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DATA SUMMARY FOR GROUNDWATER INVESTIGATION SOUTH OF EW-12 AND EW-13 (FEBRUARY 2006) OPERABLE UNIT NO. 2 (GROUNDWATER) FORMER NEBRASKA ORDNANCE PLANT (NOP) MEAD, NEBRASKA CONTRACT NO. DACW41-03-D-0001 TASK ORDER 002

Prepared for
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List of Abbreviations, Acronyms, and Terms

bgs	below ground surface
CENWK	U.S. Army Corps of Engineers, Kansas City District
CF	Calibration Factor
CV	Calibration Variation
%D	Percent Differences
1,1-DCA	1,1-Dichloroethane
cis-1,2-DCE	cis 1,2-dichloroethene
2,6-DNT	2,6-Dinitrotoluene
EW	Extraction Well
FS	Feasibility Study
ft	Feet
ft/day	Feet Per Day
GC/MS	Gas Chromatography/Mass Spectrometry
ICAL	Initial Calibration
J	Estimated
LCS	Laboratory Control Samples
LCSD	Laboratory Control Sample Duplicate
MS	Matrix Spike
MSD	Matrix Spike Duplicate
MW	Monitoring Well
NOP	Nebraska Ordnance Plant
QAPP	Quality Assurance Project Plan
QC	Quality Control
R	Qualified as Unusable
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine
RF	Response Factor
RI	Remedial Investigation
ROD	Record of Decision
RPD	Relative Percent Difference
%RSD	Percent Relative Standard Deviation
SAP	Sampling and Analysis Plan
TCE	Trichloroethene
TO	Task Order
trans 1,2-DCE	trans 1,2-dichloroethene
URS	URS Group, Inc.
USACE	U.S. Army Corps of Engineers
VOC	Volatile Organic Compound
µg/L	Microgram Per Liter

This report summarizes the background, sampling activities and analytical results for the Groundwater Investigation completed south of EW-12 and EW-13 at the former Nebraska Ordnance Plant (NOP) site near Mead, Nebraska. Field activities and reporting were completed by URS Group, Inc. (URS) under Task Order (TO) No. 002 of the U.S. Army Corps of Engineers (USACE) Kansas City District (CENWK) Contract No. DACW41-03-D-0001.

1.1 PURPOSE

The purpose of this investigation was to provide the data necessary to delineate the extent of volatile organic compound (VOC) contamination south of EW-12 and EW-13 prior to the initial operation of the extraction wells. Limited explosives sampling and analysis was also completed to confirm the absence of explosives contamination in the area as indicated by previous groundwater sampling.

1.2 REPORT ORGANIZATION

Section 1 presents the introduction, purpose and background related to the Groundwater Investigation completed south of EW-12 and EW-13.

Section 2 describes the field activities that were completed.

Section 3 presents the geology and hydrogeologic site conditions that exist in the vicinity of the investigation area.

Section 4 presents the data quality review following data validation.

Section 5 discusses the analytical results of the investigation.

Section 6 presents a summary of the investigation.

Section 7 presents the references cited in this document.

Tables, figures and appendices cited in the text are presented after Section 7, and color flysheets delineate these items. A list of acronyms and abbreviations which are used in the text appears immediately after the table of contents in the front of this document.

1.3 BACKGROUND

The former NOP was a load, assemble, and pack facility that produced bombs, boosters, and shells. A general site location map is presented on **Figure 1-1**. A more detailed description of the Site background and history has been included in a number of previous documents and the reader is referred to these for additional information. These include:

- Remedial Investigation Report (RI) (Woodward-Clyde, 1993)
- Feasibility Study (FS) Report (Woodward-Clyde, 1995a)
- Proposed Plan (Woodward-Clyde, 1995b)
- Record of Decision (ROD) (Woodward-Clyde, 1996a)

Extraction wells EW-12 and EW-13 were installed south of Load Line 1 to capture VOC contamination originating from Load Line 1.

The Groundwater Investigation completed south of EW-12 and EW-13 was conducted by URS between January 30 and February 10, 2006. All fieldwork was performed in general accordance with the Draft Final Sampling and Analysis Plan (SAP) (URS, 2005), as amended by the work plan addendum submitted in January 2006. The following field activities were completed:

- Sample locations were staked and utility clearances were initiated on January 30, 2006, prior to intrusive activities.
- Direct push samples were collected from all 21 planned locations between February 3 and February 10, 2006.
- Four depth intervals (25, 45, 65, and 85 feet or refusal bgs) were sampled at each direct-push groundwater sampling location.

Plains Environmental Services of Salina, Kansas provided the direct-push services and on-site gas chromatography/mass spectrometry (GC/MS). On-site VOC analysis included:

- Trichloroethene (TCE)
- 1,1-Dichloroethane (1,1-DCA)
- Trans-1,2-dichloroethene (trans-1,2-DCE)
- Cis-1,2-dichloroethene (cis-1,2-DCE)
- Methylene Chloride
- 1,2-Dichloropropane

EMAX Laboratories, Inc., of Torrance, California, provided the off-site laboratory analysis for the explosives samples and the VOC confirmation samples.

JEO Consulting of Wahoo, Nebraska surveyed all the direct-push sampling locations. Survey data is presented in **Appendix A**.

Work plan deviations to minimize silt smearing and right-of-entry are described below. Deviations were discussed with CENWK prior to implementation.

- The work plan specified a single push, bottom-up approach to sampling, in which the deepest interval was sampled first and then the screen pulled up incrementally to collect the remaining intervals from the deepest to the shallowest. In an attempt to minimize the impact of silt smearing, the order in which the intervals were sampled at a given location was changed to reduce the potential for silt to become smeared on the direct-push screen. Such smearing was observed to cause low yields at intervals that were otherwise high yielding. In general, three separate pushes were required to collect the necessary samples. The following table lists the order in which samples were collected and the number of direct-push operations performed at each location:

Location	Sample Collection Order	Total Number of Pushes
GP-109	45, 25, 65, 83	3
GP-110	45, 25, 65, 85	3
GP-111	45, 25, 65, 85	3
GP-112	45, 25, 65, 85	3
GP-113	45, 25, 65, 82	3
GP-114	45, 25, 65, 85	3
GP-115	45, 25, 65, 82	3
GP-116	45, 25, 65, 85	3
GP-117	45, 25, 65, 79	3
GP-118	45, 25, 65, 83	3
GP-119	45, 25, 65, 82	3
GP-120	45, 25, 65, 85	3
GP-121	45, 25, 65, 85	3
GP-122	45, 25, 65, 85	3
GP-123	25, 45, 65, 85	4
GP-124	45, 25, 81, 65	2
GP-125	45, 25, 65, 85	3
GP-126	65, 45, 25, 82	2
GP-127	83, 65, 45, 25	1
GP-128	85, 65, 45, 25	1
GP-129	84, 65, 45, 25	1

- At intervals with extremely low yields (after implementing the above sequence change), samples were collected after the tubing had been flushed by purging one tubing volume of water, which was less than one gallon. For these low yielding intervals, it was determined that such a deviation was preferred over collecting no data at all. The following is a list of samples for which less than one gallon of water was purged prior to sampling: GPL-111-085, GPL-124 -065, GPL-124-081, GPL-126-045, GPL-127-045 and GPL-129-065.
- Locations GP-127, GP-128 and GP-129 were moved approximately 20 feet north due to delays in obtaining right-of-entry from the landowner.
- Sample GPF-120-085 was inadvertently omitted from GC/MS analysis by the subcontractor, therefore no data are available for this sample.

3.1 HYDROGEOLOGIC SETTING

The investigation area is located within the Todd Valley, which is an abandoned channel of the ancestral Platte River. Most of the valley consists of a terrace plain, but the floodplain of Silver and Wahoo creeks follows the south side of the valley. The Todd Valley deposits consist of Quaternary sand and gravels overlain by loess. In the Silver Creek floodplain alluvial silts overlie interbedded sands and gravels.

Although the Todd Valley Aquifer is unconfined to the north, in the study area the Peoria Loess, which ranges from 11 to 20 feet thick according to nearby monitoring well boring logs, forms a confining layer in the study area. Alluvial silts form the confining layer in the portion of the study area within the Silver Creek floodplain.

The Todd Valley Aquifer in the study area is confined and the saturated thickness of the aquifer is controlled by the bedrock erosional surface at its base and the Peoria Loess or Silver Creek alluvial silts at the top. The saturated thickness of the aquifer ranges from approximately 62 feet to 73 feet. The groundwater flow direction in the Todd Valley is southeast, along the trend of the valley (Woodward-Clyde, 1996b), with a flow direction ranging between South 40 to 45 degrees East. Groundwater discharges to the Platte Valley Aquifer at the eastern end of Todd Valley, and along Silver Creek in the southwest portion of the former NOP (Woodward-Clyde, 1996b). Hydraulic conductivity estimates for the Todd Valley aquifer throughout the Site range from approximately 90 feet per day (ft/day) to 400 ft/day. These estimates were obtained from the long term pump test analysis of the hydraulic containment wells, presented in Attachment 2-5 of the Initial Containment Evaluation (URS, 2002).

About half of the Omadi Formation underlying the study area consists of poorly to well-cemented sandstone. The uppermost facies in the study area is typically sandstone, but to the northwest, the uppermost facies is shale. According to Souder (1967), the Omadi Formation ranges from 0 to 490 feet thick in Saunders County.

Limestones and shales of the Pennsylvanian Age lie beneath the Omadi Formation.

A data quality review was performed as specified in the Quality Assurance Project Plan (QAPP) Part II of the Sampling and Analysis Plan (SAP) (URS, 2005) to ensure that quality control (QC) criteria specified in Appendix A of the QAPP had been achieved. During the Groundwater Investigation completed south of EW-12 and EW-13, 32 investigative groundwater samples, three field duplicate samples, eight rinsate samples and three trip blank samples were collected and sent for off-site analysis by EMAX Laboratories, Inc. of Torrance, California. The samples were analyzed for explosives using SW-846 Method 8330 and VOCs using SW-846 Method 8260B. The data review included a review of the laboratory's case narrative, cooler receipt form, chain of custody, method blanks, LCS and laboratory control sample duplicates (LCSD) recoveries, surrogate compound recoveries, MS/MSD recoveries and relative percent differences (RPDs). Additionally, 10 percent of the data underwent a data validation. The validation included the elements of the data review as well as the initial calibration, calibration verification, internal standards and instrument tuning. The data were reviewed and validated using the CENWK-EC-EF Data Quality Evaluation Guidance (July 11, 2001).

If the QC criteria were not met, the first step was to check whether the laboratory performed the corrective actions specified in Appendix A of the QAPP (URS, 2005). If the corrective actions were not performed, the associated results were qualified as unusable (**R**). If the corrective actions were performed but the QC criteria were still not met, the associated results were qualified as estimated (**J**) for detected analytes and quantitation limit estimated (**UJ**) for non-detected analytes. If the corrective actions were performed and the QC criteria actions were then met, the associated results were not qualified.

4.1 OVERALL DATA ASSESSMENT

Based on the criteria outlined, all data have met the specific data requirements and should be accepted for their intended use. Sufficient (initial analysis and reanalysis) data of acceptable quality exists for each sampling location for every parameter analyzed. The data required some qualification as identified in **Table 4-1**; however, the usability of the data was not adversely impacted.

No data were rejected.

The following sections summarize the project-related issues.

Note: The detections of target compounds bromodichloromethane, chloroform, and dibromochloromethane in the rinsate samples appear to be due to the water used for the rinsate sample collection. The compounds detected are indicative of treated water and were not detected in the samples collected just prior to the rinsate samples. A different water source will be used when collecting rinsate samples in the future. In addition, a sample of the water source will be collected, analyzed and presented in the final report for that future investigation.

Holding Times

All samples collected were extracted and/or analyzed within the prescribed holding times.

Calibrations

VOCs Analysis: An initial calibration (ICAL) was established to assess whether the instrument was capable of producing acceptable qualitative and quantitative data for VOC analyses. Based on the ICAL, no qualification of data was required. Review of calibration verifications (CVs)

was performed and indicated all response factors (RFs) met the evaluation criteria. In addition, percent differences (%Ds) met the evaluation criteria

Explosives Analysis: An initial calibration (ICAL) was established using five standard concentrations. A review of the ICAL data indicated the percent relative standard deviation (%RSD) for the calibration factors (CFs) of all analytes met the method criteria of less than 20% RSD. No qualification of data was required. Review of CV summary forms indicated that the %Ds for the CFs met the method evaluation criteria of < 15% for all compounds.

Blanks

Method blanks and preparation blanks were extracted and/or analyzed at the frequency of 1 per batch of 20 or less samples and/or every 12 hours. Trip blanks were shipped to the laboratory at the frequency of one for each cooler containing VOC samples. Trace amounts of bromodichloromethane, chloroform, acetone and dibromochloromethane were detected in some rinsate samples; however, all associated samples were nondetect. No qualification of data was required.

Internal Standards (VOCs Only)

Internal standards for all samples were within evaluation criteria. No qualification of data was required.

Surrogates

Surrogate recoveries for VOCs and explosives samples were within evaluation criteria. No qualification of data was required.

Laboratory Control Samples/Laboratory Control Sample Duplicates

LCS/LCSD samples were analyzed at the frequency of 1 per batch of no more than 20 samples. All recoveries and RPDs for the LCS/LCSDs met the evaluation criteria for explosives compounds. All LCS/LCSD recoveries for VOCs met evaluation criteria. No qualification of data was required. One acetone RPD was outside evaluation criteria. No corrective action was required since both the LCS/LCSD recoveries were within evaluation criteria.

Matrix Spike/Matrix Spike Duplicates

MS/MSD samples were analyzed at a frequency of one MS/MSD set for every 20 samples. MS/MSD recoveries and RPD values were within criteria. No qualification of data was required.

Field Duplicates

Three field duplicate samples pairs were collected and analyzed. Parent sample/duplicate pair RPDs were within evaluation criteria. No qualification of data was required.

Additional Qualifications

Explosives compounds detected that had a %D >40% between the primary column and confirmation column were qualified estimated (**J**).

5.1 RESULTS OF FIELD INVESTIGATION

The on-site data collected during the Groundwater Investigation were used to delineate the extent of VOC contamination south of EW-12 and EW-13 prior to the startup of the extraction wells and to confirm the absence of explosives contamination in the area. The TCE distribution in the aquifer was evaluated primarily by using the data collected during the investigation, however, the most recent monitoring well data as well as the data previously collected by ECC were used to supplement the characterization. **Figure 5-1** shows the TCE results of the on-site GC/MS field analysis and the horizontal extent of TCE contamination. **Figure 5-2** shows the results of off-site laboratory hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) analysis. The complete off-site analytical results are presented in **Appendix B**. On-site GC/MS results are presented in **Appendix C**. A summary of the detected compounds from the off-site laboratory analysis is presented in **Table 5-1**. The following briefly summarizes the detections of the on-site GC/MS analyses.

VOCs

TCE, cis-1,2-DCE and 1,2-Dichloropropane were the only VOCs detected.

Cis-1,2-DCE was detected in 1 of the 83 samples at a concentration of 4 micrograms per liter (µg/L).

1,2-Dichloropropane was detected in 1 of the 83 samples at a concentration of 2 µg/L.

TCE was detected in 24 of the 83 samples with concentrations ranging from 1 µg/L to 34 µg/L.

Explosives

2,6-Dinitrotoluene (2,6-DNT) was the only explosive compound detected during the investigation. 2,6-DNT was detected in 1 of the 24 explosives samples at a concentration of 2.6 µg/L.

The general objective to establish baseline conditions present south of extraction wells EW-12 and EW-13 prior to the start of their operations in February 2006, were completed during the January/February 2006 field activities.

CENWK-EC-EF Data Quality Evaluation Guidance (July, 2001)

ECC, 2005. Geoprobe Investigation Report, Load Line 1 Remedial Action, Operable Unit No. 2 (Groundwater), Former Nebraska Ordnance Plant, Mead, Nebraska. Draft Final. May.

Souder, V.L. 1967. Availability of Water in Eastern Saunders County, Nebraska. Hydrologic Investigations Atlas HA-266. Dept. of Interior, U.S. Geol. Survey in cooperation with Conservation and Survey Div. of the Univ. of Nebraska. Washington, D.C.

URS Group, Inc. (URS) 2002. Initial Containment Evaluation, Former Nebraska Ordnance Plant, Mead, Nebraska. Draft. Prepared for the U.S. Army Corps of Engineers, Kansas City District. Contract No. DACW41-96-D-8014. May.

URS Group, Inc. 2005. MW-85/Johnson Creek Vicinity Groundwater Investigation, Sampling and Analysis Plan, Former Nebraska Ordnance Plant, Mead, Nebraska. Draft Final. Prepared for the U.S. Army Corps of Engineers, Kansas City District. Contract No. DACW41-03-D-0001. September

Woodward-Clyde. 1993. Remedial Investigation Report, Operable Unit No. 2 (Groundwater). Former Nebraska Ordnance Plant. Mead, Nebraska. Prepared for the U.S. Army Corps of Engineers, Kansas City District. May.

Woodward-Clyde. 1995a. Feasibility Study Report, Operable Unit No. 2 (Groundwater) for Former Nebraska Ordnance Plant, Mead, Nebraska. Contract No. DACA41-92-C-0023. Prepared for the U.S. Army Corps of Engineers, Kansas City District. May.

Woodward-Clyde. 1995b. Proposed Plan, Operable Unit No. 2 (Groundwater) for Former Nebraska Ordnance Plant, Mead, Nebraska. Contract No. DACA41-92-C-0023. Prepared for the U.S. Army Corps of Engineers, Kansas City District. October.

Woodward-Clyde. 1996a. Record of Decision, Operable Unit No. 2, Former Nebraska Ordnance Plant Site, Mead, Nebraska. Contract No. DACA41-92-C-0023. Prepared for the U.S. Army Corps of Engineers, Kansas City District. October. Effective date April 7, 1997.

Woodward-Clyde. 1996b. Conceptual Groundwater Model Technical Memorandum, Operable Unit No. 2 (Groundwater), Former Nebraska Ordnance Plant, Mead, Nebraska. Draft. Contract No. DACA56-93-D-0018, Delivery Order No. 0023. Prepared for U.S. Army Corps of Engineers, Tulsa District. May.

Table 4-1
Data Qualifiers
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

SDG	Field ID	Analysis	Analyte	URS Qual.	Code	Comments
06B044	GPL-128-085	Explosives	2,6-DNT	**J**	CI	Confirmation %D > 40%
06B044	GPL-128-025-R	Explosives	4-Nitrotoluene	**J**	CI	Confirmation %D > 40%
06B044	GPL-123-085-R	Explosives	4-Nitrotoluene	**J**	CI	Confirmation %D > 40%
06B082						No Qualifications
06B098						No Qualifications

LH = LCS High
FD = Field Duplicate Out
PJ = Professional Judgement
CD = CV %D Outside Evaluation Criteria

Table 5-1
Summary of Off-Site Analytical Detections
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-113-045			GPL-115-045			GPL-215-045			GPL-118-083			GPL-123-045			GPL-126-065			GPL-128-085			GPL-129-045		
	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL
VOLATILES (UG/L)																								
Carbon disulfide		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)	0.42	J			NA			U	(1)
Toluene		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)		NA		0.26	J	
Trichloroethene (TCE)	36			32			29			0.3	J		8.3				U	(1)		NA		0.61	J	
EXPLOSIVES (UG/L)																								
2,6-Dinitrotoluene (2,6-DNT)		NA			U	(1)		U	(1)		U	(1)		U	(1)		NA		2.6	J			U	(1)

Column Header Notes:

Q = Qualifier

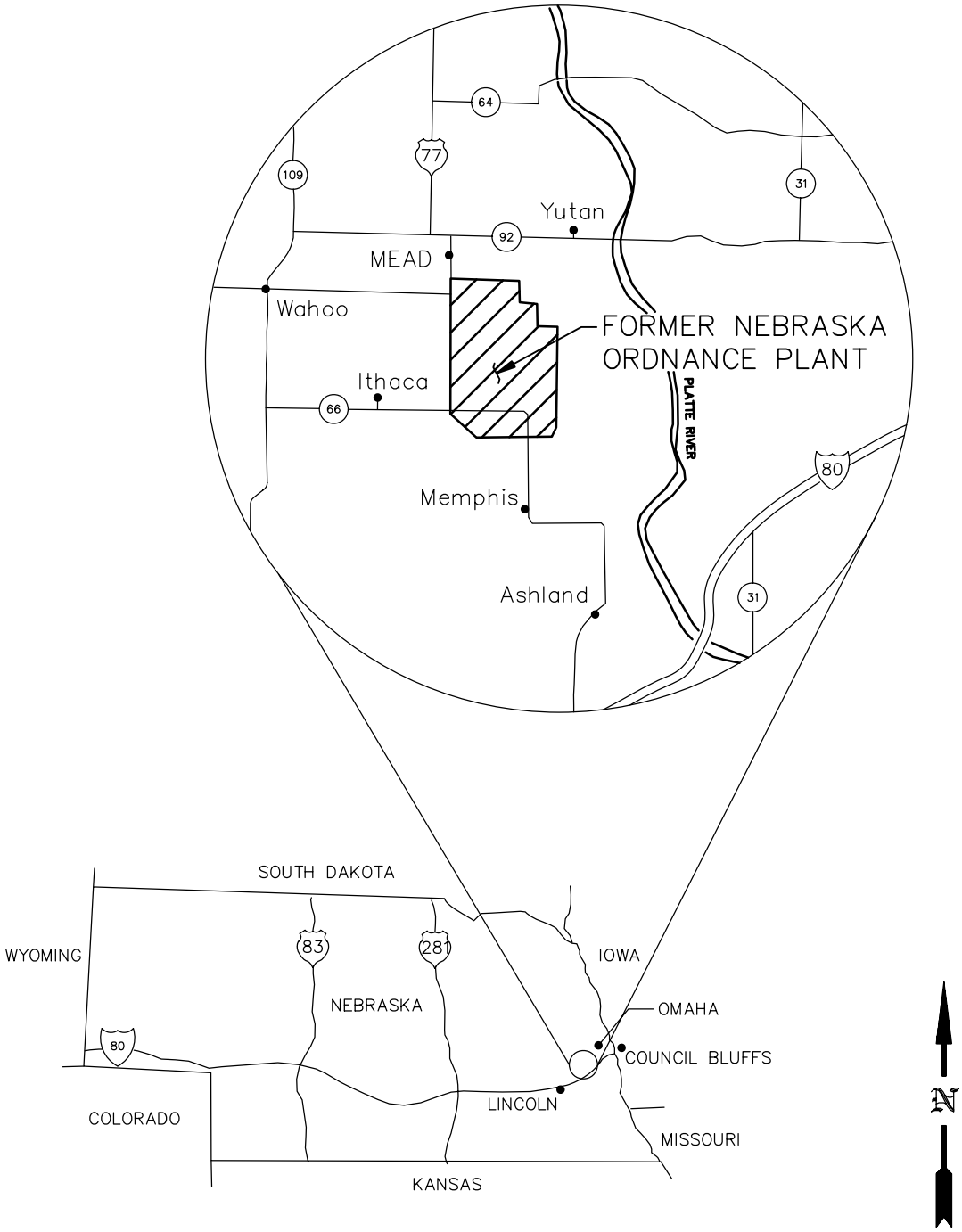
QL = Quantitation Limit

Qualifier Notes:

U = There is no detection for this compound at the given quantitation limit

J = Concentration is an estimated quantity

NA = Not Analyzed



URS Group Inc. 8300 College Boulevard, Suite 200 Overland Park, Kansas 66210		U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS KANSAS CITY, MISSOURI
Designed by: D.C.C.	U.S. Army Corps of Engineers	DRAFT GROUNDWATER INVESTIGATION SOUTH OF EW–12 AND EW–13 REPORT FMR NEBRASKA ORDNANCE PLANT – MEAD, NEBRASKA
Drawn by: R.A.D.		**GENERAL SITE LOCATION MAP**
Checked by: R.J.E	Scale: NONE	Figure number: 1 – 1
Submitted by: L.A.T.	Date: MARCH 2006	
	Dwg. No.: 1–1	

March 23, 2006 9:24.46 am (tms)
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MEAD ORDNANCE PLANT
SAUNDERS COUNTY, NEBRASKA
PROBE LOCATIONS FOR URS GROUP
HORIZONTAL DATUM: NEBRASKA STATE PLANE NAD 83 (1995 ADJUSTMENT)
VERTICAL DATUM: NAVD 88
February 24, 2006

BORING NAME	NORTHING	EASTING	ELEVATION (GROUND)
GP-109	492595.48	2610440.12	1105.36
GP-110	492617.04	2611127.59	1104.13
GP-111	492632.42	2611628.21	1105.87
GP-112	492447.41	2610157.66	1105.81
GP-113	492472.63	2610856.15	1103.87
GP-114	492492.64	2611422.79	1103.32
GP-115	492224.62	2610824.29	1104.45
GP-116	492289.59	2610579.55	1105.59
GP-117	492239.94	2611209.46	1103.19
GP-118	492036.60	2610808.42	1104.48
GP-119	492016.22	2611360.67	1103.82
GP-120	492124.08	2610403.69	1106.10
GP-121	491985.87	2610169.33	1105.53
GP-122	491897.78	2610705.39	1106.46
GP-123	491841.51	2611010.12	1104.95
GP-124	491860.03	2611329.89	1104.69
GP-125	491778.31	2610235.81	1105.24
GP-126	491738.69	2611496.91	1104.70
GP-127	491567.67	2610302.39	1106.98
GP-128	491577.18	2610777.19	1106.17
GP-129	491591.47	2611241.73	1103.95

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-111-045			GPL-113-045			GPL-115-025			GPL-115-045			GPL-215-045		
	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL
VOLATILES (UG/L)															
1,1,1,2-Tetrachloroethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,1,1-Trichloroethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,1,2,2-Tetrachloroethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,1,2-Trichloroethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,1-Dichloroethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,1-Dichloroethene		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,1-Dichloropropene		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,2,3-Trichlorobenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,2,4-Trichlorobenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,2,4-Trimethylbenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,2-Dibromoethane (Ethylene dibromide)		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,2-Dichlorobenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,2-Dichloroethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,2-Dichloropropane		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,3,5-Trimethylbenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,3-Dichlorobenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,3-Dichloropropane		U	(1)		U	(1)		NA			U	(1)		U	(1)
1,4-Dichlorobenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
2,2-Dichloropropane		U	(1)		U	(1)		NA			U	(1)		U	(1)
2-Butanone		U	(10)		U	(10)		NA			U	(10)		U	(10)
2-Chlorotoluene		U	(1)		U	(1)		NA			U	(1)		U	(1)
2-Hexanone		U	(10)		U	(10)		NA			U	(10)		U	(10)
4-Chlorotoluene		U	(1)		U	(1)		NA			U	(1)		U	(1)
4-Methyl-2-pentanone		U	(10)		U	(10)		NA			U	(10)		U	(10)
Acetone		U	(10)		U	(10)		NA			U	(10)		U	(10)
Benzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
Bromobenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
Bromochloromethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
Bromodichloromethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
Bromoform		U	(1)		U	(1)		NA			U	(1)		U	(1)
Bromomethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
Carbon disulfide		U	(1)		U	(1)		NA			U	(1)		U	(1)
Carbon tetrachloride		U	(1)		U	(1)		NA			U	(1)		U	(1)
Chlorobenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
Chloroethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
Chloroform		U	(1)		U	(1)		NA			U	(1)		U	(1)
Chloromethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
Dibromochloromethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
Dibromomethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
Dichlorodifluoromethane		U	(1)		U	(1)		NA			U	(1)		U	(1)
Ethylbenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
Hexachlorobutadiene		U	(1)		U	(1)		NA			U	(1)		U	(1)
Isopropylbenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
Meta- and Para-Xylene		U	(2)		U	(2)		NA			U	(2)		U	(2)
Methyl-t-Butyl Ether		U	(1)		U	(1)		NA			U	(1)		U	(1)
Methylene chloride		U	(1)		U	(1)		NA			U	(1)		U	(1)
Naphthalene		U	(2)		U	(2)		NA			U	(2)		U	(2)
Ortho-Xylene		U	(1)		U	(1)		NA			U	(1)		U	(1)
Styrene		U	(1)		U	(1)		NA			U	(1)		U	(1)
Tetrachloroethene		U	(1)		U	(1)		NA			U	(1)		U	(1)
Toluene		U	(1)		U	(1)		NA			U	(1)		U	(1)
Trichloroethene (TCE)		U	(1)	36				NA		32			29		
Vinyl chloride		U	(1)		U	(1)		NA			U	(1)		U	(1)
cis-1,2-Dichloroethene		U	(1)		U	(1)		NA			U	(1)		U	(1)
cis-1,3-Dichloropropene		U	(1)		U	(1)		NA			U	(1)		U	(1)
n-Butylbenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
n-Propylbenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
p-Isopropyltoluene		U	(1)		U	(1)		NA			U	(1)		U	(1)
sec-Butylbenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
tert-Butylbenzene		U	(1)		U	(1)		NA			U	(1)		U	(1)
trans-1,2-Dichloroethene		U	(1)		U	(1)		NA			U	(1)		U	(1)
trans-1,3-Dichloropropene		U	(1)		U	(1)		NA			U	(1)		U	(1)

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-111-045			GPL-113-045			GPL-115-025			GPL-115-045			GPL-215-045		
	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL
EXPLOSIVES (UG/L)															
1,3,5-Trinitrobenzene (1,3,5-TNB)		NA			NA			U	(1)		U	(1)		U	(1)
1,3-Dinitrobenzene (1,3-DNB)		NA			NA			U	(1)		U	(1)		U	(1)
2,4,6-Trinitrotoluene (2,4,6-TNT)		NA			NA			U	(1)		U	(1)		U	(1)
2,4-Dinitrotoluene (2,4-DNT)		NA			NA			U	(1)		U	(1)		U	(1)
2,6-Dinitrotoluene (2,6-DNT)		NA			NA			U	(1)		U	(1)		U	(1)
2-Amino-4,6-dinitrotoluene (2-Am-DNT)		NA			NA			U	(1)		U	(1)		U	(1)
2-Nitrotoluene (2-NT)		NA			NA			U	(1)		U	(1)		U	(1)
3-Nitrotoluene (3-NT)		NA			NA			U	(1)		U	(1)		U	(1)
4-Amino-2,6-dinitrotoluene (4-Am-DNT)		NA			NA			U	(1)		U	(1)		U	(1)
4-Nitrotoluene (4-NT)		NA			NA			U	(1)		U	(1)		U	(1)
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)		NA			NA			U	(1)		U	(1)		U	(1)
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)		NA			NA			U	(1)		U	(1)		U	(1)
Nitrobenzene (NB)		NA			NA			U	(1)		U	(1)		U	(1)
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)		NA			NA			U	(1)		U	(1)		U	(1)

Column Header Notes:

Q = Qualifier

QL = Quantitation Limit

Qualifier Notes:

U = There is no detection for this compound at the given quantitation limit

J = Concentration is an estimated quantity

NA = Not Analyzed

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-115-065			GPL-115-082			GPL-117-025			GPL-117-045			GPL-117-065		
	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL
VOLATILES (UG/L)															
1,1,1,2-Tetrachloroethane	NA			NA			NA			NA			NA		
1,1,1-Trichloroethane	NA			NA			NA			NA			NA		
1,1,2,2-Tetrachloroethane	NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	NA			NA			NA			NA			NA		
1,1-Dichloroethane	NA			NA			NA			NA			NA		
1,1-Dichloroethene	NA			NA			NA			NA			NA		
1,1-Dichloropropene	NA			NA			NA			NA			NA		
1,2,3-Trichlorobenzene	NA			NA			NA			NA			NA		
1,2,4-Trichlorobenzene	NA			NA			NA			NA			NA		
1,2,4-Trimethylbenzene	NA			NA			NA			NA			NA		
1,2-Dibromoethane (Ethylene dibromide)	NA			NA			NA			NA			NA		
1,2-Dichlorobenzene	NA			NA			NA			NA			NA		
1,2-Dichloroethane	NA			NA			NA			NA			NA		
1,2-Dichloropropane	NA			NA			NA			NA			NA		
1,3,5-Trimethylbenzene	NA			NA			NA			NA			NA		
1,3-Dichlorobenzene	NA			NA			NA			NA			NA		
1,3-Dichloropropane	NA			NA			NA			NA			NA		
1,4-Dichlorobenzene	NA			NA			NA			NA			NA		
2,2-Dichloropropane	NA			NA			NA			NA			NA		
2-Butanone	NA			NA			NA			NA			NA		
2-Chlorotoluene	NA			NA			NA			NA			NA		
2-Hexanone	NA			NA			NA			NA			NA		
4-Chlorotoluene	NA			NA			NA			NA			NA		
4-Methyl-2-pentanone	NA			NA			NA			NA			NA		
Acetone	NA			NA			NA			NA			NA		
Benzene	NA			NA			NA			NA			NA		
Bromobenzene	NA			NA			NA			NA			NA		
Bromochloromethane	NA			NA			NA			NA			NA		
Bromodichloromethane	NA			NA			NA			NA			NA		
Bromoform	NA			NA			NA			NA			NA		
Bromomethane	NA			NA			NA			NA			NA		
Carbon disulfide	NA			NA			NA			NA			NA		
Carbon tetrachloride	NA			NA			NA			NA			NA		
Chlorobenzene	NA			NA			NA			NA			NA		
Chloroethane	NA			NA			NA			NA			NA		
Chloroform	NA			NA			NA			NA			NA		
Chloromethane	NA			NA			NA			NA			NA		
Dibromochloromethane	NA			NA			NA			NA			NA		
Dibromomethane	NA			NA			NA			NA			NA		
Dichlorodifluoromethane	NA			NA			NA			NA			NA		
Ethylbenzene	NA			NA			NA			NA			NA		
Hexachlorobutadiene	NA			NA			NA			NA			NA		
Isopropylbenzene	NA			NA			NA			NA			NA		
Meta- and Para-Xylene	NA			NA			NA			NA			NA		
Methyl-t-Butyl Ether	NA			NA			NA			NA			NA		
Methylene chloride	NA			NA			NA			NA			NA		
Naphthalene	NA			NA			NA			NA			NA		
Ortho-Xylene	NA			NA			NA			NA			NA		
Styrene	NA			NA			NA			NA			NA		
Tetrachloroethene	NA			NA			NA			NA			NA		
Toluene	NA			NA			NA			NA			NA		
Trichloroethene (TCE)	NA			NA			NA			NA			NA		
Vinyl chloride	NA			NA			NA			NA			NA		
cis-1,2-Dichloroethene	NA			NA			NA			NA			NA		
cis-1,3-Dichloropropene	NA			NA			NA			NA			NA		
n-Butylbenzene	NA			NA			NA			NA			NA		
n-Propylbenzene	NA			NA			NA			NA			NA		
p-Isopropyltoluene	NA			NA			NA			NA			NA		
sec-Butylbenzene	NA			NA			NA			NA			NA		
tert-Butylbenzene	NA			NA			NA			NA			NA		
trans-1,2-Dichloroethene	NA			NA			NA			NA			NA		
trans-1,3-Dichloropropene	NA			NA			NA			NA			NA		

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-115-065			GPL-115-082			GPL-117-025			GPL-117-045			GPL-117-065		
	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL
EXPLOSIVES (UG/L)															
1,3,5-Trinitrobenzene (1,3,5-TNB)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
1,3-Dinitrobenzene (1,3-DNB)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2,4,6-Trinitrotoluene (2,4,6-TNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2,4-Dinitrotoluene (2,4-DNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2,6-Dinitrotoluene (2,6-DNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2-Amino-4,6-dinitrotoluene (2-Am-DNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2-Nitrotoluene (2-NT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
3-Nitrotoluene (3-NT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
4-Amino-2,6-dinitrotoluene (4-Am-DNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
4-Nitrotoluene (4-NT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
Nitrobenzene (NB)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)

Column Header Notes:

Q = Qualifier

QL = Quantitation Limit

Qualifier Notes:

U = There is no detection for this compound at the given quantitation limit

J = Concentration is an estimated quantity

NA = Not Analyzed

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-117-079			GPL-118-025			GPL-118-045			GPL-118-065			GPL-118-083		
	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL
VOLATILES (UG/L)															
1,1,1,2-Tetrachloroethane		NA			NA			NA			NA			U	(1)
1,1,1-Trichloroethane		NA			NA			NA			NA			U	(1)
1,1,2,2-Tetrachloroethane		NA			NA			NA			NA			U	(1)
1,1,2-Trichloroethane		NA			NA			NA			NA			U	(1)
1,1-Dichloroethane		NA			NA			NA			NA			U	(1)
1,1-Dichloroethene		NA			NA			NA			NA			U	(1)
1,1-Dichloropropene		NA			NA			NA			NA			U	(1)
1,2,3-Trichlorobenzene		NA			NA			NA			NA			U	(1)
1,2,4-Trichlorobenzene		NA			NA			NA			NA			U	(1)
1,2,4-Trimethylbenzene		NA			NA			NA			NA			U	(1)
1,2-Dibromoethane (Ethylene dibromide)		NA			NA			NA			NA			U	(1)
1,2-Dichlorobenzene		NA			NA			NA			NA			U	(1)
1,2-Dichloroethane		NA			NA			NA			NA			U	(1)
1,2-Dichloropropane		NA			NA			NA			NA			U	(1)
1,3,5-Trimethylbenzene		NA			NA			NA			NA			U	(1)
1,3-Dichlorobenzene		NA			NA			NA			NA			U	(1)
1,3-Dichloropropane		NA			NA			NA			NA			U	(1)
1,4-Dichlorobenzene		NA			NA			NA			NA			U	(1)
2,2-Dichloropropane		NA			NA			NA			NA			U	(1)
2-Butanone		NA			NA			NA			NA			U	(10)
2-Chlorotoluene		NA			NA			NA			NA			U	(1)
2-Hexanone		NA			NA			NA			NA			U	(10)
4-Chlorotoluene		NA			NA			NA			NA			U	(1)
4-Methyl-2-pentanone		NA			NA			NA			NA			U	(10)
Acetone		NA			NA			NA			NA			U	(10)
Benzene		NA			NA			NA			NA			U	(1)
Bromobenzene		NA			NA			NA			NA			U	(1)
Bromochloromethane		NA			NA			NA			NA			U	(1)
Bromodichloromethane		NA			NA			NA			NA			U	(1)
Bromoform		NA			NA			NA			NA			U	(1)
Bromomethane		NA			NA			NA			NA			U	(1)
Carbon disulfide		NA			NA			NA			NA			U	(1)
Carbon tetrachloride		NA			NA			NA			NA			U	(1)
Chlorobenzene		NA			NA			NA			NA			U	(1)
Chloroethane		NA			NA			NA			NA			U	(1)
Chloroform		NA			NA			NA			NA			U	(1)
Chloromethane		NA			NA			NA			NA			U	(1)
Dibromochloromethane		NA			NA			NA			NA			U	(1)
Dibromomethane		NA			NA			NA			NA			U	(1)
Dichlorodifluoromethane		NA			NA			NA			NA			U	(1)
Ethylbenzene		NA			NA			NA			NA			U	(1)
Hexachlorobutadiene		NA			NA			NA			NA			U	(1)
Isopropylbenzene		NA			NA			NA			NA			U	(1)
Meta- and Para-Xylene		NA			NA			NA			NA			U	(2)
Methyl-t-Butyl Ether		NA			NA			NA			NA			U	(1)
Methylene chloride		NA			NA			NA			NA			U	(1)
Naphthalene		NA			NA			NA			NA			U	(2)
Ortho-Xylene		NA			NA			NA			NA			U	(1)
Styrene		NA			NA			NA			NA			U	(1)
Tetrachloroethene		NA			NA			NA			NA			U	(1)
Toluene		NA			NA			NA			NA			U	(1)
Trichloroethene (TCE)		NA			NA			NA			NA		0.3	J	
Vinyl chloride		NA			NA			NA			NA			U	(1)
cis-1,2-Dichloroethene		NA			NA			NA			NA			U	(1)
cis-1,3-Dichloropropene		NA			NA			NA			NA			U	(1)
n-Butylbenzene		NA			NA			NA			NA			U	(1)
n-Propylbenzene		NA			NA			NA			NA			U	(1)
p-Isopropyltoluene		NA			NA			NA			NA			U	(1)
sec-Butylbenzene		NA			NA			NA			NA			U	(1)
tert-Butylbenzene		NA			NA			NA			NA			U	(1)
trans-1,2-Dichloroethene		NA			NA			NA			NA			U	(1)
trans-1,3-Dichloropropene		NA			NA			NA			NA			U	(1)

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-117-079			GPL-118-025			GPL-118-045			GPL-118-065			GPL-118-083		
	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL
EXPLOSIVES (UG/L)															
1,3,5-Trinitrobenzene (1,3,5-TNB)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
1,3-Dinitrobenzene (1,3-DNB)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2,4,6-Trinitrotoluene (2,4,6-TNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2,4-Dinitrotoluene (2,4-DNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2,6-Dinitrotoluene (2,6-DNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2-Amino-4,6-dinitrotoluene (2-Am-DNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2-Nitrotoluene (2-NT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
3-Nitrotoluene (3-NT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
4-Amino-2,6-dinitrotoluene (4-Am-DNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
4-Nitrotoluene (4-NT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
Nitrobenzene (NB)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)

Column Header Notes:

Q = Qualifier

QL = Quantitation Limit

Qualifier Notes:

U = There is no detection for this compound at the given quantitation limit

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NA = Not Analyzed

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-121-025			GPL-123-025			GPL-223-025			GPL-123-045			GPL-123-065		
	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL
VOLATILES (UG/L)															
1,1,1,2-Tetrachloroethane		U	(1)		NA			NA			U	(1)		NA	
1,1,1-Trichloroethane		U	(1)		NA			NA			U	(1)		NA	
1,1,2,2-Tetrachloroethane		U	(1)		NA			NA			U	(1)		NA	
1,1,2-Trichloroethane		U	(1)		NA			NA			U	(1)		NA	
1,1-Dichloroethane		U	(1)		NA			NA			U	(1)		NA	
1,1-Dichloroethene		U	(1)		NA			NA			U	(1)		NA	
1,1-Dichloropropene		U	(1)		NA			NA			U	(1)		NA	
1,2,3-Trichlorobenzene		U	(1)		NA			NA			U	(1)		NA	
1,2,4-Trichlorobenzene		U	(1)		NA			NA			U	(1)		NA	
1,2,4-Trimethylbenzene		U	(1)		NA			NA			U	(1)		NA	
1,2-Dibromoethane (Ethylene dibromide)		U	(1)		NA			NA			U	(1)		NA	
1,2-Dichlorobenzene		U	(1)		NA			NA			U	(1)		NA	
1,2-Dichloroethane		U	(1)		NA			NA			U	(1)		NA	
1,2-Dichloropropane		U	(1)		NA			NA			U	(1)		NA	
1,3,5-Trimethylbenzene		U	(1)		NA			NA			U	(1)		NA	
1,3-Dichlorobenzene		U	(1)		NA			NA			U	(1)		NA	
1,3-Dichloropropane		U	(1)		NA			NA			U	(1)		NA	
1,4-Dichlorobenzene		U	(1)		NA			NA			U	(1)		NA	
2,2-Dichloropropane		U	(1)		NA			NA			U	(1)		NA	
2-Butanone		U	(10)		NA			NA			U	(10)		NA	
2-Chlorotoluene		U	(1)		NA			NA			U	(1)		NA	
2-Hexanone		U	(10)		NA			NA			U	(10)		NA	
4-Chlorotoluene		U	(1)		NA			NA			U	(1)		NA	
4-Methyl-2-pentanone		U	(10)		NA			NA			U	(10)		NA	
Acetone		U	(10)		NA			NA			U	(10)		NA	
Benzene		U	(1)		NA			NA			U	(1)		NA	
Bromobenzene		U	(1)		NA			NA			U	(1)		NA	
Bromochloromethane		U	(1)		NA			NA			U	(1)		NA	
Bromodichloromethane		U	(1)		NA			NA			U	(1)		NA	
Bromoform		U	(1)		NA			NA			U	(1)		NA	
Bromomethane		U	(1)		NA			NA			U	(1)		NA	
Carbon disulfide		U	(1)		NA			NA			U	(1)		NA	
Carbon tetrachloride		U	(1)		NA			NA			U	(1)		NA	
Chlorobenzene		U	(1)		NA			NA			U	(1)		NA	
Chloroethane		U	(1)		NA			NA			U	(1)		NA	
Chloroform		U	(1)		NA			NA			U	(1)		NA	
Chloromethane		U	(1)		NA			NA			U	(1)		NA	
Dibromochloromethane		U	(1)		NA			NA			U	(1)		NA	
Dibromomethane		U	(1)		NA			NA			U	(1)		NA	
Dichlorodifluoromethane		U	(1)		NA			NA			U	(1)		NA	
Ethylbenzene		U	(1)		NA			NA			U	(1)		NA	
Hexachlorobutadiene		U	(1)		NA			NA			U	(1)		NA	
Isopropylbenzene		U	(1)		NA			NA			U	(1)		NA	
Meta- and Para-Xylene		U	(2)		NA			NA			U	(2)		NA	
Methyl-t-Butyl Ether		U	(1)		NA			NA			U	(1)		NA	
Methylene chloride		U	(1)		NA			NA			U	(1)		NA	
Naphthalene		U	(2)		NA			NA			U	(2)		NA	
Ortho-Xylene		U	(1)		NA			NA			U	(1)		NA	
Styrene		U	(1)		NA			NA			U	(1)		NA	
Tetrachloroethene		U	(1)		NA			NA			U	(1)		NA	
Toluene		U	(1)		NA			NA			U	(1)		NA	
Trichloroethene (TCE)		U	(1)		NA			NA		8.3				NA	
Vinyl chloride		U	(1)		NA			NA			U	(1)		NA	
cis-1,2-Dichloroethene		U	(1)		NA			NA			U	(1)		NA	
cis-1,3-Dichloropropene		U	(1)		NA			NA			U	(1)		NA	
n-Butylbenzene		U	(1)		NA			NA			U	(1)		NA	
n-Propylbenzene		U	(1)		NA			NA			U	(1)		NA	
p-Isopropyltoluene		U	(1)		NA			NA			U	(1)		NA	
sec-Butylbenzene		U	(1)		NA			NA			U	(1)		NA	
tert-Butylbenzene		U	(1)		NA			NA			U	(1)		NA	
trans-1,2-Dichloroethene		U	(1)		NA			NA			U	(1)		NA	
trans-1,3-Dichloropropene		U	(1)		NA			NA			U	(1)		NA	

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-121-025			GPL-123-025			GPL-223-025			GPL-123-045			GPL-123-065		
	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL
EXPLOSIVES (UG/L)															
1,3,5-Trinitrobenzene (1,3,5-TNB)		NA			U	(1)		U	(1)		U	(1)		U	(1)
1,3-Dinitrobenzene (1,3-DNB)		NA			U	(1)		U	(1)		U	(1)		U	(1)
2,4,6-Trinitrotoluene (2,4,6-TNT)		NA			U	(1)		U	(1)		U	(1)		U	(1)
2,4-Dinitrotoluene (2,4-DNT)		NA			U	(1)		U	(1)		U	(1)		U	(1)
2,6-Dinitrotoluene (2,6-DNT)		NA			U	(1)		U	(1)		U	(1)		U	(1)
2-Amino-4,6-dinitrotoluene (2-Am-DNT)		NA			U	(1)		U	(1)		U	(1)		U	(1)
2-Nitrotoluene (2-NT)		NA			U	(1)		U	(1)		U	(1)		U	(1)
3-Nitrotoluene (3-NT)		NA			U	(1)		U	(1)		U	(1)		U	(1)
4-Amino-2,6-dinitrotoluene (4-Am-DNT)		NA			U	(1)		U	(1)		U	(1)		U	(1)
4-Nitrotoluene (4-NT)		NA			U	(1)		U	(1)		U	(1)		U	(1)
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)		NA			U	(1)		U	(1)		U	(1)		U	(1)
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)		NA			U	(1)		U	(1)		U	(1)		U	(1)
Nitrobenzene (NB)		NA			U	(1)		U	(1)		U	(1)		U	(1)
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)		NA			U	(1)		U	(1)		U	(1)		U	(1)

Column Header Notes:

Q = Qualifier

QL = Quantitation Limit

Qualifier Notes:

