							BDL
OP 59	48	F46514-4		W	op19169	1050	1.0 ml	x1	BDL

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil

Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [signature]

GCFID2_OP_log.xls NF rev. 11/06

ACCUTEST LABORATORIES SE

DATE:	01/17/07
COLUMN TYPE:	DB-5
AMOUNT INJECTED:	1 ul
INSTRUMENT:	FID2-OP

GC FID2-OP ANALYSIS LOG

METHODS:	FLPRO
METHOD FILE:	FLPRO-RM
CALIB. DATE:	01/17/07
RUN BATCH:	GOP 1844

ANALYST:	FS
MECL2 LOT #:	C34 H10
SIGNAL 1 SURR. AREA:	2155 7076
SIGNAL 2 SURR. AREA:	

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
OP 69160	49	F46514-5	FLPRO	W	OP19169	1010	1.0ml	x1	BDL
OP 61	50	F46517-11	↓	S	OP19173	31.0	↓	x4	↓
OP 62	51	-12	↓	↓	↓	31.2	↓	x5	↓
OP 63	52	F46561-3	↓	↓	↓	29.5	↓	x1	↓
OP 64	46	ecc1844-1020	↓	52520				300:500	PASS
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									

FS 01-18-07

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil
Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: Fouad

GCFID2_OP_log.xls NF rev. 11/06

ACCUTEST LABORATORIES SE

DATE: 02/13/07
COLUMN TYPE: DB-5
AMOUNT INJECTED: 1 ul
INSTRUMENT: FID2-OP

GC FID2-OP ANALYSIS LOG

METHODS: FLPRO
METHOD FILE: FLPRO-RM
CALIB. DATE: 01/17/07
RUN BATCH: GOP 1856

ANALYST: F.S
MECL2 LOT #: 249466
SIGNAL 1 SURR. AREA: 3046 9728
SIGNAL 2 SURR. AREA:

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
OP 69896	1	Blank	FLPRO						OK
OP 97	2	CC1844-1020		S2536				300:500	PASS
OP 98	3	-340		↓				100:500	PASS
OP 99	4	solvent Blank							BDL
OP 900	5	op19467-mB		W	op19467	1000	1.0ml	x1	BDL
OP 01	6	F47129-6		↓	↓	1000		x1	Low surr 2nd Time ⇒ RETRACT
OP 02	7	op19474-mB		S	op19474	30.0		x1	BDL
OP 03	8	F47058-8		↓	↓	30.8		x1	—
OP 04	9	op19476-BS		W	op19476	1000		x1	—
OP 05	10	-mB				1000		x1	BDL
OP 06	11	F47031-1				1000		x1	—
OP 07	12	-2				1000		x4	Rerun at 40X
OP 08	13	-3				1030		x1	Rerun at 4X
OP 09	14	-4		↓	↓	1000	↓	x1	—
OP 10	2	CC1844-1020		S2536				300:500	PASS
OP 11	4	ccb							BDL
OP 12	15	F47031-5		W	op19476	1000	1.0ml	x1	—
OP 13	16	-6				1010		x1	—
OP 14	17	-7				1000		x1	—
OP 15	18	-8				1000		x1	BDL
OP 16	19	-9				1000		x1	BDL
OP 17	20	-2				1000		x40	—
OP 18	21	-3				1030		x4	—
OP 19	22	F47033-2				1000		x10	Rerun at 2X
OP 20	23	op19476-MS	↓	↓	↓	500	↓	x8	Rerun at 1X

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil
Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: Fouad

ACCUTEST LABORATORIES SE

DATE:	02/13/07
COLUMN TYPE:	DB-5
AMOUNT INJECTED:	1 ul
INSTRUMENT:	FID2-OP

GC FID2-OP ANALYSIS LOG

METHODS:	FLPRO
METHOD FILE:	FLPRO-RM
CALIB. DATE:	01/17/07
RUN BATCH: GOP	1856

ANALYST:	FS
MECL2 LOT #:	C49466
SIGNAL 1 SURR. AREA:	20469728
SIGNAL 2 SURR. AREA:	

