

Annual Monitoring Report

**Former K-C Kwik Stop
Brooten, MN**

February 21, 2007

Section 1 of 1



Petroleum Remediation Program

Minnesota Pollution Control Agency

http://www.pca.state.mn.us/programs/lust_p.html

Annual Monitoring Report

Guidance Document 4-08

After the Corrective Action Design (CAD) has been approved, update and submit this worksheet annually. If a remedial system has been installed, submit Guidance Document 4-14 *CAD System Monitoring Worksheet* along with this worksheet.

Under certain circumstances Minnesota Pollution Control Agency (MPCA) staff may request submittal of the monitoring information on a quarterly schedule. This should be conducted according to Guidance Document 4-07 *Quarterly Monitoring Report*.

MPCA Site ID: Leak000 14698

Date: February 21, 2007

Responsible Party: North American State Bank R.P. phone #: 320-254-8271

R.P. Mailing Address: P. O. Box 189

City: Belgrade Zip Code: 56312

Consultant: Coteau Environmental Consultant phone #: 320-846-4668

Facility Name: Former K-C Kwik Stop

Facility Address: 230 1st Street City: Brooten

County: Stearns Zip Code: 56316

Site Location Information: Complete Guidance Document 1-03a *Spatial Data Reporting Form* and include in Appendix E. If the form has already been submitted and no additional site features need to be reported, the form does not need to be re-submitted.

Section 1. GROUND WATER MONITORING

Discuss the groundwater monitoring results, including water level measurements and analytical results, performed since the Investigation Report or the last progress report submitted. Include all cumulative data in the tables. Indicate whether samples were purged or unpurged (see Guidance Document 4-05). If purged, indicate purging method.

Area Location Map is illustrated in Figure 1. A site map is shown on Figure 2. The vapor intrusion boring locations are shown on Figure 3A.

Fluid levels were measured in all monitor wells on February 1, May 4, August 21 and November 7, 2006. Based on fluid levels measured in the monitor wells on February 1, May 4, August 21 and November 7, 2006, ground water flow is to the southeast. The predominant flow direction at the site appears to be to the southeast. Ground water elevations are illustrated by the water table contour maps shown on Figure 4A, 4B, 4C and 4D. Historical ground water elevations are illustrated on Figure 5.

Ground water samples were collected for laboratory analysis from monitor wells MW-3, MW-4, MW-5 and MW-6 on February 1, May 4, August 21 and November 7, 2006. Ground water samples were purged by removing a minimum of five (5) well casing volumes from the well prior to sampling using a dedicated polyethylene bailer.

BTEX impacts in ground water from MW-3, MW-4 and MW-6 on February 1, May 4, August 21 and November 7, 2006 were below the Health Risk Limit (HRL) for these constituents. TPH as GRO was detected in monitor well MW-3 on February 1, May 4, August 21 and November 7, 2006 at concentrations of 419, 1,800, 197 and 396 parts per billion (ppb), respectively. TPH as GRO was detected in monitor well MW-4 on February 1, May 4, August 21 and November 7, 2006 at concentrations of 163, 156, 104 and 324 ppb, respectively. Benzene was detected in MW-5 on February 1, May 4, August 21 and November 7, 2006 at concentrations of 1,280, 1,810, 2,440 and 1,090 ppb, respectively. Toluene was detected in MW-5 on February 1, May 4, August 21 and November 7, 2006 at concentrations of 16,200, 16,600, 20,900 and 12,500 ppb, respectively. Ethyl benzene was detected in MW-5 on May 4, August 21 and November 7, 2006 at concentrations of 1,520, 2,040 and 1,450 ppb, respectively. TPH as GRO was detected in monitor well MW-5 on February 1, May 4, August 21 and November 7, 2006 at concentrations of 15,700, 34,800, 45,100 and 32,200 ppb, respectively. These concentrations of benzene, toluene, ethyl benzene and xylene's are above the HRL's of 10, 1,000, 700 and 10,000 ppb, respectively. Historic fluctuations in benzene and TPH as GRO concentrations are shown on Figures 6 and 7, respectively. Ground water contaminant concentrations are included in Table 3 and 4.

A field blank or duplicate ground water sample was collected from one (1) monitor well during each monitoring event for quality assurance/quality control (QA/QC), and was laboratory analyzed for BTEX and TPH as GRO. In addition, a trip blank QA/QC sample was laboratory analyzed for BTEX. The duplicate ground water sample and trip blank historical data are illustrated in Table 3. No field or laboratory interference's were identified in the QA/QC samples.