U = There is no detection for this compound at the given quantitation limit

J = Concentration is an estimated quantity

NA = Not Analyzed

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-123-085			GPL-126-065			GPL-128-025			GPL-228-025			GPL-128-045		
	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL
VOLATILES (UG/L)															
1,1,1,2-Tetrachloroethane		NA			U	(1)		NA			NA			U	(1)
1,1,1-Trichloroethane		NA			U	(1)		NA			NA			U	(1)
1,1,2,2-Tetrachloroethane		NA			U	(1)		NA			NA			U	(1)
1,1,2-Trichloroethane		NA			U	(1)		NA			NA			U	(1)
1,1-Dichloroethane		NA			U	(1)		NA			NA			U	(1)
1,1-Dichloroethene		NA			U	(1)		NA			NA			U	(1)
1,1-Dichloropropene		NA			U	(1)		NA			NA			U	(1)
1,2,3-Trichlorobenzene		NA			U	(1)		NA			NA			U	(1)
1,2,4-Trichlorobenzene		NA			U	(1)		NA			NA			U	(1)
1,2,4-Trimethylbenzene		NA			U	(1)		NA			NA			U	(1)
1,2-Dibromoethane (Ethylene dibromide)		NA			U	(1)		NA			NA			U	(1)
1,2-Dichlorobenzene		NA			U	(1)		NA			NA			U	(1)
1,2-Dichloroethane		NA			U	(1)		NA			NA			U	(1)
1,2-Dichloropropane		NA			U	(1)		NA			NA			U	(1)
1,3,5-Trimethylbenzene		NA			U	(1)		NA			NA			U	(1)
1,3-Dichlorobenzene		NA			U	(1)		NA			NA			U	(1)
1,3-Dichloropropane		NA			U	(1)		NA			NA			U	(1)
1,4-Dichlorobenzene		NA			U	(1)		NA			NA			U	(1)
2,2-Dichloropropane		NA			U	(1)		NA			NA			U	(1)
2-Butanone		NA			U	(10)		NA			NA			U	(10)
2-Chlorotoluene		NA			U	(1)		NA			NA			U	(1)
2-Hexanone		NA			U	(10)		NA			NA			U	(10)
4-Chlorotoluene		NA			U	(1)		NA			NA			U	(1)
4-Methyl-2-pentanone		NA			U	(10)		NA			NA			U	(10)
Acetone		NA			U	(10)		NA			NA			U	(10)
Benzene		NA			U	(1)		NA			NA			U	(1)
Bromobenzene		NA			U	(1)		NA			NA			U	(1)
Bromochloromethane		NA			U	(1)		NA			NA			U	(1)
Bromodichloromethane		NA			U	(1)		NA			NA			U	(1)
Bromoform		NA			U	(1)		NA			NA			U	(1)
Bromomethane		NA			U	(1)		NA			NA			U	(1)
Carbon disulfide		NA		0.42	J			NA			NA			U	(1)
Carbon tetrachloride		NA			U	(1)		NA			NA			U	(1)
Chlorobenzene		NA			U	(1)		NA			NA			U	(1)
Chloroethane		NA			U	(1)		NA			NA			U	(1)
Chloroform		NA			U	(1)		NA			NA			U	(1)
Chloromethane		NA			U	(1)		NA			NA			U	(1)
Dibromochloromethane		NA			U	(1)		NA			NA			U	(1)
Dibromomethane		NA			U	(1)		NA			NA			U	(1)
Dichlorodifluoromethane		NA			U	(1)		NA			NA			U	(1)
Ethylbenzene		NA			U	(1)		NA			NA			U	(1)
Hexachlorobutadiene		NA			U	(1)		NA			NA			U	(1)
Isopropylbenzene		NA			U	(1)		NA			NA			U	(1)
Meta- and Para-Xylene		NA			U	(2)		NA			NA			U	(2)
Methyl-t-Butyl Ether		NA			U	(1)		NA			NA			U	(1)
Methylene chloride		NA			U	(1)		NA			NA			U	(1)
Naphthalene		NA			U	(2)		NA			NA			U	(2)
Ortho-Xylene		NA			U	(1)		NA			NA			U	(1)
Styrene		NA			U	(1)		NA			NA			U	(1)
Tetrachloroethene		NA			U	(1)		NA			NA			U	(1)
Toluene		NA			U	(1)		NA			NA			U	(1)
Trichloroethene (TCE)		NA			U	(1)		NA			NA			U	(1)
Vinyl chloride		NA			U	(1)		NA			NA			U	(1)
cis-1,2-Dichloroethene		NA			U	(1)		NA			NA			U	(1)
cis-1,3-Dichloropropene		NA			U	(1)		NA			NA			U	(1)
n-Butylbenzene		NA			U	(1)		NA			NA			U	(1)
n-Propylbenzene		NA			U	(1)		NA			NA			U	(1)
p-Isopropyltoluene		NA			U	(1)		NA			NA			U	(1)
sec-Butylbenzene		NA			U	(1)		NA			NA			U	(1)
tert-Butylbenzene		NA			U	(1)		NA			NA			U	(1)
trans-1,2-Dichloroethene		NA			U	(1)		NA			NA			U	(1)
trans-1,3-Dichloropropene		NA			U	(1)		NA			NA			U	(1)

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-123-085			GPL-126-065			GPL-128-025			GPL-228-025			GPL-128-045		
	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL
EXPLOSIVES (UG/L)															
1,3,5-Trinitrobenzene (1,3,5-TNB)		U	(1)		NA			U	(1)		U	(1)		U	(1)
1,3-Dinitrobenzene (1,3-DNB)		U	(1)		NA			U	(1)		U	(1)		U	(1)
2,4,6-Trinitrotoluene (2,4,6-TNT)		U	(1)		NA			U	(1)		U	(1)		U	(1)
2,4-Dinitrotoluene (2,4-DNT)		U	(1)		NA			U	(1)		U	(1)		U	(1)
2,6-Dinitrotoluene (2,6-DNT)		U	(1)		NA			U	(1)		U	(1)		U	(1)
2-Amino-4,6-dinitrotoluene (2-Am-DNT)		U	(1)		NA			U	(1)		U	(1)		U	(1)
2-Nitrotoluene (2-NT)		U	(1)		NA			U	(1)		U	(1)		U	(1)
3-Nitrotoluene (3-NT)		U	(1)		NA			U	(1)		U	(1)		U	(1)
4-Amino-2,6-dinitrotoluene (4-Am-DNT)		U	(1)		NA			U	(1)		U	(1)		U	(1)
4-Nitrotoluene (4-NT)		U	(1)		NA			U	(1)		U	(1)		U	(1)
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)		U	(1)		NA			U	(1)		U	(1)		U	(1)
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)		U	(1)		NA			U	(1)		U	(1)		U	(1)
Nitrobenzene (NB)		U	(1)		NA			U	(1)		U	(1)		U	(1)
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)		U	(1)		NA			U	(1)		U	(1)		U	(1)

Column Header Notes:

Q = Qualifier

QL = Quantitation Limit

Qualifier Notes:

U = There is no detection for this compound at the given quantitation limit

J = Concentration is an estimated quantity

NA = Not Analyzed

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-128-065			GPL-128-085			GPL-129-025			GPL-129-045			GPL-129-065		
	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL
VOLATILES (UG/L)															
1,1,1,2-Tetrachloroethane		NA			NA			NA			U	(1)		NA	
1,1,1-Trichloroethane		NA			NA			NA			U	(1)		NA	
1,1,2,2-Tetrachloroethane		NA			NA			NA			U	(1)		NA	
1,1,2-Trichloroethane		NA			NA			NA			U	(1)		NA	
1,1-Dichloroethane		NA			NA			NA			U	(1)		NA	
1,1-Dichloroethene		NA			NA			NA			U	(1)		NA	
1,1-Dichloropropene		NA			NA			NA			U	(1)		NA	
1,2,3-Trichlorobenzene		NA			NA			NA			U	(1)		NA	
1,2,4-Trichlorobenzene		NA			NA			NA			U	(1)		NA	
1,2,4-Trimethylbenzene		NA			NA			NA			U	(1)		NA	
1,2-Dibromoethane (Ethylene dibromide)		NA			NA			NA			U	(1)		NA	
1,2-Dichlorobenzene		NA			NA			NA			U	(1)		NA	
1,2-Dichloroethane		NA			NA			NA			U	(1)		NA	
1,2-Dichloropropane		NA			NA			NA			U	(1)		NA	
1,3,5-Trimethylbenzene		NA			NA			NA			U	(1)		NA	
1,3-Dichlorobenzene		NA			NA			NA			U	(1)		NA	
1,3-Dichloropropane		NA			NA			NA			U	(1)		NA	
1,4-Dichlorobenzene		NA			NA			NA			U	(1)		NA	
2,2-Dichloropropane		NA			NA			NA			U	(1)		NA	
2-Butanone		NA			NA			NA			U	(10)		NA	
2-Chlorotoluene		NA			NA			NA			U	(1)		NA	
2-Hexanone		NA			NA			NA			U	(10)		NA	
4-Chlorotoluene		NA			NA			NA			U	(1)		NA	
4-Methyl-2-pentanone		NA			NA			NA			U	(10)		NA	
Acetone		NA			NA			NA			U	(10)		NA	
Benzene		NA			NA			NA			U	(1)		NA	
Bromobenzene		NA			NA			NA			U	(1)		NA	
Bromochloromethane		NA			NA			NA			U	(1)		NA	
Bromodichloromethane		NA			NA			NA			U	(1)		NA	
Bromoform		NA			NA			NA			U	(1)		NA	
Bromomethane		NA			NA			NA			U	(1)		NA	
Carbon disulfide		NA			NA			NA			U	(1)		NA	
Carbon tetrachloride		NA			NA			NA			U	(1)		NA	
Chlorobenzene		NA			NA			NA			U	(1)		NA	
Chloroethane		NA			NA			NA			U	(1)		NA	
Chloroform		NA			NA			NA			U	(1)		NA	
Chloromethane		NA			NA			NA			U	(1)		NA	
Dibromochloromethane		NA			NA			NA			U	(1)		NA	
Dibromomethane		NA			NA			NA			U	(1)		NA	
Dichlorodifluoromethane		NA			NA			NA			U	(1)		NA	
Ethylbenzene		NA			NA			NA			U	(1)		NA	
Hexachlorobutadiene		NA			NA			NA			U	(1)		NA	
Isopropylbenzene		NA			NA			NA			U	(1)		NA	
Meta- and Para-Xylene		NA			NA			NA			U	(2)		NA	
Methyl-t-Butyl Ether		NA			NA			NA			U	(1)		NA	
Methylene chloride		NA			NA			NA			U	(1)		NA	
Naphthalene		NA			NA			NA			U	(2)		NA	
Ortho-Xylene		NA			NA			NA			U	(1)		NA	
Styrene		NA			NA			NA			U	(1)		NA	
Tetrachloroethene		NA			NA			NA			U	(1)		NA	
Toluene		NA			NA			NA		0.26	J			NA	
Trichloroethene (TCE)		NA			NA			NA		0.61	J			NA	
Vinyl chloride		NA			NA			NA			U	(1)		NA	
cis-1,2-Dichloroethene		NA			NA			NA			U	(1)		NA	
cis-1,3-Dichloropropene		NA			NA			NA			U	(1)		NA	
n-Butylbenzene		NA			NA			NA			U	(1)		NA	
n-Propylbenzene		NA			NA			NA			U	(1)		NA	
p-Isopropyltoluene		NA			NA			NA			U	(1)		NA	
sec-Butylbenzene		NA			NA			NA			U	(1)		NA	
tert-Butylbenzene		NA			NA			NA			U	(1)		NA	
trans-1,2-Dichloroethene		NA			NA			NA			U	(1)		NA	
trans-1,3-Dichloropropene		NA			NA			NA			U	(1)		NA	

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-128-065			GPL-128-085			GPL-129-025			GPL-129-045			GPL-129-065		
	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL	Result	Q	QL
EXPLOSIVES (UG/L)															
1,3,5-Trinitrobenzene (1,3,5-TNB)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
1,3-Dinitrobenzene (1,3-DNB)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2,4,6-Trinitrotoluene (2,4,6-TNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2,4-Dinitrotoluene (2,4-DNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2,6-Dinitrotoluene (2,6-DNT)		U	(1)	2.6	J			U	(1)		U	(1)		U	(1)
2-Amino-4,6-dinitrotoluene (2-Am-DNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
2-Nitrotoluene (2-NT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
3-Nitrotoluene (3-NT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
4-Amino-2,6-dinitrotoluene (4-Am-DNT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
4-Nitrotoluene (4-NT)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
Nitrobenzene (NB)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)		U	(1)		U	(1)		U	(1)		U	(1)		U	(1)

Column Header Notes:

Q = Qualifier

QL = Quantitation Limit

Qualifier Notes:

U = There is no detection for this compound at the given quantitation limit

J = Concentration is an estimated quantity

NA = Not Analyzed

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-129-084		
	Result	Q	QL
VOLATILES (UG/L)			
1,1,1,2-Tetrachloroethane		NA	
1,1,1-Trichloroethane		NA	
1,1,2,2-Tetrachloroethane		NA	
1,1,2-Trichloroethane		NA	
1,1-Dichloroethane		NA	
1,1-Dichloroethene		NA	
1,1-Dichloropropene		NA	
1,2,3-Trichlorobenzene		NA	
1,2,4-Trichlorobenzene		NA	
1,2,4-Trimethylbenzene		NA	
1,2-Dibromoethane (Ethylene dibromide)		NA	
1,2-Dichlorobenzene		NA	
1,2-Dichloroethane		NA	
1,2-Dichloropropane		NA	
1,3,5-Trimethylbenzene		NA	
1,3-Dichlorobenzene		NA	
1,3-Dichloropropane		NA	
1,4-Dichlorobenzene		NA	
2,2-Dichloropropane		NA	
2-Butanone		NA	
2-Chlorotoluene		NA	
2-Hexanone		NA	
4-Chlorotoluene		NA	
4-Methyl-2-pentanone		NA	
Acetone		NA	
Benzene		NA	
Bromobenzene		NA	
Bromochloromethane		NA	
Bromodichloromethane		NA	
Bromoform		NA	
Bromomethane		NA	
Carbon disulfide		NA	
Carbon tetrachloride		NA	
Chlorobenzene		NA	
Chloroethane		NA	
Chloroform		NA	
Chloromethane		NA	
Dibromochloromethane		NA	
Dibromomethane		NA	
Dichlorodifluoromethane		NA	
Ethylbenzene		NA	
Hexachlorobutadiene		NA	
Isopropylbenzene		NA	
Meta- and Para-Xylene		NA	
Methyl-t-Butyl Ether		NA	
Methylene chloride		NA	
Naphthalene		NA	
Ortho-Xylene		NA	
Styrene		NA	
Tetrachloroethene		NA	
Toluene		NA	
Trichloroethene (TCE)		NA	
Vinyl chloride		NA	
cis-1,2-Dichloroethene		NA	
cis-1,3-Dichloropropene		NA	
n-Butylbenzene		NA	
n-Propylbenzene		NA	
p-Isopropyltoluene		NA	
sec-Butylbenzene		NA	
tert-Butylbenzene		NA	
trans-1,2-Dichloroethene		NA	
trans-1,3-Dichloropropene		NA	

Appendix B
Off-Site Analytical Results
Groundwater Investigation South of EW-12 and EW-13
Former Nebraska Ordnance Plant, Mead, Nebraska

	GPL-129-084		
	Result	Q	QL
EXPLOSIVES (UG/L)			
1,3,5-Trinitrobenzene (1,3,5-TNB)		U	(1)
1,3-Dinitrobenzene (1,3-DNB)		U	(1)
2,4,6-Trinitrotoluene (2,4,6-TNT)		U	(1)
2,4-Dinitrotoluene (2,4-DNT)		U	(1)
2,6-Dinitrotoluene (2,6-DNT)		U	(1)
2-Amino-4,6-dinitrotoluene (2-Am-DNT)		U	(1)
2-Nitrotoluene (2-NT)		U	(1)
3-Nitrotoluene (3-NT)		U	(1)
4-Amino-2,6-dinitrotoluene (4-Am-DNT)		U	(1)
4-Nitrotoluene (4-NT)		U	(1)
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)		U	(1)
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)		U	(1)
Nitrobenzene (NB)		U	(1)
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)		U	(1)

Column Header Notes:

Q = Qualifier

QL = Quantitation Limit

Qualifier Notes:

U = There is no detection for this compound at the given quantitation limit

J = Concentration is an estimated quantity

NA = Not Analyzed

P•E•S

Environmental Consulting & Mobile Laboratory Services

Plains Environmental Services

P.O. Box 6288 • Salina, KS 67401-0288 • (785) 827-4545
Fax (785) 827-4582 • www.plainsenv.com

Laboratory Report

Client: URS Group, Inc.
10975 El Monte, Suite 100
Overland Park, KS 66211

Date: March 1, 2006
Project Location: Mead, NE

Attn: Lisa Tholl, P.G.

Sample ID R.L. = 2 ug/L	Date Sampled	Depth ft.	DCM	1,1-DCA	T-DCE	C-DCE	TCE	1,2-dichloro propane
GPF-109-025	2/6/2006	25	ND	ND	ND	ND	2	ND
GPF-109-045	2/6/2006	45	ND	ND	ND	ND	4	ND
GPF-109-065	2/6/2006	65	ND	ND	ND	ND	1	ND
GPF-109-083	2/7/2006	83	ND	ND	ND	ND	2	ND
GPF-110-025	2/8/2006	25	ND	ND	ND	ND	ND	ND
GPF-110-045	2/8/2006	45	ND	ND	ND	ND	ND	ND
GPF-110-065	2/8/2006	65	ND	ND	ND	ND	ND	ND
GPF-110-085	2/8/2006	85	ND	ND	ND	ND	4	ND
GPF-111-025	2/9/2006	25	ND	ND	ND	ND	ND	ND
GPF-111-045	2/9/2006	45	ND	ND	ND	ND	ND	ND
GPF-211-045	2/9/2006	45	ND	ND	ND	ND	ND	ND
GPF-111-065	2/9/2006	65	ND	ND	ND	ND	ND	ND
GPF-111-085	2/9/2006	85	ND	ND	ND	ND	ND	ND
GPF-112-025	2/10/2006	25	ND	ND	ND	ND	ND	ND
GPF-112-045	2/10/2006	45	ND	ND	ND	ND	ND	ND
GPF-112-065	2/10/2006	65	ND	ND	ND	ND	ND	ND
GPF-112-085	2/10/2006	85	ND	ND	ND	ND	ND	ND
GPF-113-025	2/8/2006	25	ND	ND	ND	ND	3	ND
GPF-113-045	2/8/2006	45	ND	ND	ND	ND	33	ND
GPF-213-045	2/8/2006	45	ND	ND	ND	ND	35	ND
GPF-113-065	2/8/2006	65	ND	ND	ND	ND	34	ND
GPF-113-082	2/8/2006	82	ND	ND	ND	ND	ND	ND
GPF-114-025	2/9/2006	25	ND	ND	ND	ND	ND	ND
GPF-114-045	2/9/2006	45	ND	ND	ND	ND	ND	ND
GPF-114-065	2/9/2006	65	ND	ND	ND	ND	ND	ND
GPF-114-085	2/9/2006	85	ND	ND	ND	ND	ND	ND
GPF-115-025	2/7/2006	25	ND	ND	ND	ND	4	ND
GPF-115-045	2/7/2006	45	ND	ND	ND	ND	21	ND
GPF-215-045	2/7/2006	45	ND	ND	ND	ND	23	ND
GPF-115-065	2/7/2006	65	ND	ND	ND	ND	16	ND
GPF-115-082	2/7/2006	82	ND	ND	ND	ND	5	ND
GPF-116-025	2/10/2006	25	ND	ND	ND	ND	ND	ND
GPF-116-045	2/10/2006	45	ND	ND	ND	ND	3	ND
GPF-216-045	2/10/2006	45	ND	ND	ND	ND	4	ND
GPF-116-065	2/10/2006	65	ND	ND	ND	ND	2	ND
GPF-116-085	2/10/2006	85	ND	ND	ND	ND	ND	ND
GPF-117-025	2/7/2006	25	ND	ND	ND	ND	ND	ND
GPF-117-045	2/7/2006	45	ND	ND	ND	ND	ND	ND
GPF-117-065	2/8/2006	64	ND	ND	ND	ND	ND	ND
GPF-117-079	2/8/2006	79	ND	ND	ND	ND	2	2

Laboratory Report

Sample Name R.L. = 2 ug/L	Date Analyzed	Depth (feet)	DCM	1,1-DCA	T-DCE	C-DCE	TCE	1,2-dichloro propane
GPF-118-025	2/7/2006	25	ND	ND	ND	ND	4	ND
GPF-118-045	2/7/2006	45	ND	ND	ND	ND	7	ND
GPF-118-065	2/7/2006	65	ND	ND	ND	ND	3	ND
GPF-118-083	2/7/2006	83	ND	ND	ND	ND	3	ND
GPF-119-025	2/9/2006	25	ND	ND	ND	ND	ND	ND
GPF-119-045	2/9/2006	45	ND	ND	ND	ND	ND	ND
GPF-119-065	2/9/2006	65	ND	ND	ND	ND	ND	ND
GPF-219-065	2/9/2006	65	ND	ND	ND	ND	ND	ND
GPF-119-082	2/9/2006	82	ND	ND	ND	4	ND	ND
GPF-120-025	2/6/2006	25	ND	ND	ND	ND	2	ND
GPF-120-045	2/6/2006	45	ND	ND	ND	ND	2	ND
GPF-220-045	2/6/2006	45	ND	ND	ND	ND	2	ND
GPF-120-065	2/6/2006	65	ND	ND	ND	ND	2	ND
GPF-121-025	2/6/2006	25	ND	ND	ND	ND	ND	ND
GPF-121-045	2/6/2006	45	ND	ND	ND	ND	ND	ND
GPF-121-065	2/6/2006	65	ND	ND	ND	ND	ND	ND
GPF-121-085	2/6/2006	85	ND	ND	ND	ND	ND	ND
GPF-122-025	2/5/2006	25	ND	ND	ND	ND	2	ND
GPF-122-045	2/5/2006	45	ND	ND	ND	ND	ND	ND
GPF-122-065	2/5/2006	65	ND	ND	ND	ND	ND	ND
GPF-122-085	2/5/2006	85	ND	ND	ND	ND	ND	ND
GPF-123-025	2/4/2006	25	ND	ND	ND	ND	ND	ND
GPF-223-025	2/4/2006	25	ND	ND	ND	ND	ND	ND
GPF-123-045	2/4/2006	45	ND	ND	ND	ND	7	ND
GPF-123-065	2/4/2006	65	ND	ND	ND	ND	ND	ND
GPF-123-085	2/4/2006	85	ND	ND	ND	ND	ND	ND
GPF-124-025	2/5/2006	25	ND	ND	ND	ND	ND	ND
GPF-224-025	2/5/2006	25	ND	ND	ND	ND	ND	ND
GPF-124-045	2/5/2006	45	ND	ND	ND	ND	ND	ND
GPF-124-065	2/5/2006	65	ND	ND	ND	ND	ND	ND
GPF-124-081	2/5/2006	81	ND	ND	ND	ND	ND	ND
GPF-125-025	2/5/2006	25	ND	ND	ND	ND	ND	ND
GPF-225-025	2/5/2006	25	ND	ND	ND	ND	ND	ND
GPF-125-045	2/5/2006	45	ND	ND	ND	ND	ND	ND
GPF-125-065	2/6/2006	65	ND	ND	ND	ND	ND	ND
GPF-125-085	2/6/2006	85	ND	ND	ND	ND	ND	ND
GPF-126-025	2/4/2006	25	ND	ND	ND	ND	ND	ND
GPF-126-045	2/4/2006	45	ND	ND	ND	ND	ND	ND
GPF-126-065	2/4/2006	65	ND	ND	ND	ND	ND	ND
GPF-126-082	2/4/2006	82	ND	ND	ND	ND	ND	ND
GPF-127-025	2/3/2006	25	ND	ND	ND	ND	ND	ND
GPF-127-045	2/3/2006	45	ND	ND	ND	ND	ND	ND
GPF-127-065	2/3/2006	65	ND	ND	ND	ND	ND	ND
GPF-127-083	2/3/2006	83	ND	ND	ND	ND	ND	ND
GPF-128-025	2/3/2006	25	ND	ND	ND	ND	ND	ND
GPF-228-025	2/3/2006	25	ND	ND	ND	ND	ND	ND
GPF-128-045	2/3/2006	45	ND	ND	ND	ND	ND	ND

Laboratory Report

Sample Name R.L. = 2 ug/L	Date Analyzed	Depth (feet)	DCM	1,1-DCA	T-DCE	C-DCE	TCE	1,2-dichloro propane
GPF-128-065	2/3/2006	65	ND	ND	ND	ND	ND	ND
GPF-128-085	2/3/2006	85	ND	ND	ND	ND	ND	ND
GPF-129-025	2/4/2006	25	ND	ND	ND	ND	ND	ND
GPF-129-045	2/4/2006	45	ND	ND	ND	ND	ND	ND
GPF-129-065	2/3/2006	65	ND	ND	ND	ND	ND	ND
GPF-129-084	2/3/2006	84	ND	ND	ND	ND	ND	ND

Abbreviations:

DCM = dichloromethane
1,1-DCA = 1,1-dichloroethane
TCE = trichloroethene
T-DCE = trans-1,2-dichloroethene
C-DCE = cis-1,2-dichloroethene
R.L = Reporting limit

All results represent groundwater samples that were analyzed by headspace analysis. A 20-mL VOC vial was filled one-half full with sample. The sample vial was capped tightly and heated at 80 C for at least 30 minutes. This technique drives the volatile components from the aqueous phase into the headspace. A 1-mL sample of headspace was injected into the gas chromatograph for analysis.

All samples were analyzed on site by Plains Environmental Services using GC/MSD.

Plains Environmental Services

Lynn R. Newcomer
President

Plains Environmental Services Analysis Log Sheet

Client: URS
Date: 02/03/06
Location: Former NOP Facility Mead, NE

Sampler: URS
Analyst: Dank DeGiuseppe
Project Number

Sample ID	Time	Depth	PES ID	Matrix	Comments
Calibration point #1	2:21pm	–	Cal2	Hg	1 µg/L
Calibration point #2	2:37pm	–	Cal3	Hg	2 µg/L
Calibration point #3	4:45pm	–	Cal4	Hg	5 µg/L
Calibration point #4	6:27pm	–	Cal5	Hg	10 µg/L
Calibration point #5	~~11:03pm~~ 8:30pm	–	Cal6	Hg	25 µg/L
Calibration point #6	11:03pm	–	Cal7	Hg	50 µg/L
Calibration point #7	11:19pm	–	Cal8	Hg	100 µg/L
Water Blank	11:40pm	–	Water1	Hg	

Plains Environmental Services Analysis Log Sheet

Client: URS
Date: 02/04/06
Location: Former NOP Facility Mead, NE

Sampler: URS
Analyst: Darin DeGruson
Project Number

Sample ID	Time	Depth	PES ID	Matrix	Comments
Calibration Check	10:42 Am	-	CC1	Ag	25µg/L
Method Blank	10:59 Am	-	Blank1	Ag	
GPF-228-025 duplicate	3:06pm	25	Ag1dp	Ag	
GPF-128-045	11:39 Am	45	Ag2	Ag	
GPF-128-025	2:43pm	25	Ag1	Ag	
GPF-128-085	12:07pm	85	Ag3	Ag	
GPF-128-065	12:24pm	65	Ag4	Ag	
GPF-128-065 matrix spike	12:41pm	65	Ag4S	Ag	25µg/L
GPF-128-065 matrix spike duplicate	12:59pm	65	Ag4Sd	Ag	25µg/L
GPF-129-084	3:18pm	84	Ag5	Ag	
GPF-129-065	3:36pm	65	Ag6	Ag	
GPF-127-025	3:53pm	25	Ag7	Ag	
GPF-127-045	4:10pm	45	Ag8	Ag	
GPF-127-065	4:27pm	65	Ag9	Ag	
GPF-127-083	4:44pm	83	Ag10	Ag	
GPF-129-025	5:01pm	25	Ag11	Ag	
GPF-129-045	5:18pm	45	Ag12	Ag	
GPF-123-025	5:36pm ~~[illegible]~~	25	Ag13	Ag	needs rerun for bad injection
GPF-123-045	5:45pm	45	Ag14	Ag	needs rerun for bad injection
GPF-123-025	6:39pm	25	Ag15	Ag	
GPF-225-025 duplicate	7:40pm	25	Ag15dp	Ag	
GPF-123-085	7:24pm	85	Ag16	Ag	
GPF-126-045	9:07pm	45	Ag17	Ag	
GPF-126-065	9:27pm	65	Ag18	Ag	
GPF-126-025	9:44pm	25	Ag19	Ag	
GPF-126-082	10:00pm	82	Ag20	Ag	needs rerun for surrogate
LCS	7:57pm	-	LCS1	Ag	25µg/L
Calibration check	10:18pm	-	CC2	Ag	25µg/L

Plains Environmental Services Analysis Log Sheet

Client: URS Corp
Date: 02/05/06
Location: Former NOP Facility Mead, NE

Sampler: URS
Analyst: Dave DeGroson
Project Number

Sample ID	Time	Depth	PES ID	Matrix	Comments
Calibration Check	12:01 pm	–	cc3	Ag	25 µg/L
Method Blank	12:15 pm	–	Blank2	Ag	–
GPF-123-065 rerun	12:35 pm	65	Ag13r	Ag	Being rerun for low Surrogate
GPF-123-045 rerun	12:52 pm	45	Ag14r	Ag	Being rerun for Bad injection
GPF-126-082 rerun	1:10 pm	82	Ag20r	Ag	Being rerun for Bad injection
GPF-124-065	1:27 pm	65	Ag21	Ag	
GPF-124-081	1:44 pm	81	Ag22	Ag	
GPF-124-045	1:59 pm	45	Ag23	Ag	Needs rerun for bad injection
GPF-124-045 matrix spike	2:16 pm	45	Ag23s	Ag	25 µg/L needs rerun for bad injection
GPF-124-045 matrix spike duplicate	2:34 pm	45	Ag23sd	Ag	25 µg/L
GPF-224-025 duplicate	2:51 pm	25	Ag24dp	Ag	needs rerun for sample
GPF-124-025	3:07 pm	25	Ag24	Ag	needs rerun for bad injection
~~GPF-122-025~~		25	Ag25	Ag	
GPF-124-045 rerun	4:01 pm	45	Ag23r	Ag	
GPF-224-025 rerun	4:18 pm	25	Ag24dpr	Ag	Need to rerun again
GPF-124-025 rerun	4:35 pm	25	Ag24r	Ag	
LCS	4:52 pm	–	LCS2	Ag	25 µg/L needs rerun
GPF-122-025	10:~~14~~ Am	25	Ag25	Ag	Auto sampler jammed
GPF-122-045	10:30 Am	45	Ag26	Ag	
GPF-122-085	10:46 Am	85	Ag27	Ag	
GPF-122-065	11:03 Am	65	Ag28	Ag	
Calibration Check	11:18 Am	–	CC4	Ag	25 µg/L

Plains Environmental Services Analysis Log Sheet

Client: URS
Date: 02/06/06
Location: Former NOP Facility Mead, NE

Sampler: URS
Analyst: Darin DeGroson
Project Number

Sample ID	Time	Depth	PES ID	Matrix	Comments
Calibration Check	11:53Am	–	ccs	Ag	25µg/L
Method Blank	12:11Am	–	Blank3	Ag	
GPF-224-025 rerun	12:28 pm	25	Ag24dpr	Ag	
GPF-122-025 rerun	12:45 pm	25	Ag25r	Ag	
GPF-125-045	1:02pm	45	Ag29	Ag	
GPF-125-065	1:20pm	65	Ag30	Ag	
GPF-125-025	1:36pm	25	Ag31	Ag	
GPF-125-085	1:53pm	85	Ag32	Ag	
GPF-225-025	2:10pm	25	Ag31dp	Ag	
LCS	2:27pm	–	lcs3	Ag	10µg/L
GPF-121-085	2:54pm	85	Ag33	Ag	
GPF-121-065	3:06pm	65	Ag34	Ag	
GPF-121-065 matrix spike	3:28pm	65	Ag34S	Ag	25µg/L
GPF-121-065 matrix spike duplicate	3:45pm	65	Ag34SD	Ag	25µg/L
GPF-121-025	4:03pm	25	Ag35	Ag	~~needs rerun for bad injection~~ OK
GPF-121-045		45	Ag36	Ag	
GPF-120-065	4:38pm	65	Ag37	Ag	needs rerun for bad injection
GPF-120-025		25	Ag38	Ag	
GPF-120-045		45	Ag39	Ag	
GPF-220-045		45	Ag39dp	Ag	
Calibration Check		–	CC6	Ag	25µg/L

Plains Environmental Services Analysis Log Sheet

Client: URS
Date: 2/7/06
Location: Former NOP Facility Mead, NE

Sampler:
Analyst: LRN
Project Number

Sample ID	Time	Depth	PES ID	Matrix	Comments
Calibration Check		–	CCS 7	Ag	25 ug/L V1
Blank		–	Blank 4	Ag	V2
GPF-120-065		65'	Ag ~~40~~ 35R	Ag	V3
GPF-121-025		25'	Ag ~~41~~ 37R	Ag	V4
GPF-109-025		25'	Ag 40	Ag	V5
GPF-109-045		45'	Ag ~~43~~ 41	Ag	V6
GPF-109-065		65'	Ag ~~44~~ 42	Ag	V7
GPF-109-083		83'	Ag ~~45~~ 43	Ag	V8
GPF-115-025		25'	Ag ~~46~~ 44	Ag	V9
GPF-115-045		45'	Ag ~~47~~ 45	Ag	V10
GPF-215-045		45'	Ag ~~48~~ 46	Ag	V11
GPF-115-065		65'	Ag ~~49~~ 47	Ag	V12
GPF-109-025		25'	Ag 40R	Ag	0.5mL V1
GPF-109-065		65'	Ag 42R	Ag	0.5mL V2
GPF-109-083		83'	Ag 43R	Ag	0.5mL V3
GPF-115-082		82'	Ag 48	Ag	0.5mL V4
LCS			LCS 4		V5
GPF-118-025		25'	Ag 49		0.5mL V6
GPF-118-025 MS		25'	Ag 49S		0.5mL V7
GPF-118-025 MSD		25'	Ag 49SD		V8
GPF-118-045		45'	Ag 50		0.5mL V9
GPF-118-065		65'	Ag 51		0.5mL V10
GPF-118-083		83'	Ag 52		V11
Cal Check			CCS 8		0.5mL V12

URS - Former NOP Facility, Mead, NE

Analyst: LRN

Plains Environmental Services Analysis Log Sheet

2/8/06	Time	Depth	PES ID	Matrix	Comments	
Cal Check			CCS 9		25 ug/L	V1
Blank			Blank 5			V2
GPF-117-025			Ag 53R		rerun	V3
GPF-117-045			Ag 54			V4
GPF-117-065			Ag 55			V5
GPF-117-079			Ag 56			V6
GPF-113-025			Ag 57			V7
GPF-113-045			Ag 58			V8
GPF-213-045			Ag 59			V9
GPF-113-065			Ag 60			V10
GPF-113-082			Ag 61			V11
LCS			LCS 5		10 ug/L	V12

Plains Environmental Services Analysis Log Sheet

Client: URS
Date: 2/9/06
Location: Mead, NE

Sampler:
Analyst: LRN
Project Number

Sample ID	Time	Depth	PES ID	Matrix	Comments
Calibration Check			CCS 10	Aq	V1
Blank			Blank 6	Aq	V2
GPF-117-025			Ag 53 R	Aq	rerun V3
GPF-110-025			Ag 62	Aq	V4
GPF-110-025 MS			Ag 62 S	Aq	V5
GPF-110-025 MSD			Ag 62 SD	Aq	V6
GPF-110-045			Ag 63	Aq	V7
GPF-110-065			Ag 64	Aq	V8
GPF-110-085			Ag 65	Aq	V9
GPF-111-025			Ag 66	Aq	V10
GPF-111-045			Ag 67	Aq	V11
LCS			LCS 6	Aq	10 ug/L V12
GPF-211-045			Ag 68	Aq	0.5mL V1
GPF-111-065			Ag 69	Aq	V2
GPF-111-085			Ag 70	Aq	V3
GPF-114-025			Ag 71	Aq	V4
GPF-114-045			Ag 72	Aq	V5

Plains Environmental Services Analysis Log Sheet

Client: URS
Date: 2/10/06
Location: Mead, NE

Sampler:
Analyst: LRN
Project Number

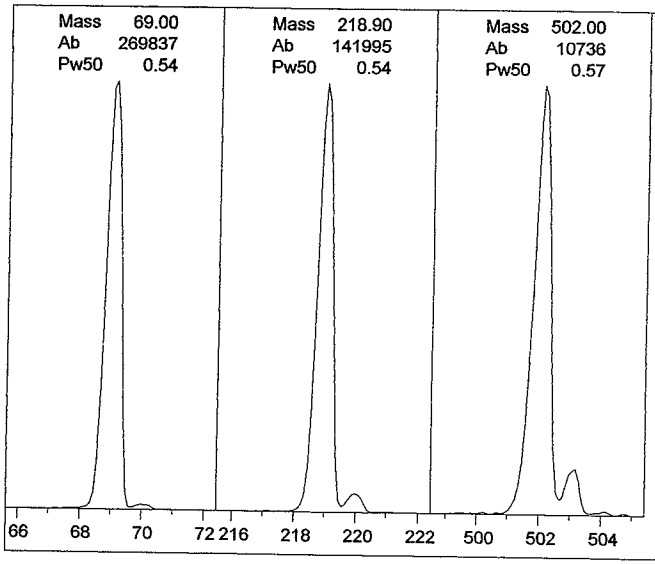
Sample ID	Time	Depth	PES ID	Matrix	Comments	
Calibration Check			CCS 11		25 ug/L	V1
Blank			Blank 7			V2
GPF-211-045			Ag 68R		rerun	V3
GPF-114-065			Ag 73			V4
GPF-114-085			Ag 74			V5
GPF-119-025			Ag 75			V6
GPF-119-025 MS			Ag 75S		matrix spike	V7
GPF-119-025 MSD			Ag 75SD		spike dup	V8
GPF-119-045			Ag 76			V9
GPF-119-065			Ag 77			V10
GPF-119-082			Ag 78			V11
LCS			LCS 7		10 ug/L	V12
GPF-219-065			Ag 79			V1
GPF-112-025			Ag 80			V2
GPF-112-045			Ag 81			V3
GPF-112-065			Ag 82			V4
GPF-112-085			Ag 83			V5
GPF-116-025			Ag 84			V6
GPF-116-045			Ag 85			V7
GPF-216-045			Ag 86			V8
GPF-116-065			Ag 87			V9
GPF-116-085			Ag 88			V10
GPF-116-085 MS			Ag 88S			V11
GPF-116-085 MSD			Ag 88SD			V12
LCS			LCS 8		25 ug/L	V6
GPF-112-065			Ag 82R		rerun 0.5mL	Z

HP5972 Standard Spectra AutoTune

umen S Insti #1

Fri Feb 03 13:23:25 2006

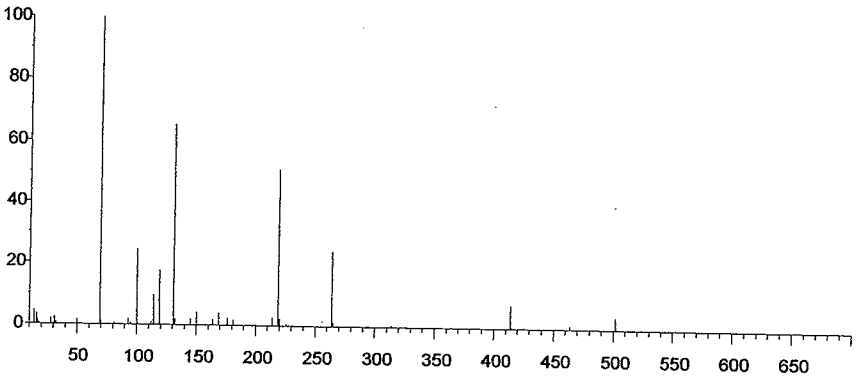
C:\HPCHEM\1\5972\ATUNE.U



EMVolts	2094	AmuGain	564
Xray	55.6	AmuOffs	73
Emission	35.0	Wid219	-0.012
MS Temp	124	TTI	OFF
Vacuum	87	DC Pol	POS
Samples	8	Repeller	25.03
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	42.67
MassGain	229	EntOffs	10.79
MassOffs	8	Filament	2

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
95 peaks Base: 69.00 Abundance: 223040

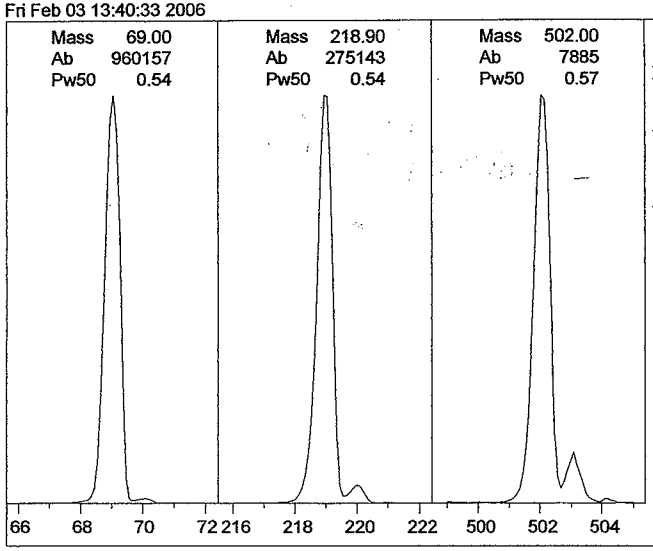


Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	223040	100.00	69.90	2515	1.13
218.90	113992	51.11	219.95	5045	4.43
502.00	9158	4.11	503.00	838	9.15

HP5972 BFB Dynamic Target Tune

Fri Feb 03 13:40:33 2006

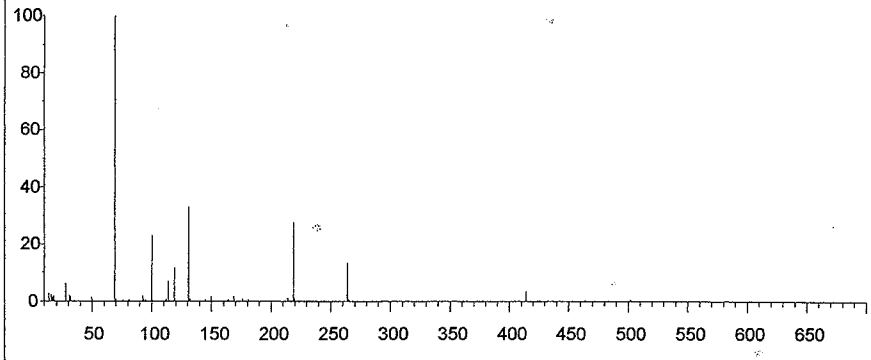
C:\HPCHEM\1\5972\BFB.U



EMVolts	2282	AmuGain	573
Xray	55.6	AmuOffs	81
Emission	35.0	Wid219	0.052
MS Temp	126	TTI	OFF
Vacuum	86	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	227	EntOffs	VAR
MassOffs	8	Filament	2

PFTBA OPEN

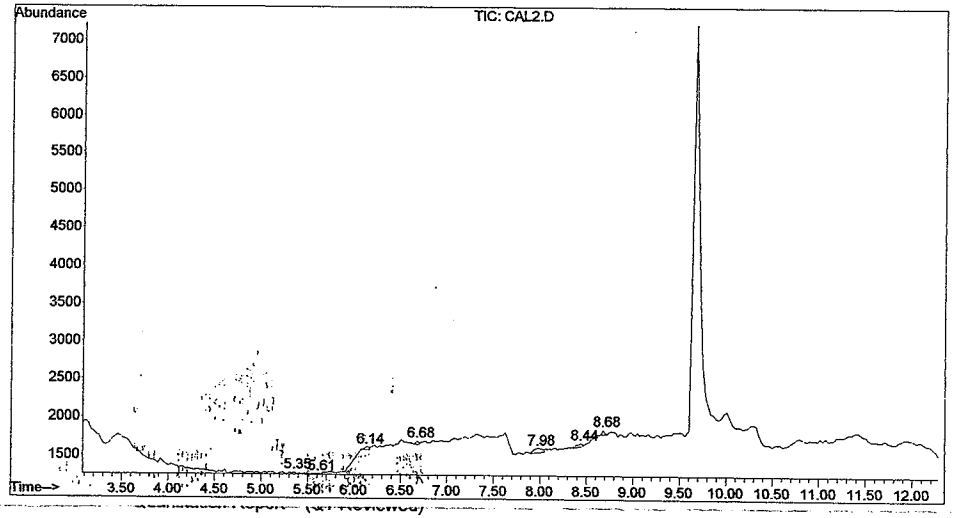
Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
140 peaks Base: 69.00 Abundance: 834816



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	834816	100.00	70.00	8929	1.07
218.90	233600	27.98	219.90	9601	4.11
502.00	6643	0.80	503.10	584	8.79

TARGET MASS: 69 131 219 502
DYNAMIC ENT OFFSET: 16.8 28.6 29.1 19.8
TARGET ABUND(%): 100.0 35.0 30.0 0.8
ACTUAL TUNE ABUND(%): 100.0 33.3 28.0 0.8

: C:\ M\1\D 0306\C
Operator : Darin DeGruson
Acquired : 3 Feb 2006 2:21 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: Calibration level 2
Misc Info : 1.0 ug/L
Vial Number: 1



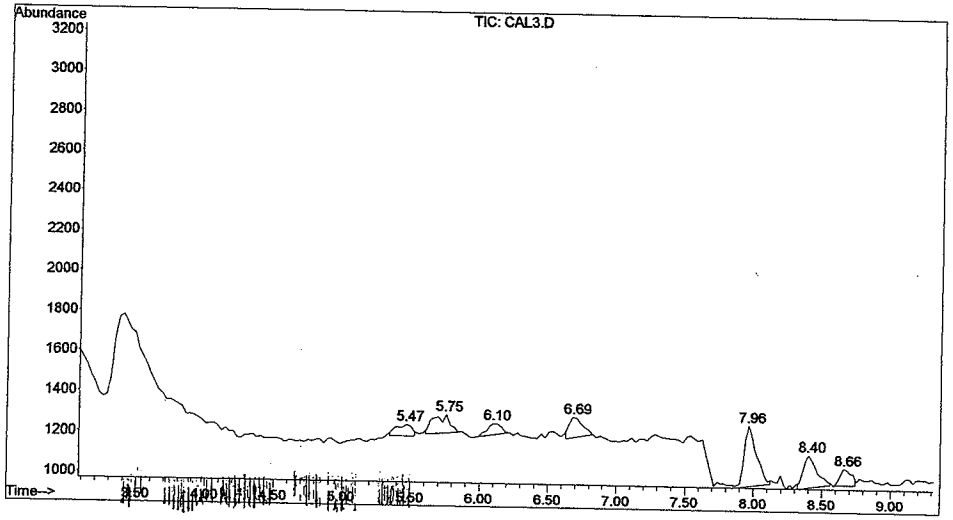
Data File : C:\HPCHEM\1\DATA\020306\CAL3.D Vial: 2
Acq On : 3 Feb 2006 2:37 pm Operator: Darin DeGruson
Sample : Calibration Level 3 Inst : GC/MS Ins
Misc : 2.0 ug/L Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 11:54:51 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units
System Monitoring Compounds				
13) Fluorobenzene	7.96	96	15071	2.40 ug/L
Target Compounds				
4) Methylene Chloride	5.38	49	2984	1.63 ug/L
5) Trans-1,2-dichloroethene	5.70	96	3867	1.53 ug/L
6) 1,1-DCA	6.10	63	3972	1.60 ug/L
7) Cis-1,2-DCE	6.68	61	2949	1.60 ug/L
14) TCE	8.40	95	5609	1.97 ug/L
15) 1,2-dichloropropane	8.68	63	1155	2.13 ug/L

ND

File C:\HPC DATA 6\CAL3.D
Operator : Darin DeGruson
Acquired : 3 Feb 2006 2:37 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: Calibration Level 3
Misc Info : 2.0 ug/L
Vial Number: 2



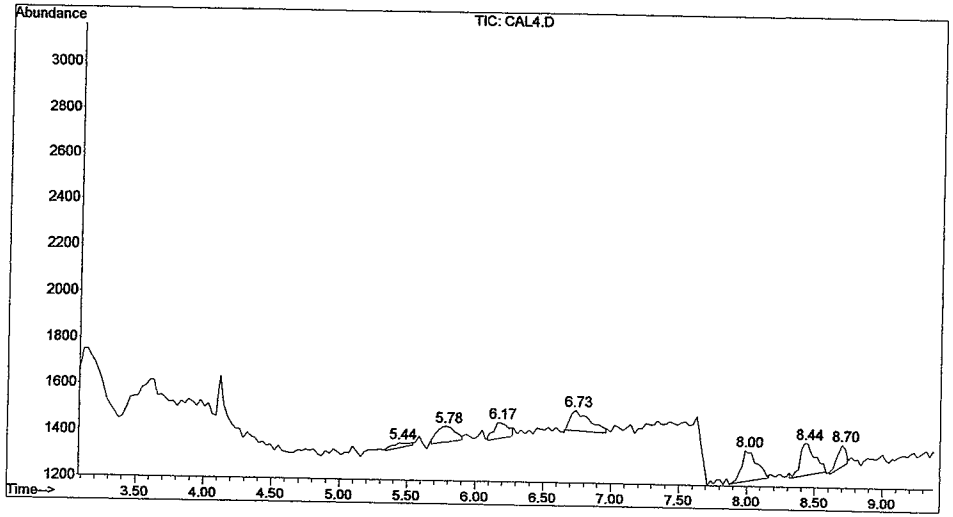
Data File : C:\HPCHEM\1\DATA\020306\CAL3.D Vial: 2
Acq On : 3 Feb 2006 2:37 pm Operator: Darin DeGruson
Sample : Calibration Level 3 Inst : GC/MS Ins
Quant Time: Mar 1 13:26 2006 Quant Results File: GENVOC.RES

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 13:25:10 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units
System Monitoring Compounds				
13) Fluorobenzene	7.98	96	15798	2.10 ug/L
Target Compounds				
4) Methylene Chloride	5.38	49	2779	1.86 ug/L
5) Trans-1,2-dichloroethene	5.70	96	2884	1.85 ug/L
6) 1,1-DCA	6.10	63	3019	2.07 ug/L
7) Cis-1,2-DCE	6.68	61	2628	1.78 ug/L
14) TCE	8.40	95	5278	1.88 ug/L
15) 1,2-dichloropropane	8.68	63	1087	1.88 ug/L

: C:\ M\1\D 0306\

Operator : Darin DeGruson
Acquired : 3 Feb 2006 4:45 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: Calibration level 4
Misc Info : 5 ug/L
Vial Number: 3



Quantitation Report (QT Reviewed)

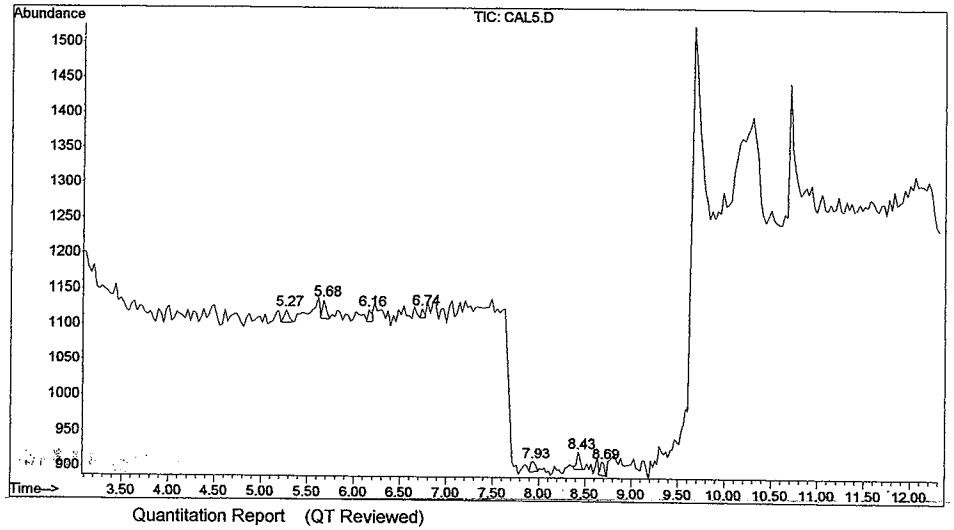
Data File : C:\HPCHEM\1\DATA\020306\CAL4.D Vial: 3
Acq On : 3 Feb 2006 4:45 pm Operator: Darin DeGruson
Sample : Calibration level 4 Inst : GC/MS Ins
Misc : 5 ug/L Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 13:25:10 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units
System Monitoring Compounds				
13) Fluorobenzene	8.01	96	9855m	1.31 ug/L
Target Compounds				
4) Methylene Chloride	5.50	49	3441	2.30 ug/L
5) Trans-1,2-dichloroethene	5.82	96	5056	3.25 ug/L
6) 1,1-DCA	6.19	63	4114	2.82 ug/L
7) Cis-1,2-DCE	6.77	61	4069	2.76 ug/L
4) TCE	8.45	95	5168	1.84 ug/L
5) 1,2-dichloropropane	8.70	63	1287	2.23 ug/L