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
OP 69921	24	op19476-Msd	FLPRO	W	op19476	500	1.0ml	x8	Rerun
OP 22	2	cc1844-1020		S2536				300:500	PASS
OP 23	4	ccb							BDL
OP 24	25	F47073-4		W	op19476	1000	1.0ml	x10	Rerun at 4x
OP 25	26	F47072-1				1000		x1	—
OP 26	27	F47080-1				1000		x1	Rerun at 10x
OP 27	28	-2				1000		x1	BDL
OP 28	29	-3				1040		x1	BDL
OP 29	30	-4				1040		x1	BDL
OP 30	31	-5				1030		x1	Rerun at 10x
OP 31	32	F47033-1				1000		x10	possible co, Rerun at 5x
OP 32	33	-3				1000		x1	BDL
OP 33	34	cc1844-1020		S2536				300:500	PASS
OP 34	35	ccb							BDL
OP 35	36	op19488-bs		W	op19488	1000	1.0ml	x1	—
OP 36	37	-mB				1000		x1	BDL
OP 37	38	F47028-1				1010		x1	BDL
OP 38	39	op19488-MS				510		x1	02/14/07 FS ~~BDL~~ —
OP 39	40	-Msd				510		x1	—
OP 40	41	F47028-2				1050		x1	—
OP 41	42	-3				1050		x1	—
OP 42	43	-4				1050		x1	—
OP 43	44	-5				1050		x1	—
OP 44	45	-6				1050		x1	—
OP 45	34	cc1844-1020		S2536				300:500	PASS

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil
Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: [signature]

GCFID2_OP_log.xls NF rev. 11/06

ACCUTEST LABORATORIES SE

DATE: 02/13/07
COLUMN TYPE: DB-5
AMOUNT INJECTED: 1 ul
INSTRUMENT: FID2-OP

GC FID2-OP ANALYSIS LOG

METHODS: FL PRO
METHOD FILE: FL PRO-RM
CALIB. DATE: 01/17/07
RUN BATCH: GOP 1856

ANALYST: FS
MECL2 LOT #: C49466
SIGNAL 1 SURR. AREA: 20469728
SIGNAL 2 SURR. AREA:

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
OP 69946	35	ccb	FLPRO						BDL
OP 47	46	F47028-7		W	OP19488	1050	1.0ml	x1	
OP 48	47	F47078-1				1040		x1	BDL
OP 49	48	-2				1040		x1	BDL
OP 50	49	-3				1030		x1	BDL
OP 51	50	-4				1040		x1	BDL
OP 52	51	F47081-1				1010		x1	Rerun at 5x
OP 53	52	-2				1020		x1	Rerun possible co
OP 54	53	-3				770		x1	
OP 55	54	-4				1030		x1	
OP 56	55	-5				1040		x1	BDL
OP 57	34	cc1844-1020		S2536				300:500	PASS
OP 58	35	ccb							BDL
OP 59	56	F47081-6		W	OP19488	1020	1.0ml	x1	BDL
OP 60	57	-7				1040		x1	Rerun at 5x
OP 61	58	-8				1000		x1	BDL
OP 62	59	cc1331							BDL
OP 63	60	34							BDL
OP 64	61	35							QC Bolts, BDL
OP 65	62	37							BDL
OP 66	63	39							BDL
OP 67	34	cc1844-1020		S2536				300:500	PASS
OP 68	3	cc1844-340						100:500	PASS
OP 69	35	Solvent Blank							BDL
OP 70	64	F47033-2		W	OP19476	1000	1.0ml	x2	

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil
Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: fsmad

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ACCUTEST LABORATORIES SE

DATE: 02/13/07
COLUMN TYPE: DB-5
AMOUNT INJECTED: 1 ul
INSTRUMENT: FID2-OP

GC FID2-OP ANALYSIS LOG

METHODS: FLPRO
METHOD FILE: FLPRO-RM
CALIB. DATE: 01/17/07
RUN BATCH: GOP 1856

ANALYST: FS
MECL2 LOT #: C49 466
SIGNAL 1 SURR. AREA: 2046 9728
SIGNAL 2 SURR. AREA:

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	MATRIX	OP BATCH	INITIAL AMOUNT	FINAL VOL	DILUTION FACTOR	COMMENTS
OP 69 9 71	65	op 18476-MS	FLPRO	W	op19476	500	1.0ml	x1	✓
OP 72	66	-MSD	↓	↓	↓	500	↓	x1	✓
OP 73	67	F47033-1	↓	↓	↓	1000	↓	x5	✓
OP 74	68	-4	↓	↓	↓	1000	↓	x4	✓
OP 75	69	F47080-1	↓	↓	↓	1000	↓	x5	✓
OP 76	70	-5	↓	↓	↓	1030	↓	x5	✓
OP 77	74	CCC1844-1020	↓	52536	—	—	—	300:500	PASS
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									
OP									

02/15/07 FS

Matrix: Designate "W" for Water, "S" for Soil, and "O" for Oil
Sample Amount: Initial Sample Weight (g) or Volume (ml) / Final Volume (ml)