Section 2. VAPOR IMPACT MONITORING

If vapor impacts were detected during previous assessments, discuss the results of follow-up vapor monitoring. Include in your discussion the sampling instrument and sampling method.

The basement cistern was screened for organic vapors utilizing a photoionization detector (PID) and explosimeter to measure lower explosive limit (LEL) on February 1, 2006. Elevated organic vapor concentrations were encountered in the basement of 110 South

Western Avenue on February 1, 2006 at a concentration of 648.7 parts per million (ppm) (Table 6). It appears that the vapors originated from a former cistern in the basement floor. It appears that the PID readings in the basement of 110 South Western Avenue may be a result of petroleum impacts originating from the former KC Kwik Stop property as this residence is down gradient of the former KC Kwik Stop property with respect to ground water flow. The vapor survey locations are illustrated on Figure 8.

Five (5) soil vapor intrusion borings were completed on February 24 and 27, 2006. Vapor intrusion boring samples (VB-1, VB-2, VB-3, VB-4 and VB-5) were collected on February 24 and 27, 2006 (Figure 3A) and three (3) air samples were collected from the basement indoor air on March 14, August 22 and November 8, 2006 of 110 South Western Avenue utilizing Summa canisters. Benzene was detected in VB-1, VB-2 on February 24 and in VB-5 on February 27, 2006 and in the Indoor Air on August 22 and November 8, 2006 at concentrations of 95.8, 47,400, 9.6, 3.7 and 3.0 milligrams per cubic meter (ug/m^3), respectively. These concentrations of benzene are above the Minnesota Department of Health (MDH) Acute Health Risk Value (HRV) of 1,000 and the MDH Chronic HRV of 1.3 to 4.5. Ethyl benzene was detected in VB-2 and VB-3 on February 24, 2006 at concentrations of 161,000 and 2,070 ug/m^3 , respectively. These concentrations of ethyl benzene are above the MDH Acute HRV of 10,000 and the Environmental Protection Agency (EPA) Reference Concentration of 1,000. Toluene was detected in VB-1, VB-2 and VB-3 on February 24, 2006 at concentrations of 1,620, 31,800 and 1,380 ug/m^3 , respectively. These concentrations of toluene are above the MDH Chronic HRV of 400. Xylene's were detected in VB-2 and VB-3 on February 24, 2006 at concentrations of 468,000 and 8,170 ug/m^3 , respectively. These concentrations of xylene's are above the MDH Acute HRV of 43,000 and the EPA Reference Concentration of 700. 1,2,4-Trimethylbenzene was detected in VB-3 and VB-5 on February 24 and 27, 2006 and Indoor Air on August 22, 2006 at concentrations of 1,200, 181 and 22.4 ug/m^3 , respectively. These concentrations of 1,2,4-Trimethylbenzene are above the EPA Reference Concentration of 6. 1,3,5-Trimethylbenzene was detected in VB-2 and VB-5 on February 24 and 27, 2006 and Indoor Air on August 22, 2006 at concentrations of 10,500, 62.1 and 6.1 ug/m^3 , respectively. These concentrations of 1,3,5-Trimethylbenzene are above the EPA Reference Concentration of 6. Methylene Chloride was detected in the Indoor Air on August 22, 2006 at a concentration of 25.6 ug/m^3 . This concentration of Methylene Chloride is above the MDH Chronic HRV of 20. The air samples were accompanied by a chain-of-custody and submitted to Pace Analytical Services, Inc. in Minneapolis, Minnesota for laboratory analysis of VOC's included in the Minnesota Soil Gas List. Laboratory analytical results for the soil vapor intrusion boring is included in Table 7. Methodologies utilized to collect the vapor samples are presented in Appendix B.

A passive radon-type ventilation system was installed in the 110 South Western Avenue residence on November 8 and 9, 2006 and the cistern in the 110 South Western Avenue basement was sealed on November 8, 2006 to mitigate vapor impacts to the residence.

actually
has
blower
attached in
a b/c

NOTE: If vapor concentrations exceed 10 percent of the lower explosive limit, exit the building and contact the local fire department immediately. Then contact the Minnesota Duty Officer (24 hours) at 651/649-5451 (metro and outside Minnesota) or 1-800/422-0798

(Greater Minnesota). TTY users call 651/297-5353 (V/TTY) or 1-800/627-3529 (V/TTY).
Vapor mitigation is required.