Fil C:\HPC \DATA 6\CAL

Operator : Darin DeGruson
Acquired : 3 Feb 2006 5:02 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: Calibration level 5
Misc Info : 10 ug/L
Vial Number: 4



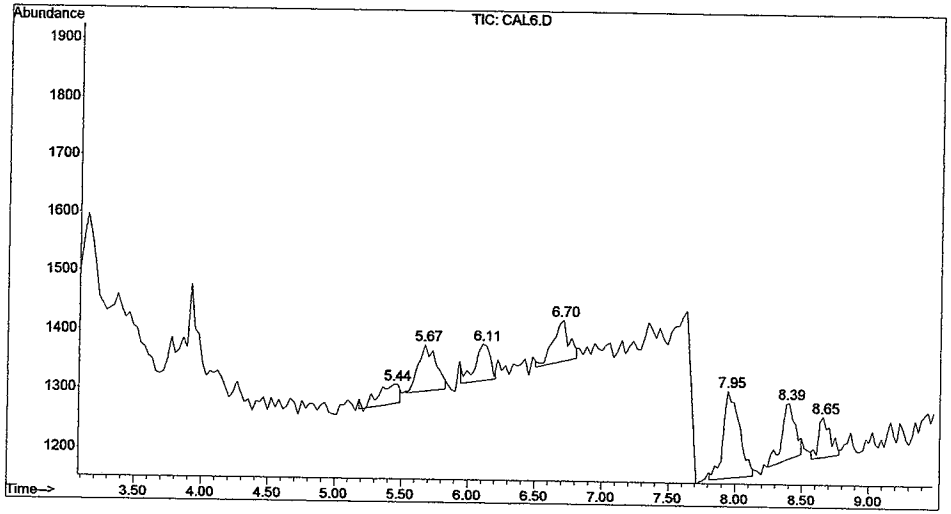
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\CAL5.D Vial: 4
Acq On : 3 Feb 2006 5:02 pm Operator: Darin DeGruson
Sample : Calibration level 5 Inst : GC/MS Ins
Misc : 10 ug/L Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Nov 01 15:42:45 2005
Response via : Continuing Cal File:
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units
System Monitoring Compounds				
13) Fluorobenzene	7.92	96	134	0.00 ug/L
Target Compounds				

: C:\H[illegible]M\1\D[illegible]0306\C[illegible]
Operator : Darin DeGruson
Acquired : 3 Feb 2006 6:27 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: Calibration level 6
Misc Info : 25 ug/L
Vial Number: 5



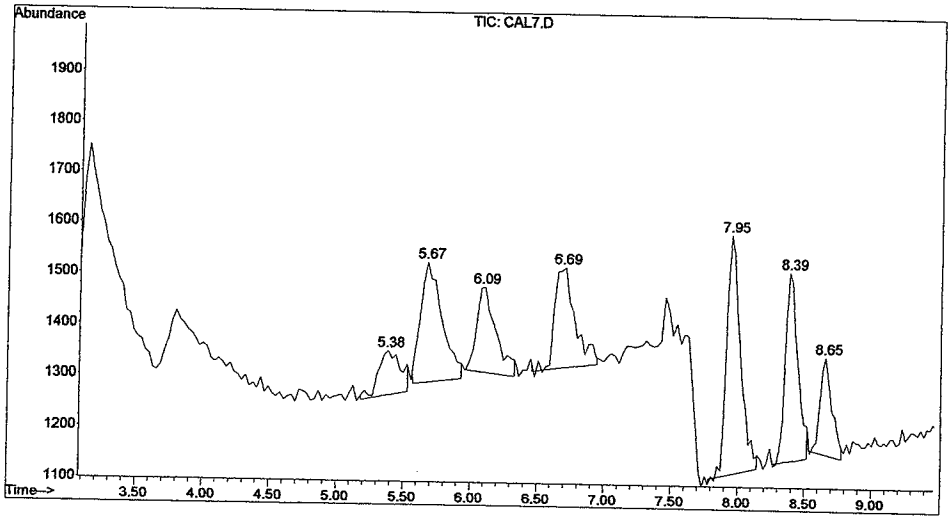
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\CAL6.D Vial: 5
Acq On : 3 Feb 2006 6:27 pm Operator: Darin DeGruson
Sample : Calibration level 6 Inst : GC/MS Ins
Misc : 25 ug/L Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 13:25:10 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units
System Monitoring Compounds				
13) Fluorobenzene	7.96	96	9634	1.28 ug/L
Target Compounds				
4) Methylene Chloride	5.41	49	1249	0.83 ug/L
5) Trans-1,2-dichloroethene	5.67	96	3737	2.40 ug/L
6) 1,1-DCA	6.13	63	2206	1.51 ug/L
7) Cis-1,2-DCE	6.65	61	2421	1.64 ug/L
14) TCE	8.38	95	3869	1.38 ug/L
15) 1,2-dichloropropane	8.66	63	538	0.93 ug/L

Fil[illegible]C:\HPC[illegible]\DATA[illegible]6\CAL7.D
Operator : Darin DeGruson
Acquired : 3 Feb 2006 11:03 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: Calibration level 7
Misc Info : 5[illegible] ug/L
Vial Number: 6



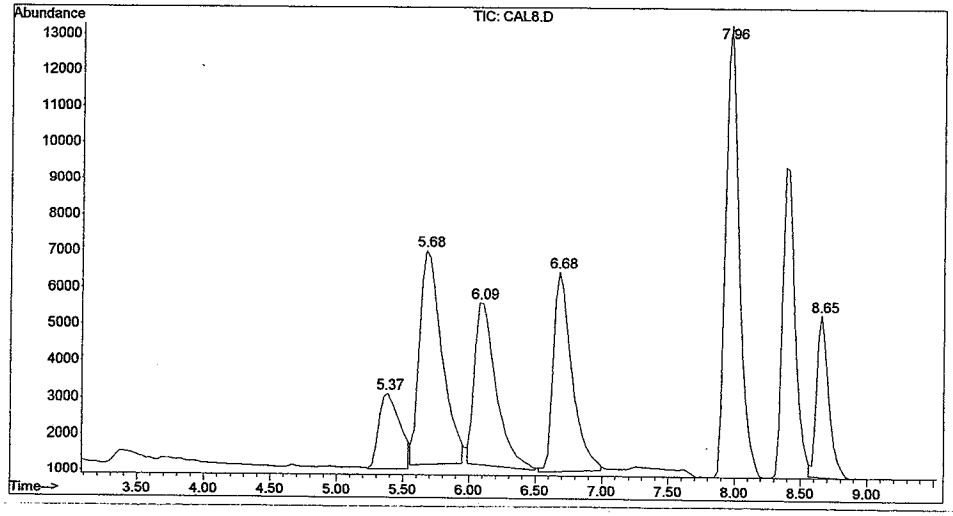
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\CAL7.D Vial: 6
Acq On : 3 Feb 2006 11:03 pm Operator: Darin DeGruson
Sample : Calibration level 7 Inst : GC/MS Ins
Misc : 5 ug/L Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 13:55:28 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units	Dev(Min)
System Monitoring Compounds					
13) Fluorobenzene	7.96	96	25103	4.68 ug/L	
Target Compounds					
4) Methylene Chloride	5.38	49	5962	4.57 ug/L	
5) Trans-1,2-dichloroethene	5.71	96	11987	5.25 ug/L	
6) 1,1-DCA	6.10	63	9664	5.00 ug/L	
7) Cis-1,2-DCE	6.68	61	7572	5.02 ug/L	
14) TCE	8.39	95	12276	4.90 ug/L	
15) 1,2-dichloropropane	8.63	63	2595	5.47 ug/L	

: C:\H[illegible]M\1\DA[illegible]0306\C[illegible]
Operator : Darin DeGruson
Acquired : 3 Feb 2006 11:19 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: calibration level 8
Misc Info : 100 ug/L
Vial Number: 7



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\CAL8.D Vial: 7
Acq On : 3 Feb 2006 11:19 pm Operator: Darin DeGruson
Sample : calibration level 8 Inst : GC/MS Ins
Misc : 100 ug/L Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc	Units

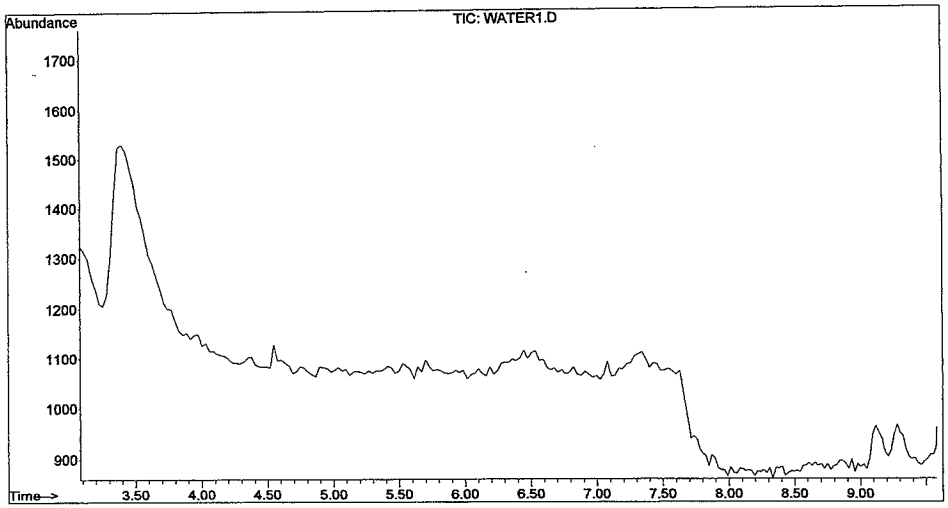
System Monitoring Compounds

13) Fluorobenzene	7.97	96	659589	99.07	ug/L 0.01

Target Compounds

4) Methylene Chloride	5.38	49	148936	81.28	ug/L
5) Trans-1,2-dichloroethene	5.70	96	249157	104.21	ug/L
6) 1,1-DCA	6.10	63	249193	100.28	ug/L
7) Cis-1,2-DCE	6.68	61	188291	102.44	ug/L
14) TCE	8.40	95	296704	98.66	ug/L
15) 1,2-dichloropropane	8.66	63	54447	99.03	ug/L

File [illegible]HPCH[illegible]DATA\[illegible]WATE[illegible]
Operator : Darin DeGruson
Acquired : 3 Feb 2006 11:36 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: carryover blank
Misc Info :
Vial Number: 8



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\WATER1.D Vial: 8
Acq On : 3 Feb 2006 11:36 pm Operator: Darin DeGruson
Sample : carryover blank Inst : GC/MS Ins
Misc : Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Nov 01 15:42:45 2005
Response via : Continuing Cal File:
DataAcq Meth : GENVOC

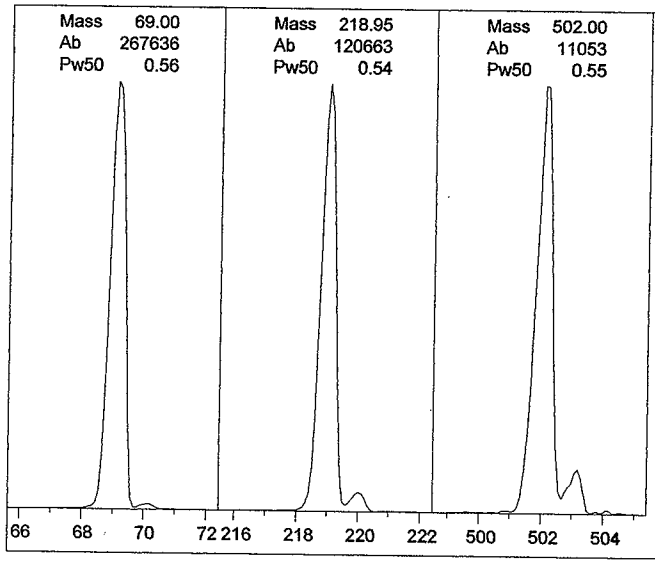
Internal Standards	R.T.	Qion	Response	Conc	Units

HP5972 Standard Spectr... Tune

...ument... Instru...1

Sat Feb 04 09:32:15 2006

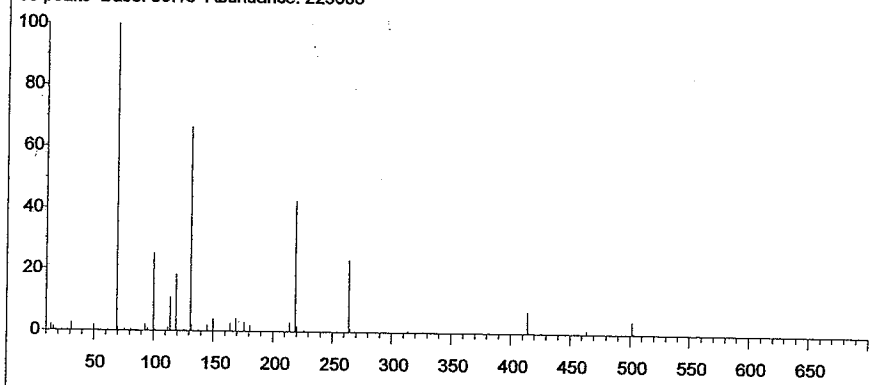
C:\HPCHEM\1\5972\ATUNE.U



EMVolts	2235	AmuGain	566
Xray	59.9	AmuOffs	73
Emission	35.0	Wid219	-0.012
MS Temp	126	TTI	OFF
Vacuum	86	DC Pol	POS
Samples	8	Repeller	25.03
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	42.67
MassGain	213	EntOffs	10.79
MassOffs	10	Filament	2

PFTBA OPEN

Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
98 peaks Base: 69.10 Abundance: 225600

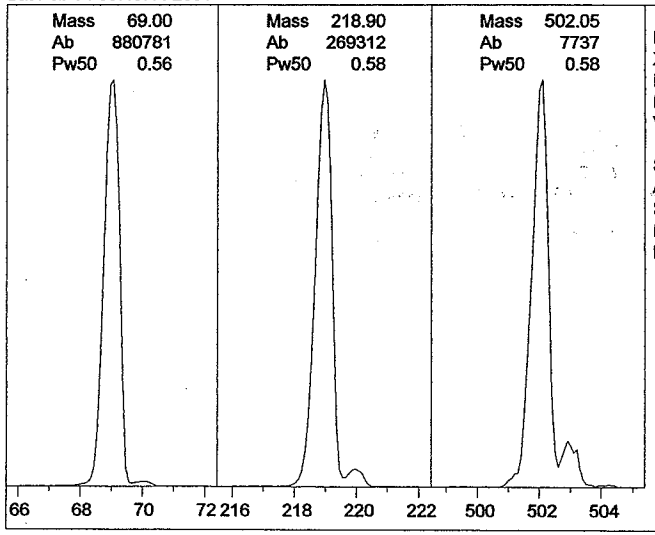


Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.10	225600	100.00	70.10	2832	1.26
218.95	96376	42.72	219.95	4093	4.25
502.00	9377	4.16	503.00	956	10.20

HP5972 BFB Dynamic Target Tune

Sat Feb 04 09:49:44 2006

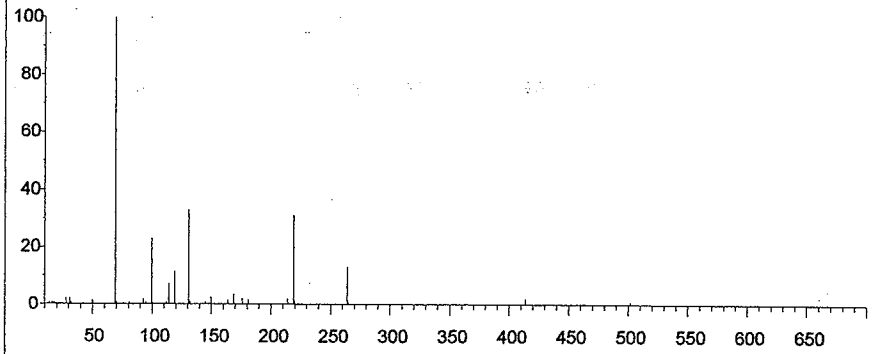
C:\HPCHEM\1\5972\BFB.U



EMVolts	2329	AmuGain	569
Xray	59.9	AmuOffs	80
Emission	35.0	Wid219	0.041
MS Temp	124	TTI	OFF
Vacuum	85	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	223	EntOffs	VAR
MassOffs	8	Filament	2

PFTBA OPEN

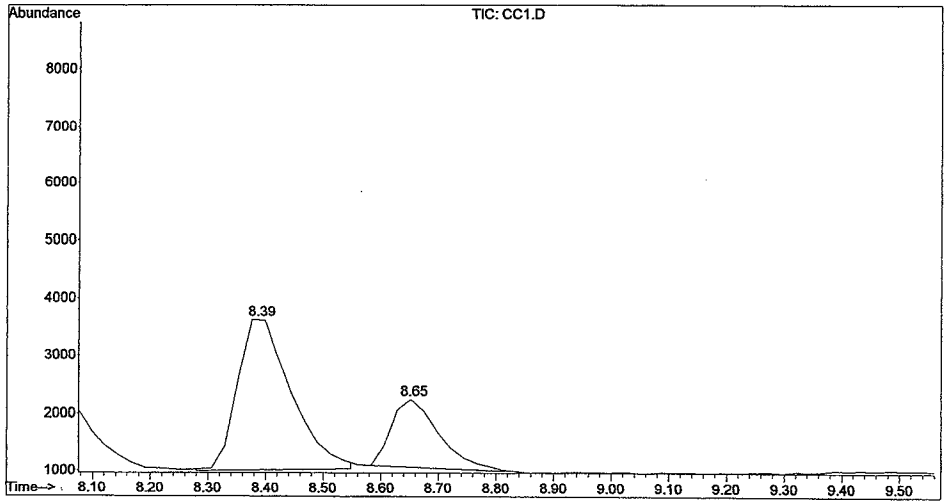
Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
135 peaks Base: 69.00 Abundance: 760000



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	760000	100.00	70.00	8111	1.07
218.90	237440	31.24	219.90	10838	4.56
501.95	7656	1.01	502.95	782	10.21

TARGET MASS:	69	131	219	502
DYNAMIC ENT OFFSET:	17.1	29.1	18.8	19.1
TARGET ABUND(%):	100.0	35.0	30.0	0.8
ACTUAL TUNE ABUND(%):	100.0	33.2	31.2	1.0

: C:\H... M\1\D... 0306\C...
Operator : Darin DeGruson
Acquired : 4 Feb 2006 10:42 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: calibration check
Misc Info : 25 ug/L
Vial Number: 4



Quantitation Report (QT Reviewed)

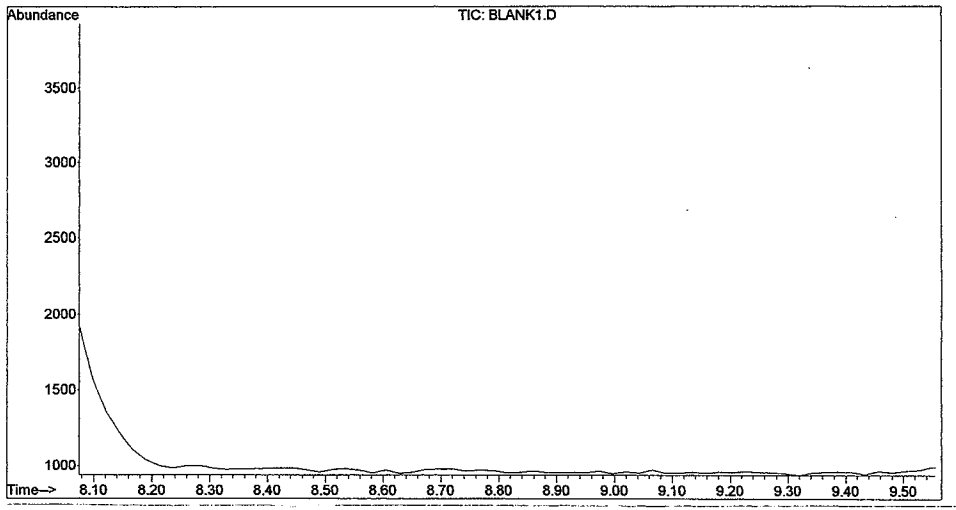
Data File : C:\HPCHEM\1\DATA\020306\CC1.D Vial: 4
Acq On : 4 Feb 2006 10:42 am Operator: Darin DeGruson
Sample : calibration check Inst : GC/MS Ins
Misc : 25 ug/L Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards R.T. Qion Response Conc Units

Target Compounds
14) TCE 8.37 95 82850m 27.55 ug/L
15) 1,2-dichloropropane 8.65 63 14011m 25.48 ug/L

File ...:\HPC...DATA\...\BLAN...
Operator : Darin DeGruson
Acquired : 4 Feb 2006 10:59 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: method blank
Misc Info :
Vial Number: 5



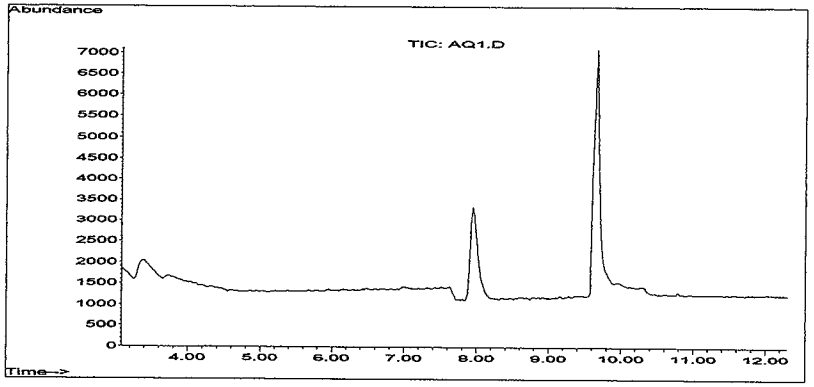
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\BLANK1.D Vial: 5
Acq On : 4 Feb 2006 10:59 am Operator: Darin DeGruson
Sample : method blank Inst : GC/MS Ins
Misc : Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Nov 01 15:42:45 2005
Response via : Continuing Cal File:
DataAcq Meth : GENVOC

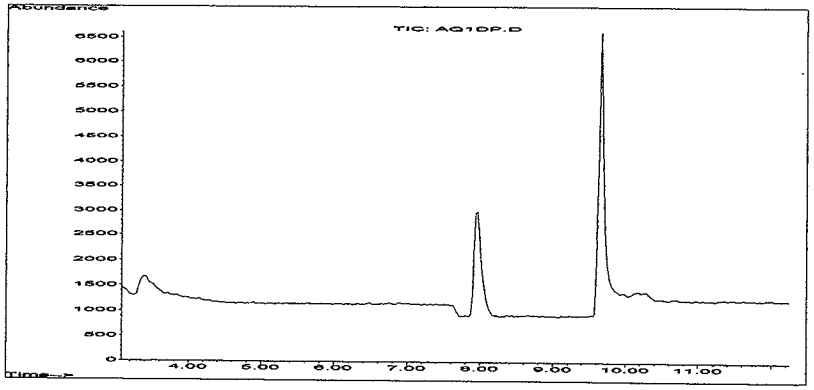
Internal Standards R.T. Qion Response Conc Units

Data File Name	AQ1.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 2:43
Sample Name	GPF-128-025
Misc Info	25 ft



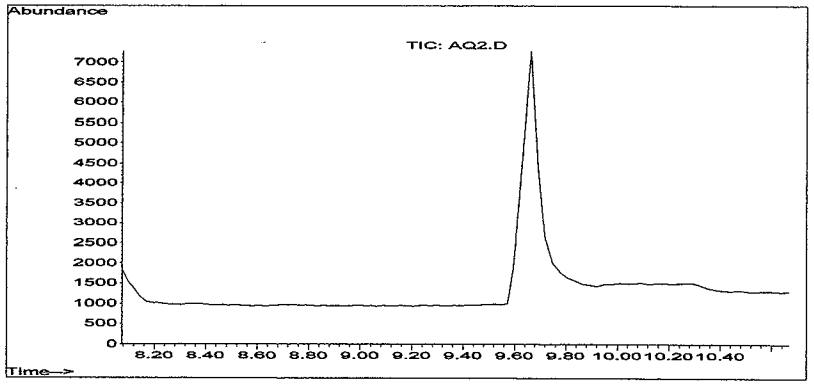
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	0.00	0	0.00	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.96	121472.35	18.24	ug/L

Data File Name	AQ1DP.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 3:01
Sample Name	GPF-228-025 duplicate
Misc Info	25 ft



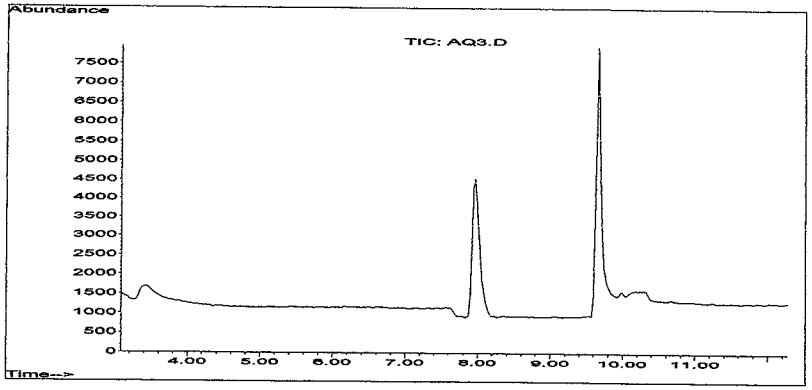
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	0.00	0	0.00	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.97	115964.55	17.42	ug/L

Data File Name	AQ2.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 11:34
Sample Name	GPF-128-045
Misc Info	45 ft



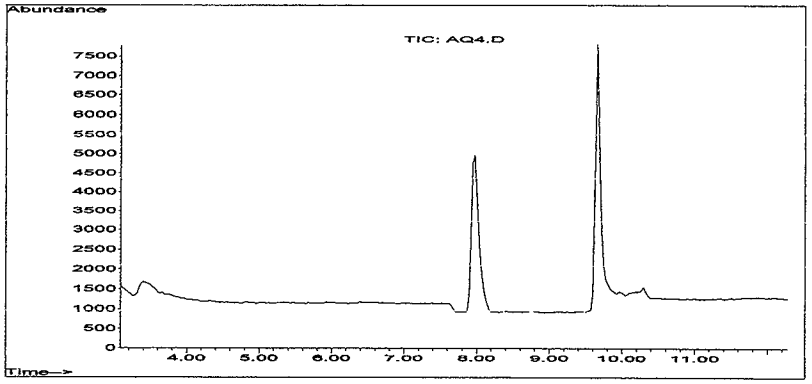
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	0.00	0	0.00	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	0.00	0	0.00	ug/L

Data File Name	AQ3.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 12:07
Sample Name	GPF-128-085
Misc Info	85 ft



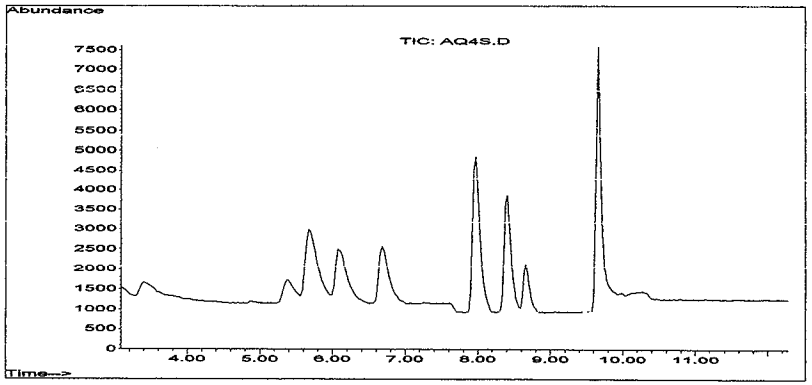
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	0.00	0	0.00	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.96	168233.29	25.27	ug/L

Data File Name	AQ4.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 12:24
Sample Name	GPF-128-065
Misc Info	65 ft



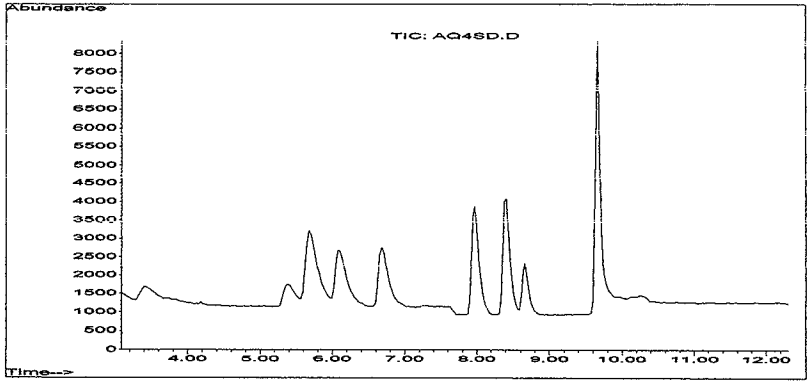
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	0.00	0	0.00	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.96	183728.82	27.59	ug/L

Data File Name	AQ4S.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 12:41
Sample Name	GPF-128-065 matrix spike
Misc Info	25 ug/L



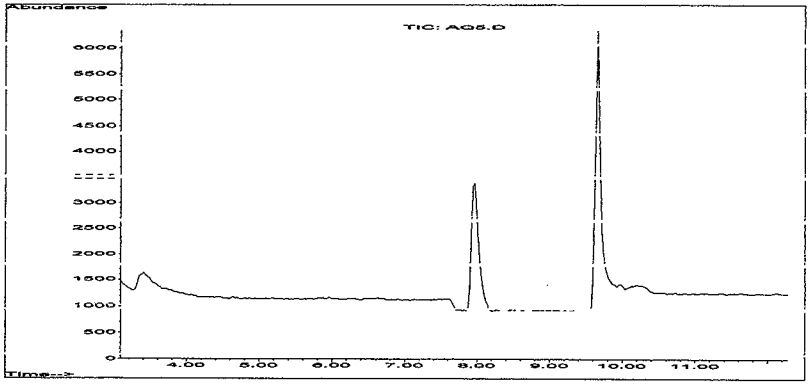
Name	Retention Time	Response	Amount	Units
Methylene Chloride	5.38	50157.738	27.37	ug/L
1,1-DCA	6.10	68266.406	27.47	ug/L
Trans-1,2-dichloroethene	5.70	73573.59	30.77	ug/L
Cis-1,2-DCE	6.69	50766.98	27.62	ug/L
TCE	8.40	91321.051	30.37	ug/L
1,2-dichloropropane	8.66	15204.278	27.65	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.96	166857.6	25.06	ug/L

Data File Name	AQ4SD.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 12:59
Sample Name	GPF-128-065 matrix spike duplicate
Misc Info	25 ug/L



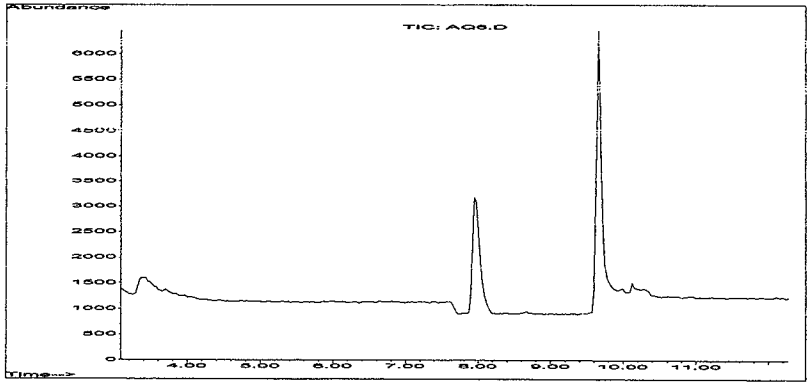
Name	Retention Time	Response	Amount	Units
Methylene Chloride	5.39	53495.569	29.20	ug/L
1,1-DCA	6.08	67367.078	27.11	ug/L
Trans-1,2-dichloroethene	5.67	71220.32	29.79	ug/L
Cis-1,2-DCE	6.69	56259.015	30.61	ug/L
TCE	8.40	94840.668	31.54	ug/L
1,2-dichloropropane	8.65	15778.254	28.70	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.97	162104.63	24.35	ug/L

Data File Name	AQ5.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 3:18
Sample Name	GPF-129-084
Misc Info	84 ft



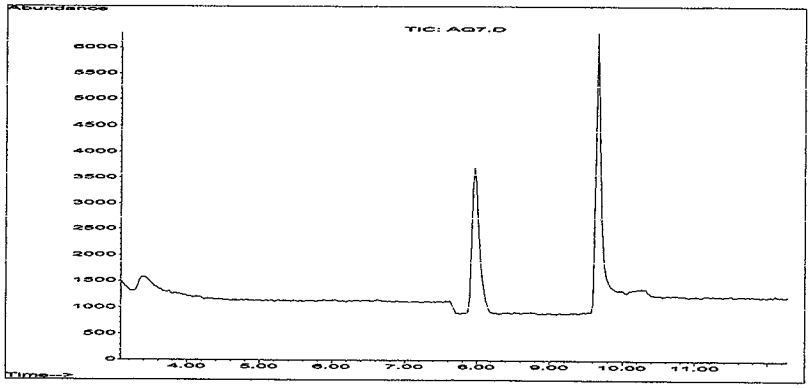
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	0.00	0	0.00	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.97	138788.05	20.84	ug/L

Data File Name	AQ6.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 3:36
Sample Name	GPF-129-065
Misc Info	65 ft



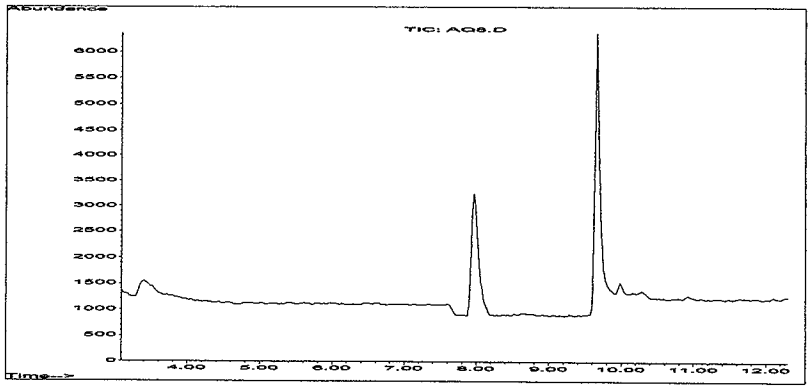
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	0.00	0	0.00	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.97	125450.78	18.84	ug/L

Data File Name	AQ7.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 3:53
Sample Name	GPF-127-025
Misc Info	25 ft



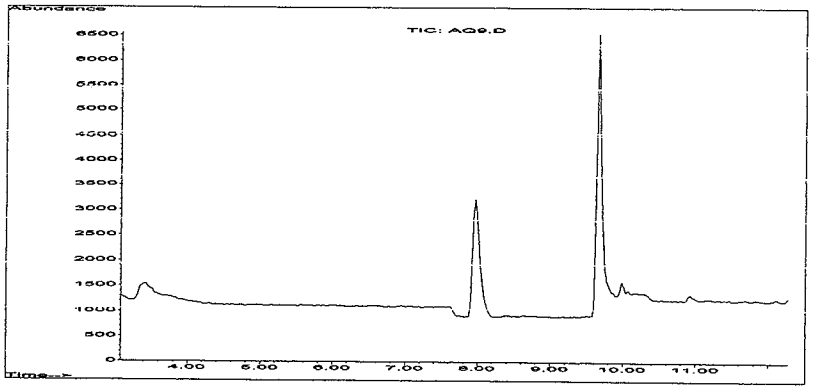
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	8.40	286.77	0.10	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.98	153241.84	23.02	ug/L

Data File Name	AQ8.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 4:10
Sample Name	GPF-127-045
Misc Info	45 ft



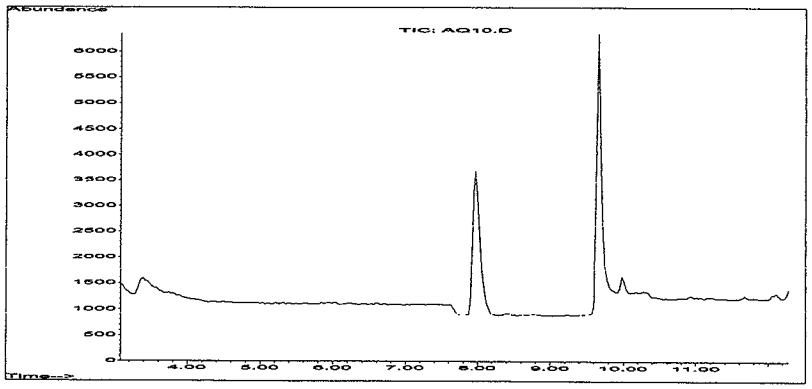
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	6.82	221.767	0.12	ug/L
TCE	8.38	243.013	0.08	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.98	126343.87	18.98	ug/L

Data File Name	AQ9.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 4:27
Sample Name	GPF-127-065
Misc Info	65 ft



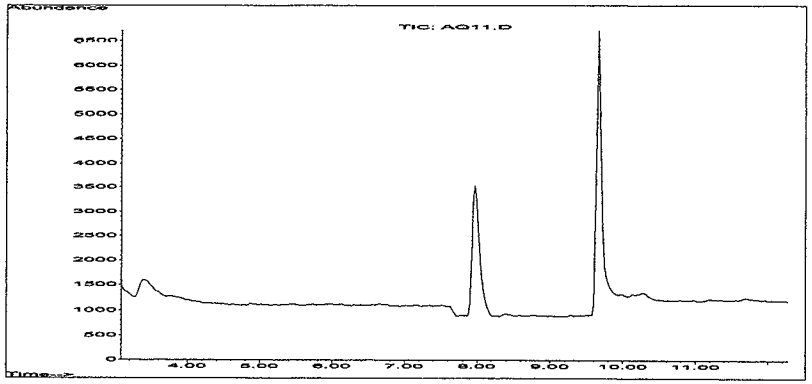
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	8.40	924.595	0.31	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.98	126609.16	19.02	ug/L

Data File Name	AQ10.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 4:44
Sample Name	GPF-127-083
Misc Info	83 ft



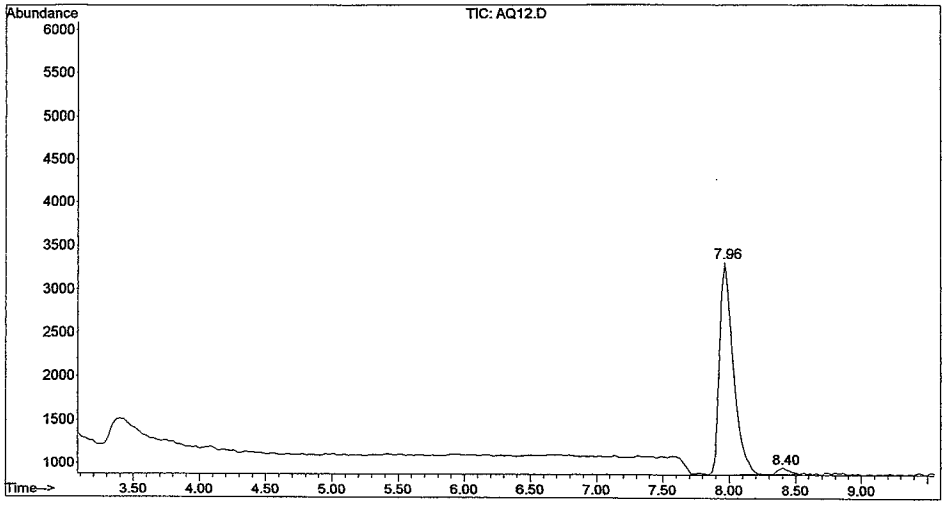
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	8.40	794.171	0.26	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.98	150829.37	22.65	ug/L

Data File Name AQ11.D
Operator Darin DeGruson
Date Acquired 2/4/2006 5:01
Sample Name GPF-129-025
Misc Info 25 ft



Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	8.40	1078.824	0.36	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.98	144584.48	21.72	ug/L

File : C:\HPCHEM\1\DATA\020306\AQ12.D
Operator : Darin DeGruson
Acquired : 4 Feb 2006 5:18 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-129-045
Misc Info : 45 ft
Vial Number: 10



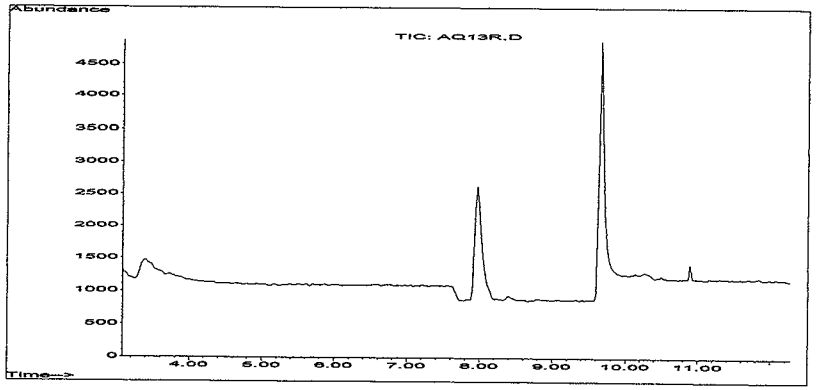
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ12.D Vial: 10
Acq On : 4 Feb 2006 5:18 pm Operator: Darin DeGruson
Sample : GPF-129-045 Inst : GC/MS Ins
Misc : 45 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

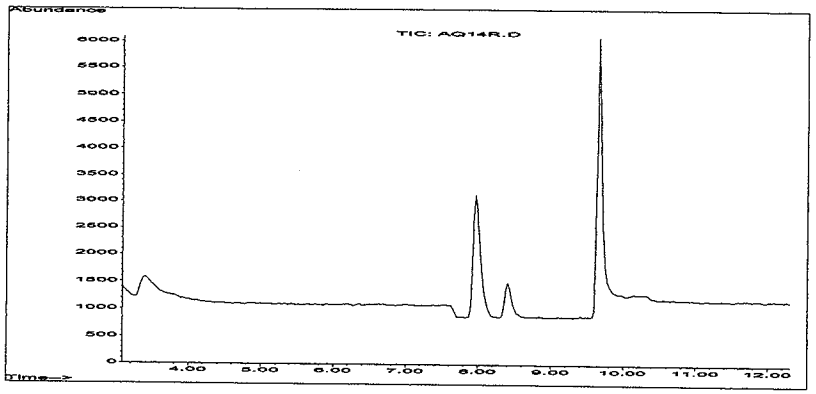
Internal Standards	R.T.	Qion	Response	Conc	Units
System Monitoring Compounds					
13) Fluorobenzene	7.97	96	130633	19.62	ug/L
Spiked Amount 20.000			Recovery = 98.10%		
Target Compounds					
14) TCE	8.40	95	1709	0.57	ug/L

Data File Name	AQ13R.D
Operator	Darin DeGruson
Date Acquired	2/5/2006 12:35
Sample Name	GPF-123-065 rerun
Misc Info	65 ft



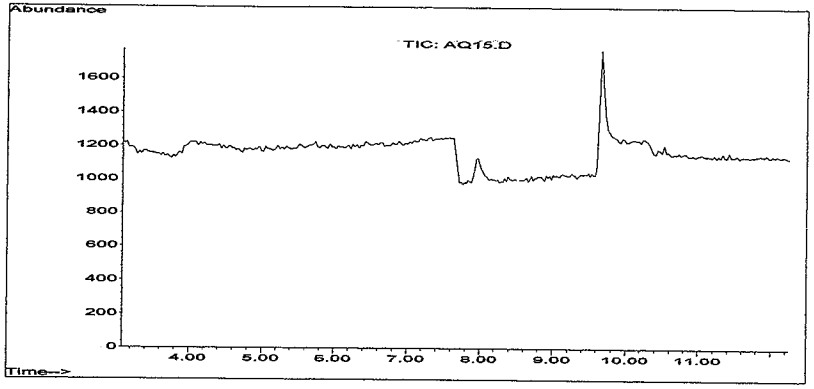
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	8.40	2169.378	0.72	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.96	99911.308	15.01	ug/L

Data File Name	AQ14R.D
Operator	Darin DeGruson
Date Acquired	2/5/2006 12:52
Sample Name	GPF-123-045 rerun
Misc Info	45 ft



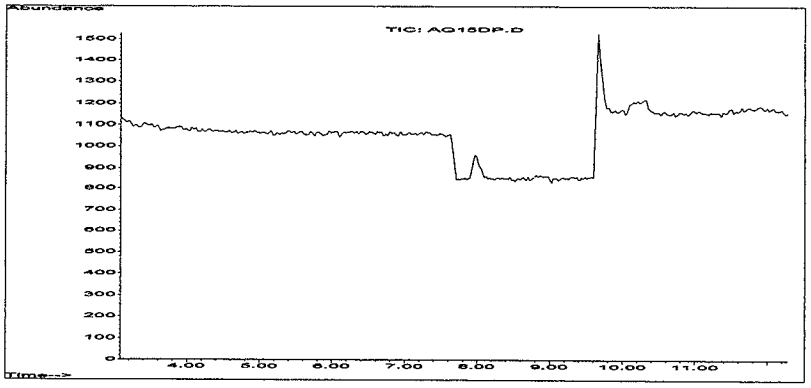
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	6.53	446.056	0.24	ug/L
TCE	8.41	21490.696	7.15	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.98	121898.21	18.31	ug/L

Data File Name	AQ15.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 6:39
Sample Name	GPF-123-025
Misc Info	25 ft



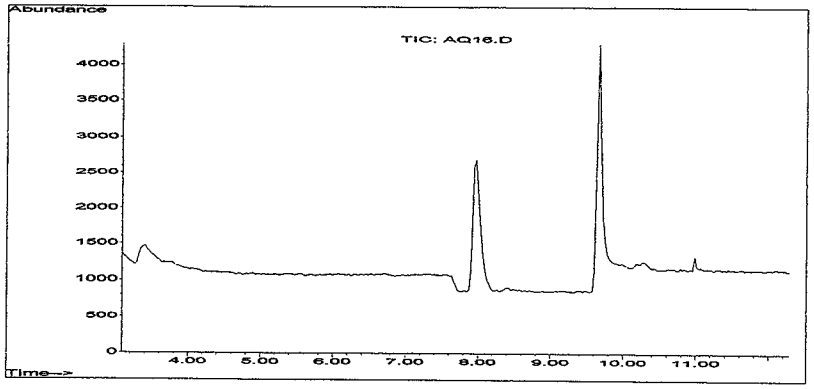
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	0.00	0	0.00	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.96	112412.99	16.88	ug/L

Data File Name	AQ15DP.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 7:40
Sample Name	GPF-223-025 duplicate
Misc Info	25 ft



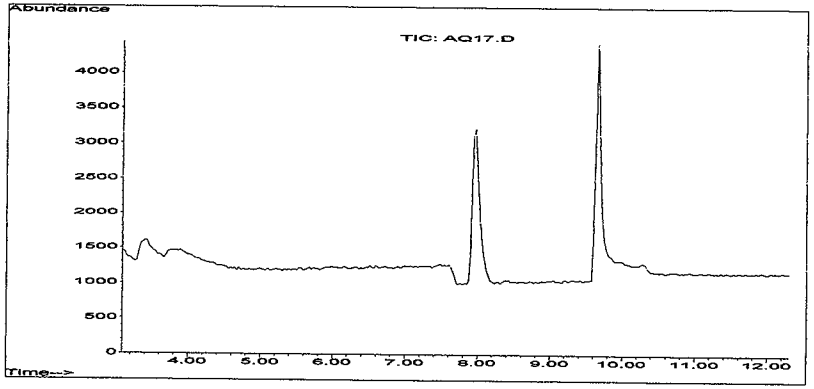
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	0.00	0	0.00	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.96	96721.955	14.53	ug/L

Data File Name	AQ16.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 7:24
Sample Name	GPF-123-085
Misc Info	85 ft



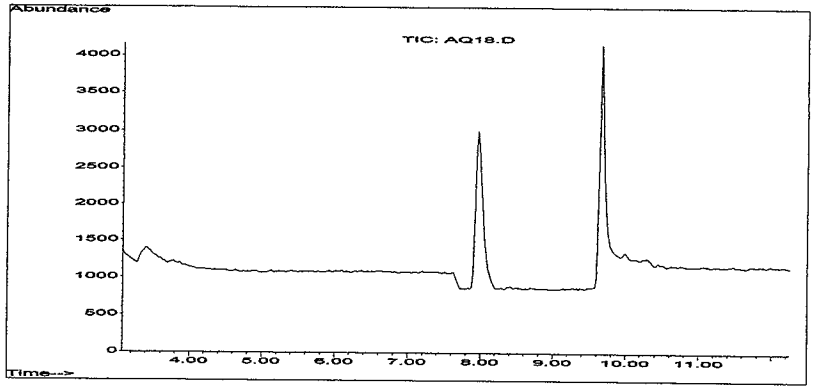
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	8.40	1798.861	0.60	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.97	102442.4	15.39	ug/L

Data File Name	AQ17.D
Operator	Darin DeGruson
Date Acquired	2/4/2006 9:07
Sample Name	GPF-126-045
Misc Info	45 ft