Analyst's Signature: Fouad

GCFID2_OP_log.xls NF rev. 11/06

LIQUID SAMPLE PREP REPORT

Date: 2/13/07 Analytical Method: FLPRO Batch#: OP19488

Prep Method: 3510C 3535A 3580A or Method Analyst: EM/MEG/PC

Sample ID	Bottle Number	Amount Extracted (ml)	Initial pH	Adjusted pH	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
OP 19488 MB	X	1000	6	<2	0.5mL		1.0mL	
OP 19488 BS	X	1000	6	↓	↓	0.5mL	↓	
F47078-1	6	1040	<2	N/A	↓	↓	↓	
-2	6	1040	↓	↓	↓	↓	↓	
-3	6	1030	↓	↓	↓	↓	↓	
-4	6	1040	↓	↓	↓	↓	↓	
F47081-1	7	1010	↓	↓	↓	↓	↓	
-2	8	1020	↓	↓	↓	↓	↓	emulsion ↓
-3	6	770	↓	↓	↓	↓	↓	very heavy emulsion
-4	8	1030	↓	↓	↓	↓	↓	
-5	8	1040	↓	↓	↓	↓	↓	
-6	7	1020	↓	↓	↓	↓	↓	
-7	7	1040	↓	↓	↓	↓	↓	
-8	8	1000	↓	↓	↓	↓	↓	
F47028-1	19	1010	↓	↓	↓	↓	↓	MS/MSD, emulsion
-2	8	1050	↓	↓	↓	↓	↓	
-3	8	1050	↓	↓	↓	↓	↓	
-4	8	1050	↓	↓	↓	↓	↓	
-5	8	1050	↓	↓	↓	↓	↓	
-6	8	1050	↓	↓	↓	↓	↓	
-7	8	1050	↓	↓	↓	↓	↓	
								JPJ 02-13-07
F47028-1 MS	23	510	<2	N/A	0.5mL	0.5mL	1.0mL	emulsion
↓ MSD	↓	↓	↓	↓	↓	↓	↓	
DUP								

Comments:

EMPC Surrogate ID: E22309 Conc: 100ppm Exp. Date: 7/23/07 Bath Temp.: 45°C

EMPC Spike ID: E2240 Conc: 100ppm Exp. Date: 8/7/07 Bath Temp2.: /

CH2CL2 Lot # C5/477 Hexane Lot # / Na2SO4 Lot# /

Acetonitrile Lot # / Methanol Lot # / Acetone Lot# /

Reagent # / Reagent # 052779 silica gel Reagent # Sulfuric Acid 6248

Relinquished By: Jared R. Johnson Date: 02-13-07

Accepted By: [illegible] Date: 02-13-07

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LIQUID SAMPLE PREP REPORT

Date: 02-14-07 Analytical Method: 8310 Batch#: OP19508

Prep Method: 3510C 3535A 3580A or Method Analyst: MGA, EM, PC

Sample ID	Bottle Number	Amount Extracted (ml)	Initial pH	Adjusted pH	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
OP19508MB	X	1000	6	N/A	0.5mL		1.0ml	
OP19508 BS	X	1000	6	N/A	0.5mL	0.5mL		Added NaCl
F47078-1	5	1040	6	N/A	0.5mL			
-2	5	1040						
-3	5	1020						
-4	5	1040						
F47081-1	5	1020						emulsion
-2	6	1020						
-3	5	960						emulsion
-4	6	1030						
-5	6	1010						MS/MSD
-6	6	1020						
-7	6	1020						
-8	6	1010						
F47082-1	5	1020						
F47084-1	6	1050						
-2	5	1050						
-3	5	1050						
-4	6	1040						
-5	5	1040						
-6	5	1050						
F47081-5 MS	5	500	6	N/A	0.5mL	0.5mL		
MSD	5	500	6	N/A	0.5mL	0.5mL		
DUP								

2/14/07

Comments:

EMPC Surrogate ID: E22136 Conc: 40ppm Exp. Date: 06-04-07 Bath Temp.: 45°C

EMPC Spike ID: E2215 Conc: 40/20ppm Exp. Date: 07-04-07 Bath Temp2.: 55°C

CH2CL2 Lot # C51477 Hexane Lot # — Na2SO4 Lot# —

Acetonitrile Lot # C38805 Methanol Lot # — Acetone Lot# —

Reagent # 066007 NaCl Reagent # — Reagent # —

Relinquished By: Date: 02/14/07

Accepted By: fon ad Date: 02/14/07

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