Section 3. RECOMMENDATIONS

Discuss your recommendations. Your recommendation should be based on Guidance Document 1-01 *Petroleum Remediation Program General Policy*.

If additional corrective action is recommended, please provide your justification.

Coteau recommends 24 hour vapor monitoring on a quarterly basis in the basement of 110 South Western Avenue utilizing a Summa canister sampling for laboratory analysis of VOC's using TO-15 analysis methodology, to monitor the effectiveness of the radon system installed on November 8 and 9, 2006. Additionally, Coteau recommends a 24 hour vapor monitoring sample and a sub-slab sample in the basement of 111 South Western Avenue and a 24 hour vapor monitoring sample in the 230 1st Street building utilizing a Summa canister sampling for laboratory analysis of VOC's. This recommendation is based on the results of the vapor intrusion borings completed on February 24 and 27, 2006 Table 7.

If significant reduction of risk has been achieved at the site, recommendations and rationale for the reduction or termination of corrective actions may be presented.

If additional monitoring is recommended, indicate the proposed monitoring schedule and frequency.

Coteau recommends installation of one (1) additional monitor well approximately 50 feet south of MW-6. Based on a southeast ground water flow direction, the down gradient flow is south of MW-6, approximately 50 feet.

Coteau recommends continued quarterly ground water monitoring of monitor wells MW-3, MW-4, MW-5 and MW-6 for BTEX and TPH as GRO. A field blank or field duplicate will be collected for BTEX and TPH as GRO and one (1) trip blank will be accompany the samples and analyzed for BTEX and TPH as GRO.

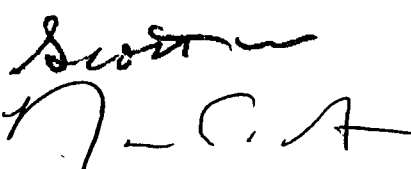
If closure is recommended, summarize significant site investigative events and describe how site specific risk issues have been adequately addressed or minimized to acceptable low risk levels.

Section 4: CONSULTANT (OR OTHER) INFORMATION

By signing this document, I/we acknowledge that we are submitting this document on behalf of and as agents of the responsible person or volunteer for this leaksite. I/we acknowledge that if information in this document is inaccurate or incomplete, it will delay the completion of remediation and may harm the environment and may result in reduction of reimbursement awards. In addition, I/we acknowledge on behalf of the responsible person or volunteer for this leaksite that if this document is determined to contain a false material statement, representation,

or certification, or if it omits material information, the responsible person or volunteer may be found to be in violation of Minn. Stat. § 115.075 (1994) or Minn. Rules 7000.0300 (Duty of Candor), and that the responsible person or volunteer may be liable for civil penalties.

MPCA staff are instructed to reject unsigned monitoring reports or if the report form has been altered.

Name and Title:	Signature:	Date signed:
Scott Hunke Environmental Technician Nathan T. Hunke, P.G., M.S. Senior Hydrogeologist		2/21/2007 2/21/2007

Company and mailing address: Coteau Environmental
728 Janes Circle Dr. SW
Alexandria, MN 58203

Phone: (320) 846-4668
Fax: (320) 846-4668

Upon request, this document can be made available in other formats, including Braille, large print and audio tape. TTY users call 651/282-5332 or Greater Minnesota 1-800/657-3864 (voice/TTY).

Printed on recycled paper containing at least 10 percent fibers from paper recycled by consumers.

Attach Tables (NOTE: Tables must be complete and contain cumulative data collected to date):

- Table 1 - Monitoring Well Completion Information
- Table 2 - Summary of Water Levels Measurements
- Table 3 - Analytical Results of Water Samples
- Table 4 - Other Contaminants Detected in Water Samples (Petroleum or Non-petroleum Derived)
- Table 5 - Results of Natural Attenuation
- Table 6 - Results of Vapor Monitoring
- Table 7 - Results of Soil and Indoor Air Vapor Intrusion Laboratory Analytical Results

**Table 1
Monitoring Well Completion Information**

Well Number	Unique Well Number	Date Installed	Surface Elevation	Top of Riser Elevation	Bottom of Well (Elevation)	Screen Interval (Elev. - Elev.)
MW-1	672919	8/7/02	99.88	100.00	80.88	95.88-80.88
MW-2	672922	8/7/02	99.67	102.46	80.67	95.67-80.67
MW-3	672921	8/7/02	99.69	102.58	80.69	95.69-80.69
MW-4	672920	8/7/02	99.99	102.73	80.99	95.99-80.99