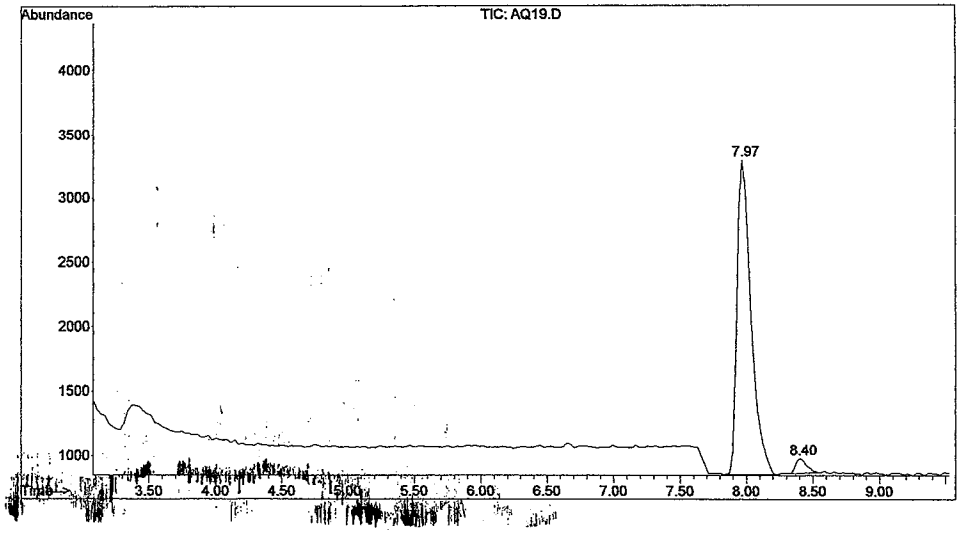
Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	8.38	1750.663	0.58	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.97	124894.56	18.76	ug/L

Data File Name AQ18.D
Operator Darin DeGruson
Date Acquired 2/4/2006 9:27
Sample Name GPF-126-065
Misc Info 65 ft



Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	8.40	772.223	0.26	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.97	116373.42	17.48	ug/L

File : C:\HPCHEM\1\DATA\020306\AQ19.D
Operator : Darin DeGruson
Acquired : 4 Feb 2006 9:44 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-126-025
Misc Info : 25 ft
Vial Number: 7



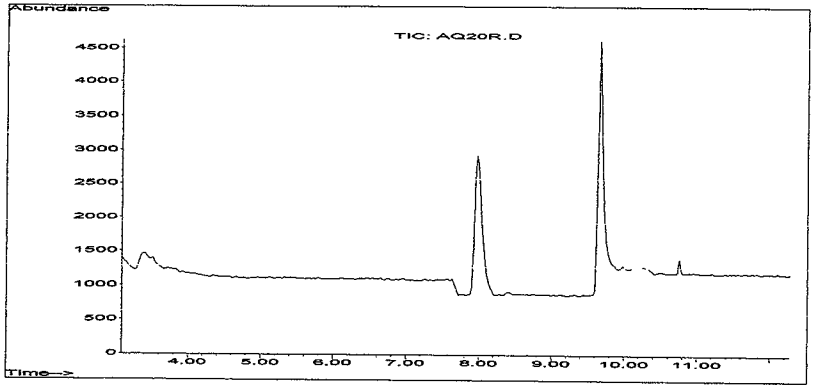
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ19.D Vial: 7
Acq On : 4 Feb 2006 9:44 pm Operator: Darin DeGruson
Sample : GPF-126-025 Inst : GC/MS Ins
Misc : 25 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

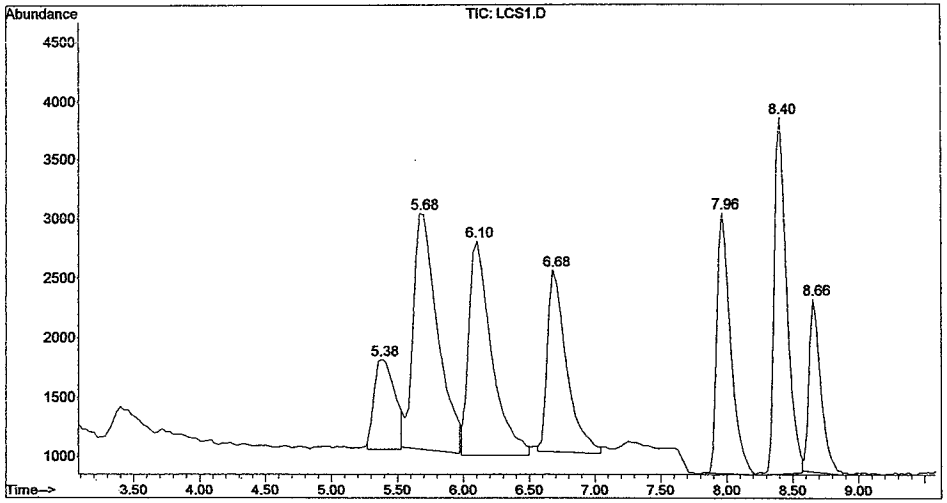
Internal Standards	R.T.	Qion	Response	Conc	Units
System Monitoring Compounds					
13) Fluorobenzene	7.98	96	134784	20.24	ug/L 0.02
Spiked Amount 20.000			Recovery = 101.20%		
Target Compounds					
14) TCE	8.40	95	4246	1.41	ug/L

Data File Name AQ20R.D
Operator Darin DeGruson
Date Acquired 2/5/2006 1:10
Sample Name GPF-126-082 rerun
Misc Info 82 ft



Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	8.42	1160.574	0.39	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.98	112752.41	16.93	ug/L

File C:\HPCHEM\1\DATA\020306\LCS1.D
Operator : Darin DeGruson
Acquired : 4 Feb 2006 7:57 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: LCS
Misc Info : 25 ug/L
Vial Number: 4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\LCS1.D Vial: 4
Acq On : 4 Feb 2006 7:57 pm Operator: Darin DeGruson
Sample : LCS Inst : GC/MS Ins
Misc : 25 ug/L Multiplr: 1.00

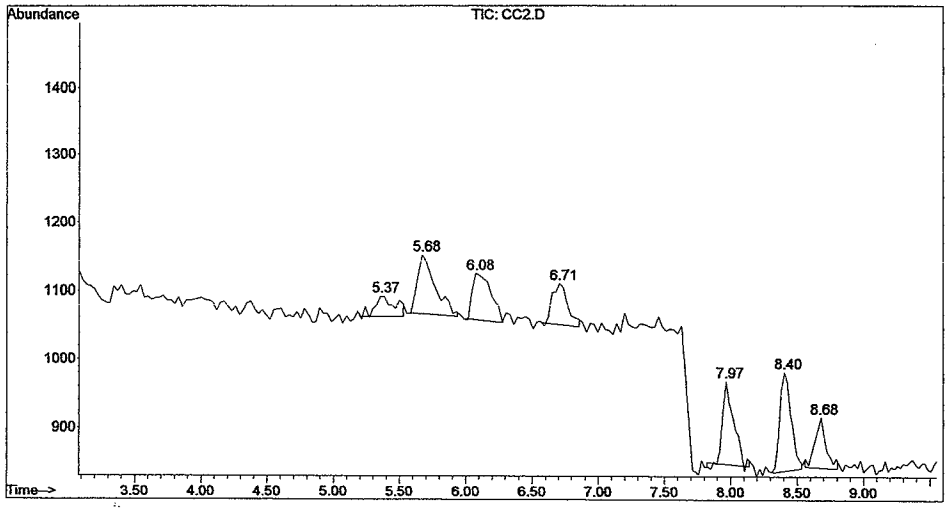
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 117731 17.68 ug/L
Spiked Amount 20.000 Recovery = 88.40%

Target Compounds
4) Methylene Chloride 5.38 49 46329 25.28 ug/L
5) Trans-1,2-dichloroethene 5.70 96 66223 27.70 ug/L
6) 1,1-DCA 6.10 63 66655 26.82 ug/L
7) Cis-1,2-DCE 6.68 61 47487 25.84 ug/L
14) TCE 8.40 95 78858 26.22 ug/L
15) 1,2-dichloropropane 8.65 63 15184 27.62 ug/L

File [redacted]:\HPC[redacted]DATA[redacted]\CC2.[redacted]
Operator : Darin DeGruson
Acquired : 4 Feb 2006 10:18 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: calibration check
Misc Info : 25 ug/L
Vial Number: 9



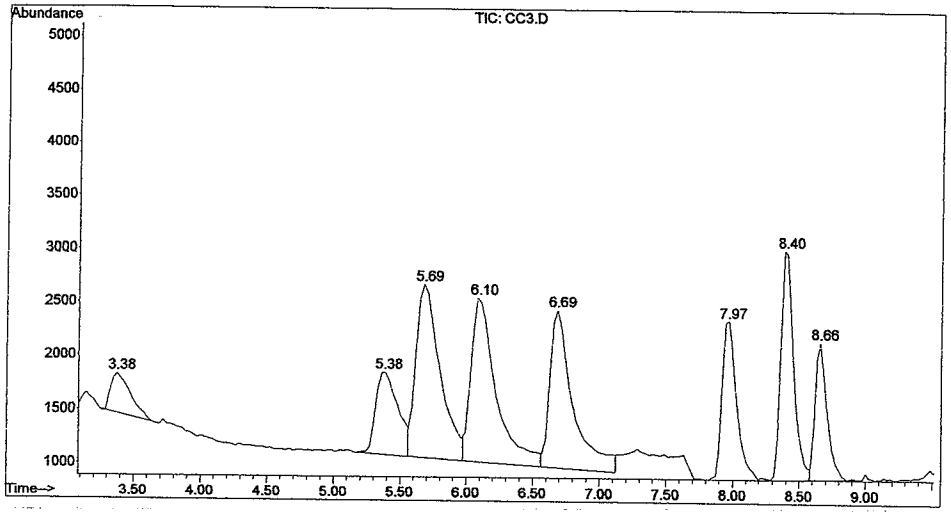
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\CC2.D Vial: 9
Acq On : 4 Feb 2006 10:18 pm Operator: Darin DeGruson
Sample : calibration check Inst : GC/MS Ins
Misc : 25 ug/L Multiplr: 20.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc	Units	Dev(Min)
System Monitoring Compounds						
13) Fluorobenzene	7.96	96	5761	17.4	ug/L	0.00
Target Compounds						
4) Methylene Chloride	5.38	49	1729	18.87	ug/L	
5) Trans-1,2-dichloroethene	5.70	96	3105	25.97	ug/L	
6) 1,1-DCA	6.13	63	3322	26.74	ug/L	
7) Cis-1,2-DCE	6.71	61	2191	23.84	ug/L	
14) TCE	8.40	95	4075	27.10	ug/L	
15) 1,2-dichloropropane	8.68	63	674	24.52	ug/L	

: C:\H... /\1\DA... 306\C...
Operator : Darin DeGruson
Acquired : 5 Feb 2006 12:01 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: calibration check
Misc Info : 25 ug/L
Vial Number: 1



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\CC3.D Vial: 1
Acq On : 5 Feb 2006 12:01 pm Operator: Darin DeGruson
Sample : calibration check Inst : GC/MS Ins
Misc : 25 ug/L Multiplr: 1.00

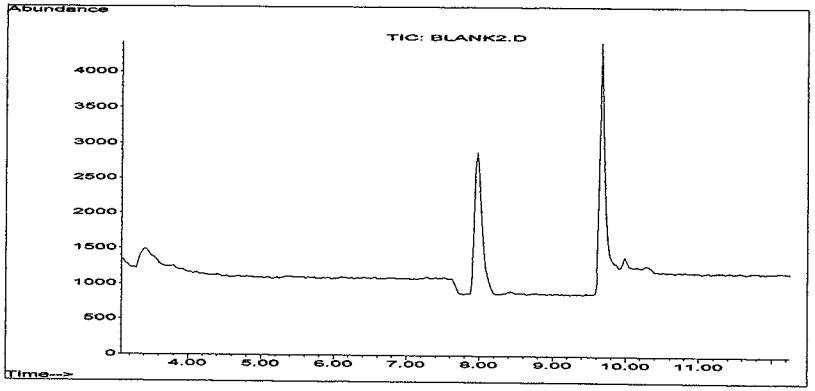
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units	Dev(Min)

System Monitoring Compounds
13) Fluorobenzene 7.96 96 106849 16.05 ug/L
Spiked Amount 20.000 Recovery = 80.25%

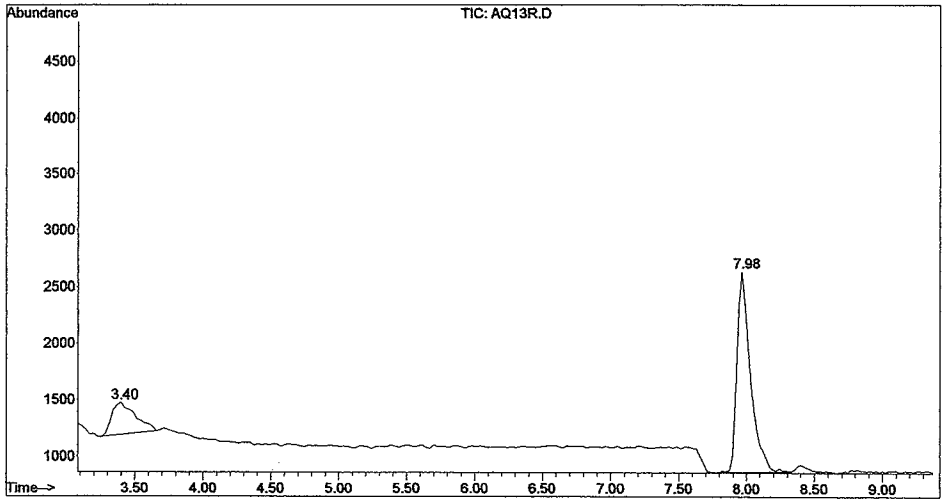
Target Compounds
4) Methylene Chloride 5.36 49 53055 28.96 ug/L
5) Trans-1,2-dichloroethene 5.70 96 58777 24.58 ug/L
6) 1,1-DCA 6.10 63 71691 28.85 ug/L
7) Cis-1,2-DCE 6.68 61 47632 25.91 ug/L
14) TCE 8.40 95 75610 25.14 ug/L
15) 1,2-dichloropropane 8.66 63 15025 27.33 ug/L

Data File Name	BLANK2.D
Operator	Darin DeGruson
Date Acquired	2/5/2006 12:18
Sample Name	method blank
Misc Info	



Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	0.00	0	0.00	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.98	110328.88	16.57	ug/L

: C:\H[illegible]\1\DA[illegible]306\A[illegible]
Operator : Darin DeGruson
Acquired : 5 Feb 2006 12:35 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-123-065 rerun
Misc Info : 65 ft
Vial Number: 3



Quantitation Report (QT Reviewed)

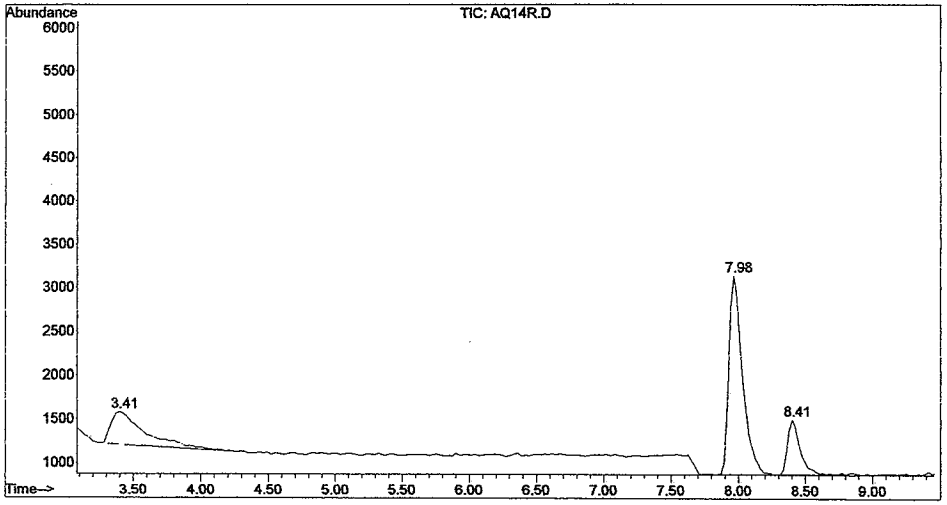
Data File : C:\HPCHEM\1\DATA\020306\AQ13R.D Vial: 3
Acq On : 5 Feb 2006 12:35 pm Operator: Darin DeGruson
Sample : GPF-123-065 rerun Inst : GC/MS Ins
Misc : 65 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.96 96 99911m 15.01 ug/L
Spiked Amount 20.000 Recovery = 75.05%

File [illegible]\HPCI[illegible]DATA\[illegible]\AQ14[illegible]
Operator : Darin DeGruson
Acquired : 5 Feb 2006 12:52 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-123-045 rerun
Misc Info : 45 ft
Vial Number: 4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ14R.D Vial: 4
Acq On : 5 Feb 2006 12:52 pm Operator: Darin DeGruson
Sample : GPF-123-045 rerun Inst : GC/MS Ins
Misc : 45 ft Multiplr: 1.00

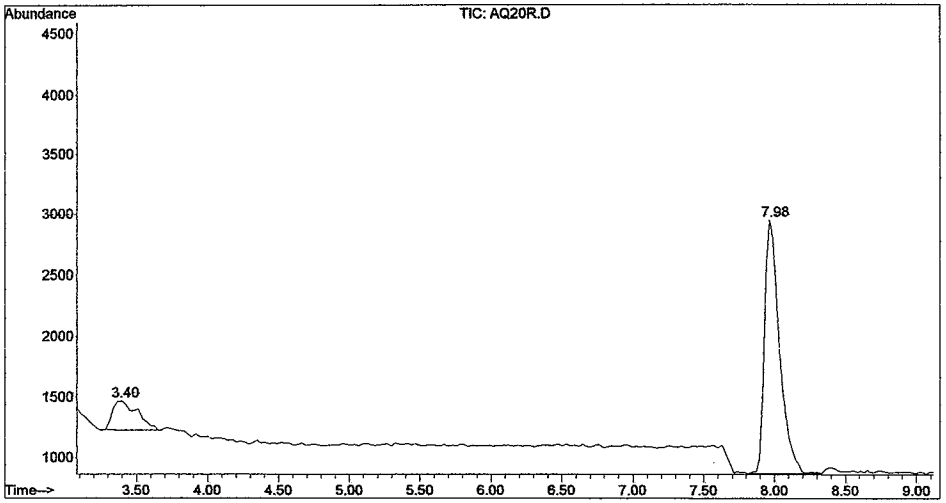
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.98 96 121898 18.31 ug/L
Spiked Amount 20.000 Recovery = 91.55%

Target Compounds
14) TCE 8.41 95 21491 7.15 ug/L

File : C:\H[illegible]M\1\DA[illegible]306\A[illegible]
Operator : Darin DeGruson
Acquired : 5 Feb 2006 1:10 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-126-082 rerun
Misc Info : 82 ft
Vial Number: 5



Quantitation Report (QT Reviewed)

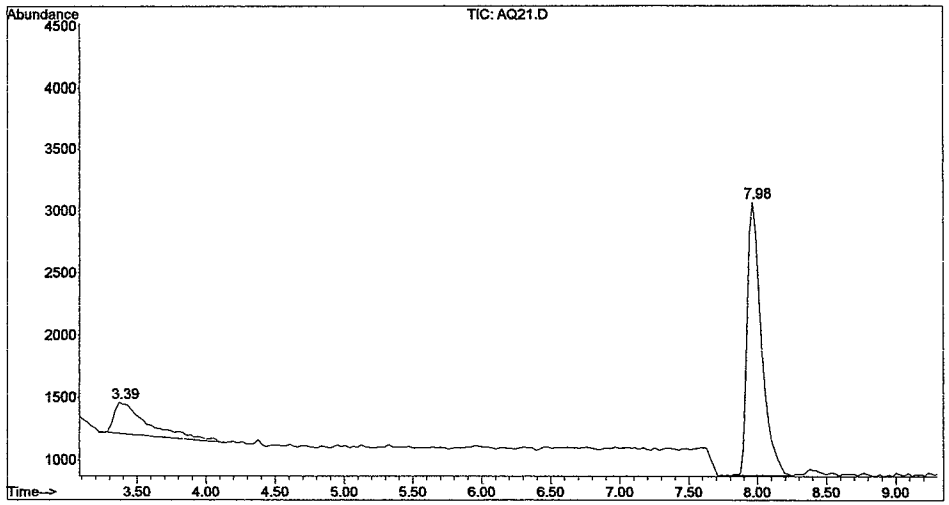
Data File : C:\HPCHEM\1\DATA\020306\AQ20R.D Vial: 5
Acq On : 5 Feb 2006 1:10 pm Operator: Darin DeGruson
Sample : GPF-126-082 rerun Inst : GC/MS Ins
Misc : 82 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.98 96 112752 16.93 ug/L
Spiked Amount 20.000 Recovery = 84.65%

File : C:\HPCHEM\1\DATA\020306\AQ21.D
Operator : Darin DeGruson
Acquired : 5 Feb 2006 1:27 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-124-065
Misc Info : 65 ft
Vial Number: 6



Quantitation Report (QT Reviewed)

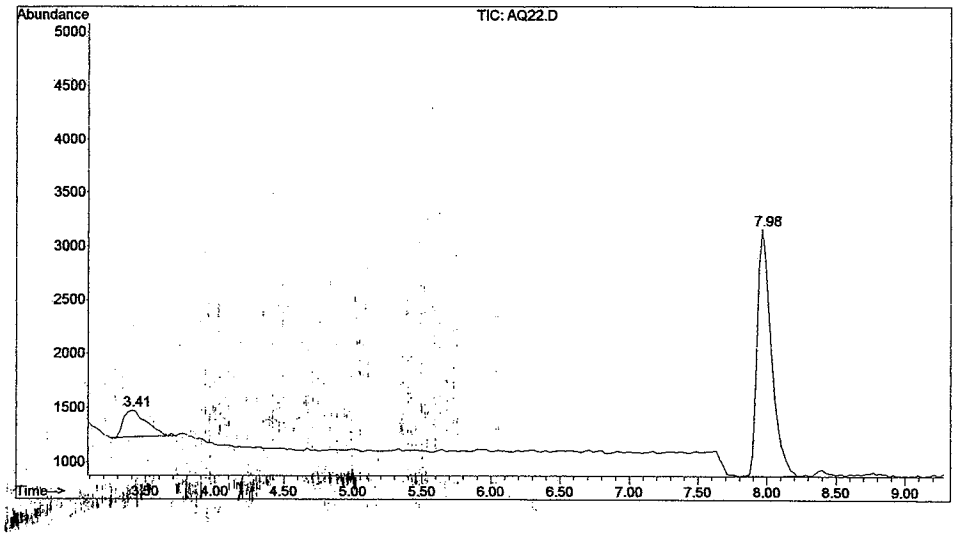
Data File : C:\HPCHEM\1\DATA\020306\AQ21.D Vial: 6
Acq On : 5 Feb 2006 1:27 pm Operator: Darin DeGruson
Sample : GPF-124-065 Inst : GC/MS Ins
Misc : 65 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.98 96 119520 17.95 ug/L
Spiked Amount 20.000 Recovery = 89.75%

: C:\H /\1\DA 306\A
Operator : Darin DeGruson
Acquired : 5 Feb 2006 1:44 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-124-081
Misc Info : 81 ft
Vial Number: 7



Quantitation Report (QT Reviewed)

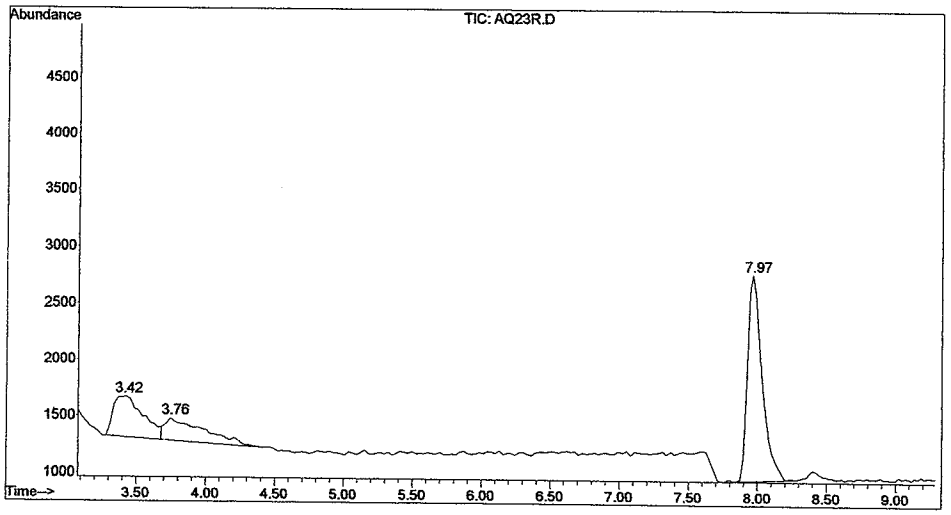
Data File : C:\HPCHEM\1\DATA\020306\AQ22.D Vial: 7
Acq On : 5 Feb 2006 1:44 pm Operator: Darin DeGruson
Sample : GPF-124-081 Inst : GC/MS Ins
Misc : 81 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.98 96 122133 18.34 ug/L
Spiked Amount 20.000 Recovery = 91.70%

File : C:\HPCHEM\1\DATA\020306\AQ23R.D
Operator : Darin DeGruson
Acquired : 5 Feb 2006 4:01 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-124-045
Misc Info : 45 ft
Vial Number: 1



Quantitation Report (QT Reviewed)

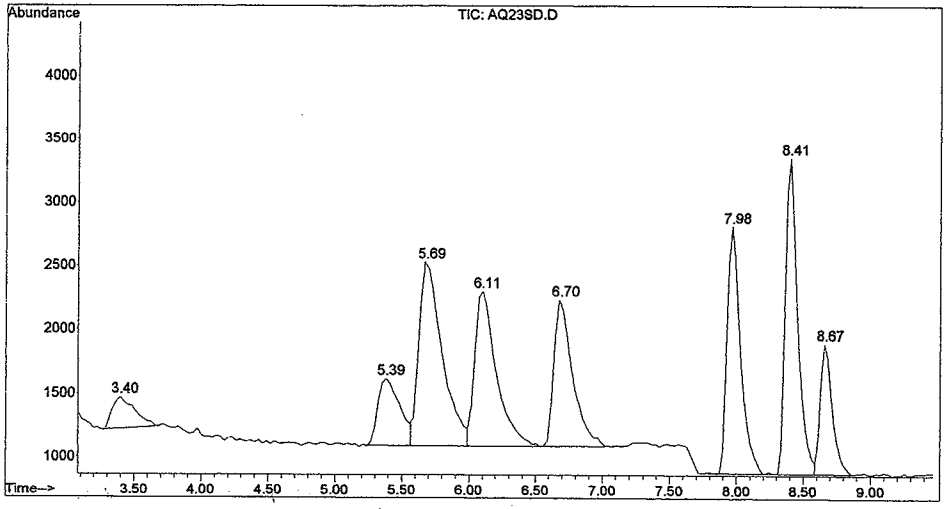
Data File : C:\HPCHEM\1\DATA\020306\AQ23R.D Vial: 1
Acq On : 5 Feb 2006 4:01 pm Operator: Darin DeGruson
Sample : GPF-124-045 Inst : GC/MS Ins
Misc : 45 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 100830 15.14 ug/L
Spiked Amount 20.000 Recovery = 75.70%

: C:\H[illegible]/\1\DA[illegible]306\A[illegible].D
Operator : Darin DeGruson
Acquired : 5 Feb 2006 2:34 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-124-045 matrix spike duplicate
Misc Info : 25 ug/L
Vial Number: 10



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ23SD.D Vial: 10
Acq On : 5 Feb 2006 2:34 pm Operator: Darin DeGruson
Sample : GPF-124-045 matrix spike duplicate Inst : GC/MS Ins
Misc : 25 ug/L Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

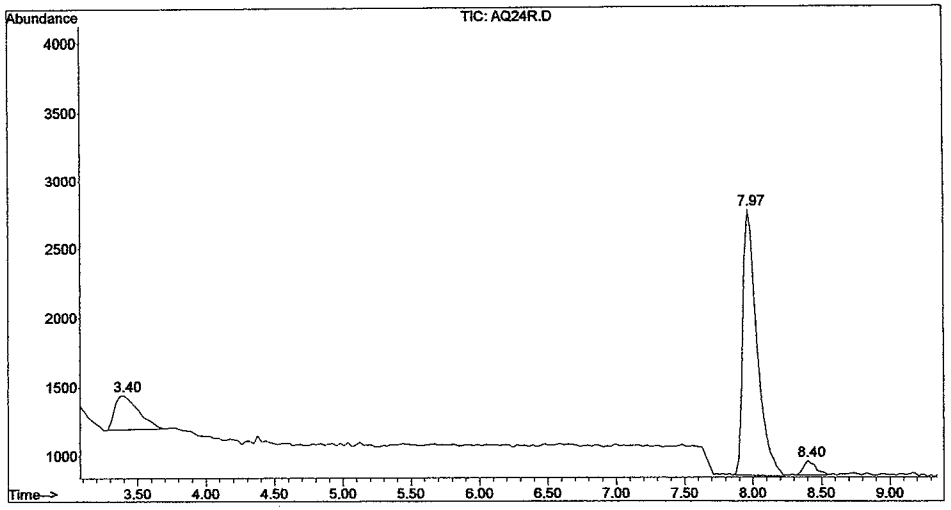
System Monitoring Compounds

13) Fluorobenzene	7.97	96	102289	15.36 ug/L
Spiked Amount 20.000			Recovery = 76.80%	

Target Compounds

4) Methylene Chloride	5.38	49	45843	25.02 ug/L
5) Trans-1,2-dichloroethene	5.71	96	56218	23.51 ug/L
6) 1,1-DCA	6.11	63	58138	23.40 ug/L
7) Cis-1,2-DCE	6.68	61	42356	23.04 ug/L
14) TCE	8.41	95	84182	27.99 ug/L
15) 1,2-dichloropropane	8.67	63	11984	21.80 ug/L

File : C:\HPCHEM\1\DATA\0[illegible]AQ24R.D
Operator : Darin DeGruson
Acquired : 5 Feb 2006 4:35 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-124-025 rerun
Misc Info : 25 ft
Vial Number: 3



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ24R.D Vial: 3
Acq On : 5 Feb 2006 4:35 pm Operator: Darin DeGruson
Sample : GPF-124-025 rerun Inst : GC/MS Ins
Misc : 25 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

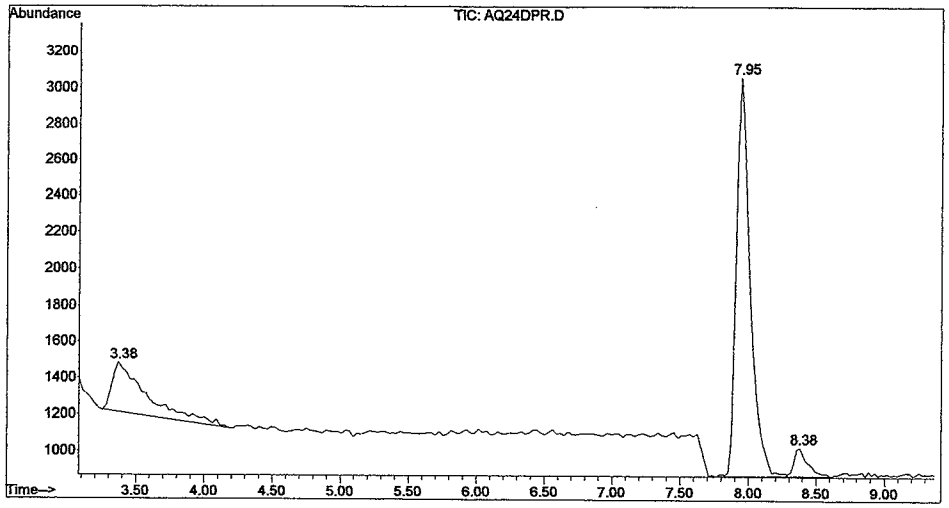
System Monitoring Compounds

13) Fluorobenzene	7.98	96	103124	15.49 ug/L
Spiked Amount 20.000			Recovery = 77.45%	

Target Compounds

14) TCE	8.40	95	3135	1.04 ug/L

F... : C:\HP...\1\DA...306\AQ24DPR.D
Operator : Darin DeGruson
Acquired : 6 Feb 2006 12:28 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-224-025 rerun
Misc Info : 25 ft
Vial Number: 3



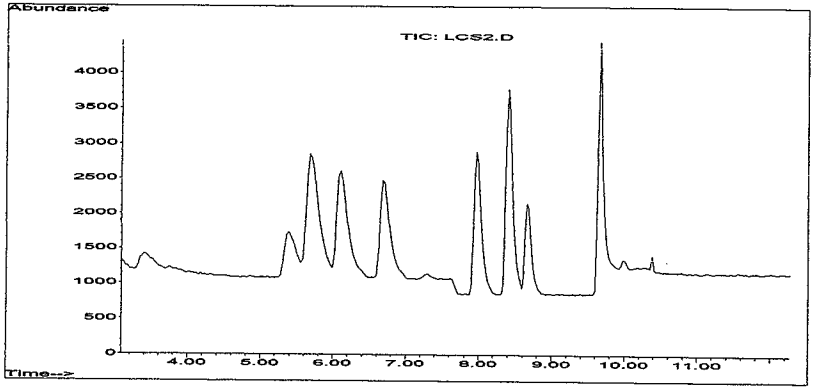
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ24DPR.D Vial: 3
Acq On : 6 Feb 2006 12:28 pm Operator: Darin DeGruson
Sample : GPF-224-025 rerun Inst : GC/MS Ins
Misc : 25 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

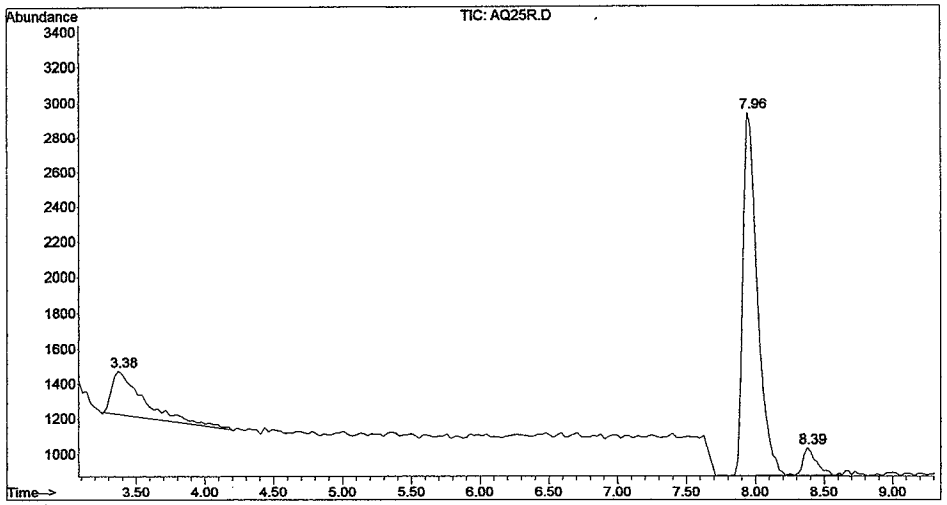
Internal Standards	R.T.	Qlon	Response	Conc Units
System Monitoring Compounds				
13) Fluorobenzene	7.95	96	116104	17.44 ug/L
Spiked Amount 20.000			Recovery =	87.20%
Target Compounds				
14) TCE	8.38	95	4409	1.47 ug/L

Data File Name LCS2.D
Operator Darin DeGruson
Date Acquired 2/5/2006 4:52
Sample Name LCS
Misc Info 25 ug/L



Name	Retention Time	Response	Amount	Units
Methylene Chloride	5.40	47782.849	26.08	ug/L
1,1-DCA	6.12	74745.43	30.08	ug/L
Trans-1,2-dichloroethene	5.71	68606.18	28.70	ug/L
Cis-1,2-DCE	6.70	48991.163	26.65	ug/L
TCE	8.40	89519.032	29.77	ug/L
1,2-dichloropropane	8.67	15702.07	28.56	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.98	111011.81	16.67	ug/L

File : C:\HP[illegible]\1\DA[illegible]06\AQ[illegible]
Operator : Darin DeGruson
Acquired : 6 Feb 2006 12:45 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-122-025 rerun
Misc Info : 25 ft
Vial Number: 4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ25R.D Vial: 4
Acq On : 6 Feb 2006 12:45 pm Operator: Darin DeGruson
Sample : GPF-122-025 rerun Inst : GC/MS Ins
Misc : 25 ft Multiplr: 1.00

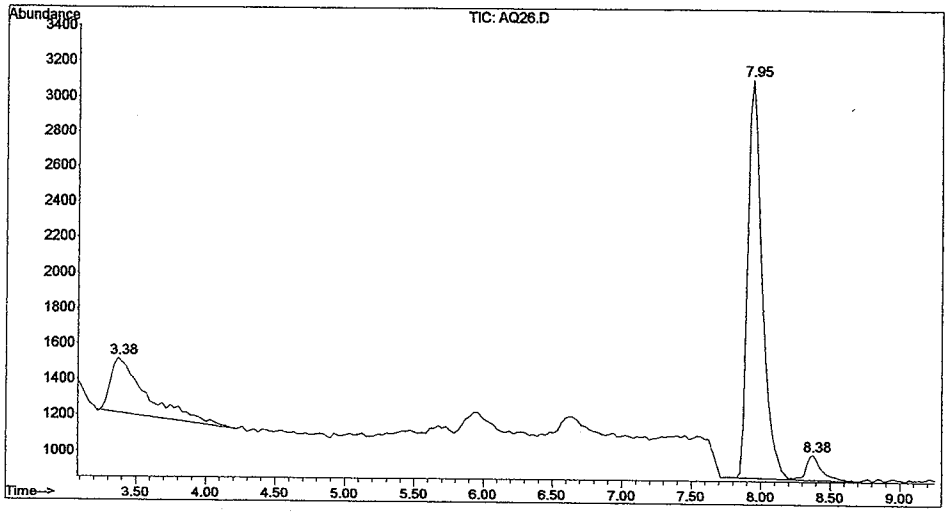
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.96 96 112991 16.97 ug/L
Spiked Amount 20.000 Recovery = 84.85%

Target Compounds
14) TCE 8.38 95 5606m 1.86 ug/L

File : HPCH[illegible]ATA\0[illegible]AQ26.[illegible]
Operator : Darin DeGruson
Acquired : 6 Feb 2006 10:30 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-122-045
Misc Info : 45 ft
Vial Number: 6



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ26.D Vial: 6
Acq On : 6 Feb 2006 10:30 am Operator: Darin DeGruson
Sample : GPF-122-045 Inst : GC/MS Ins
Misc : 45 ft Multiplr: 1.00

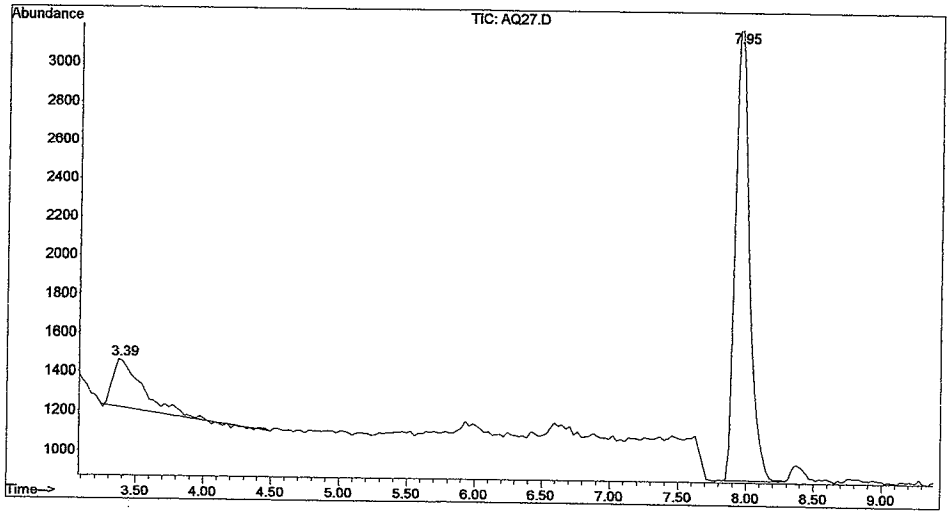
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.95 96 122052 18.33 ug/L
Spiked Amount 20.000 Recovery = 91.65%

Target Compounds
14) TCE 8.38 95 3916 1.30 ug/L

: C:\H[illegible]M\1\D[illegible]306\A[illegible]
Operator : Darin DeGruson
Acquired : 6 Feb 2006 10:46 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-122-085
Misc Info : 85 ft
Vial Number: 7



Quantitation Report (QT Reviewed)

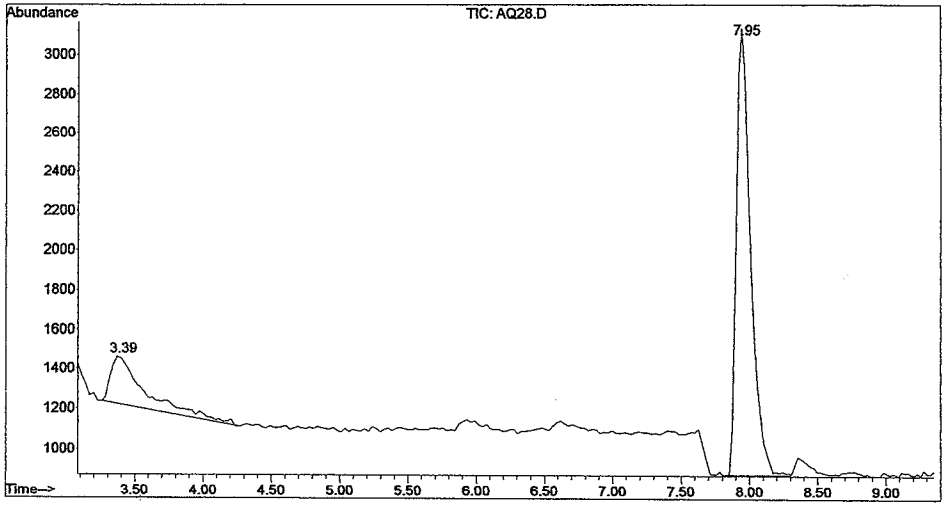
Data File : C:\HPCHEM\1\DATA\020306\AQ27.D Vial: 7
Acq On : 6 Feb 2006 10:46 am Operator: Darin DeGruson
Sample : GPF-122-085 Inst : GC/MS Ins
Misc : 85 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.95 96 129950 19.52 ug/L
Spiked Amount 20.000 Recovery = 97.60%

File : C:\HPCHEM\1\DATA\[illegible]AQ28.D
Operator : Darin DeGruson
Acquired : 6 Feb 2006 11:03 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-122-065
Misc Info : 65 ft
Vial Number: 8



Quantitation Report (QT Reviewed)

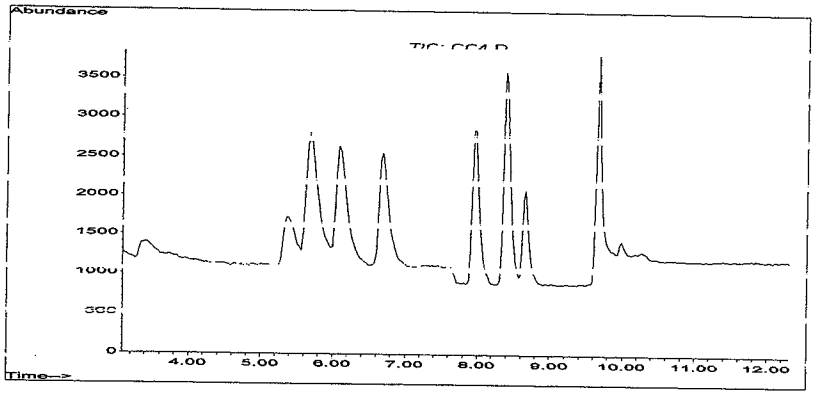
Data File : C:\HPCHEM\1\DATA\020306\AQ28.D Vial: 8
Acq On : 6 Feb 2006 11:03 am Operator: Darin DeGruson
Sample : GPF-122-065 Inst : GC/MS Ins
Misc : 65 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

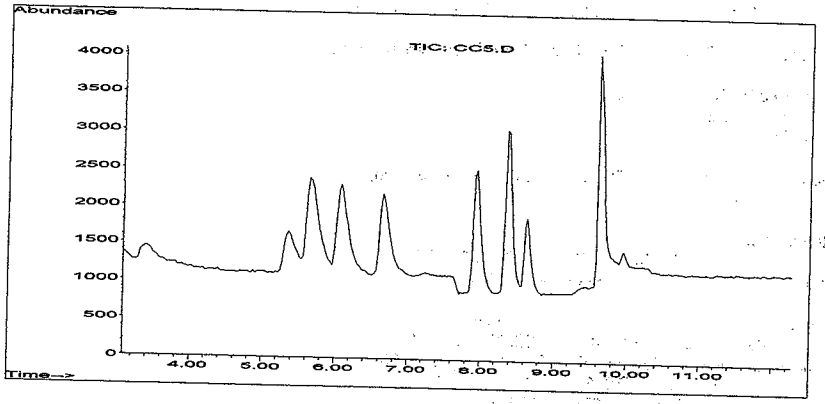
System Monitoring Compounds
13) Fluorobenzene 7.95 96 124075 18.64 ug/L
Spiked Amount 20.000 Recovery = 93.20%

Data File Name	CC4.D
Operator	Darin DeGruson
Date Acquired	2/6/2006 11:18
Sample Name	calibration check
Misc Info	25 ug/L



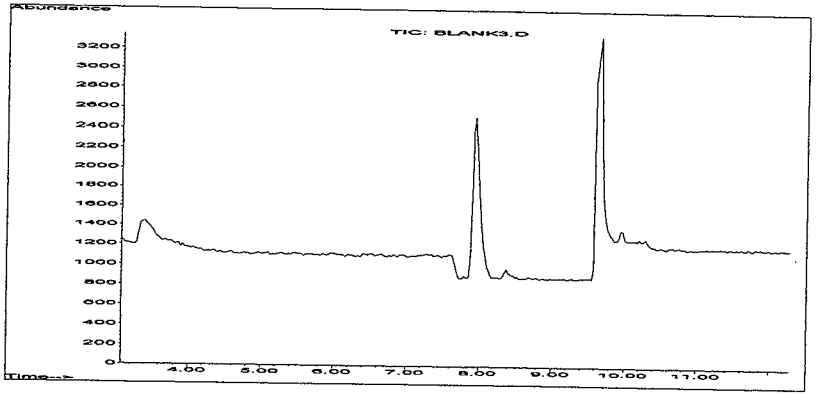
Name	Retention Time	Response	Amount	Units
Methylene Chloride	5.38	45412.283	24.78	ug/L
1,1-DCA	6.10	72706.54	29.26	ug/L
Trans-1,2-dichloroethene	5.69	64831.58	27.12	ug/L
Cis-1,2-DCE	6.68	47878.005	26.05	ug/L
TCE	8.40	92806.029	30.86	ug/L
1,2-dichloropropane	8.66	14519.77	26.41	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.96	105517.41	15.85	ug/L

Data File Name	CC5.D
Operator	Darin DeGruson
Date Acquired	2/6/2006 11:53
Sample Name	calibration check
Misc Info	25 ug/L



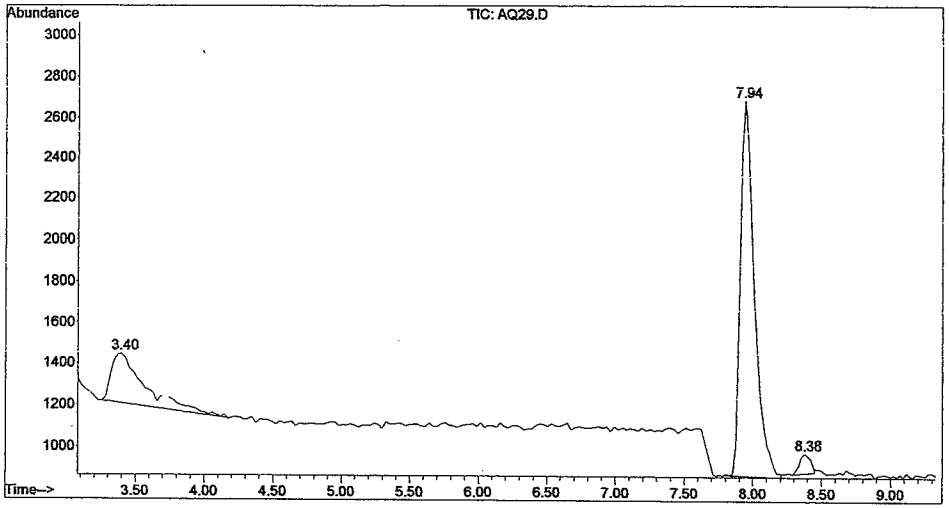
Name	Retention Time	Response	Amount	Units
Methylene Chloride	5.37	40369.871	22.03	ug/L
1,1-DCA	6.08	57291.769	23.06	ug/L
Trans-1,2-dichloroethene	5.68	50274.86	21.03	ug/L
Cis-1,2-DCE	6.66	37373.783	20.33	ug/L
TCE	8.38	76438.825	25.42	ug/L
1,2-dichloropropane	8.63	12200.21	22.19	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.94	102494	15.39	ug/L

Data File Name BLANK3.D
Operator Darin DeGruson
Date Acquired 2/6/2006 12:11
Sample Name method blank
Misc Info



Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	0.00	0	0.00	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.94	105254.11	15.81	ug/L

File :C:\HPCHEM\1\DATA\020306\AQ29.D
Operator : Darin DeGruson
Acquired : 6 Feb 2006 1:02 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-125-045
Misc Info : 45 ft
Vial Number: 5



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ29.D Vial: 5
Acq On : 6 Feb 2006 1:02 pm Operator: Darin DeGruson
Sample : GPF-125-045 Inst : GC/MS Ins
Misc : 45 ft Multiplr: 1.00

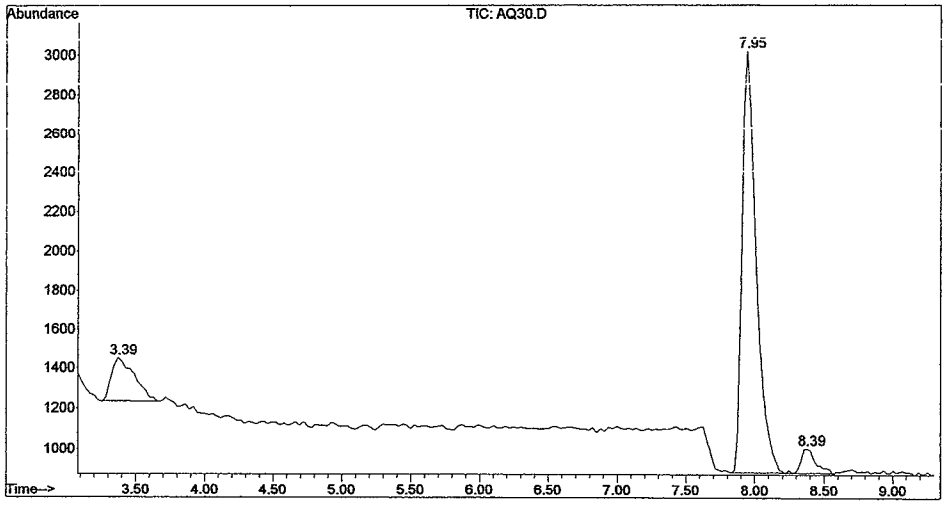
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.94 96 109233m 16.41 ug/L
Spiked Amount 20.000 Recovery = 82.05%

Target Compounds
14) TCE 8.35 95 3380m 1.12 ug/L

File : C:\H[illegible]M\1\D[illegible]0306V[illegible]
Operator : Darin DeGruson
Acquired : 6 Feb 2006 1:20 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-125-065
Misc Info : 65 ft
Vial Number: 6



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ30.D Vial: 6
Acq On : 6 Feb 2006 1:20 pm Operator: Darin DeGruson
Sample : GPF-125-065 Inst : GC/MS Ins
Misc : 65 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

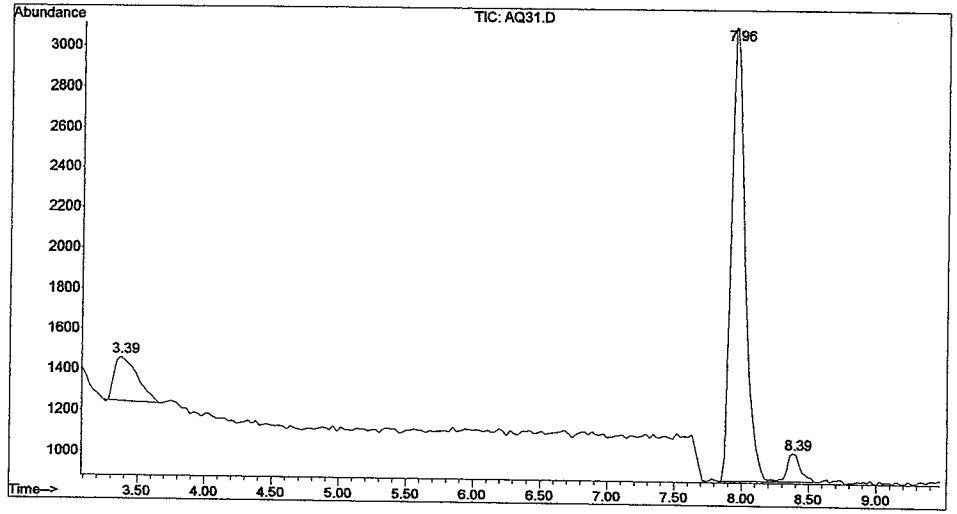
System Monitoring Compounds

13) Fluorobenzene	7.95	96	115693	17.38 ug/L
Spiked Amount 20.000			Recovery = 86.90%	

Target Compounds

14) TCE	8.38	95	4265m	1.42 ug/L

File : C:\HPC[illegible]DATA[illegible]\AQ31.D
Operator : Darin DeGruson
Acquired : 6 Feb 2006 1:36 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-125-025
Misc Info : 25 ft
Vial Number: 7



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ31.D Vial: 7
Acq On : 6 Feb 2006 1:36 pm Operator: Darin DeGruson
Sample : GPF-125-025 Inst : GC/MS Ins
Misc : 25 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

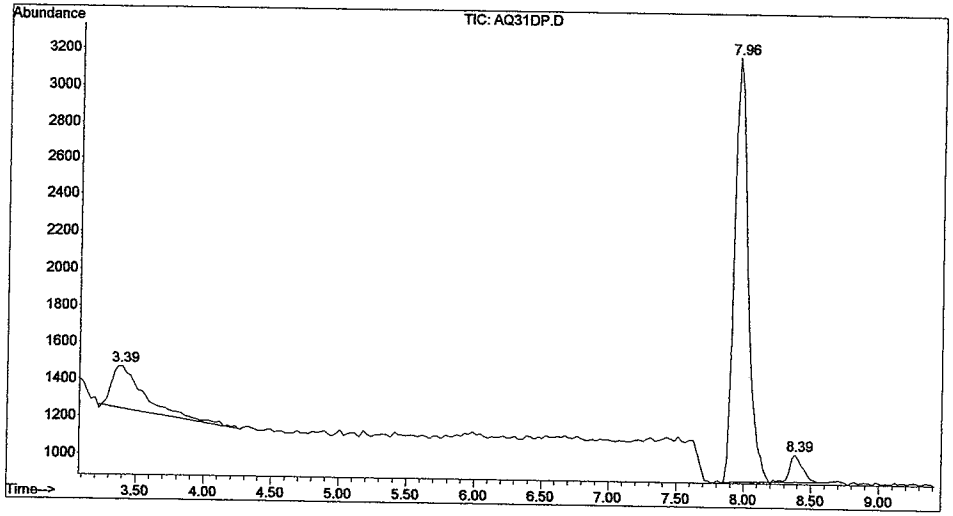
System Monitoring Compounds

13) Fluorobenzene	7.96	96	121091	18.19 ug/L
Spiked Amount 20.000			Recovery = 90.95%	

Target Compounds

14) TCE	8.38	95	4197	1.40 ug/L

: C:\H[illegible]M\1\DA[illegible]306\A[illegible].D
Operator : Darin DeGruson
Acquired : 6 Feb 2006 2:10 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-225-025 duplicate
Misc Info : 25 ft
Vial Number: 9



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ31DP.D Vial: 9
Acq On : 6 Feb 2006 2:10 pm Operator: Darin DeGruson
Sample : GPF-225-025 duplicate Inst : GC/MS Ins
Misc : 25 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Sat Feb 04 13:48:29 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

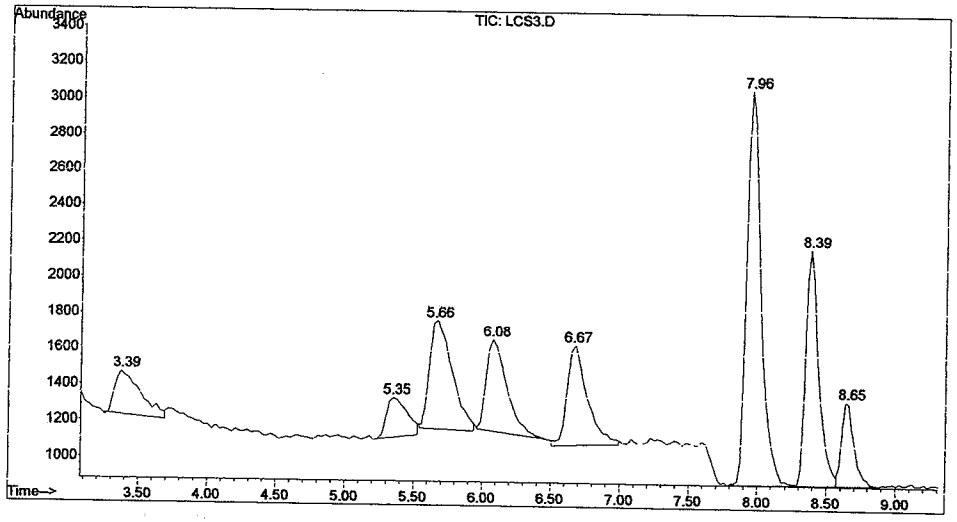
System Monitoring Compounds

13) Fluorobenzene	7.96	96	126129	18.94 ug/L
Spiked Amount 20.000			Recovery = 94.70%	

Target Compounds

14) TCE	8.38	95	4352m	1.45 ug/L

File [illegible]:\HPC[illegible]DATA\[illegible]\LCS3.D
Operator : Darin DeGruson
Acquired : 6 Feb 2006 2:27 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: LCS
Misc Info : 10 ug/L
Vial Number: 10



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\LCS3.D Vial: 10
Acq On : 6 Feb 2006 2:27 pm Operator: Darin DeGruson
Sample : LCS Inst : GC/MS Ins
Misc : 10 ug/L Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

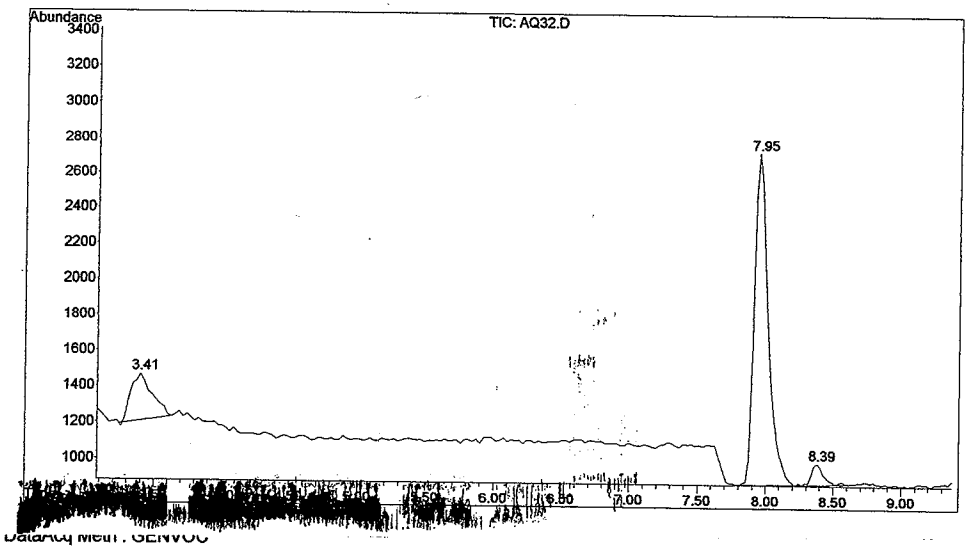
System Monitoring Compounds

13) Fluorobenzene	7.96	96	121613	18.27 ug/L
Spiked Amount 20.000			Recovery = 91.35%	

Target Compounds

4) Methylene Chloride	5.35	49	17495	9.26 ug/L
5) Trans-1,2-dichloroethene	5.69	96	26551	10.49 ug/L
6) 1,1-DCA	6.09	63	26117	10.22 ug/L
7) Cis-1,2-DCE	6.68	61	17724	9.39 ug/L
14) TCE	8.38	95	33120	10.76 ug/L
15) 1,2-dichloropropane	8.63	63	5469	9.96 ug/L

: C:\H... M\1\D... 0306\A...
Operator : Darin DeGruson
Acquired : 6 Feb 2006 1:53 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-125-085
Misc Info : 85 ft
Vial Number: 8



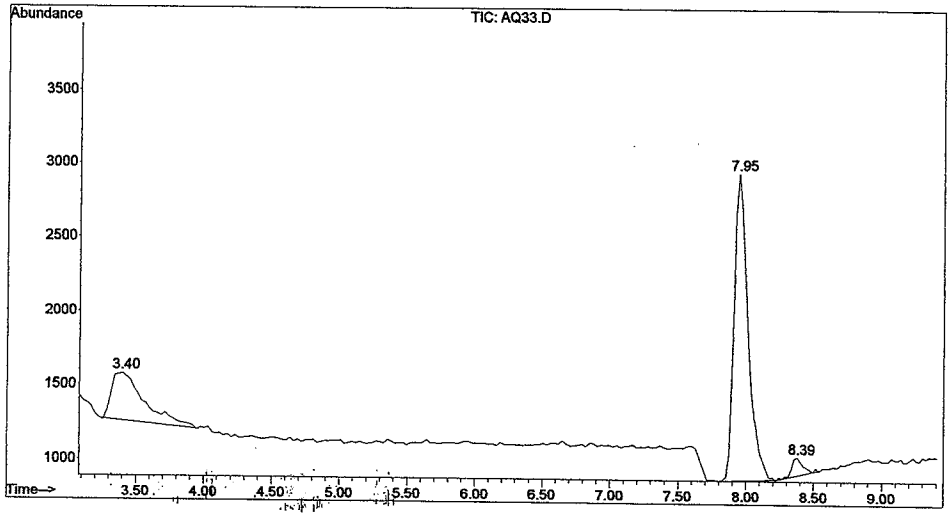
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.95 96 101786 15.29 ug/L
Spiked Amount 20.000 Recovery = 76.45%

Target Compounds
14) TCE 8.38 95 3485m 1.16 ug/L

File : C:\HPC...DATA\...\AQ33.D
Operator : Darin DeGruson
Acquired : 6 Feb 2006 2:54 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-121-085
Misc Info : 85 ft
Vial Number: 1



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ33.D Vial: 1
Acq On : 6 Feb 2006 2:54 pm Operator: Darin DeGruson
Sample : GPF-121-085 Inst : GC/MS Ins
Misc : 85 ft Multiplr: 1.00

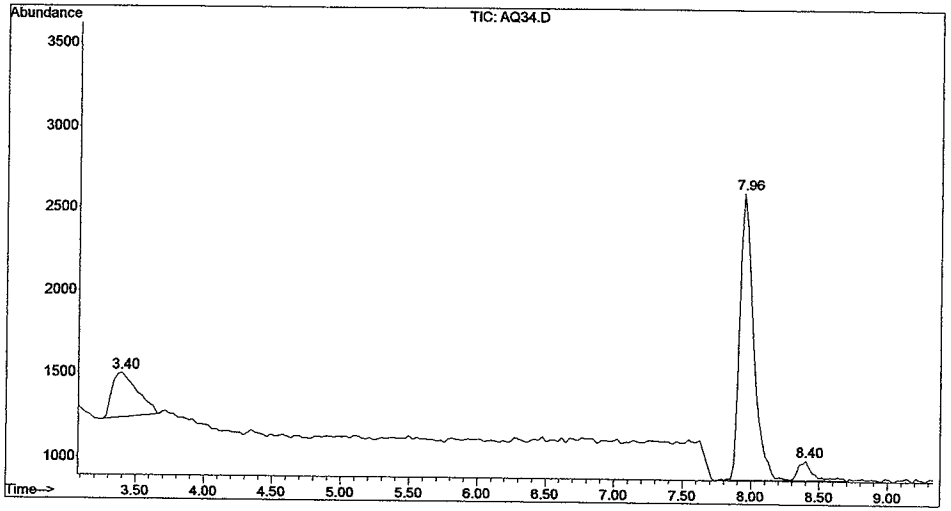
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Mon Feb 06 14:55:28 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.95 96 113356 17.03 ug/L
Spiked Amount 20.000 Recovery = 85.15%

Target Compounds
14) TCE 8.38 95 2518 0.85 ug/L

: C:\H... M\1\D... 0306\A...
Operator : Darin DeGruson
Acquired : 6 Feb 2006 3:11 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-121-065
Misc Info : 65 ft
Vial Number: 2



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ34.D Vial: 2
Acq On : 6 Feb 2006 3:11 pm Operator: Darin DeGruson
Sample : GPF-121-065 Inst : GC/MS Ins
Misc : 65 ft Multiplr: 1.00

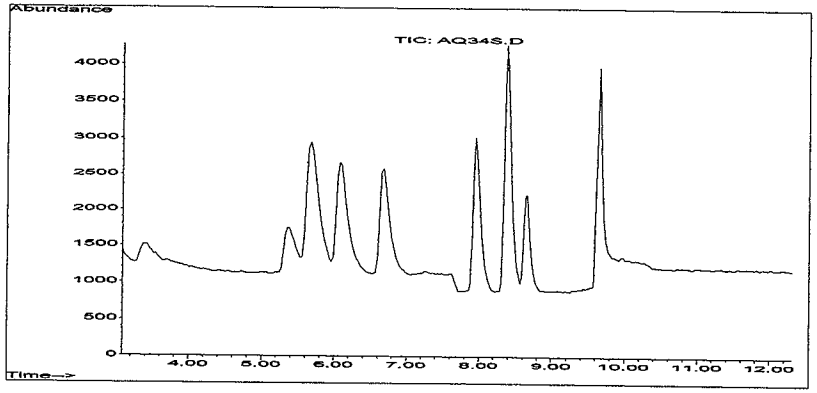
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.94 96 111553m 16.75 ug/L
Spiked Amount 20.000 Recovery = 83.75%

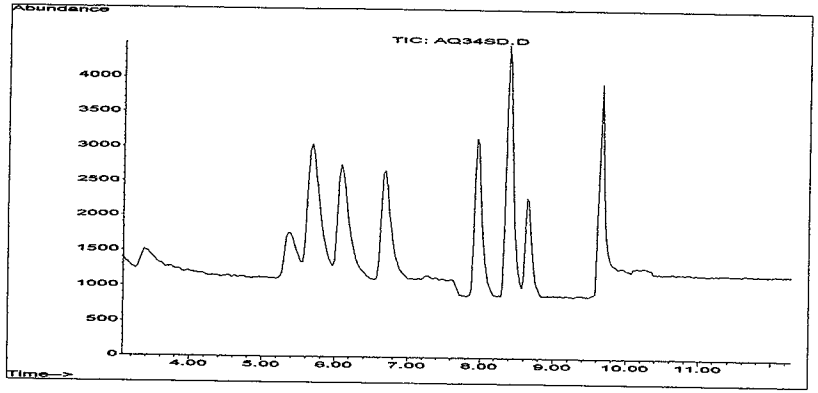
Target Compounds
14) TCE 8.40 95 2614m 0.85 ug/L

Data File Name AQ34S.D
Operator Darin DeGruson
Date Acquired 2/6/2006 3:28
Sample Name GPF-121-065 matrix spike
Misc Info 25 ug/L



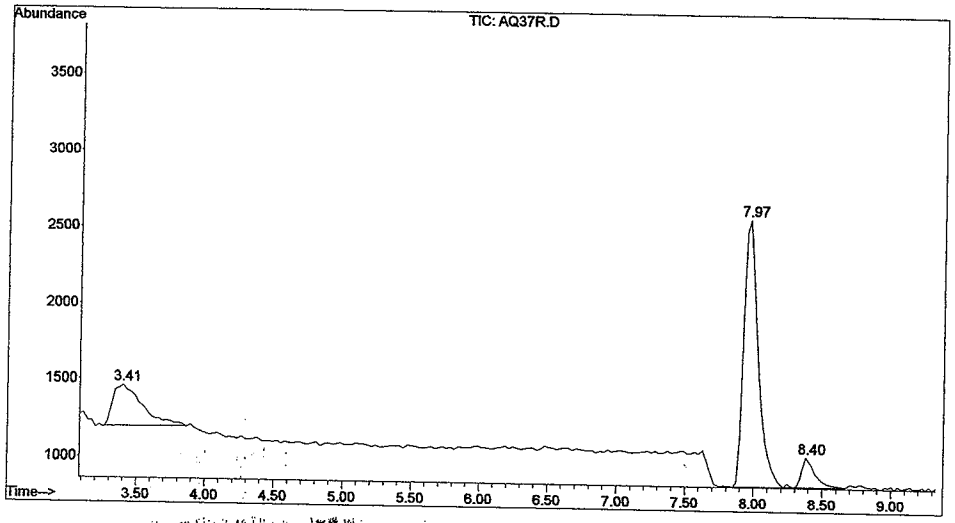
Name	Retention Time	Response	Amount	Units
Methylene Chloride	5.38	45089.432	23.87	ug/L
1,1-DCA	6.10	79065.935	30.94	ug/L
Trans-1,2-dichloroethene	5.69	76058.30	30.05	ug/L
Cis-1,2-DCE	6.68	50490.518	26.75	ug/L
TCE	8.39	116065.93	37.69	ug/L
1,2-dichloropropane	8.65	16022.276	29.17	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.96	115696.23	17.38	ug/L

Data File Name AQ34SD.D
Operator Darin DeGruson
Date Acquired 2/6/2006 3:45
Sample Name GPF-121-065 matrix spike duplicate
Misc Info 25 ug/L



Name	Retention Time	Response	Amount	Units
Methylene Chloride	5.38	47324.048	25.05	ug/L
1,1-DCA	6.09	81491.451	31.89	ug/L
Trans-1,2-dichloroethene	5.69	78640.26	31.07	ug/L
Cis-1,2-DCE	6.68	54548.213	28.90	ug/L
TCE	8.39	123737.13	40.18	ug/L
1,2-dichloropropane	8.65	18410.1	33.52	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.96	123902.35	18.61	ug/L

File :\HPC DATA\020306\AQ37R.D
Operator : LRNewcomer
Acquired : 7 Feb 2006 2:47 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-121-025 rerun
Misc Info :
Vial Number: 4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ37R.D Vial: 4
Acq On : 7 Feb 2006 2:47 pm Operator: LRNewcomer
Sample : GPF-121-025 rerun Inst : GC/MS Ins
Misc : MultiplIr: 1.00

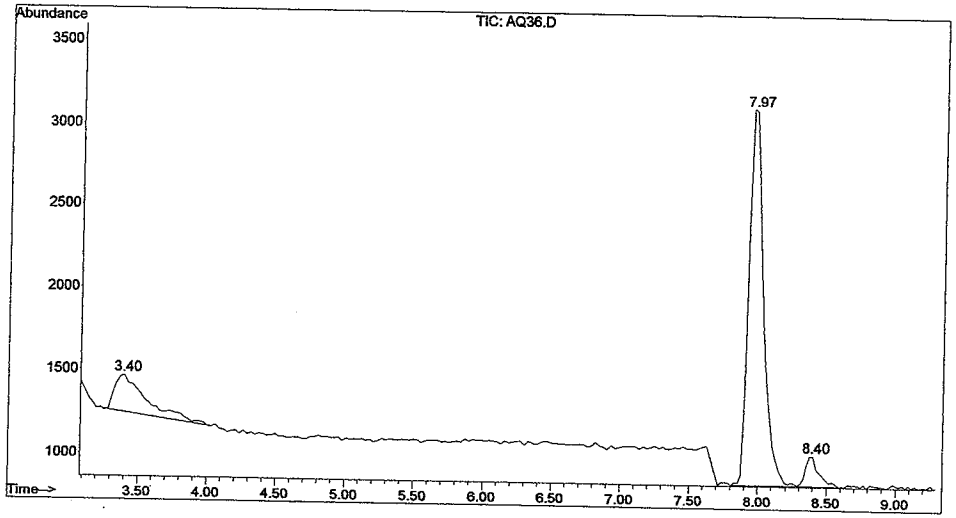
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc	Units

System Monitoring Compounds
13) Fluorobenzene 7.96 96 112153m 16.84 ug/L
Spiked Amount 20.000 Recovery = 84.20%

Target Compounds
14) TCE 8.38 95 3782m 1.23 ug/L

: C:\[illegible]M\1\D[illegible]0306\[illegible]
Operator : Darin DeGruson
Acquired : 6 Feb 2006 4:20 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-121-045
Misc Info : 45 ft
Vial Number: 6



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ36.D Vial: 6
Acq On : 6 Feb 2006 4:20 pm Operator: Darin DeGruson
Sample : GPF-121-045 Inst : GC/MS Ins
Misc : 45 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

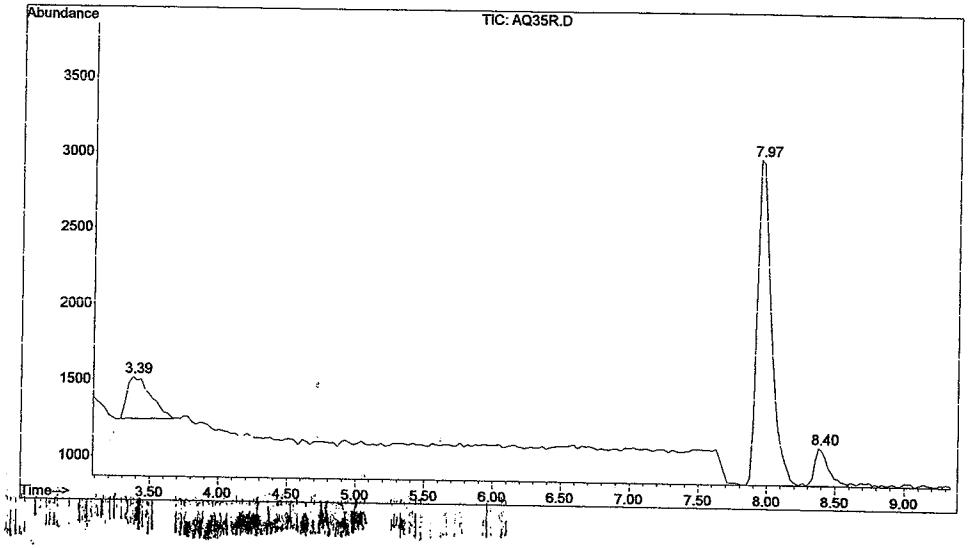
System Monitoring Compounds

13) Fluorobenzene	7.96	96	127919	19.21 ug/L
Spiked Amount 20.000			Recovery = 96.05%	

Target Compounds

14) TCE	8.38	95	4384m	1.42 ug/L

File [illegible]\HPCI[illegible]DATA\[illegible]\AQ35[illegible]
Operator : LRNewcomer
Acquired : 7 Feb 2006 2:29 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-120-065 rerun
Misc Info :
Vial Number: 3



Acq On : 7 Feb 2006 2:29 pm Operator: LRNewcomer
Sample : GPF-120-065 rerun Inst : GC/MS Ins
Misc : Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

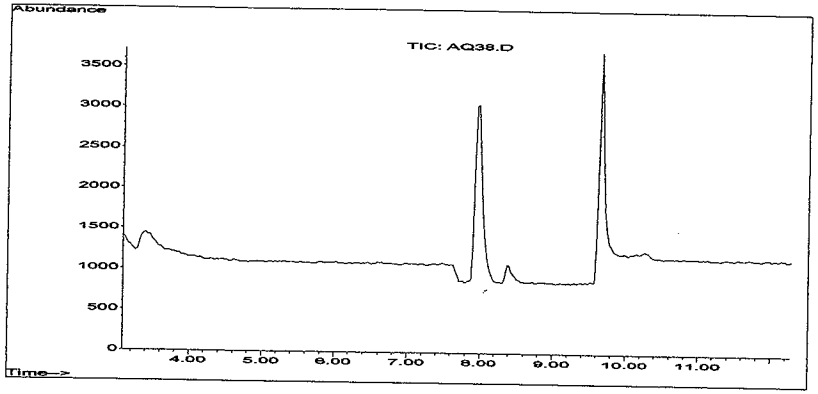
System Monitoring Compounds

13) Fluorobenzene	7.96	96	118547	17.80 ug/L
Spiked Amount 20.000			Recovery = 89.00%	

Target Compounds

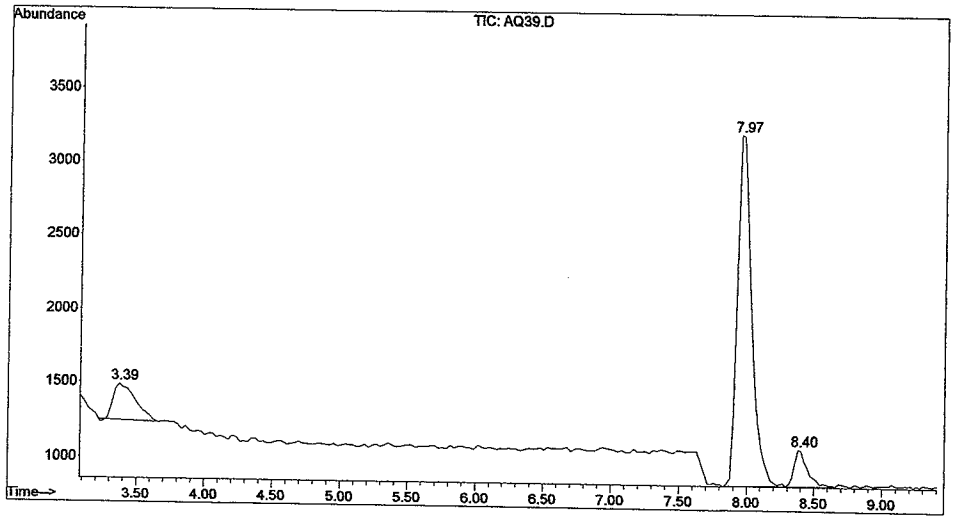
14) TCE	8.38	95	6289m	2.04 ug/L

Data File Name AQ38.D
Operator Darin DeGruson
Date Acquired 2/6/2006 4:55
Sample Name GPF-120-025
Misc Info 25 ft



Name	Retention Time	Response	Amount	Units
Methylene Chloride	0.00	0	0.00	ug/L
1,1-DCA	0.00	0	0.00	ug/L
Trans-1,2-dichloroethene	0.00	0.00	0.00	ug/L
Cis-1,2-DCE	0.00	0	0.00	ug/L
TCE	8.38	7385.467	2.40	ug/L
1,2-dichloropropane	0.00	0	0.00	ug/L
Internal Standard and Surrogate				
Fluorobenzene	7.97	124608.8	18.72	ug/L

File C:\HPCHEM\1\DATA\020306\AQ39.D
Operator : Darin DeGruson
Acquired : 6 Feb 2006 5:12 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-120-045
Misc Info : 45 ft
Vial Number: 9



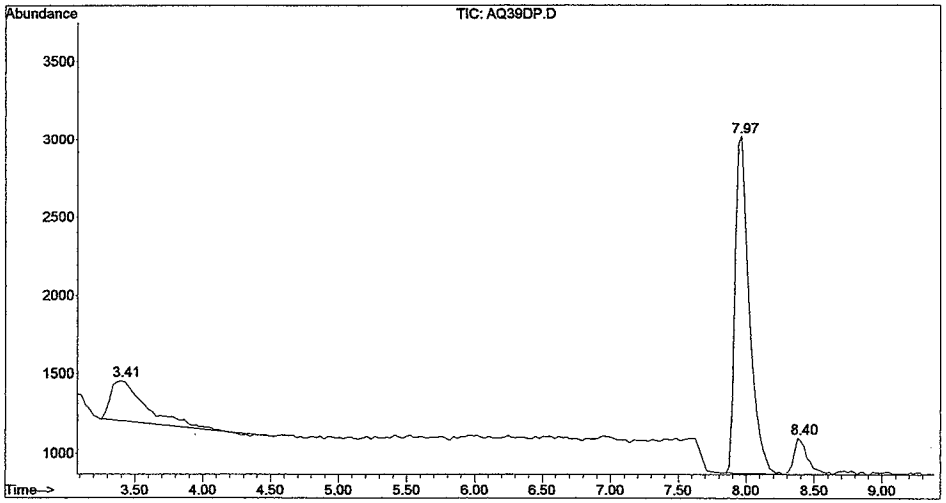
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ39.D Vial: 9
Acq On : 6 Feb 2006 5:12 pm Operator: Darin DeGruson
Sample : GPF-120-045 Inst : GC/MS Ins
Misc : 45 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc	Units
System Monitoring Compounds					
13) Fluorobenzene	7.96	96	133476	20.05	ug/L
Spiked Amount 20.000			Recovery = 100.25%		
Target Compounds					
14) TCE	8.38	95	6322m	2.05	ug/L

File : C:\HPCHEM\1\DATA\020306\AQ39DP.D
Operator : Darin DeGruson
Acquired : 6 Feb 2006 5:30 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-120-045 duplicate
Misc Info : 45 ft
Vial Number: 10



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ39DP.D Vial: 10
Acq On : 6 Feb 2006 5:30 pm Operator: Darin DeGruson
Sample : GPF-120-045 duplicate Inst : GC/MS Ins
Misc : 45 ft Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

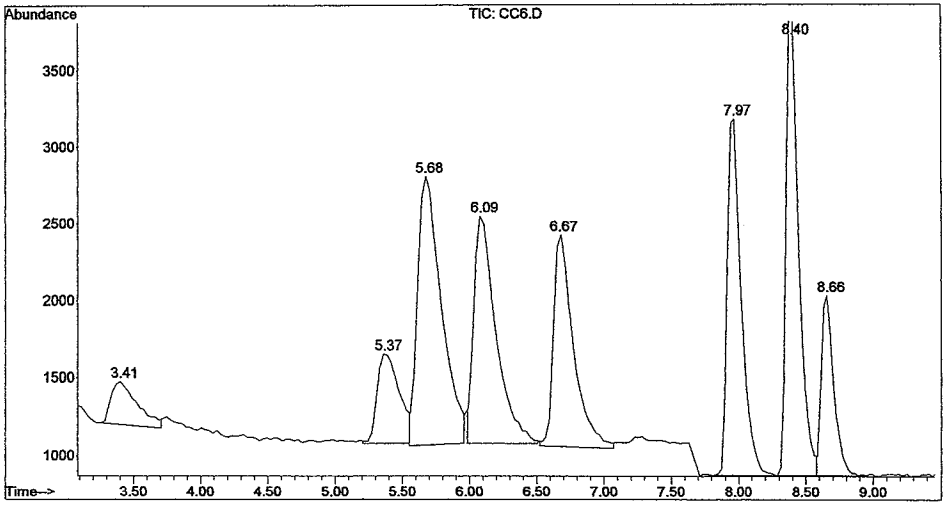
System Monitoring Compounds

13) Fluorobenzene	7.97	96	118458	17.79 ug/L
Spiked Amount 20.000			Recovery = 88.95%	

Target Compounds

14) TCE	8.38	95	6897m	2.24 ug/L

File : C:\HPCHEM\1\DATA\020306\CC6.D
Operator : Darin DeGruson
Acquired : 6 Feb 2006 5:47 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: calibration check
Misc Info : 25 ug/L
Vial Number: 11



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\CC6.D Vial: 11
Acq On : 6 Feb 2006 5:47 pm Operator: Darin DeGruson
Sample : calibration check Inst : GC/MS Ins
Misc : 25 ug/L Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Mon Feb 06 15:26:16 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

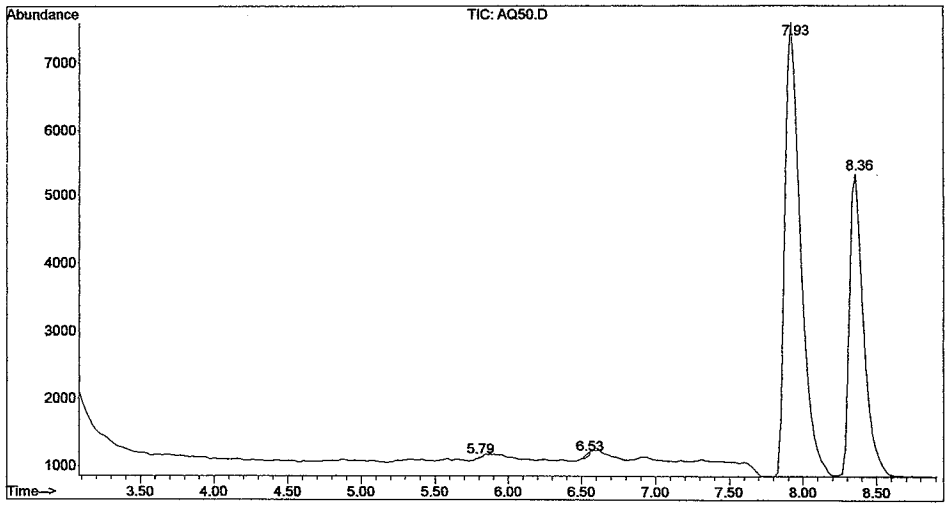
System Monitoring Compounds

13) Fluorobenzene	7.96	96	128665	19.32 ug/L
Spiked Amount 20.000			Recovery = 96.60%	

Target Compounds

4) Methylene Chloride	5.38	49	40009	21.83 ug/L
5) Trans-1,2-dichloroethene	5.70	96	68886	27.56 ug/L
6) 1,1-DCA	6.11	63	64907	26.12 ug/L
7) Cis-1,2-DCE	6.68	61	45566	24.25 ug/L
14) TCE	8.38	95	82337	27.61 ug/L
15) 1,2-dichloropropane	8.65	63	13410	24.40 ug/L

File [illegible]:\HPCH[illegible]DATA\[illegible]\AQ50[illegible]
Operator : LRNewcomer
Acquired : 8 Feb 2006 1:31 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-118-045 RERUN
Misc Info :
Vial Number: 1



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ50.D Vial: 1
Acq On : 8 Feb 2006 1:31 am Operator: LRNewcomer
Sample : GPF-118-045 RERUN Inst : GC/MS Ins

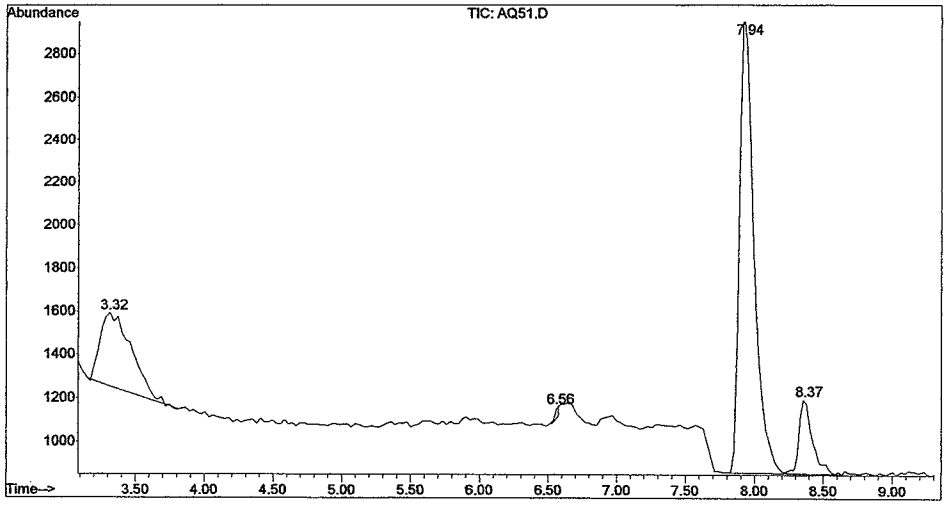
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

0.5mL

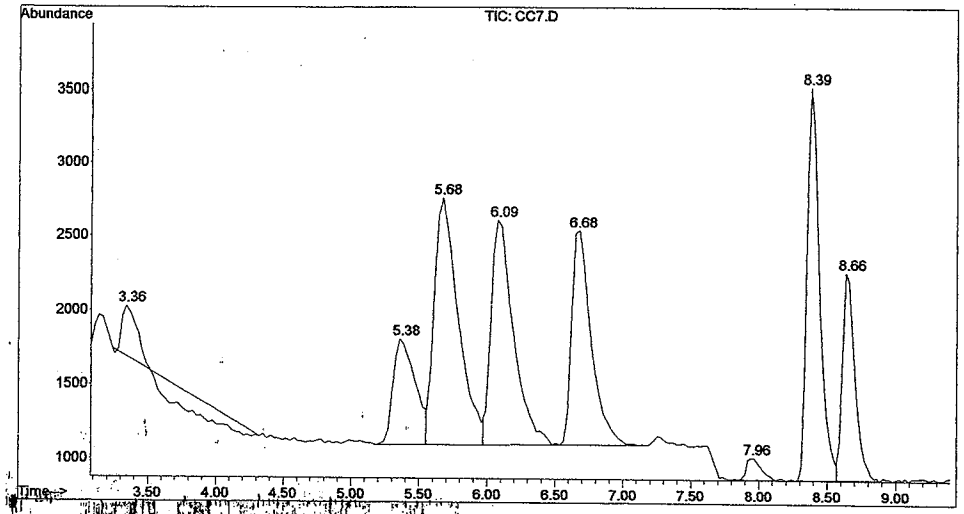
x2

Internal Standards	R.T.	Qion	Response	Conc	Units
System Monitoring Compounds					
13) Fluorobenzene	7.93	96	380708	~~57.18~~	ug/L
Target Compounds					
14) TCE	8.36	95	158430	~~51.45~~	ug/L ?

: C:\H... /\1\DA...)306\A...
Operator : LRNewcomer
Acquired : 8 Feb 2006 1:43 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-118-065 RERUN
Misc Info :
Vial Number: 1



File ... HPCH... ATA\0... CC7.D
Operator : LRNewcomer
Acquired : 7 Feb 2006 1:55 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: calibration check
Misc Info : 25 ug/L
Vial Number: 1



	Area		
FB	118173	7.94 min	17.75 ug/L
TCE	11316	8.37 min	3.68 ug/L

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\CC7.D Vial: 1
Acq On : 7 Feb 2006 1:55 pm Operator: LRNewcomer
Sample : calibration check Inst : GC/MS Ins
Misc : 25 ug/L Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units	Dev(Min)

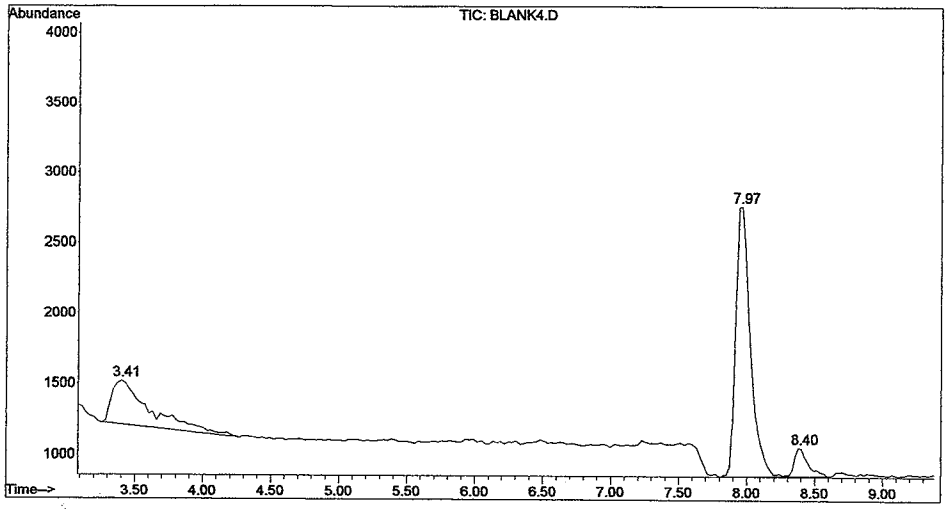
System Monitoring Compounds

13) Fluorobenzene	7.96	96	8055	1.21 ug/L	

Target Compounds

4) Methylene Chloride	5.38	49	51878	27.46 ug/L	
5) Trans-1,2-dichloroethene	5.69	96	62540	24.71 ug/L	
6) 1,1-DCA	6.10	63	73489	28.76 ug/L	
7) Cis-1,2-DCE	6.68	61	53681	28.44 ug/L	
14) TCE	8.38	95	~~80921~~	26.28 ug/L	93774
15) 1,2-dichloropropane	8.63	63	13936	25.38 ug/L	

F[illegible]: C:\HP[illegible]\1\DA[illegible]06\BL[illegible]D
Operator : LRNewcomer
Acquired : 7 Feb 2006 2:12 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: method blank
Misc Info :
Vial Number: 2



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\BLANK4.D Vial: 2
Acq On : 7 Feb 2006 2:12 pm Operator: LRNewcomer
Sample : method blank Inst : GC/MS Ins
Misc : Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

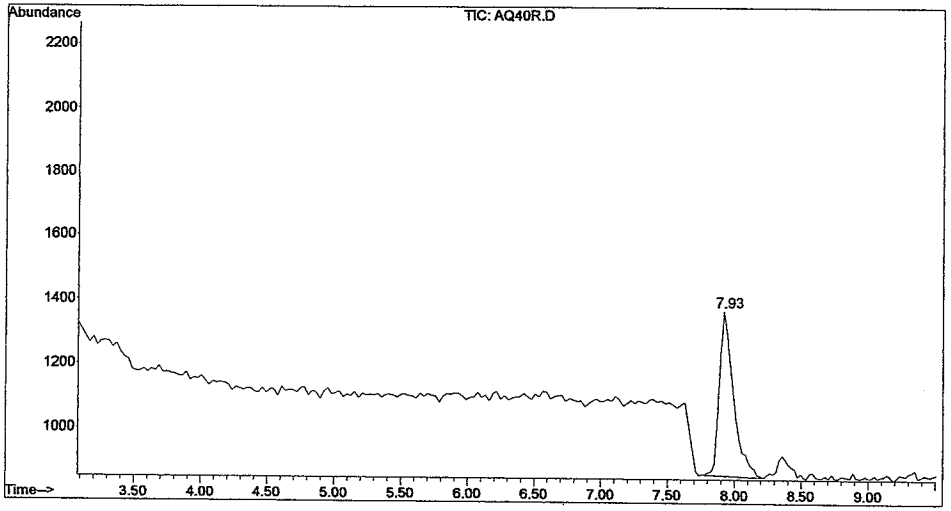
Internal Standards	R.T.	Qion	Response	Conc Units	Dev(Min)

System Monitoring Compounds

13) Fluorobenzene	7.97	96	105880	15.90 ug/L	0.00
Spiked Amount 20.000			Recovery = 79.50%		

Target Compounds				Qvalue
14) TCE	8.38	95	6673	2.17 ug/L

File [illegible]HPCH[illegible]DATA\[illegible]AQ40[illegible]
Operator : LRNewcomer
Acquired : 8 Feb 2006 12:10 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-109-025 RERUN
Misc Info :
Vial Number: 1



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ40R.D Vial: 1
Acq On : 8 Feb 2006 12:10 am Operator: LRNewcomer
Sample : GPF-109-025 RERUN Inst : GC/MS Ins
Misc : Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units	Dev(Min)

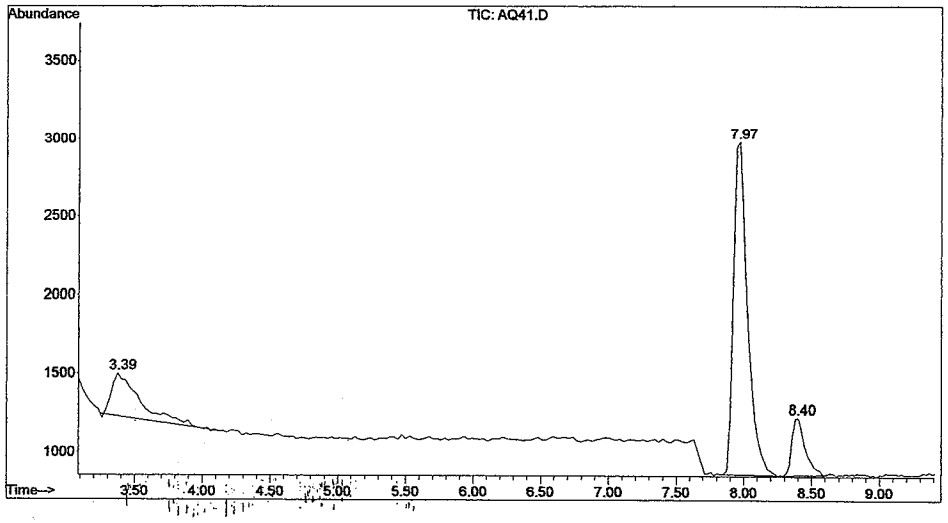
System Monitoring Compounds

13) Fluorobenzene	7.93	96	27173	4.08 ug/L	~~0.03~~ x4
Spiked Amount 20.000			Recovery = 20.40%		

Target Compounds				Qvalue
14) TCE	8.36	95	1488	0.48 ug/L x4 = 2

(#) = qualifier out of range (m) = manual integration
AQ40R.D GENVOC.M Sun Feb 26 17:46:58 2006

File : C:\HPCHEM\1\DATA\020306\AQ41.D
Operator : LRNewcomer
Acquired : 7 Feb 2006 3:22 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-109-045
Misc Info :
Vial Number: 6



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ41.D Vial: 6
Acq On : 7 Feb 2006 3:22 pm Operator: LRNewcomer
Sample : GPF-109-045 Inst : GC/MS Ins
Misc : MultiplIr: 1.00

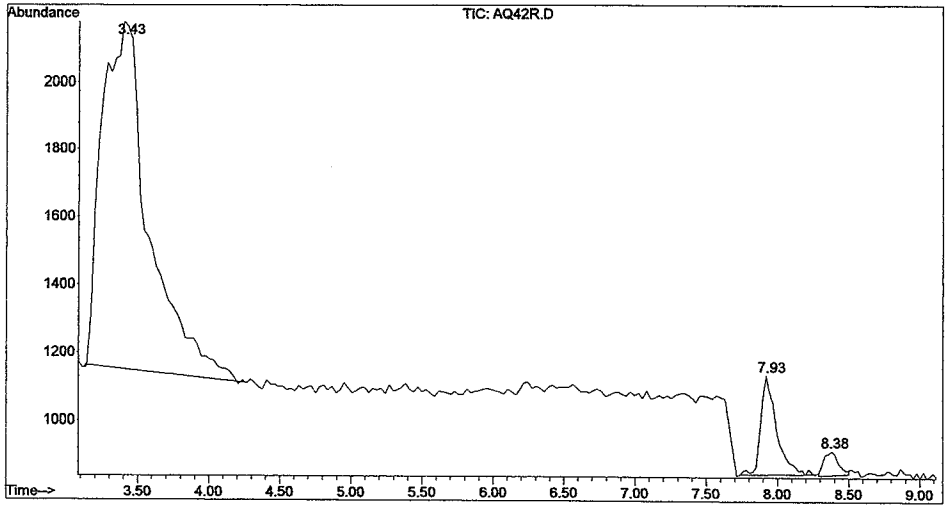
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 117665 17.67 ug/L
Spiked Amount 20.000 Recovery = 88.35%

Target Compounds
14) TCE 8.40 95 13352 4.34 ug/L

File : C:\HPCHEM\1\DATA\020306\AQ42R.D
Operator : LRNewcomer
Acquired : 8 Feb 2006 12:23 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-109-065 RERUN
Misc Info :
Vial Number: 1



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ42R.D Vial: 1
Acq On : 8 Feb 2006 12:23 am Operator: LRNewcomer
Sample : GPF-109-065 RERUN Inst : GC/MS Ins

0.5 mL

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

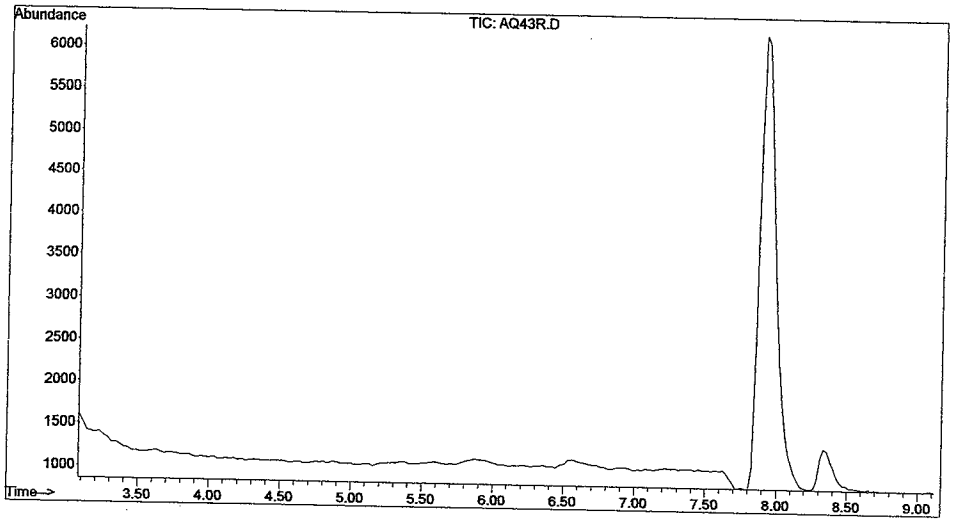
x2

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.93 96 15510 2.33 ug/L

Target Compounds
14) TCE 8.38 95 1353 0.44 ug/L = 1

: C:\H ...\1\DA ...306\A...
Operator : LRNewcomer
Acquired : 8 Feb 2006 12:38 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-109-083 RERUN
Misc Info :
Vial Number: 1



Quantitation Report (QT Reviewed)

ıta File : C:\HPCHEM\1\DATA\020306\AQ43R.D Vial: 1
q On : 8 Feb 2006 12:38 am Operator: LRNewcomer
ımple : GPF-109-083 RERUN Inst : GC/MS Ins
sc : Multiplr: 1.00

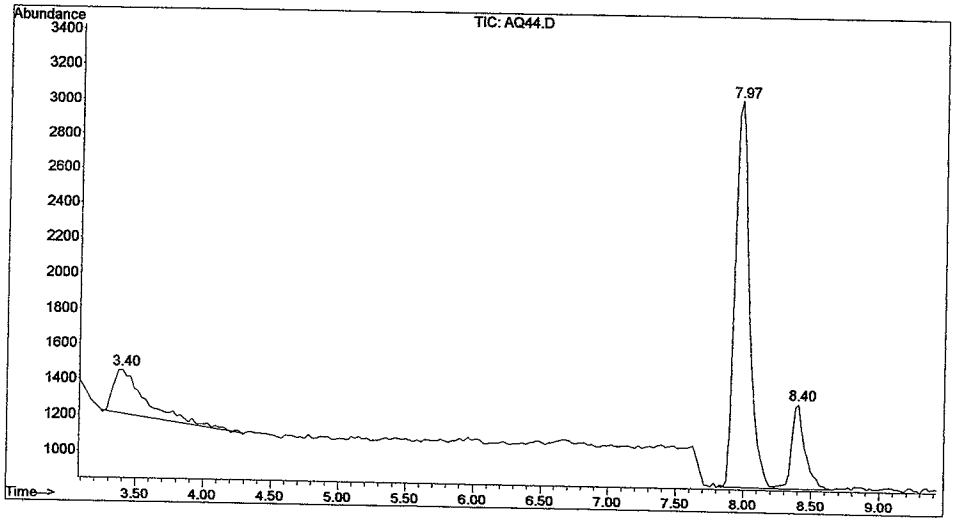
ıant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
le :
st Update : Tue Feb 07 09:05:58 2006
esponse via : Initial Calibration
ıtaAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

ystem Monitoring Compounds
3) Fluorobenzene 7.92 96 317077 47.62 ug/L

arget Compounds
4) TCE 8.35 95 17539 ~~5.70~~ ug/L = 2

File ...:\HPC...DATA\...\AQ44.D
Operator : LRNewcomer
Acquired : 7 Feb 2006 4:14 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-115-025
Misc Info :
Vial Number: 9



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ44.D Vial: 9
Acq On : 7 Feb 2006 4:14 pm Operator: LRNewcomer
Sample : GPF-115-025 Inst : GC/MS Ins

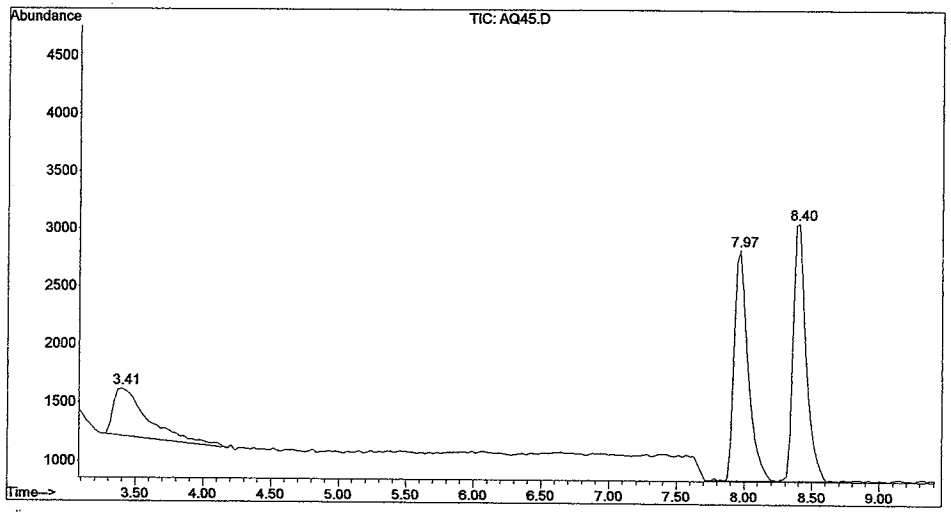
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 122810 18.45 ug/L
Spiked Amount 20.000 Recovery = 92.25%

Target Compounds
14) TCE 8.40 95 16454 ~~8.34~~ 4 ug/L

: C:\H... /\1\DA... 306\A...
Operator : LRNewcomer
Acquired : 7 Feb 2006 4:30 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-115-045
Misc Info :
Vial Number: 10



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ45.D Vial: 10
Acq On : 7 Feb 2006 4:30 pm Operator: LRNewcomer
Sample : GPF-115-045 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

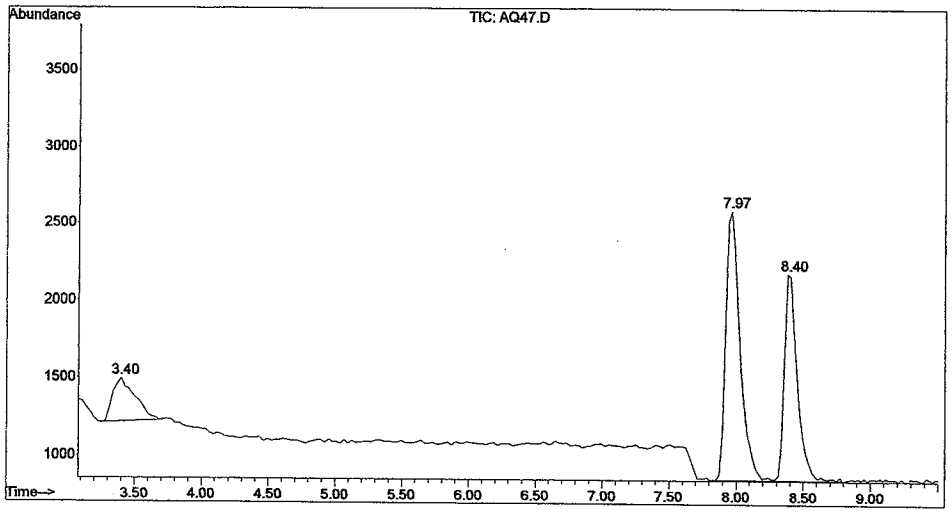
System Monitoring Compounds

13) Fluorobenzene	7.97	96	108130	16.24 ug/L
Spiked Amount 20.000			Recovery = 81.20%	

Target Compounds

14) TCE	8.40	95	79694	~~25.86~~ 21 ug/L

File ...\HPCI...DATA\...\AQ47...
Operator : LRNewcomer
Acquired : 7 Feb 2006 5:00 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-115-065
Misc Info :
Vial Number: 12



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ47.D Vial: 12
Acq On : 7 Feb 2006 5:00 pm Operator: LRNewcomer
Sample : GPF-115-065 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

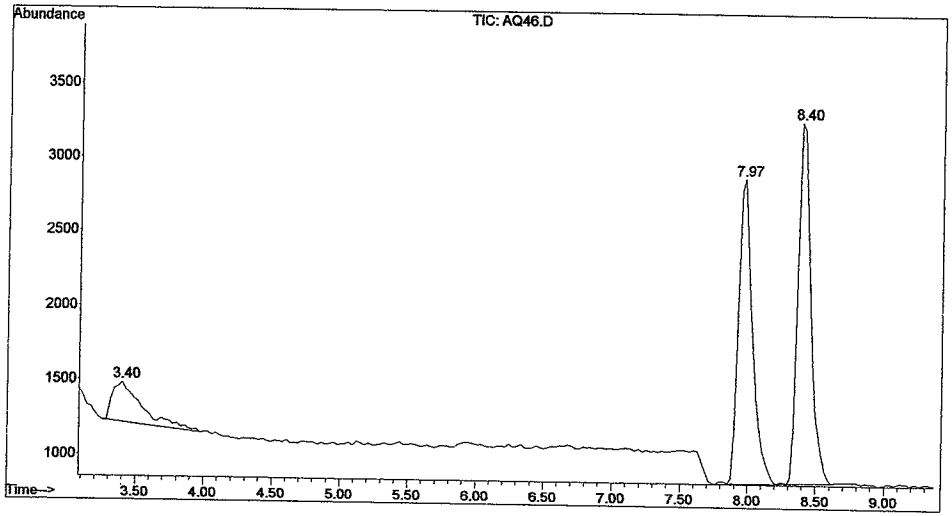
System Monitoring Compounds

13) Fluorobenzene	7.97	96	96489	14.49 ug/L

Target Compounds

14) TCE	8.40	95	47499	~~18.43~~ 16 ug/L

: C:\H /\1\DA 306\A
Operator : LRNewcomer
Acquired : 7 Feb 2006 4:46 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-215-045
Misc Info :
Vial Number: 11



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ46.D Vial: 11
Acq On : 7 Feb 2006 4:46 pm Operator: LRNewcomer
Sample : GPF-215-045 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

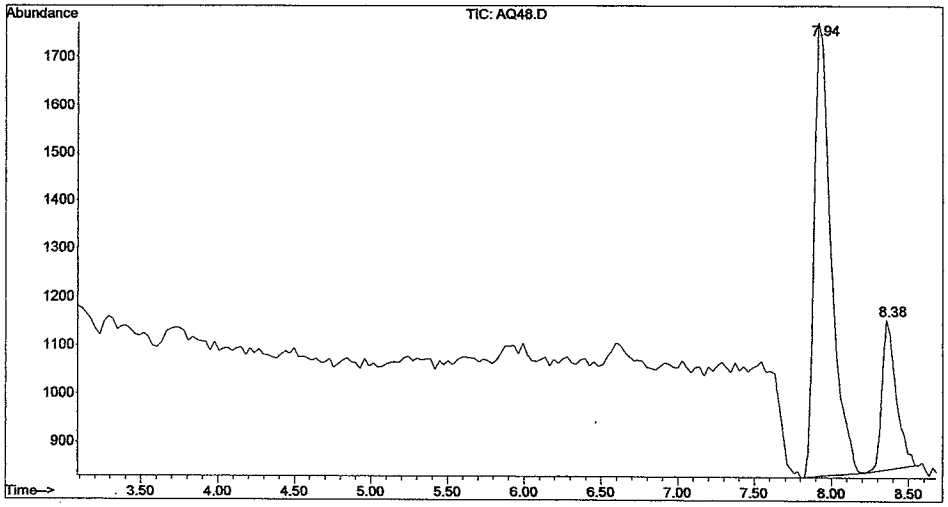
System Monitoring Compounds

13) Fluorobenzene	7.97	96	111859	16.80 ug/L
Spiked Amount 20.000			Recovery = 84.00%	

Target Compounds

14) TCE	8.40	95	87639	28.46 ug/L

File HPCH DATA\ AQ48
Operator : LRNewcomer
Acquired : 8 Feb 2006 12:51 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-115-082 RERUN
Misc Info :
Vial Number: 1



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ48.D Vial: 1
Acq On : 8 Feb 2006 12:51 am Operator: LRNewcomer
Sample : GPF-115-082 RERUN Inst : GC/MS Ins

0.5 mL

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

x2

Internal Standards	R.T.	Qion	Response	Conc Units

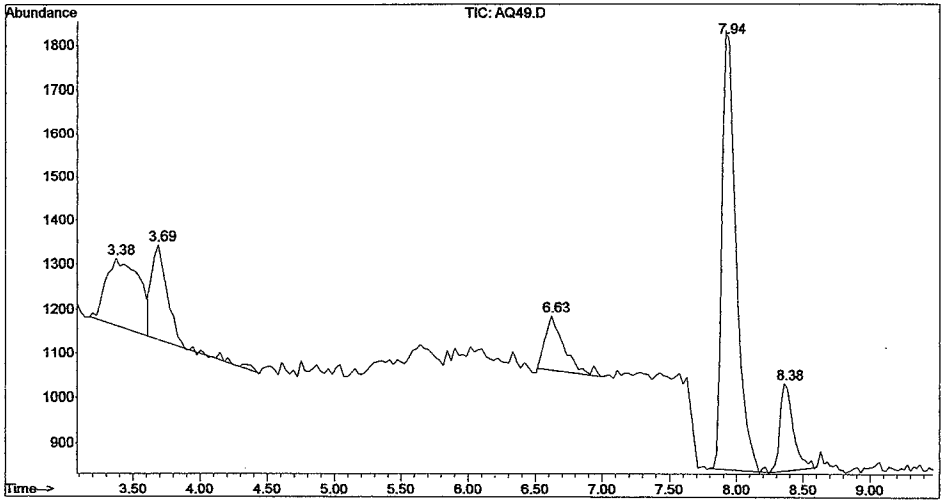
System Monitoring Compounds

13) Fluorobenzene	7.94	96	50826	7.63 ug/L

Target Compounds

14) TCE	8.36	95	9897m	~~3.21~~ ug/L 5.

[illegible]: C:\HI[illegible]\1\DA[illegible]306\A[illegible]
Operator : LRNewcomer
Acquired : 8 Feb 2006 1:04 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-118-025 RERUN
Misc Info :
Vial Number: 1



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ49.D Vial: 1
Acq On : 8 Feb 2006 1:04 am Operator: LRNewcomer
Sample : GPF-118-025 RERUN Inst : GC/MS Ins

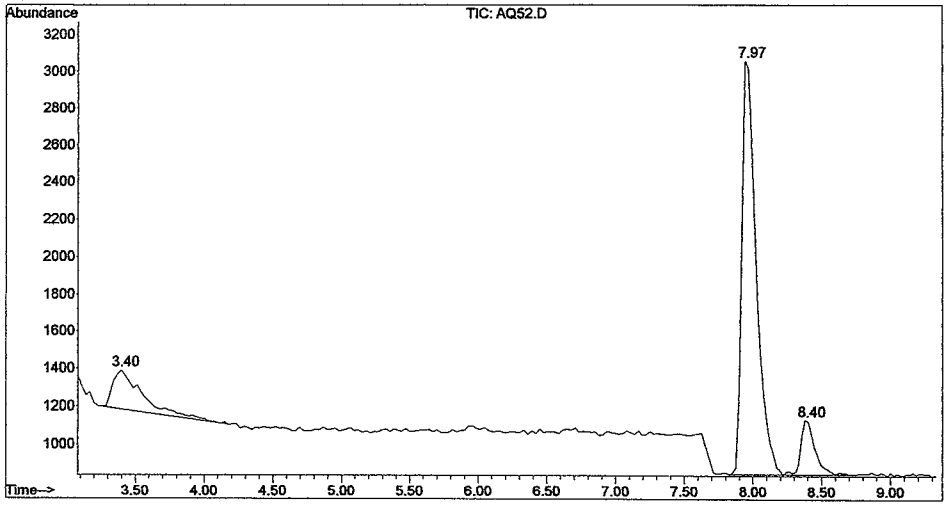
0.5mL

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

X2

Internal Standards	R.T.	Qlon	Response	Conc Units
System Monitoring Compounds				
13) Fluorobenzene	7.94	96	55067	8.27 ug/L
Target Compounds				
14) TCE	8.35	95	6621m	~~2.15~~ ug/L 4.

File [illegible]HPCH[illegible]DATA\[illegible]AQ52[illegible]
Operator : LRNewcomer
Acquired : 7 Feb 2006 9:55 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-118-083
Misc Info :
Vial Number: 11



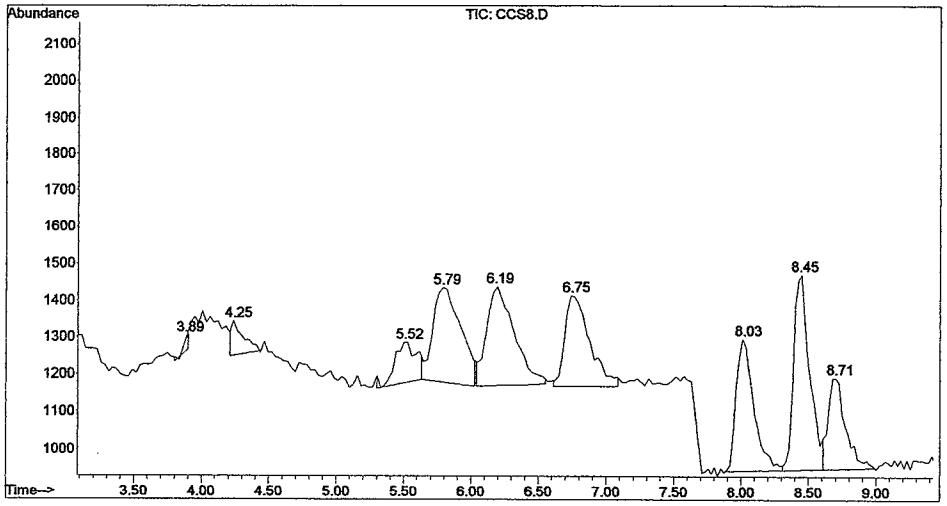
Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ52.D Vial: 11
Acq On : 7 Feb 2006 9:55 pm Operator: LRNewcomer
Sample : GPF-118-083 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qlon	Response	Conc Units
System Monitoring Compounds				
13) Fluorobenzene	7.96	96	122924	18.46 ug/L
Target Compounds				
14) TCE	8.40	95	10269	3.33 ug/L

: C:\H /\1\DA 306\C
Operator : LRNewcomer
Acquired : 7 Feb 2006 11:09 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: Cal check 25 ug/L
Misc Info :
Vial Number: 12



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\CCS8.D Vial: 12
Acq On : 7 Feb 2006 11:09 pm Operator: LRNewcomer
Sample : Cal check 25 ug/L Inst : GC/MS Ins
Misc : Multiplr: 1.00

0.5 mL

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

X 2

Internal Standards	R.T.	Qion	Response	Conc Units

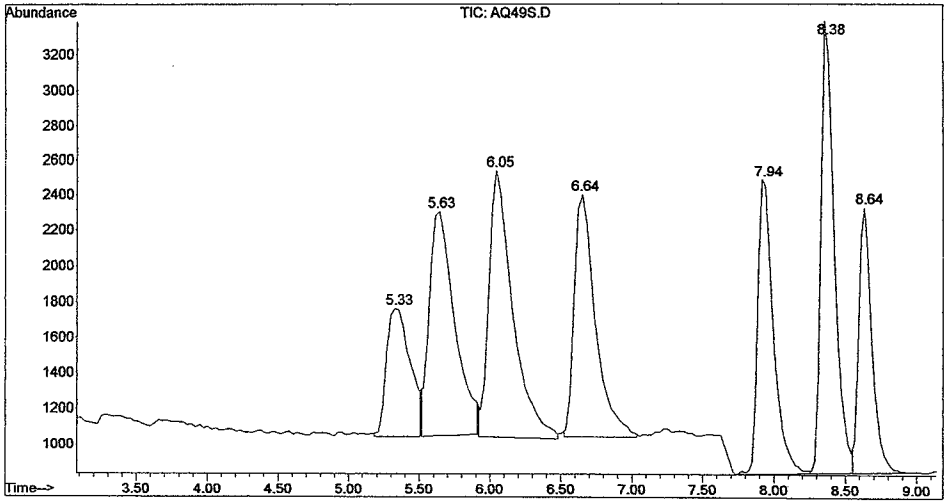
System Monitoring Compounds

13) Fluorobenzene	8.03	96	23964	3.60 ug/L

Target Compounds

4) Methylene Chloride	5.50	49	13201	6.99 ug/L
5) Trans-1,2-dichloroethene	5.79	96	12108	4.78 ug/L
6) 1,1-DCA	6.19	63	14150	5.54 ug/L
7) Cis-1,2-DCE	6.74	61	11178	5.92 ug/L
14) TCE	8.45	95	22774	7.40 ug/L

File HPCH DATA\ AQ49
Operator : LRNewcomer
Acquired : 8 Feb 2006 1:18 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-118-025 MS RERUN
Misc Info :
Vial Number: 1



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ49S.D Vial: 1
Acq On : 8 Feb 2006 1:18 am Operator: LRNewcomer
Sample : GPF-118-025 MS RERUN Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

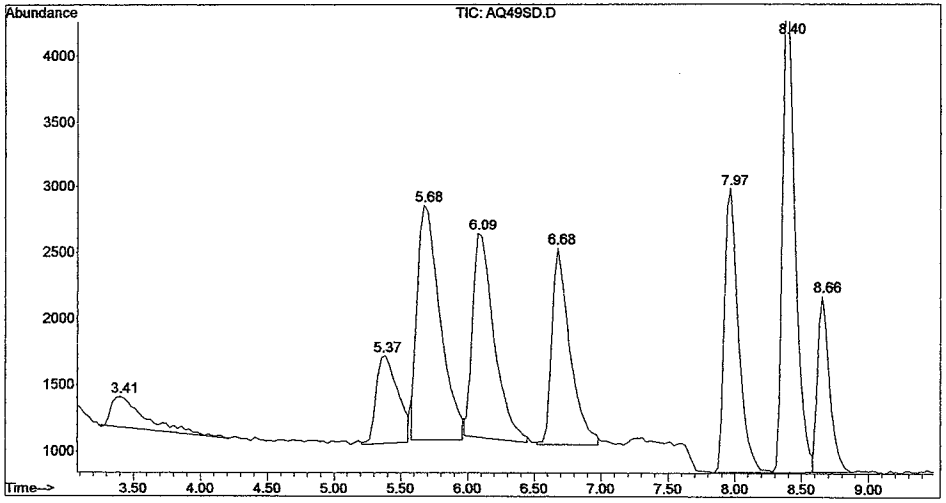
System Monitoring Compounds

13) Fluorobenzene	7.94	96	91355	13.72 ug/L

Target Compounds

4) Methylene Chloride	5.34	49	56862	30.10 ug/L
5) Trans-1,2-dichloroethene	5.65	96	46950	18.55 ug/L
6) 1,1-DCA	6.06	63	69565	27.22 ug/L
7) Cis-1,2-DCE	6.65	61	47742	25.29 ug/L
14) TCE	8.37	95	86967	28.24 ug/L
15) 1,2-dichloropropane	8.63	63	17872	32.54 ug/L

File : C:H[illegible]M\1\DA[illegible]306\A[illegible].D
Operator : LRNewcomer
Acquired : 7 Feb 2006 9:05 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-118-025 MSD
Misc Info :
Vial Number: 8



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ49SD.D Vial: 8
Acq On : 7 Feb 2006 9:05 pm Operator: LRNewcomer
Sample : GPF-118-025 MSD Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

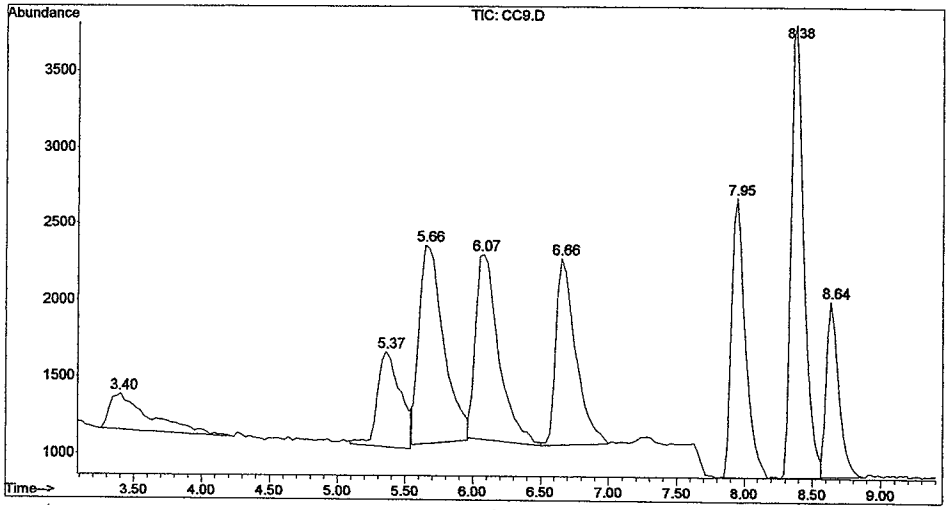
System Monitoring Compounds

13) Fluorobenzene	7.97	96	117119	17.59 ug/L

Target Compounds

4) Methylene Chloride	5.38	49	45718	24.20 ug/L
5) Trans-1,2-dichloroethene	5.70	96	70228	27.74 ug/L
6) 1,1-DCA	6.10	63	79581	31.14 ug/L
7) Cis-1,2-DCE	6.68	61	48947	25.93 ug/L
14) TCE	8.40	95	130188	42.28 ug/L
15) 1,2-dichloropropane	8.66	63	16625	30.27 ug/L

File : C:\HPCHEM\1\DATA\[illegible]CC9.D
Operator : LRNewcomer
Acquired : 8 Feb 2006 5:51 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: calibration check
Misc Info : 25 ug/L
Vial Number: 1



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\CC9.D Vial: 1
Acq On : 8 Feb 2006 5:51 pm Operator: LRNewcomer
Sample : calibration check Inst : GC/MS Ins
Misc : 25 ug/L Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 09:56:06 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

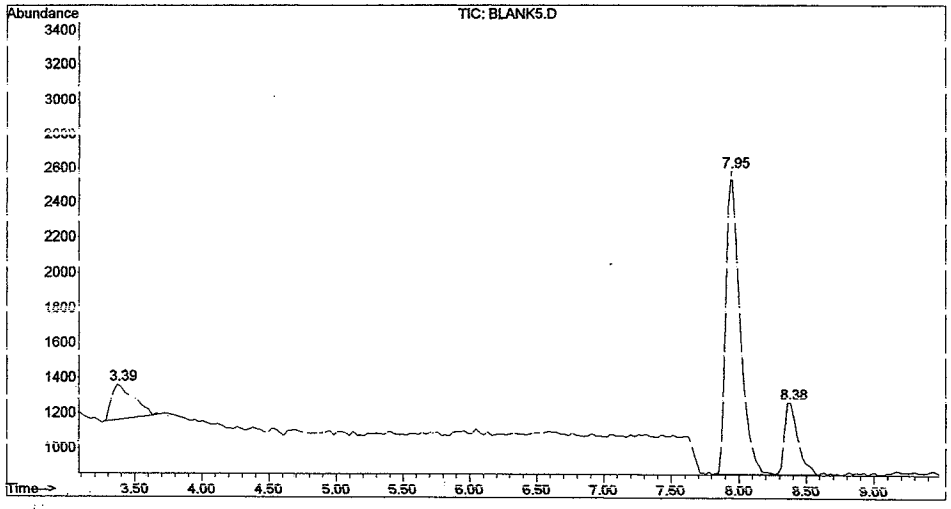
System Monitoring Compounds

13) Fluorobenzene	7.95	96	99390	19.43 ug/L
Spiked Amount 20.000			Recovery =	97.15%

Target Compounds

4) Methylene Chloride	5.37	49	41023	21.71 ug/L
5) Trans-1,2-dichloroethene	5.69	96	49823	22.55 ug/L
6) 1,1-DCA	6.08	63	63048	24.67 ug/L
7) Cis-1,2-DCE	6.66	61	42141	22.33 ug/L
14) TCE	8.38	95	106022	26.09 ug/L
15) 1,2-dichloropropane	8.64	63	13253	24.13 ug/L

File [illegible]\HPCI[illegible]DATA\[illegible]\BLAN[illegible]
Operator : LRNewcomer
Acquired : 8 Feb 2006 6:05 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: method blank
Misc Info :
Vial Number: 2



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\BLANK5.D Vial: 2
Acq On : 8 Feb 2006 6:05 pm Operator: LRNewcomer
Sample : method blank Inst : GC/MS Ins
Misc : MultiplIr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 09:56:06 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

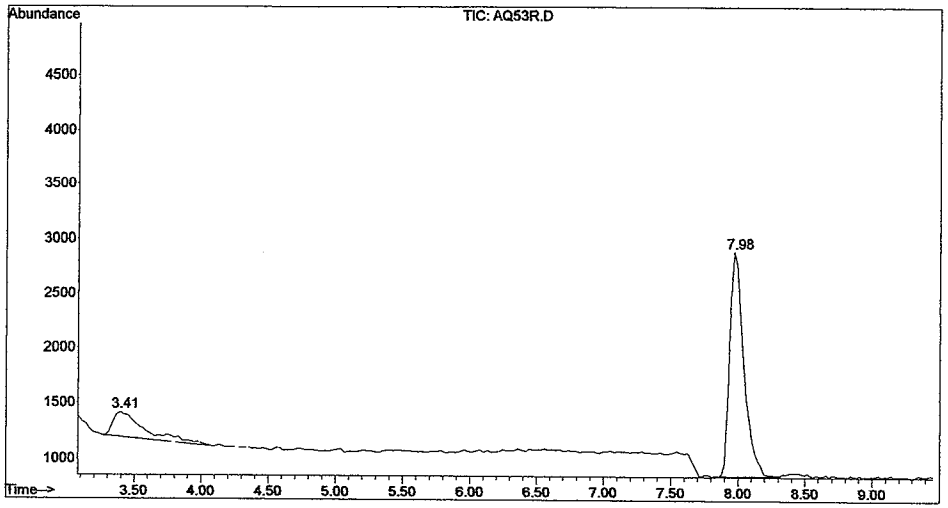
System Monitoring Compounds

13) Fluorobenzene	7.95	96	93166	18.22 ug/L
Spiked Amount 20.000			Recovery = 91.10%	

Target Compounds

14) TCE	8.38	95	15499	3.81 ug/L

: C:\H M\1\DA 0306V D
Operator : LRNewcomer
Acquired : 9 Feb 2006 3:11 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-117-025 RERUN
Misc Info :
Vial Number: 3



Quantitation Report (Not Reviewed)

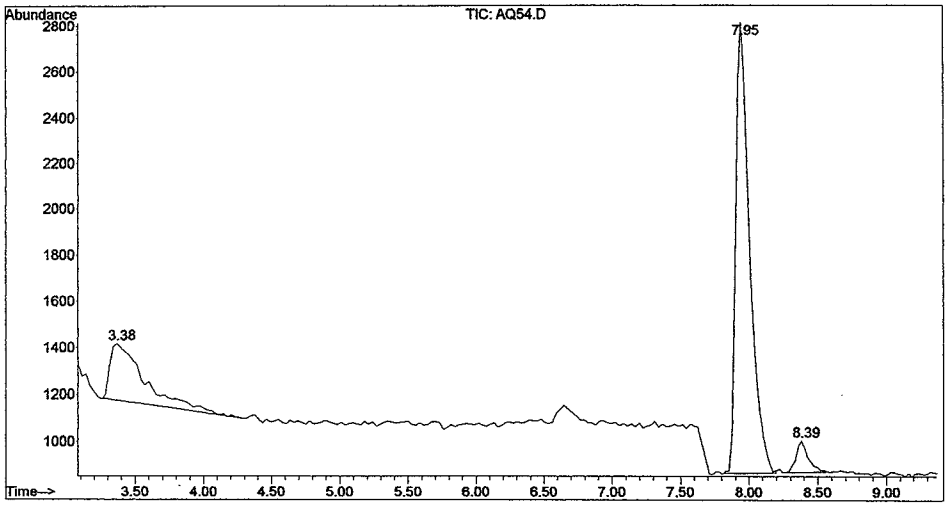
Data File : C:\HPCHEM\1\DATA\020306\AQ53R.D Vial: 3
Acq On : 9 Feb 2006 3:11 pm Operator: LRNewcomer
Sample : GPF-117-025 RERUN Inst : GC/MS Ins
Misc : Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 09:56:06 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.98 96 114135 22.31 ug/L
Spiked Amount 20.000 Recovery = 111.55%

File :\HPC DATA\ \AQ5
Operator : LRNewcomer
Acquired : 8 Feb 2006 3:38 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-117-045
Misc Info :
Vial Number: 4



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ54.D Vial: 4
Acq On : 8 Feb 2006 3:38 pm Operator: LRNewcomer
Sample : GPF-117-045 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 09:56:06 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

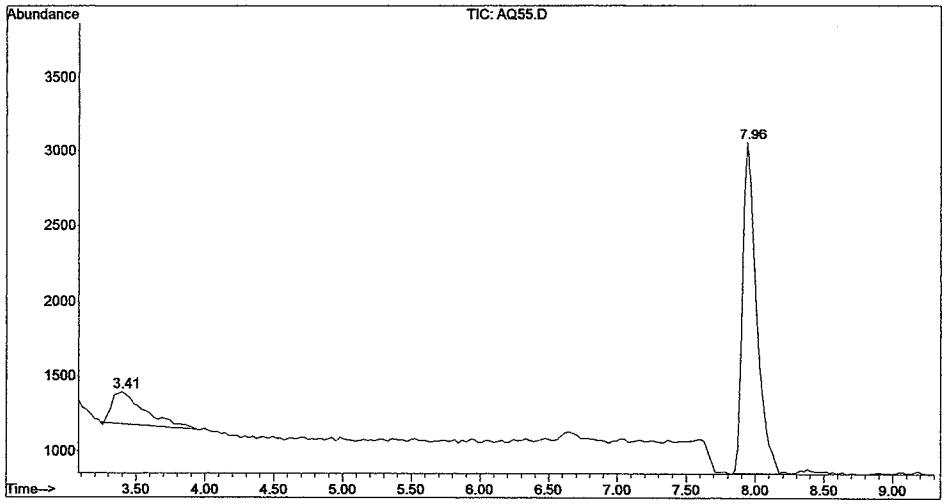
Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.95 96 105956 20.72 ug/L
Spiked Amount 20.000 Recovery = 103.60%

Target Compounds
14) TCE 8.38 95 4199 1.03 ug/L

: C:\H M\1\D\ )306\A

Operator : LRNewcomer
Acquired : 8 Feb 2006 3:51 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-117-065
Misc Info :
Vial Number: 5



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ55.D Vial: 5
Acq On : 8 Feb 2006 3:51 pm Operator: LRNewcomer
Sample : GPF-117-065 Inst : GC/MS Ins

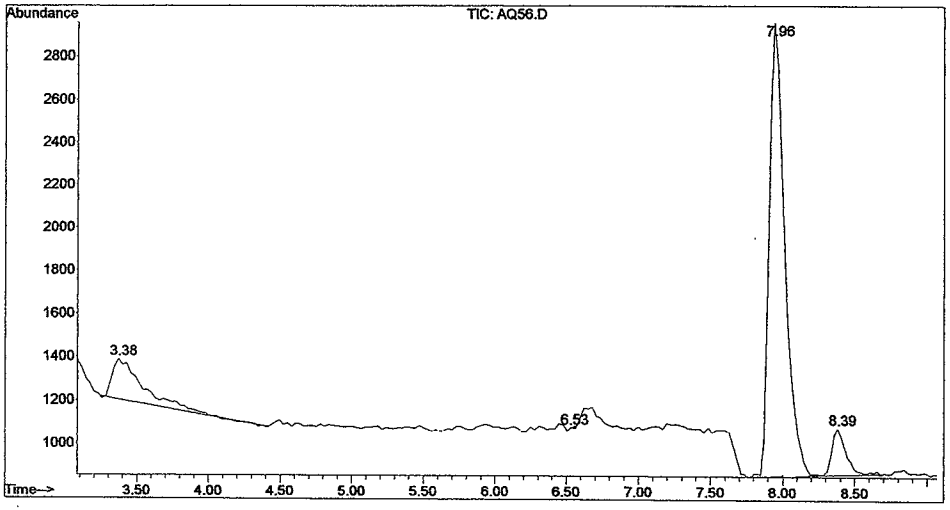
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 09:56:06 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.95 96 118855 23.24 ug/L
Spiked Amount 20.000 Recovery = 116.20%

File :\HPC DATA\ \AQ5

Operator : LRNewcomer
Acquired : 8 Feb 2006 4:05 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-117-079
Misc Info :
Vial Number: 6



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ56.D Vial: 6
Acq On : 8 Feb 2006 4:05 pm Operator: LRNewcomer
Sample : GPF-117-079 Inst : GC/MS Ins

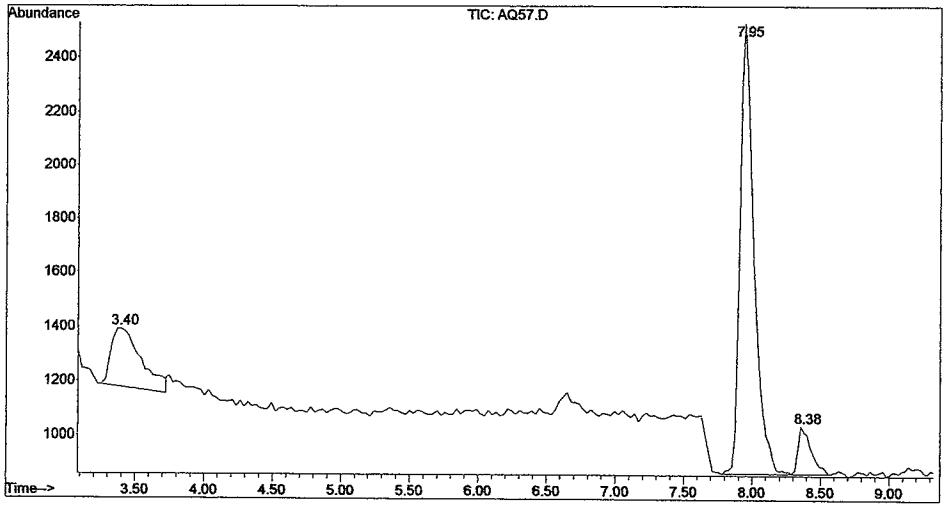
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 09:56:06 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.96 96 115425 22.57 ug/L
Spiked Amount 20.000 Recovery = 112.85%

Target Compounds
14) TCE 8.38 95 6833m 1.68 ug/L

: C:\H /\1\DA 306\A
Operator : LRNewcomer
Acquired : 8 Feb 2006 4:18 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-113-025
Misc Info :
Vial Number: 7



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ57.D Vial: 7
Acq On : 8 Feb 2006 4:18 pm Operator: LRNewcomer
Sample : GPF-113-025 Inst : GC/MS Ins

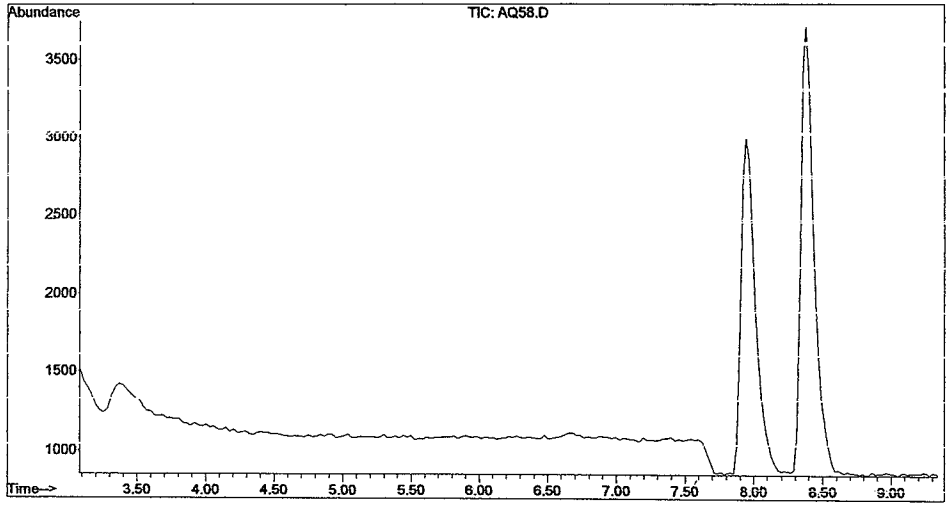
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.94 96 117095 17.59 ug/L
Spiked Amount 20.000 Recovery = 87.95%

Target Compounds
14) TCE 8.38 95 8733 2.84 ug/L

File \HPCI DATA\ \AQ58
Operator : LRNewcomer
Acquired : 8 Feb 2006 4:32 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-113-045
Misc Info :
Vial Number: 8



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ58.D Vial: 8
Acq On : 8 Feb 2006 4:32 pm Operator: LRNewcomer
Sample : GPF-113-045 Inst : GC/MS Ins

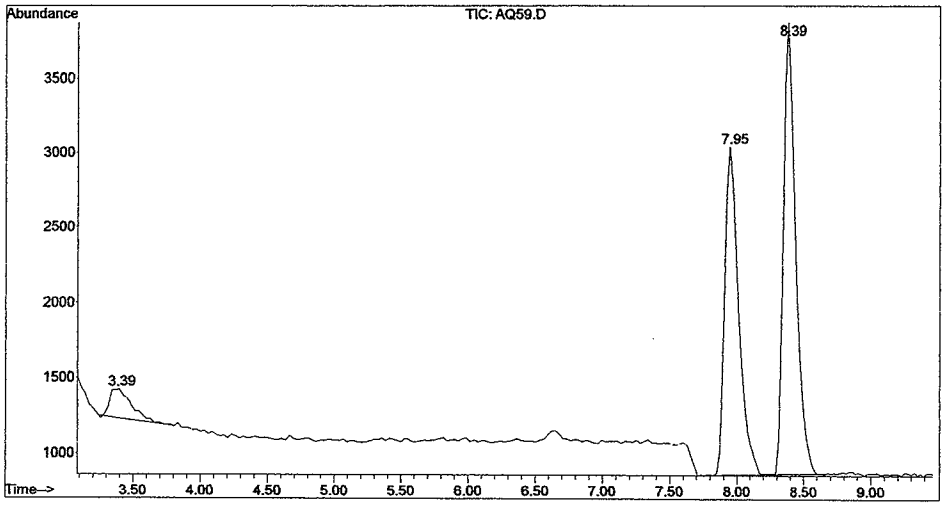
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units	Dev

System Monitoring Compounds
13) Fluorobenzene 7.96 96 120731 18.13 ug/L
Spiked Amount 20.000 Recovery = 90.65%

Target Compounds
14) TCE 8.39 95 102931 33.43 ug/L

: C:\H... \1\DA... 306\A...
Operator : LRNewcomer
Acquired : 8 Feb 2006 4:46 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-213-045
Misc Info :
Vial Number: 9



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ59.D Vial: 9
Acq On : 8 Feb 2006 4:46 pm Operator: LRNewcomer
Sample : GPF-213-045 Inst : GC/MS Ins

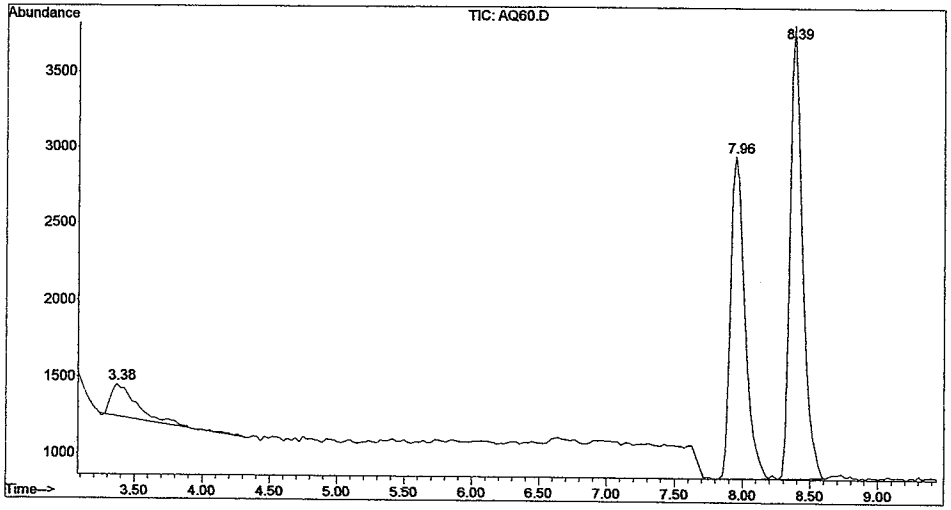
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.95 96 119637 17.97 ug/L
Spiked Amount 20.000 Recovery = 89.85%

Target Compounds
14) TCE 8.39 95 106745 34.67 ug/L

File ...\HPCI... DATA\...\AQ60...
Operator : LRNewcomer
Acquired : 8 Feb 2006 4:59 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-113-065
Misc Info :
Vial Number: 10



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ60.D Vial: 10
Acq On : 8 Feb 2006 4:59 pm Operator: LRNewcomer
Sample : GPF-113-065 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Feb 8 17:09 2006 Quant Results File: GENVOC.RES

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

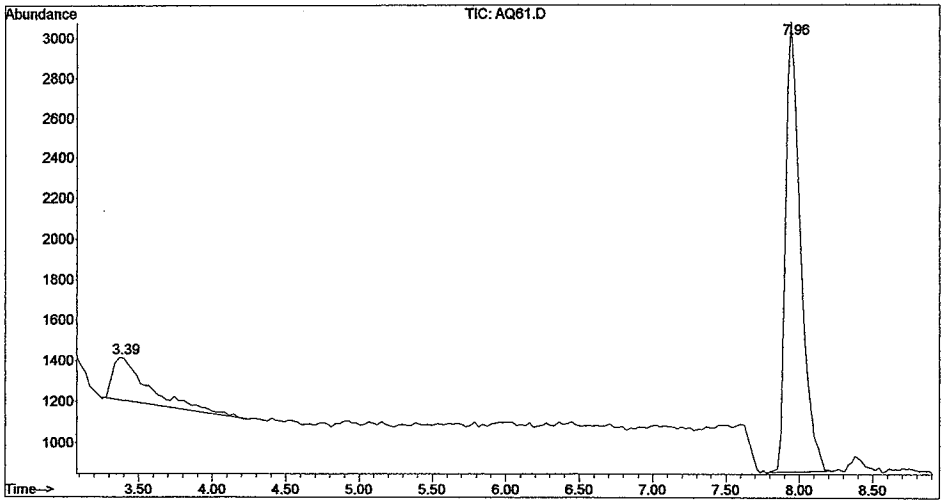
Internal Standards	R.T.	Qion	Response	Conc Units	Dev(Min)

System Monitoring Compounds
13) Fluorobenzene 7.95 96 117687 17.68 ug/L 0.00
Spiked Amount 20.000 Recovery = 88.40%

Target Compounds					Qvalue
14) TCE	8.38	95	103762	33.70 ug/L	92

(#) = qualifier out of range (m) = manual integration
AQ60.D GENVOC.M Tue Feb 28 10:20:17 2006

: C:\H /\1\DA 306\A
Operator : LRNewcomer
Acquired : 8 Feb 2006 5:13 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-113-082
Misc Info :
Vial Number: 11



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ61.D Vial: 11
Acq On : 8 Feb 2006 5:13 pm Operator: LRNewcomer
Sample : GPF-113-082 Inst : GC/MS Ins

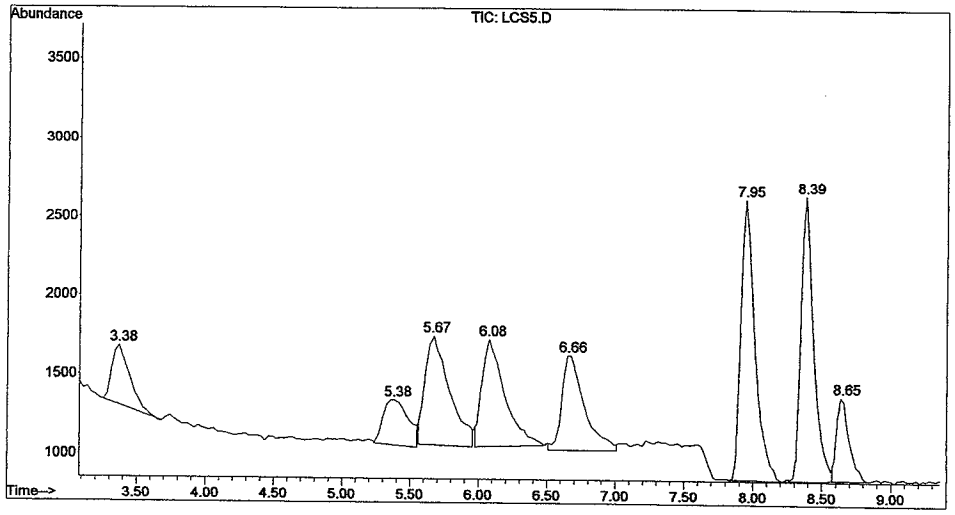
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.95 96 120301 18.07 ug/L
Spiked Amount 20.000 Recovery = 90.35%

Target Compounds
14) TCE 8.38 95 1982m 0.64 ug/L

File \HPC DATA\ \LCS5
Operator : LRNewcomer
Acquired : 8 Feb 2006 5:26 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: calibration check
Misc Info : 10 ug/L
Vial Number: 12



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\LCS5.D Vial: 12
Acq On : 8 Feb 2006 5:26 pm Operator: LRNewcomer
Sample : calibration check Inst : GC/MS Ins

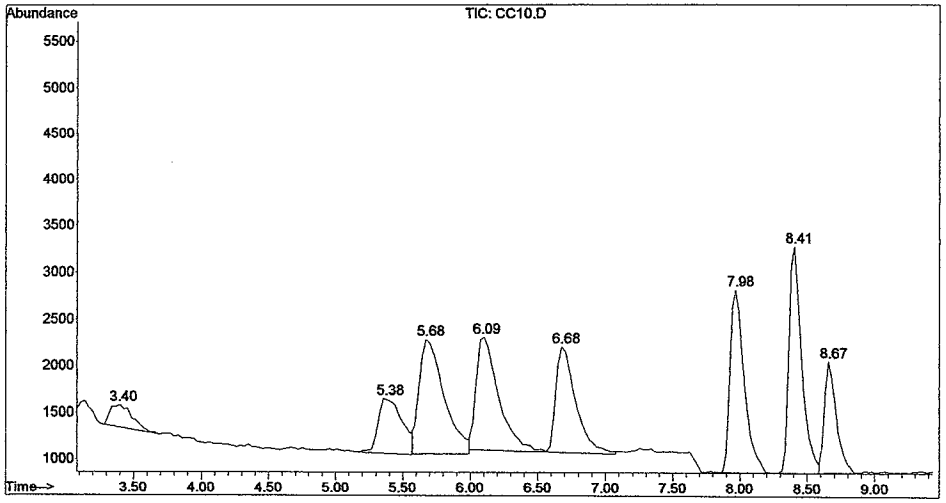
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.94 96 126371 18.98 ug/L
Spiked Amount 20.000 Recovery = 94.90%

Target Compounds
4) Methylene Chloride 5.38 49 21002 11.12 ug/L
5) Trans-1,2-dichloroethene 5.69 96 25389 10.03 ug/L
6) 1,1-DCA 6.09 63 30901 12.09 ug/L
7) Cis-1,2-DCE 6.67 61 19974 10.58 ug/L
14) TCE 8.38 95 34390 11.17 ug/L

: C:H[illegible]M1\DA[illegible]306\C[illegible]
Operator : LRNewcomer
Acquired : 9 Feb 2006 2:42 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: calibration check
Misc Info : 25 ug/L
Vial Number: 1



Quantitation Report (QT Reviewed)

ata File : C:\HPCHEM\1\DATA\020306\CC10.D Vial: 1
cq On : 9 Feb 2006 2:42 pm Operator: LRNewcomer
ample : calibration check Inst : GC/MS Ins

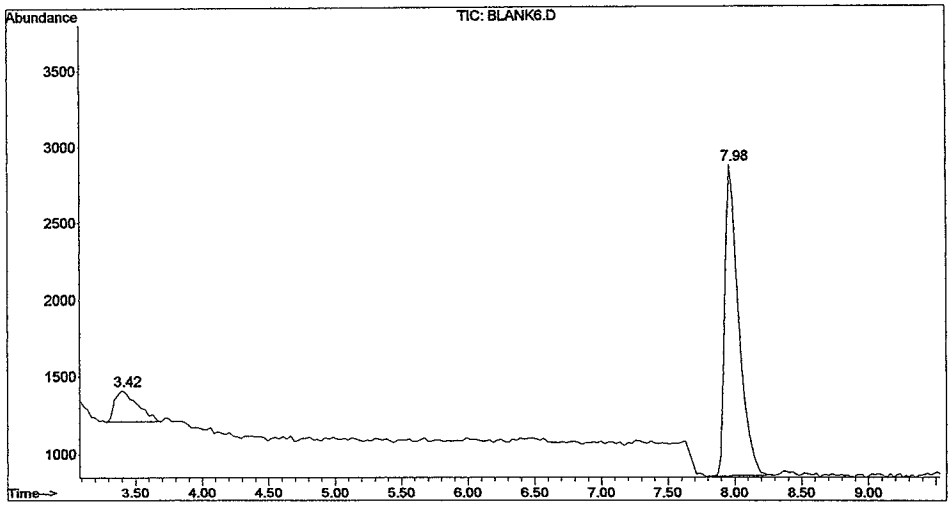
uant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
tle :
ast Update : Tue Feb 28 11:56:18 2006
esponse via : Initial Calibration
ataAcq Meth : GENVOC

nternal Standards R.T. Qion Response Conc Units

ystem Monitoring Compounds
13) Fluorobenzene 7.97 96 109849 21.48 ug/L
Spiked Amount 20.000 Recovery = 107.40%

arget Compounds
4) Methylene Chloride 5.35 49 55533 26.76 ug/L
5) Trans-1,2-dichloroethene 5.70 96 45987 22.88 ug/L
6) 1,1-DCA 6.11 63 61585 24.10 ug/L
7) Cis-1,2-DCE 6.69 61 40995 21.72 ug/L
14) TCE 8.41 95 88241 21.71 ug/L
15) 1,2-dichloropropane 8.66 63 15178 27.64 ug/L

File : C:\HPCH[illegible]ATA\[illegible]BLAN[illegible]
Operator : LRNewcomer
Acquired : 9 Feb 2006 2:57 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: method blank
Misc Info :
Vial Number: 2



Quantitation Report (Not Reviewed)

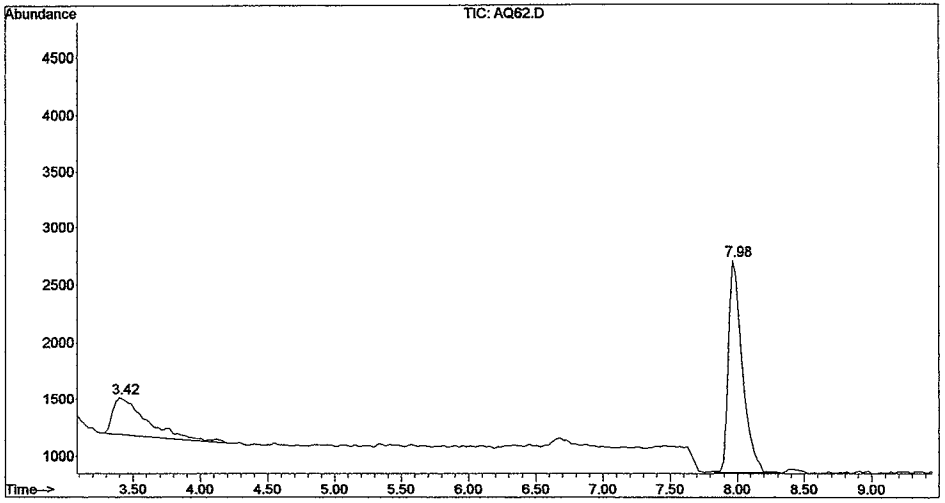
Data File : C:\HPCHEM\1\DATA\020306\BLANK6.D Vial: 2
Acq On : 9 Feb 2006 2:57 pm Operator: LRNewcomer
Sample : method blank Inst : GC/MS Ins
Misc : Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 11:56:18 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards R.T. Qion Response Conc Units

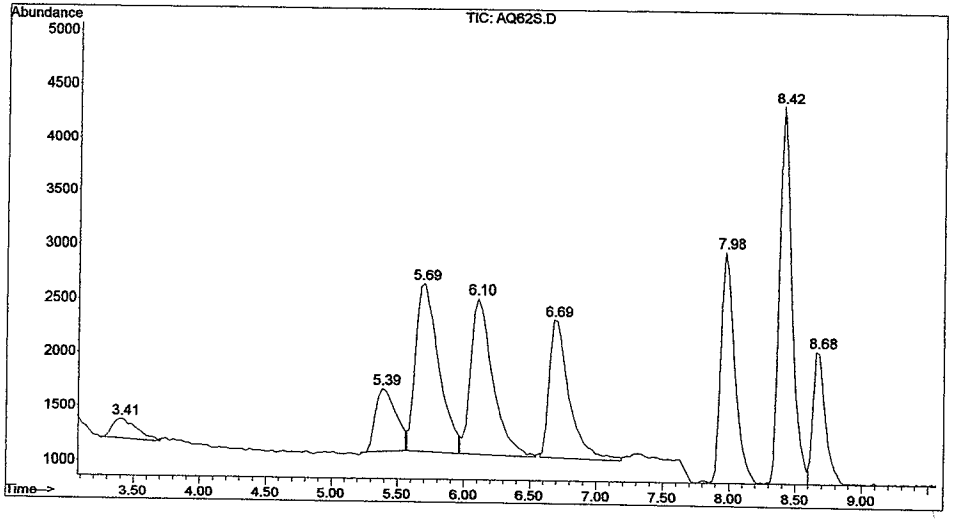
System Monitoring Compounds
13) Fluorobenzene 7.98 96 108979 21.31 ug/L
Spiked Amount 20.000 Recovery = 106.55%

F[illegible]: C:\HI[illegible]\1\DA[illegible]306\AC[illegible]
Operator : LRNewcomer
Acquired : 9 Feb 2006 3:25 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-110-025
Misc Info :
Vial Number: 4



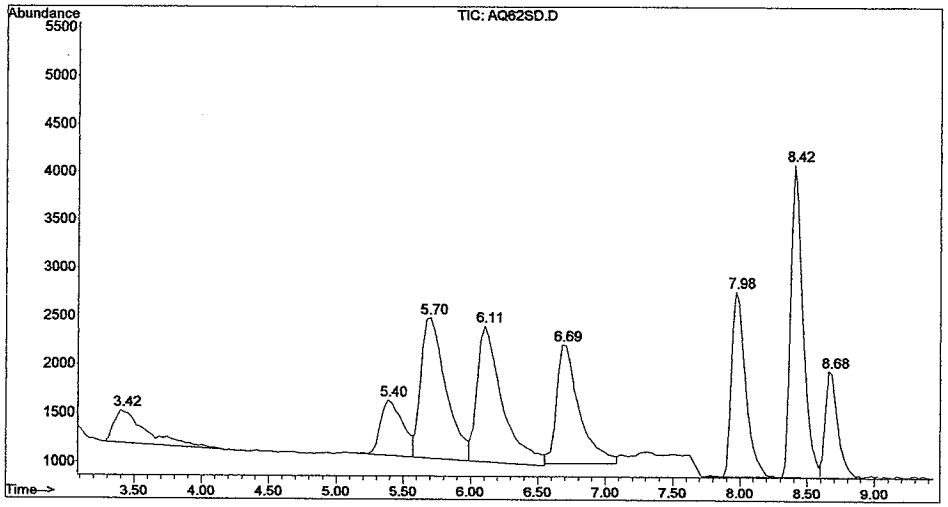
	area	conc.
FB	101766	19.90 ug/L

Fil[illegible]:\HPC[illegible]\DATA[illegible]3\AQ6[illegible]
Operator : LRNewcomer
Acquired : 9 Feb 2006 3:40 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-110-025 MS
Misc Info :
Vial Number: 5

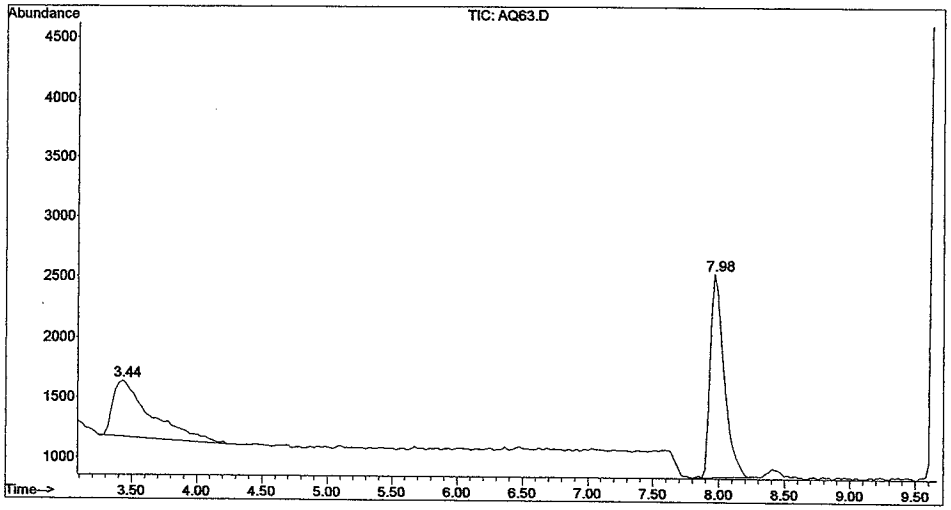


	RT	Area	Conc.
DCM	5.38	50619	26.79 ug/L
T-1,2-DCE	5.71	61672	24.36 ug/L
1,1-DCA	6.11	72415	28.34 ug/L
C-1,2-DCE	6.70	45638	24.18 ug/L
FB	7.98	115389	17.33 ug/L
TCE	8.41	123800	29.58 ug/L
1,2-DCP	8.67	14537	26.47 ug/L

: C:\H /\1\DA 306\A .D
Operator : LRNewcomer
Acquired : 9 Feb 2006 3:54 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-110-025 MSD
Misc Info :
Vial Number: 6



File \HPC DATA\ \AQ63
Operator : LRNewcomer
Acquired : 9 Feb 2006 4:09 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-110-045
Misc Info :
Vial Number: 7



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ62SD.D Vial: 6
Acq On : 9 Feb 2006 3:54 pm Operator: LRNewcomer
Sample : GPF-110-025 MSD Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 07 09:05:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc	Units

System Monitoring Compounds

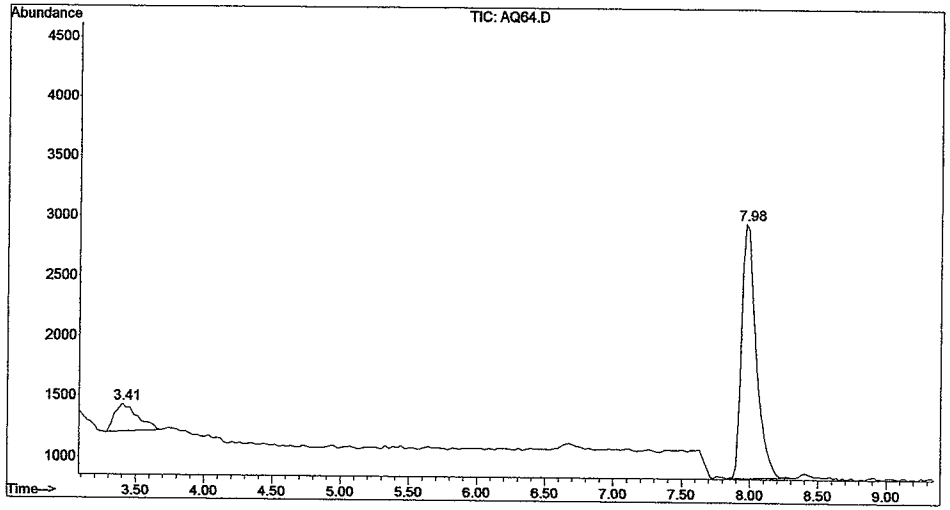
13) Fluorobenzene	7.98	96	106472	15.99	ug/L 0.02
Spiked Amount 20.000			Recovery = 79.95%		

Target Compounds

4) Methylene Chloride	5.38	49	48805	25.83	ug/L
5) Trans-1,2-dichloroethene	5.70	96	60246	23.80	ug/L
6) 1,1-DCA	6.11	63	65144	25.49	ug/L
7) Cis-1,2-DCE	6.70	61	41351	21.91	ug/L
14) TCE	8.40	95	109145	26.05	ug/L
15) 1,2-dichloropropane	8.67	63	14171	25.80	ug/L

	RT	area	conc
FB	7.98	92671	18.12 ug/L

: C:\H /\1\DA 306\A
Operator : LRNewcomer
Acquired : 9 Feb 2006 4:23 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-110-065
Misc Info :
Vial Number: 8



Quantitation Report (Not Reviewed)

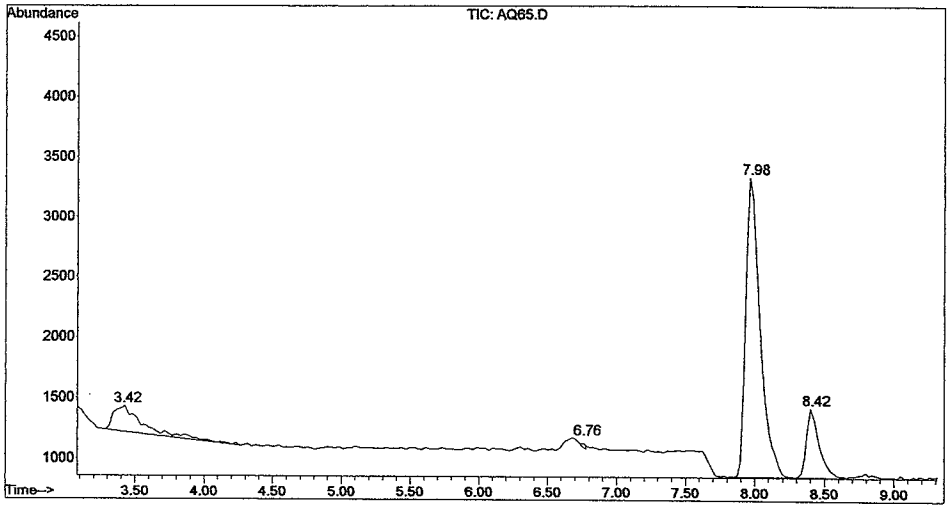
Data File : C:\HPCHEM\1\DATA\020306\AQ64.D Vial: 8
Acq On : 9 Feb 2006 4:23 pm Operator: LRNewcomer
Sample : GPF-110-065 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 11:56:18 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.98 96 119004 23.27 ug/L
Spiked Amount 20.000 Recovery = 116.35%

File HPCH DATA\ AQ65
Operator : LRNewcomer
Acquired : 9 Feb 2006 4:40 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-110-085
Misc Info :
Vial Number: 9



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ65.D Vial: 9
Acq On : 9 Feb 2006 4:40 pm Operator: LRNewcomer
Sample : GPF-110-085 Inst : GC/MS Ins

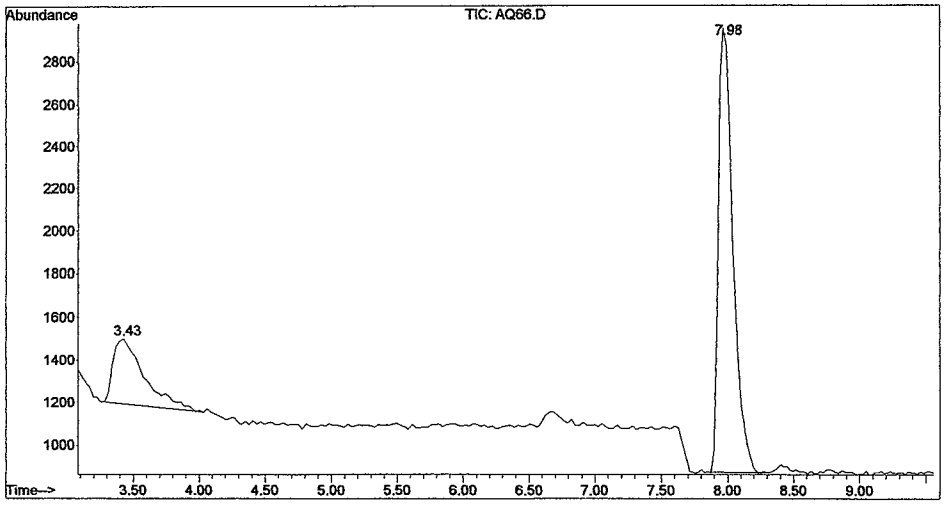
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 11:56:18 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.96 96 112315 21.96 ug/L
Spiked Amount 20.000 Recovery = 109.80%

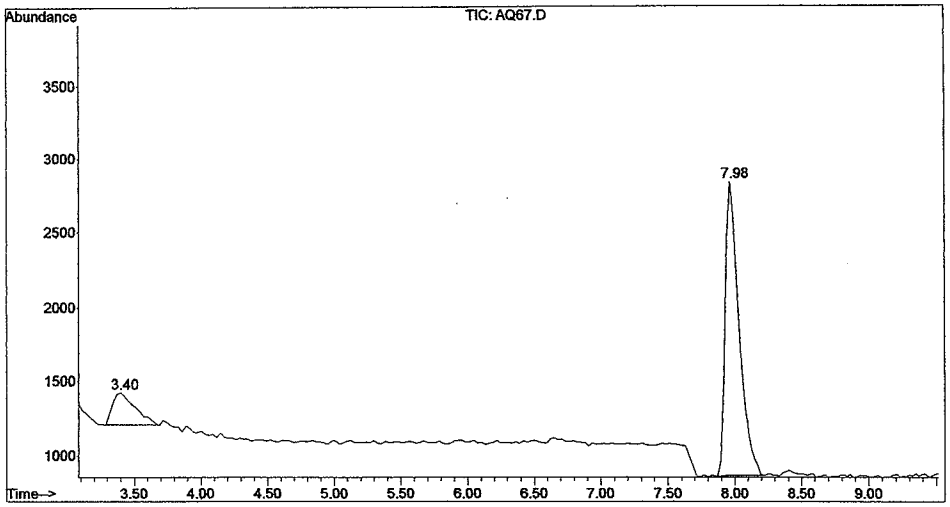
Target Compounds
14) TCE 8.40 95 16696 4.11 ug/L

: C:\H[illegible]\1\DA[illegible]306\A[illegible]
Operator : LRNewcomer
Acquired : 9 Feb 2006 4:57 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-111-025
Misc Info :
Vial Number: 10



	RT	area	conc
FB	7.98	121295	23.71 ug/L

File [illegible]HPCH[illegible]DATA\[illegible]AQ67[illegible]
Operator : LRNewcomer
Acquired : 9 Feb 2006 5:12 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-111-045
Misc Info :
Vial Number: 11



Quantitation Report (Not Reviewed)

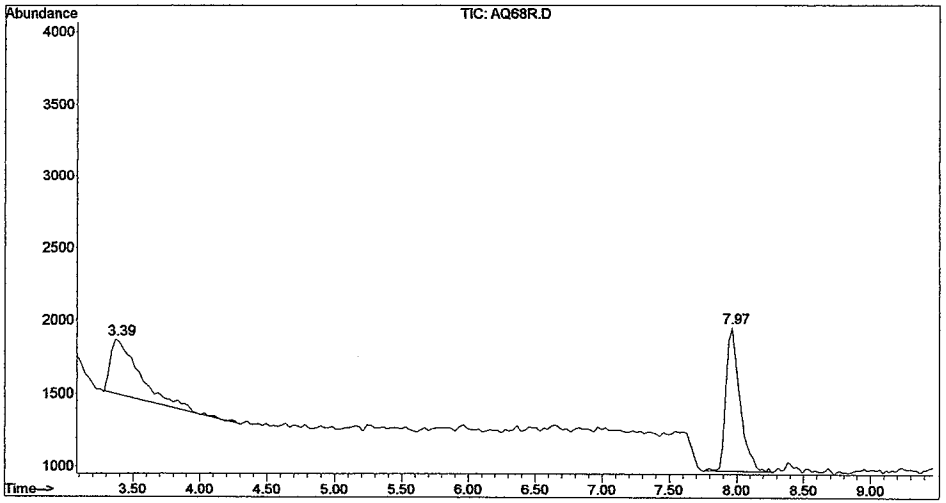
Data File : C:\HPCHEM\1\DATA\020306\AQ67.D Vial: 11
Acq On : 9 Feb 2006 5:12 pm Operator: LRNewcomer
Sample : GPF-111-045 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 11:56:18 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc	Units

System Monitoring Compounds
13) Fluorobenzene 7.98 96 107396 21.00 ug/L
Spiked Amount 20.000 Recovery = 105.00%

: C:\H\1\DA 306\A
Operator : LRNewcomer
Acquired : 10 Feb 2006 11:31 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-211-045 RERUN
Misc Info :
Vial Number: 3



Quantitation Report (Not Reviewed)

0.5mL

Data File : C:\HPCHEM\1\DATA\020306\AQ68R.D Vial: 3
Acq On : 10 Feb 2006 11:31 am Operator: LRNewcomer
Sample : GPF-211-045 RERUN Inst : GC/MS Ins
Misc : Multiplr: 1.00

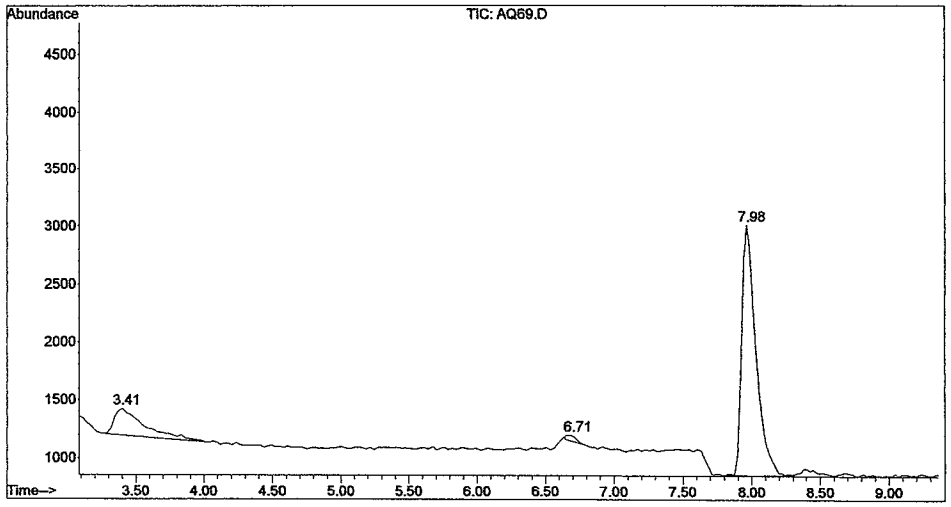
X2

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 11:56:18 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 37895 ~~7.41~~ ug/L
14.82 = 74.1%

File HPCH ATA\ AQ69
Operator : LRNewcomer
Acquired : 9 Feb 2006 6:30 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-111-065
Misc Info :
Vial Number: 2



Quantitation Report (Not Reviewed)

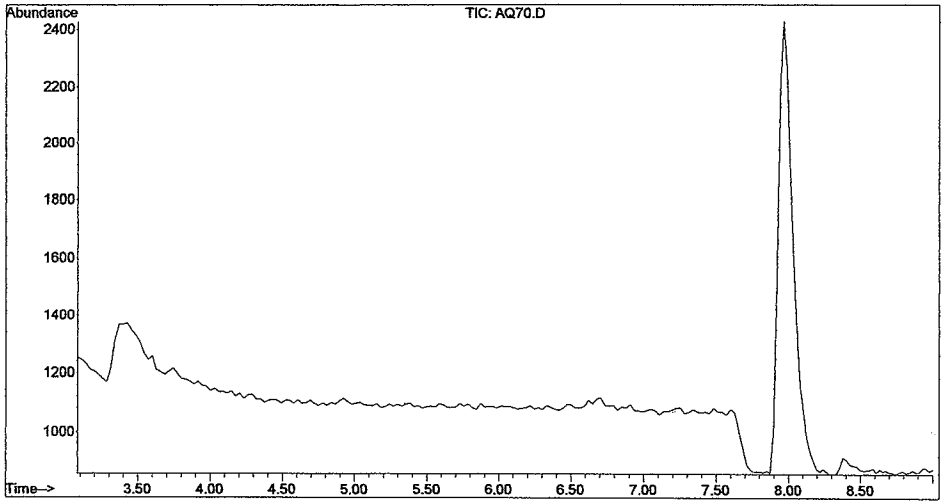
Data File : C:\HPCHEM\1\DATA\020306\AQ69.D Vial: 2
Acq On : 9 Feb 2006 6:30 pm Operator: LRNewcomer
Sample : GPF-111-065 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 11:56:18 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.98 96 116940 22.86 ug/L
Spiked Amount 20.000 Recovery = 114.30%

: C:\H /\1\DA 306\A
Operator : LRNewcomer
Acquired : 9 Feb 2006 6:46 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-111-085
Misc Info :
Vial Number: 3



Quantitation Report (Not Reviewed)

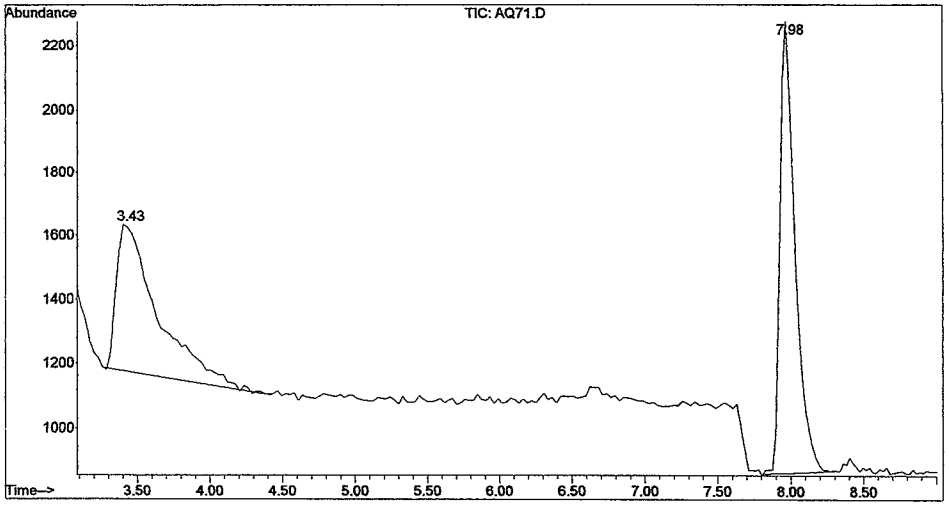
Data File : C:\HPCHEM\1\DATA\020306\AQ70.D Vial: 3
Acq On : 9 Feb 2006 6:46 pm Operator: LRNewcomer
Sample : GPF-111-085 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 11:56:18 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.98 96 86069 16.83 ug/L
Spiked Amount 20.000 Recovery = 84.15%

File HPCH DATA\G AQ71
Operator : LRNewcomer
Acquired : 9 Feb 2006 6:59 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-114-025
Misc Info :
Vial Number: 4



Quantitation Report (QT Reviewed)

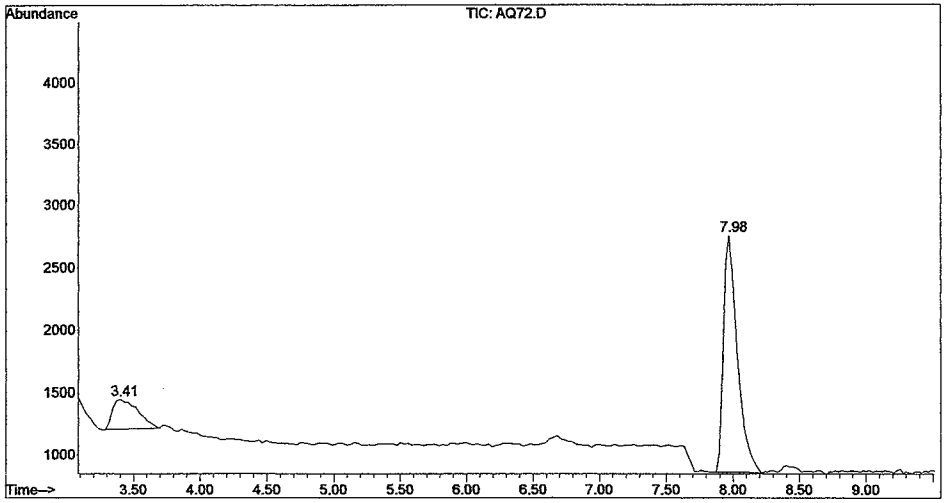
Data File : C:\HPCHEM\1\DATA\020306\AQ71.D Vial: 4
Acq On : 9 Feb 2006 6:59 pm Operator: LRNewcomer
Sample : GPF-114-025 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 11:56:18 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.96 96 86099 16.83 ug/L
Spiked Amount 20.000 Recovery = 84.15%

: C:\HI ...\1\DA...306\A...
Operator : LRNewcomer
Acquired : 9 Feb 2006 7:12 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-114-045
Misc Info :
Vial Number: 5



Quantitation Report (Not Reviewed)

ata File : C:\HPCHEM\1\DATA\020306\AQ72.D Vial: 5
cq On : 9 Feb 2006 7:12 pm Operator: LRNewcomer
ample : GPF-114-045 Inst : GC/MS Ins

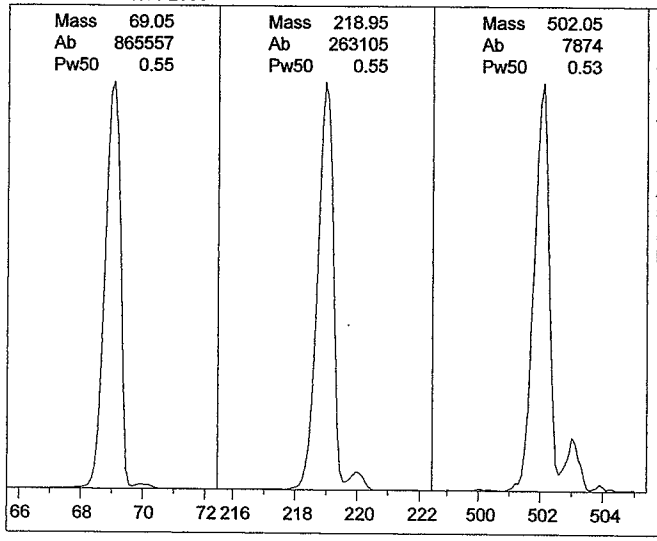
uant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
tle :
ast Update : Tue Feb 28 11:56:18 2006
esponse via : Initial Calibration
ataAcq Meth : GENVOC

nternal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 103355 20.21 ug/L
Spiked Amount 20.000 Recovery = 101.05%

HP5972 BFB Dynamic Target Tune

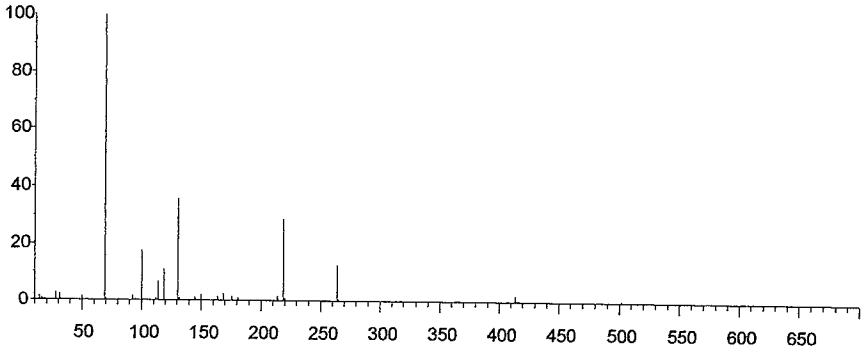
Fri Feb 10 10:10:51 2006 C:\HPCHEM\1\5972\BFB.U



EMVolts	2471	AmuGain	571
Xray	64.1	AmuOffs	79
Emission	35.0	Wid219	0.026
MS Temp	127	TTI	OFF
Vacuum	86	DC Pol	POS
Samples	8	Repeller	30.07
Averages	3	IonFocus	90.0
StepSize	0.10	EntLens	0.00
MassGain	216	EntOffs	VAR
MassOffs	9	Filament	2

PFTBA OPEN

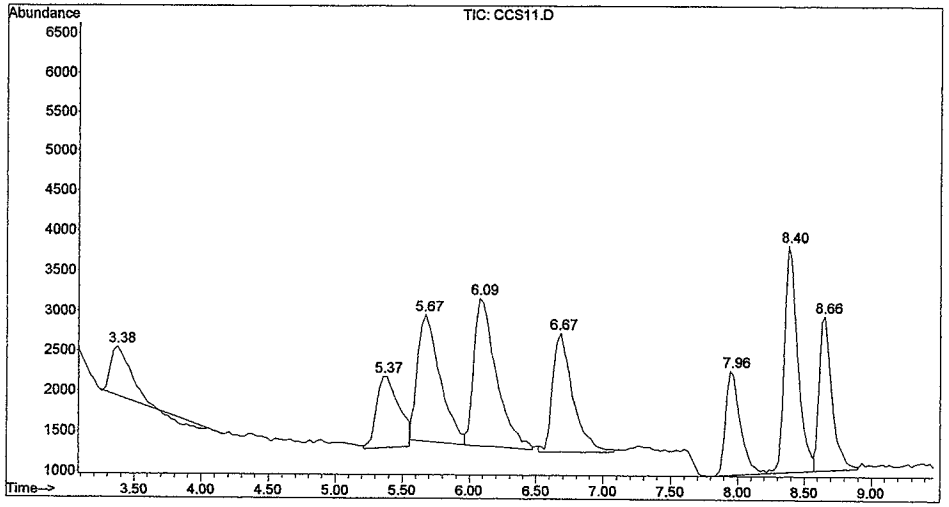
Scan: 10.00 - 700.00 Samples: 8 Thresh: 100
152 peaks Base: 69.05 Abundance: 759360



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.05	759360	100.00	70.05	7877	1.04
218.95	219008	28.84	219.95	9053	4.13
502.05	5786	0.76	502.95	818	14.14

TARGET MASS: 69 131 219 502
DYNAMIC ENT OFFSET: 17.6 15.8 19.6 19.3
TARGET ABUND(%): 100.0 35.0 30.0 0.8
ACTUAL TUNE ABUND(%): 100.0 35.9 28.8 0.8

: C:\ M\1\D 306\C D
Operator : LRNewcomer
Acquired : 10 Feb 2006 11:02 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: CALIBRATION CHECK 25UG/L
Misc Info :
Vial Number: 1



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\CCS11.D Vial: 1
Acq On : 10 Feb 2006 11:02 am Operator: LRNewcomer
Sample : CALIBRATION CHECK 25UG/L Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 13:28:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

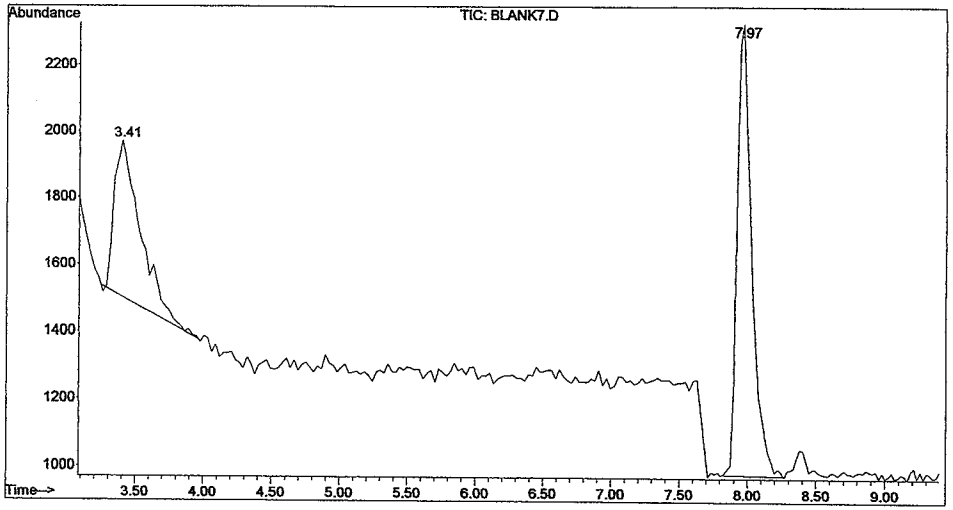
System Monitoring Compounds

13) Fluorobenzene	7.97	96	47275	15.70 ug/L	
Spiked Amount 20.000				Recovery = 78.50%	

Target Compounds

4) Methylene Chloride	5.38	49	67371	23.31 ug/L	
5) Trans-1,2-dichloroethene	5.69	96	23038	24.94 ug/L	
6) 1,1-DCA	6.10	63	105081	24.99 ug/L	
7) Cis-1,2-DCE	6.68	61	73765	24.89 ug/L	
14) TCE	8.40	95	95857	24.92 ug/L	
15) 1,2-dichloropropane	8.65	63	27224	25.13 ug/L	

File :\HPC DATA \BLA
Operator : LRNewcomer
Acquired : 10 Feb 2006 11:17 am using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: BLANK 7
Misc Info :
Vial Number: 2



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\BLANK7.D Vial: 2
Acq On : 10 Feb 2006 11:17 am Operator: LRNewcomer
Sample : BLANK 7 Inst : GC/MS Ins

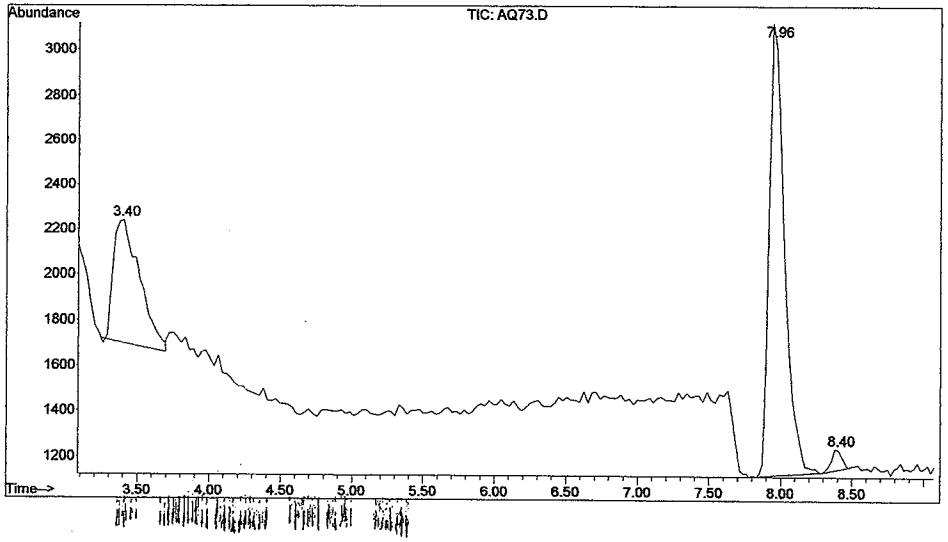
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 13:28:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units	Dev(Min)

System Monitoring Compounds

13) Fluorobenzene	7.97	96	50958	16.93 ug/L	0.01
Spiked Amount 20.000				Recovery = 84.65%	

: C:\H[illegible]M\1\DA[illegible]J306\A[illegible]
Operator : LRNewcomer
Acquired : 10 Feb 2006 1:01 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-114-065
Misc Info :
Vial Number: 4



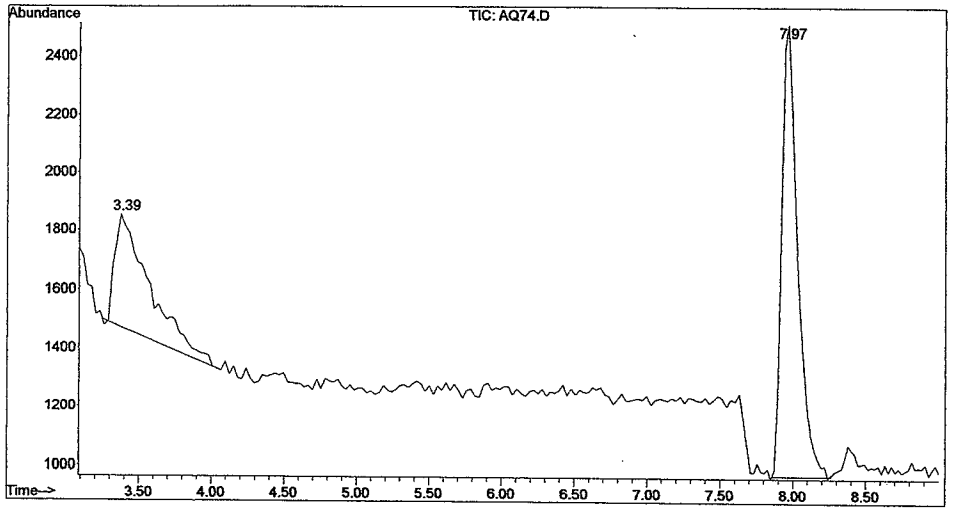
Data File : C:\HPCHEM\1\DATA\020306\AQ73.D Vial: 4
Acq On : 10 Feb 2006 1:01 pm Operator: LRNewcomer
Sample : GPF-114-065 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 13:28:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.96 96 80133 26.62 ug/L
Spiked Amount 20.000 Recovery = 133.10%

File [illegible]\HPCI[illegible]DATA\[illegible]\AQ74[illegible]
Operator : LRNewcomer
Acquired : 10 Feb 2006 1:14 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-114-085
Misc Info :
Vial Number: 5



Quantitation Report (Not Reviewed)

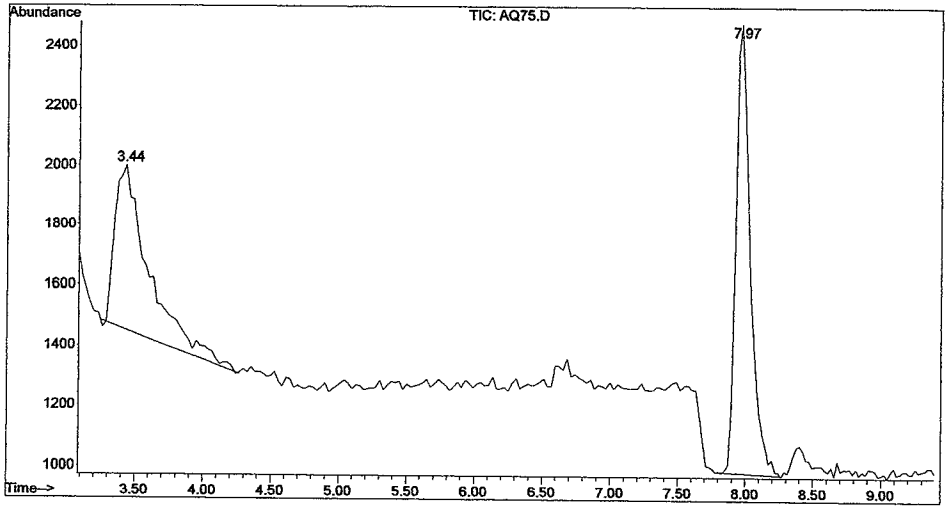
Data File : C:\HPCHEM\1\DATA\020306\AQ74.D Vial: 5
Acq On : 10 Feb 2006 1:14 pm Operator: LRNewcomer
Sample : GPF-114-085 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 13:28:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 62625 20.80 ug/L
Spiked Amount 20.000 Recovery = 104.00%

: C:\H- \1\DA 306\A
Operator : LRNewcomer
Acquired : 10 Feb 2006 1:28 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-119-025
Misc Info :
Vial Number: 6



Quantitation Report (Not Reviewed)

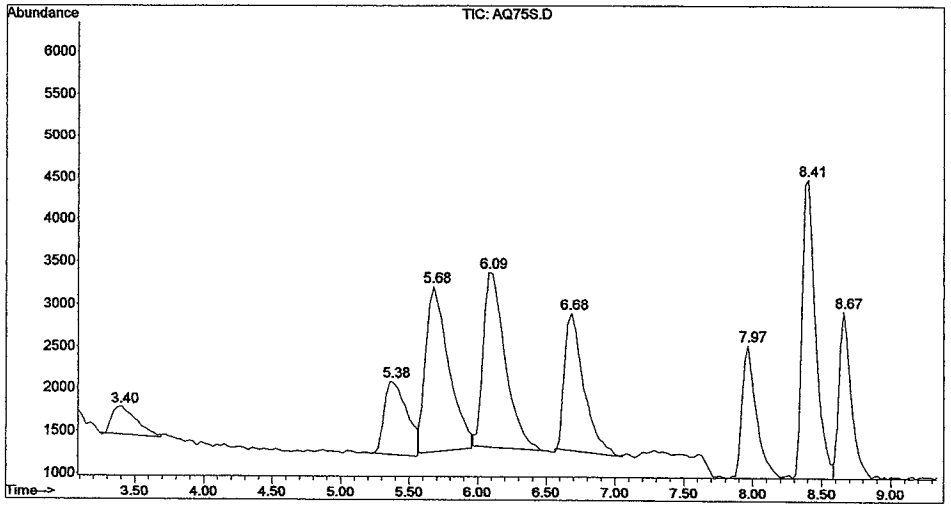
Data File : C:\HPCHEM\1\DATA\020306\AQ75.D Vial: 6
Acq On : 10 Feb 2006 1:28 pm Operator: LRNewcomer
Sample : GPF-119-025 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 28 13:28:58 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc	Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 61060 20.28 ug/L
Spiked Amount 20.000 Recovery = 101.40%

File \HPCH DATA\ \AQ75
Operator : LRNewcomer
Acquired : 10 Feb 2006 1:42 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-119-025 MS
Misc Info :
Vial Number: 7



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ75S.D Vial: 7
Acq On : 10 Feb 2006 1:42 pm Operator: LRNewcomer
Sample : GPF-119-025 MS Inst : GC/MS Ins

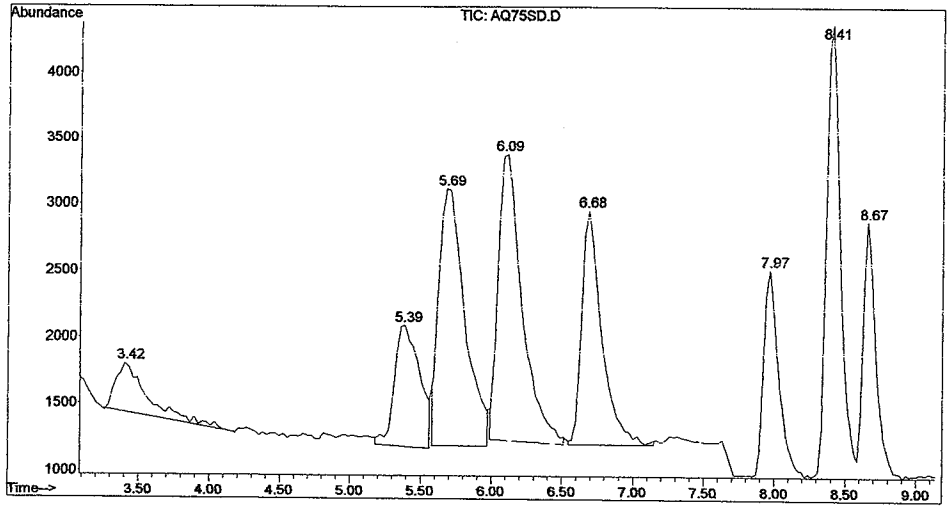
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc	Units	Dev(Min)

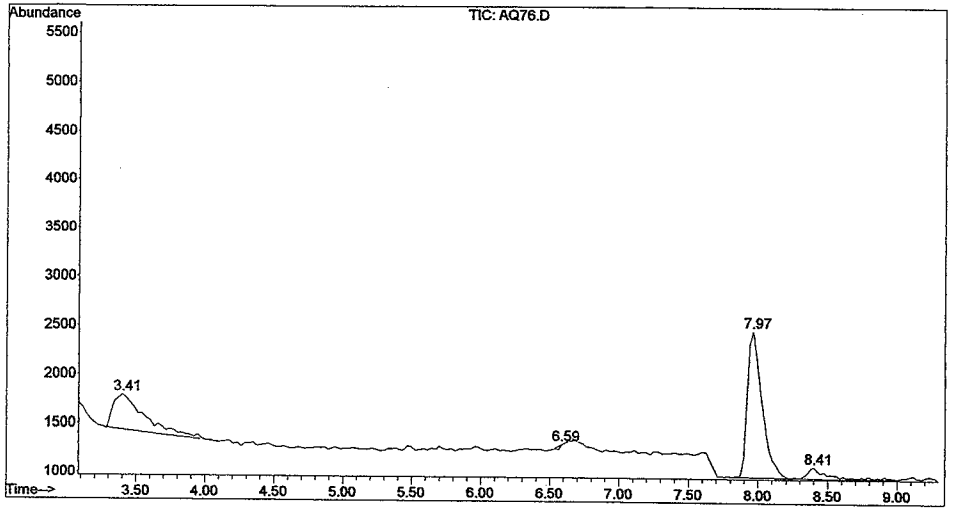
System Monitoring Compounds
13) Fluorobenzene 7.97 96 60512 20.10 ug/L
Spiked Amount 20.000 Recovery = 100.50%

Target Compounds
4) Methylene Chloride 5.36 49 77455 26.80 ug/L
5) Trans-1,2-dichloroethene 5.67 96 27163 29.11 ug/L
6) 1,1-DCA 6.11 63 114073 27.13 ug/L
7) Cis-1,2-DCE 6.68 61 76103 25.68 ug/L
14) TCE 8.40 95 114477 29.69 ug/L
15) 1,2-dichloropropane 8.66 63 27625 25.50 ug/L

: C:H[illegible]/1\DA[illegible]306\A[illegible]D
Operator : LRNewcomer
Acquired : 10 Feb 2006 1:58 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-119-025 MSD
Misc Info :
Vial Number: 8



File [illegible]HPCH[illegible]DATA\[illegible]AQ76[illegible]
Operator : LRNewcomer
Acquired : 10 Feb 2006 2:12 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-119-045
Misc Info :
Vial Number: 9



	RT	area	Conc
FB	7.97	606641	20.15 ug/L

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ75SD.D Vial: 8
Acq On : 10 Feb 2006 1:58 pm Operator: LRNewcomer
Sample : GPF-119-025 MSD Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds

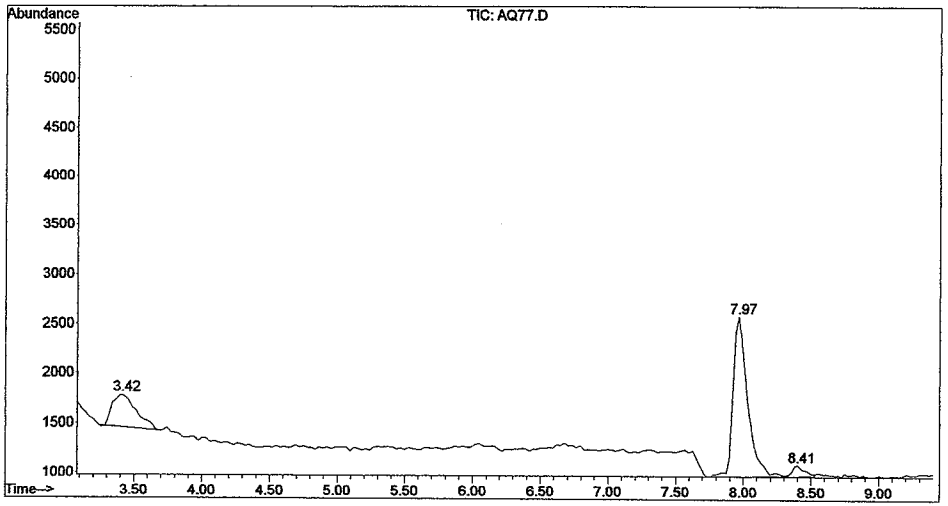
13) Fluorobenzene	7.97	96	61167	20.32 ug/L
Spiked Amount 20.000			Recovery = 101.60%	

Target Compounds

4) Methylene Chloride	5.39	49	71106	24.60 ug/L
5) Trans-1,2-dichloroethene	5.67	96	27054	29.00 ug/L
6) 1,1-DCA	6.11	63	123608	29.40 ug/L
7) Cis-1,2-DCE	6.69	61	82098	27.70 ug/L
14) TCE	8.40	95	108562	28.15 ug/L
15) 1,2-dichloropropane	8.67	63	27587	25.46 ug/L

(

: C:\H[illegible]\1\DA[illegible]306\A[illegible]
Operator : LRNewcomer
Acquired : 10 Feb 2006 2:27 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-119-065
Misc Info :
Vial Number: 10



Quantitation Report (Not Reviewed)

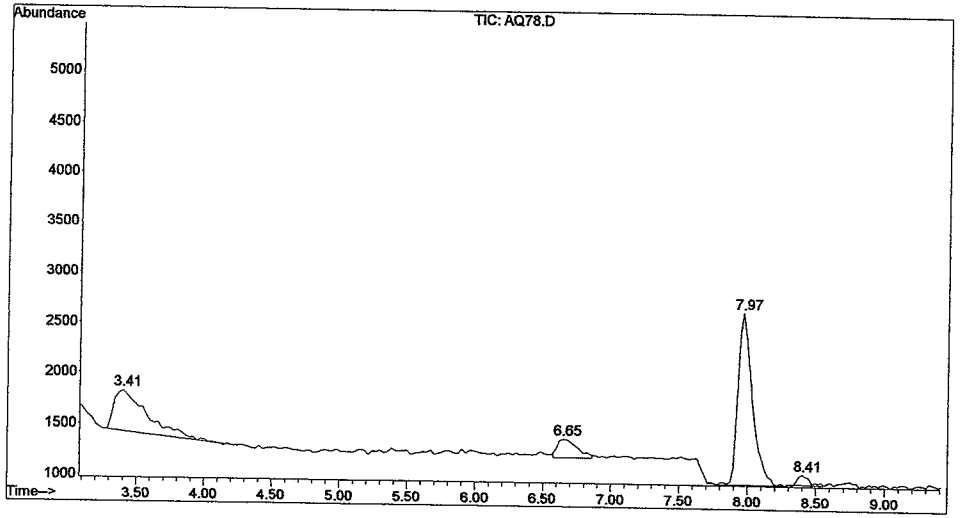
Data File : C:\HPCHEM\1\DATA\020306\AQ77.D Vial: 10
Acq On : 10 Feb 2006 2:27 pm Operator: LRNewcomer
Sample : GPF-119-065 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 64738 21.51 ug/L
Spiked Amount 20.000 Recovery = 107.55%

File [illegible]:\HPC[illegible]DATA\[illegible]\AQ78.D
Operator : LRNewcomer
Acquired : 10 Feb 2006 2:45 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-119-082
Misc Info :
Vial Number: 11



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ78.D Vial: 11
Acq On : 10 Feb 2006 2:45 pm Operator: LRNewcomer
Sample : GPF-119-082 Inst : GC/MS Ins

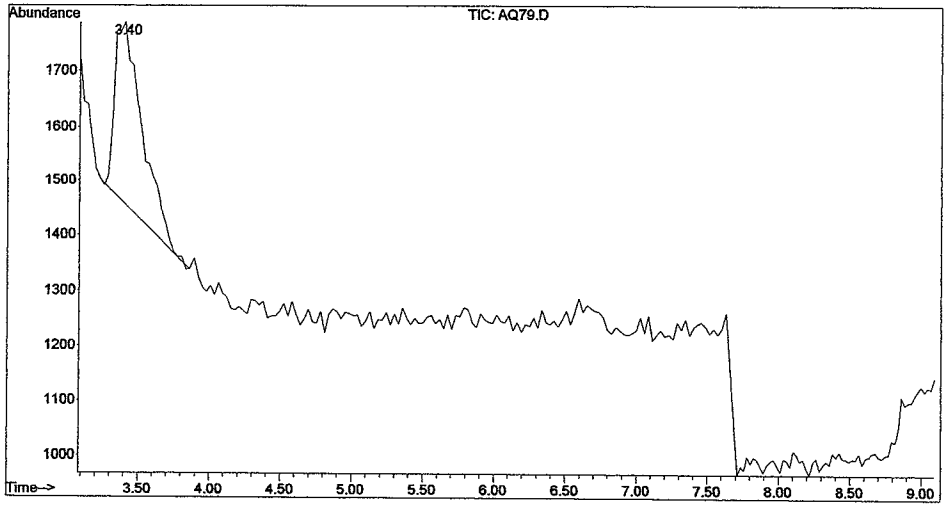
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 69983 23.25 ug/L
Spiked Amount 20.000 Recovery = 116.25%

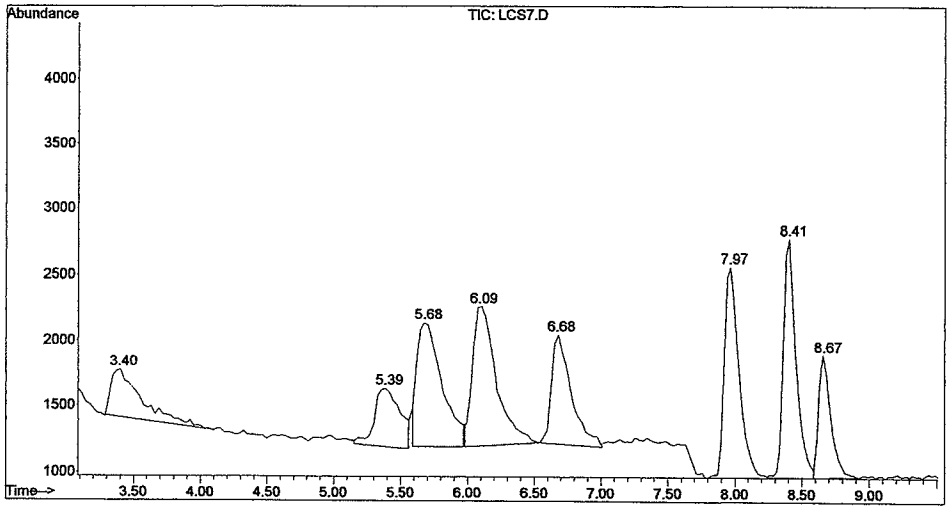
Target Compounds
7) Cis-1,2-DCE 6.67 61 11411 3.85 ug/L

: C:\H[illegible]M\1\D[illegible]0306\A[illegible]
Operator : LRNewcomer
Acquired : 10 Feb 2006 3:31 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-219-065
Misc Info :
Vial Number: 1



omitted FB

File [illegible]:\HPC[illegible]DATA\[illegible]\LCS7.D
Operator : LRNewcomer
Acquired : 10 Feb 2006 2:59 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: ;CS 7 10 UG/L
Misc Info :
Vial Number: 12



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\LCS7.D Vial: 12
Acq On : 10 Feb 2006 2:59 pm Operator: LRNewcomer
Sample : ;CS 7 10 UG/L Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

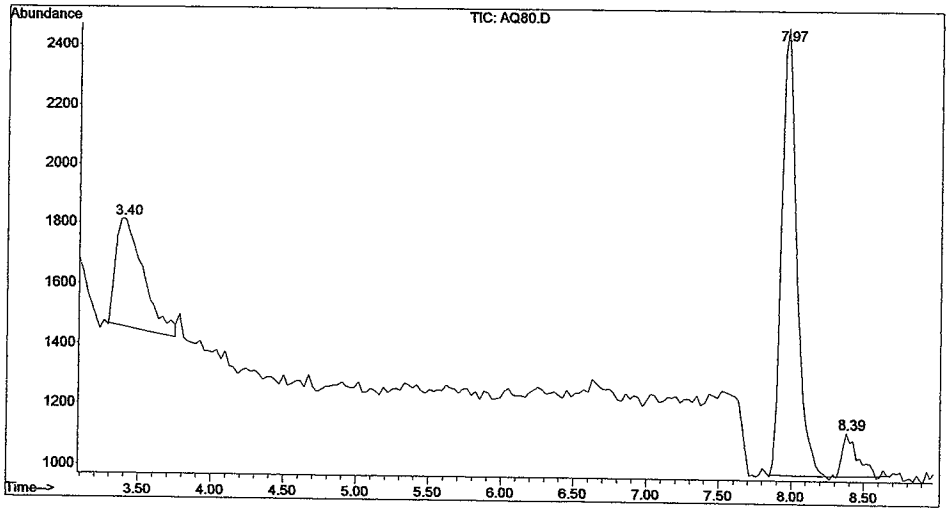
System Monitoring Compounds

13) Fluorobenzene	7.97	96	67019	22.26 ug/L
Spiked Amount 20.000			Recovery = 111.30%	

Target Compounds

4) Methylene Chloride	5.39	49	31668	10.96 ug/L
5) Trans-1,2-dichloroethene	5.67	96	11839	12.69 ug/L
6) 1,1-DCA	6.11	63	50938	12.12 ug/L
7) Cis-1,2-DCE	6.68	61	33012	11.14 ug/L
14) TCE	8.40	95	48453	12.56 ug/L
15) 1,2-dichloropropane	8.65	63	11385	10.51 ug/L

: C:\[illegible]M\1\D[illegible]0306\[illegible]
Operator : LRNewcomer
Acquired : 10 Feb 2006 3:44 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-112-025
Misc Info :
Vial Number: 2



Quantitation Report (Not Reviewed)

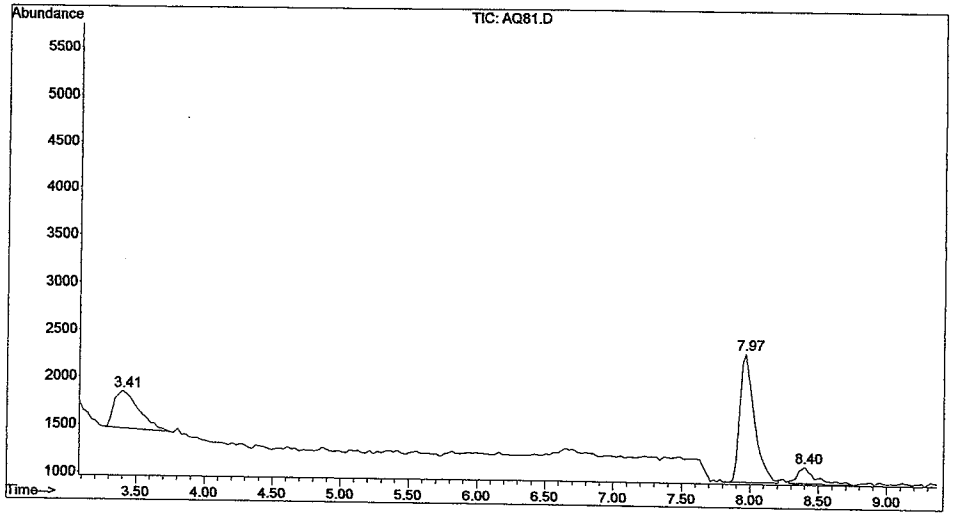
Data File : C:\HPCHEM\1\DATA\020306\AQ80.D Vial: 2
Acq On : 10 Feb 2006 3:44 pm Operator: LRNewcomer
Sample : GPF-112-025 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 60674 20.16 ug/L
Spiked Amount 20.000 Recovery = 100.80%

File: C:\HPC[illegible]\DATA\[illegible]6\AQ8[illegible]
Operator : LRNewcomer
Acquired : 10 Feb 2006 3:58 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-112-045
Misc Info :
Vial Number: 3



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ81.D Vial: 3
Acq On : 10 Feb 2006 3:58 pm Operator: LRNewcomer
Sample : GPF-112-045 Inst : GC/MS Ins

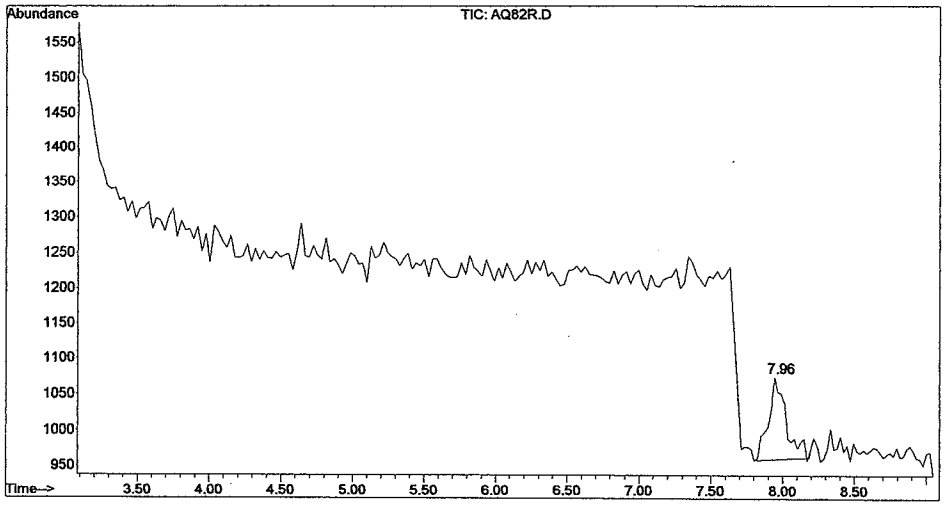
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 56554 18.79 ug/L
Spiked Amount 20.000 Recovery = 93.95%

Target Compounds
14) TCE 8.40 95 4486 1.16 ug/L

: C:\ M\1\D 0306V D
Operator : LRNewcomer
Acquired : 10 Feb 2006 7:28 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-112-065
Misc Info :
Vial Number: 7



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ82R.D Vial: 7
Acq On : 10 Feb 2006 7:28 pm Operator: LRNewcomer
Sample : GPF-112-065 Inst : GC/MS Ins

0.5mL

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

x2

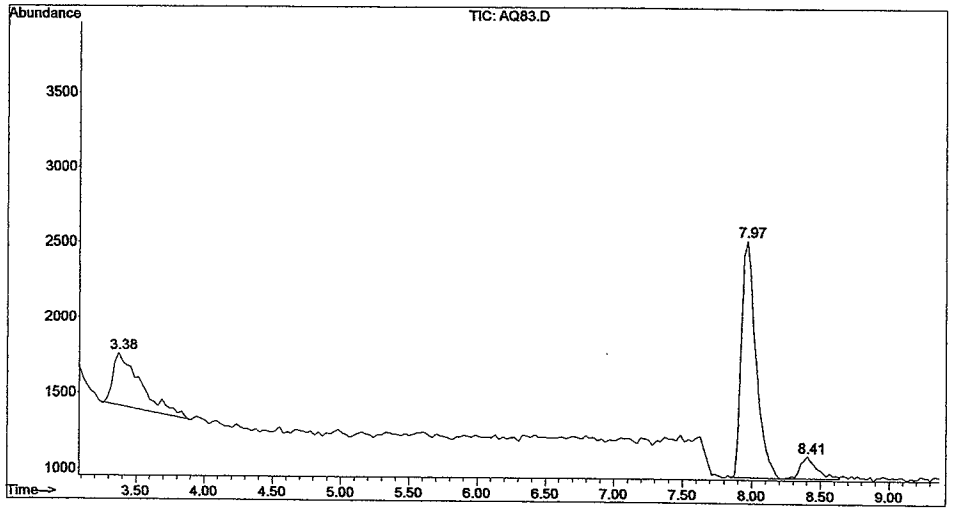
Internal Standards R.T. Qion Response Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.96 96 3011 1.00 ug/L
Spiked Amount 20.000 Recovery = 5.00%

poor recovery

insufficient sample to rerun

File C:\HPC DATA\ AQ8
Operator : LRNewcomer
Acquired : 10 Feb 2006 4:32 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-112-085
Misc Info :
Vial Number: 5



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ83.D Vial: 5
Acq On : 10 Feb 2006 4:32 pm Operator: LRNewcomer
Sample : GPF-112-085 Inst : GC/MS Ins

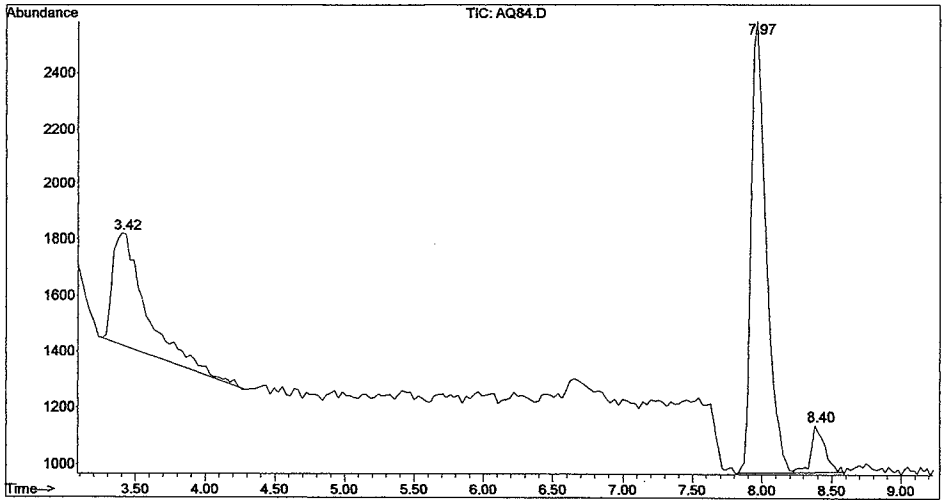
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards R.T. Qion Response Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 67091 22.29 ug/L
Spiked Amount 20.000 Recovery = 111.45%

Target Compounds
14) TCE 8.40 95 4181m 1.08 ug/L

: C:\H... M\1\D... 0306V...
Operator : LRNewcomer
Acquired : 10 Feb 2006 4:49 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-116-025
Misc Info :
Vial Number: 6



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ84.D Vial: 6
Acq On : 10 Feb 2006 4:49 pm Operator: LRNewcomer
Sample : GPF-116-025 Inst : GC/MS Ins

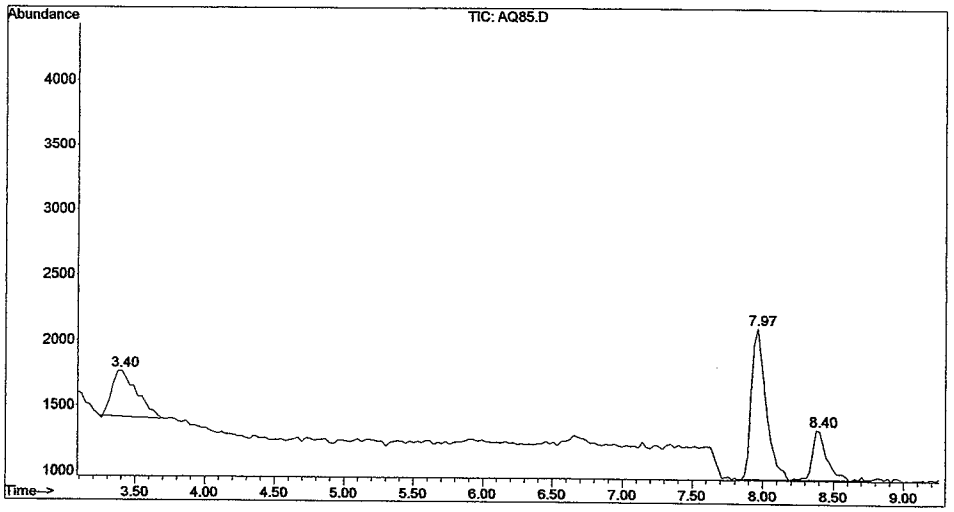
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 67684 22.48 ug/L
Spiked Amount 20.000 Recovery = 112.40%

Target Compounds
14) TCE 8.40 95 4838 1.25 ug/L

File :\HPC... DATA...\AQ8...
Operator : LRNewcomer
Acquired : 10 Feb 2006 5:03 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-116-045
Misc Info :
Vial Number: 7



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ85.D Vial: 7
Acq On : 10 Feb 2006 5:03 pm Operator: LRNewcomer
Sample : GPF-116-045 Inst : GC/MS Ins

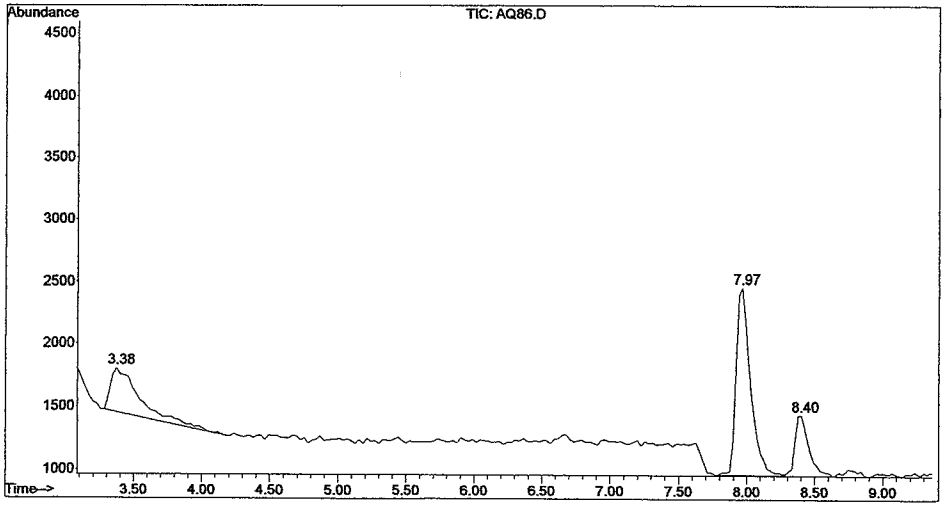
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 47289 15.71 ug/L
Spiked Amount 20.000 Recovery = 78.55%

Target Compounds
14) TCE 8.40 95 12700 3.29 ug/L

: C:\H[illegible]M\1\D[illegible]0306\A[illegible]
Operator : LRNewcomer
Acquired : 10 Feb 2006 5:20 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-216-045
Misc Info :
Vial Number: 8



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ86.D Vial: 8
Acq On : 10 Feb 2006 5:20 pm Operator: LRNewcomer
Sample : GPF-216-045 Inst : GC/MS Ins

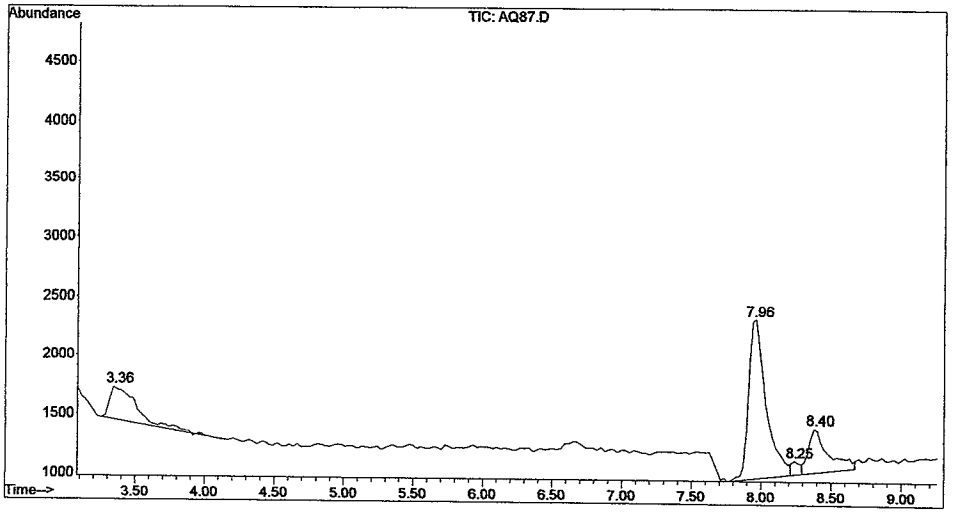
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 62675 20.82 ug/L
Spiked Amount 20.000 Recovery = 104.10%

Target Compounds
14) TCE 8.40 95 16407 4.25 ug/L

File[illegible]:\HPC[illegible]DATA\[illegible]\AQ8[illegible]
Operator : LRNewcomer
Acquired : 10 Feb 2006 5:52 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-116-065
Misc Info :
Vial Number: 9



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ87.D Vial: 9
Acq On : 10 Feb 2006 5:52 pm Operator: LRNewcomer
Sample : GPF-116-065 Inst : GC/MS Ins

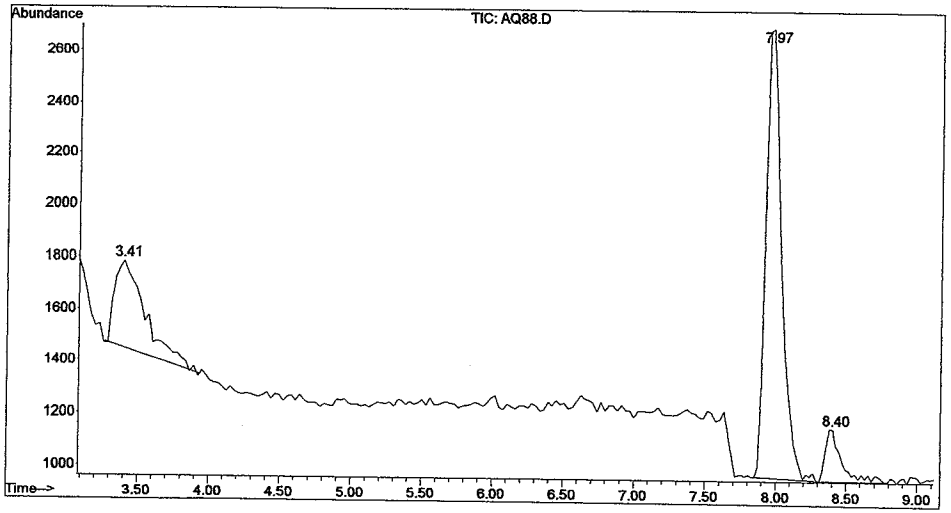
Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

System Monitoring Compounds
13) Fluorobenzene 7.97 96 59636 19.81 ug/L
Spiked Amount 20.000 Recovery = 99.05%

Target Compounds
14) TCE 8.38 95 9542 2.47 ug/L

: C:\H... M\1\DA... 0306\A...
Operator : LRNewcomer
Acquired : 10 Feb 2006 6:06 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-116-085
Misc Info :
Vial Number: 10



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ88.D Vial: 10
Acq On : 10 Feb 2006 6:06 pm Operator: LRNewcomer
Sample : GPF-116-085 Inst : GC/MS Ins
Quant Time: Mar 1 12:44 2006 Quant Results File: GENVOC.RES

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

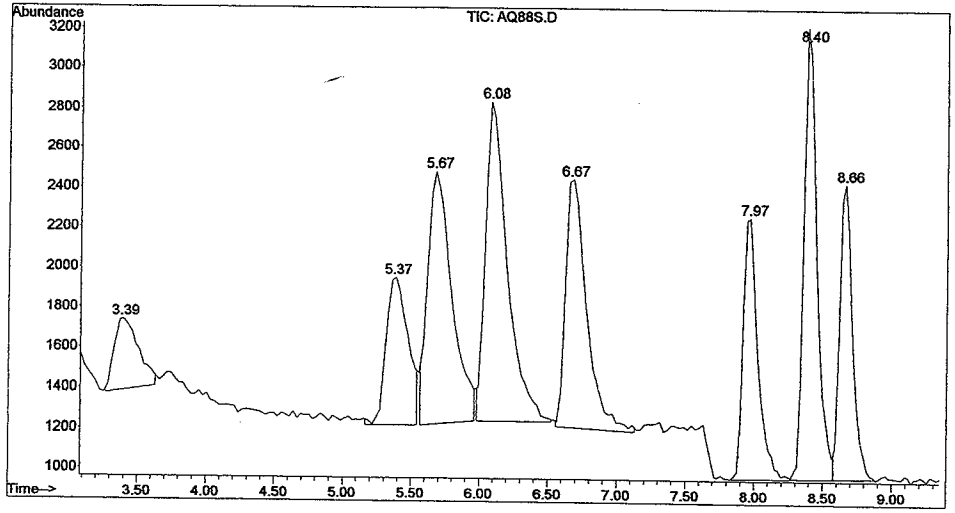
System Monitoring Compounds

13) Fluorobenzene	7.97	96	75443	25.06 ug/L
Spiked Amount 20.000			Recovery = 125.30%	

Target Compounds

14) TCE	8.38	95	5473m	1.42 ug/L

File ...:\HPC...DATA\...\AQ8...
Operator : LRNewcomer
Acquired : 10 Feb 2006 6:20 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-116-085 MS
Misc Info :
Vial Number: 11



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ88S.D Vial: 11
Acq On : 10 Feb 2006 6:20 pm Operator: LRNewcomer
Sample : GPF-116-085 MS Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc Units

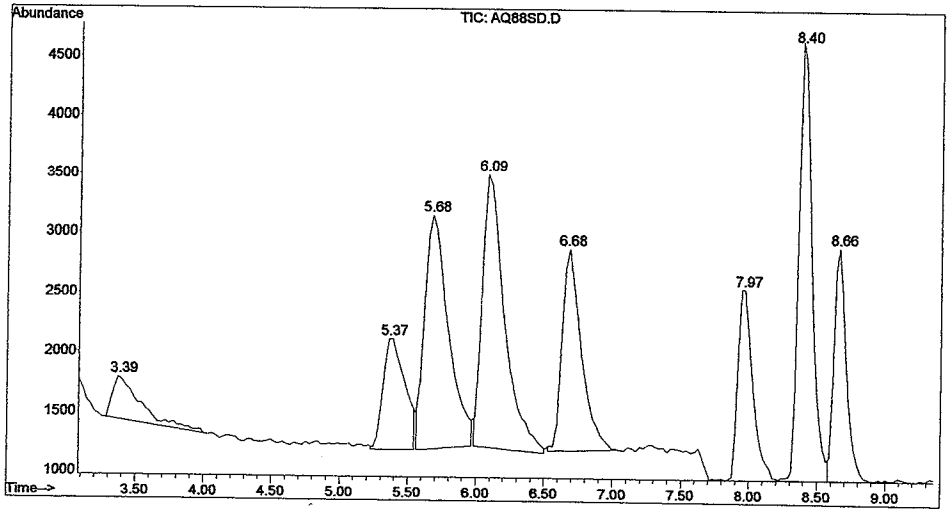
System Monitoring Compounds

13) Fluorobenzene	7.97	96	53877	17.90 ug/L
Spiked Amount 20.000			Recovery = 89.50%	

Target Compounds

4) Methylene Chloride	5.36	49	66332	22.95 ug/L
5) Trans-1,2-dichloroethene	5.69	96	22203	23.80 ug/L
6) 1,1-DCA	6.10	63	90231	21.46 ug/L
7) Cis-1,2-DCE	6.68	61	62041	20.93 ug/L
14) TCE	8.38	95	81318	21.09 ug/L
15) 1,2-dichloropropane	8.63	63	24090	22.24 ug/L

: C:\H[illegible]M\1\D[illegible]020306\A[illegible].D
Operator : LRNewcomer
Acquired : 10 Feb 2006 6:33 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: GPF-116-085 MSD
Misc Info :
Vial Number: 12



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\AQ88SD.D Vial: 12
Acq On : 10 Feb 2006 6:33 pm Operator: LRNewcomer
Sample : GPF-116-085 MSD Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc	Units

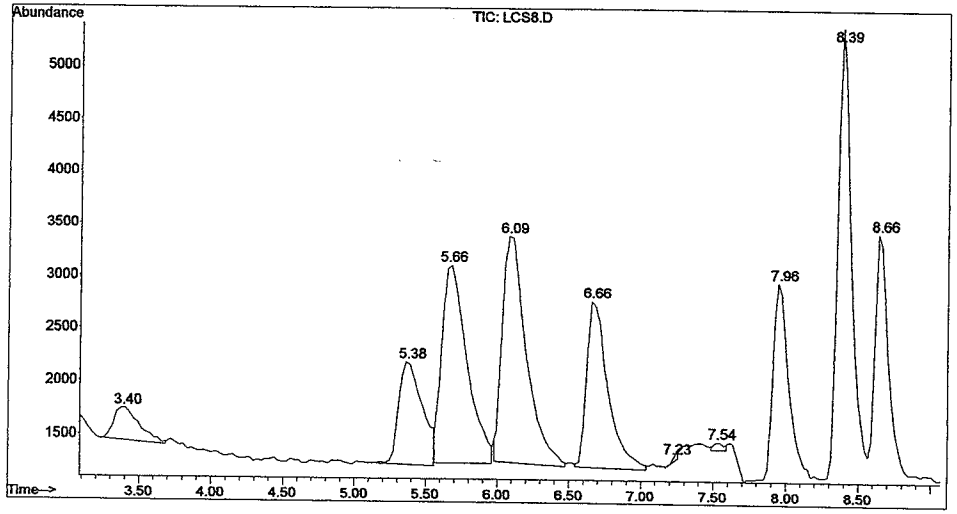
System Monitoring Compounds

13) Fluorobenzene	7.96	96	70544	23.43	ug/L
Spiked Amount 20.000			Recovery = 117.15%		

Target Compounds

4) Methylene Chloride	5.36	49	79249	27.42	ug/L
5) Trans-1,2-dichloroethene	5.67	96	25896	27.75	ug/L
6) 1,1-DCA	6.08	63	118960	28.30	ug/L
7) Cis-1,2-DCE	6.69	61	81023	27.34	ug/L
14) TCE	8.38	95	113019	29.31	ug/L
15) 1,2-dichloropropane	8.66	63	29541	27.27	ug/L

File [illegible]:\HPC[illegible]DATA\[illegible]\LCS[illegible].D
Operator : LRNewcomer
Acquired : 10 Feb 2006 7:14 pm using AcqMethod GENVOC
Instrument : GC/MS Ins
Sample Name: LCS 8
Misc Info :
Vial Number: 6



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\020306\LCS8.D Vial: 6
Acq On : 10 Feb 2006 7:14 pm Operator: LRNewcomer
Sample : LCS 8 Inst : GC/MS Ins

Quant Method : C:\HPCHEM\1\METHODS\GENVOC.M (Chemstation Integrator)
Title :
Last Update : Wed Mar 01 12:00:00 2006
Response via : Initial Calibration
DataAcq Meth : GENVOC

Internal Standards	R.T.	Qion	Response	Conc	Units

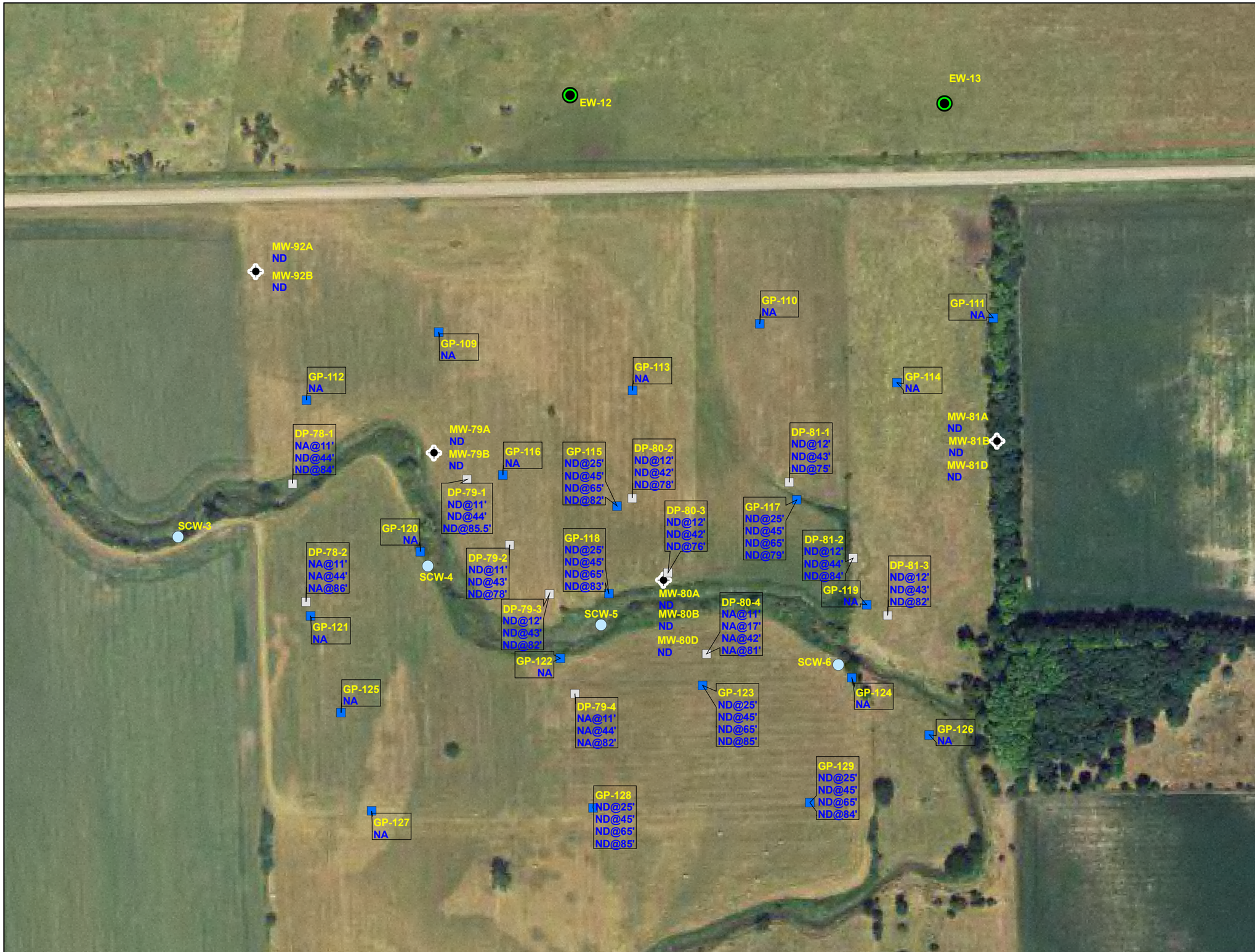
System Monitoring Compounds

13) Fluorobenzene	7.94	96	72512	24.09	ug/L
Spiked Amount 20.000			Recovery = 120.45%		

Target Compounds

4) Methylene Chloride	5.36	49	73674	25.49	ug/L
5) Trans-1,2-dichloroethene	5.67	96	26004	27.87	ug/L
6) 1,1-DCA	6.11	63	116824	27.79	ug/L
7) Cis-1,2-DCE	6.68	61	78690	26.55	ug/L
14) TCE	8.38	95	106626	27.65	ug/L
15) 1,2-dichloropropane	8.63	63	29277	27.02	ug/L

(



Legend

- Direct-Push Sampling Location (June 2004)
- Extraction Well
- Monitoring Well
- Surface Water Sampling Location
- Direct-Push Sampling Location (Feb. 2006)

N W E S

1 inch equals 200 feet

0 50 100 200 300 400 Feet

1. Surface water samples SCW-2, SCW-4, and SCW-5 were last sampled in September 2004 and were ND for RDX.

2. Surface water samples SCW-1, SCW-3, and SCW-6 sampled quarterly in 2005 and were ND for RDX.

3. Monitoring well data is from October 2005.

4. Data presented in blue are RDX results. All data is presented in µg/L.

5. "J" indicates an estimated value. "ND" indicates a non-detect. "NA" indicates not analyzed for explosives.

6. June 2004 direct-push locations are approximated.

NOTES:

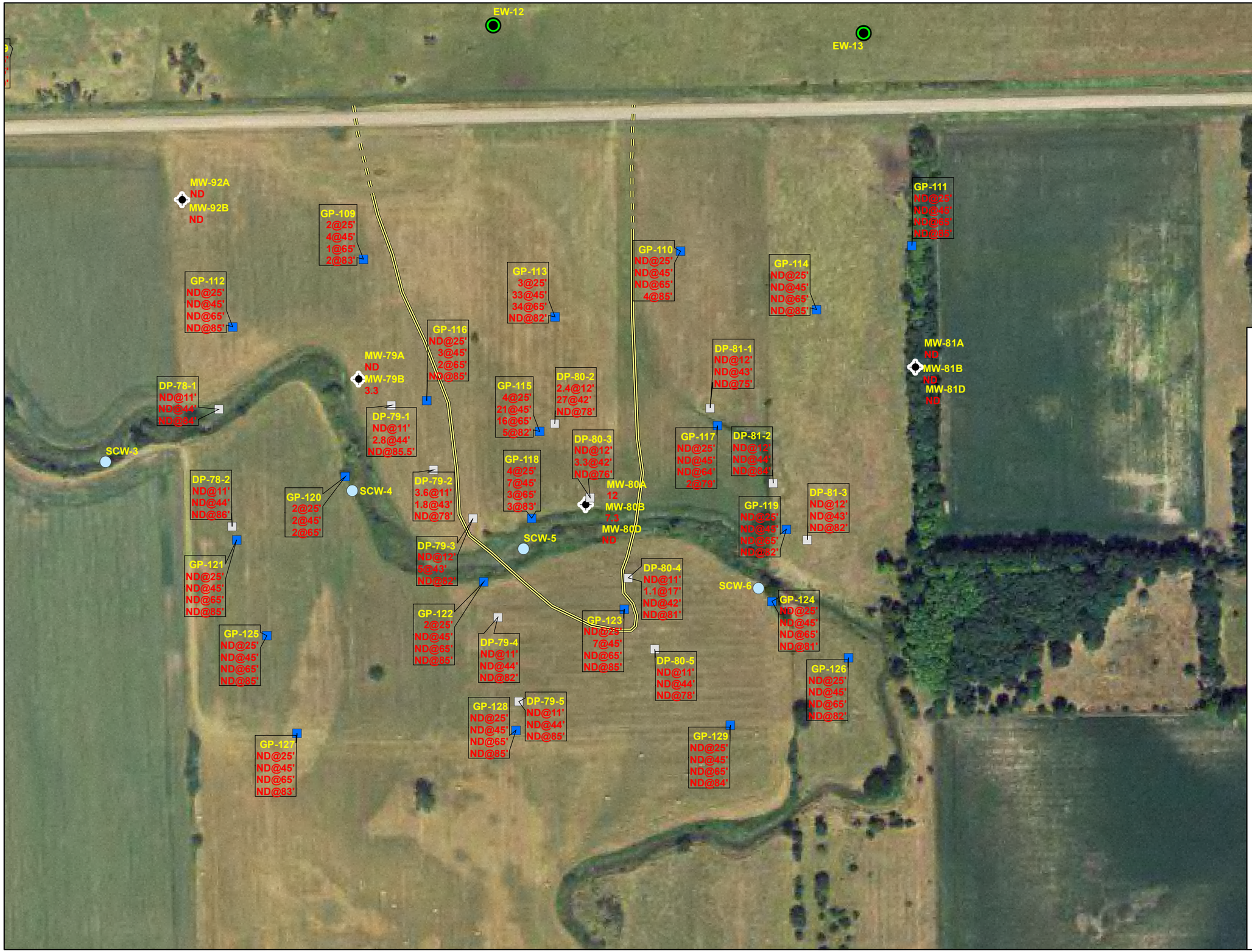
2003 AERIAL IMAGERY SOURCE: NEBRASKA DEPARTMENT OF NATURAL RESOURCES DATA BANK

URS

8300 College Blvd Suite 200
Overland Park, KS 66210

CLIENT:	U.S. ARMY CORPS OF ENGINEERS	
SITE:	FORMER NEBRASKA ORDNANCE PLANT	
TITLE:	RDX ANALYTICAL RESULTS SOUTH OF EW-12 and EW-13	
DRAWN BY KMG	CHECKED BY RJE	APPROVED BY LAT
PROJECT No. 16529979	DATE MARCH 2006	FIGURE NO. 5-2

File: K:\Mead\PROJECTS\Transect_Field_Maps\Transect Mapbook EW-12-13 RDX Sample Results.mxd , Mar 22, 2006 5:21:38 PM, URS Corp.



1. Surface water samples SCW-2, SCW-4, and SCW-5 were sampled in September 2004 and were ND for TCE.

2. Surface water samples SCW-1, SCW-3, and SCW-6 sampled quarterly in 2005 and were ND for TCE.

3. Monitoring well data is from October 2005.

4. Data presented in red are TCE results. All data is presented in µg/L.

5. "J" indicates an estimated value. "ND" indicates a non-detect.

6. June 2004 direct-push locations are approximated.

7. Only on-site field analysis results are presented with the exception of locations DP-79-5 and DP-80-5 which were analyzed off-site.

1 inch equals 200 feet

0 50 100 200 300 400 Feet

NOTES:

2003 AERIAL IMAGERY SOURCE: NEBRASKA DEPARTMENT OF NATURAL RESOURCES DATA BANK

URS

8300 College Blvd Suite 200
Overland Park, KS 66210

CLIENT:	U.S. ARMY CORPS OF ENGINEERS
SITE:	FORMER NEBRASKA ORDNANCE PLANT
TITLE:	TCE ANALYTICAL RESULTS SOUTH OF EW-12 AND EW-13

DRAWN BY	CHECKED BY	APPROVED BY
KMG	RJE	LAT
PROJECT No. 16529979	DATE MARCH 2006	FIGURE NO. 5-1

File: K:\Mead\PROJECTS\Transect_Field_Maps\Transect Mapbook EW-12-13 Sample Results.mxd , Mar 22, 2006 5:21:38 PM, URS Corp.