MW-5	672918	8/7/02	99.57	99.64	80.57	95.57-80.57
MW-6	672950	2/4/03	99.74	99.76	80.74	95.74-80.74

Notes: (location and elevation of benchmark)

Table 2
Water Level Measurements

Well Number	Date	Depth of Water from Top of Riser	Product Thickness	Depth of Water Below Grade	Relative Groundwater Elevation	Water Level Above Screen (Y/N)
MW-1	8/14/03	10.21	0.0	10.09	89.79	No
MW-1	11/4/03	11.48	0.0	11.36	88.52	No
MW-1	2/9/04	12.13	0.0	12.01	87.87	No
MW-1	5/11/04	11.69	0.0	11.57	88.31	No
MW-1	8/2/04	10.45	0.0	10.33	89.55	No
MW-1	11/3/04	10.52	0.0	10.40	89.48	No
MW-1	2/1/05	11.06	0.0	10.94	88.94	No
MW-1	5/5/05	10.16	0.0	10.04	89.84	No
MW-1	8/6/05	10.12	0.0	10.00	89.88	No
MW-1	11/9/05	9.87	0.0	9.75	90.13	No
MW-1	2/1/06	10.29	0.0	10.17	89.71	No
MW-1	5/4/06	9.42	0.0	9.30	90.58	No
MW-1	8/21/06	11.03	0.0	10.91	88.97	No
MW-1	11/7/06	11.68	0.0	11.56	88.32	No
MW-2	8/14/03	12.90	0.0	10.11	89.56	No
MW-2	11/4/03	14.15	0.0	11.36	88.31	No
MW-2	2/9/04	14.75	0.0	11.96	87.71	No
MW-2	5/11/04	14.33	0.0	11.54	88.13	No
MW-2	8/2/04	13.16	0.0	10.37	89.30	No
MW-2	11/3/04	13.20	0.0	10.41	89.26	No
MW-2	2/1/05	13.72	0.0	10.93	88.74	No
MW-2	5/5/05	12.84	0.0	10.05	89.62	No
MW-2	8/6/05	12.81	0.0	10.02	89.65	No
MW-2	11/9/05	12.56	0.0	9.77	89.90	No
MW-2	2/1/06	12.96	0.0	10.17	89.50	No
MW-2	5/4/06	12.12	0.0	9.33	90.34	No
MW-2	8/21/06	13.71	0.0	10.92	88.75	No
MW-2	11/7/06	14.34	0.0	11.55	88.12	No
MW-3	8/14/03	13.08	0.0	10.19	89.50	No
MW-3	11/4/03	14.39	0.0	11.50	88.19	No
MW-3	2/9/04	15.05	0.0	12.16	87.53	No
MW-3	5/11/04	14.65	0.0	11.76	87.93	No
MW-3	8/2/04	13.42	0.0	10.53	89.16	No
MW-3	11/3/04	13.49	0.0	10.60	89.09	No
MW-3	2/1/05	13.98	0.0	11.09	88.60	No
MW-3	5/5/05	13.13	0.0	10.24	89.45	No
MW-3	8/6/05	13.06	0.0	10.17	89.52	No
MW-3	11/9/05	12.80	0.0	9.91	89.78	No
MW-3	2/1/06	13.20	0.0	10.31	89.38	No
MW-3	5/4/06	12.38	0.0	9.49	90.20	No
MW-3	8/21/06	13.93	0.0	11.04	88.65	No
MW-3	11/7/06	14.58	0.0	11.69	88.00	No

Table 2
Water Level Measurements

Well Number	Date	Depth of Water from Top of Riser	Product Thickness	Depth of Water Below Grade	Relative Groundwater Elevation	Water Level Above Screen (Y/N)
MW-4	8/14/03	13.21	0.0	10.47	89.52	No
MW-4	11/4/03	14.47	0.0	11.73	88.26	No
MW-4	2/9/04	15.14	0.0	12.40	87.59	No
MW-4	5/11/04	14.73	0.0	11.99	88.00	No
MW-4	8/2/04	13.55	0.0	10.81	89.18	No
MW-4	11/3/04	13.58	0.0	10.84	89.15	No
MW-4	2/1/05	14.11	0.0	11.37	88.62	No
MW-4	5/5/05	13.26	0.0	10.52	89.47	No
MW-4	8/6/05	13.12	0.0	10.38	89.61	No
MW-4	11/9/05	12.91	0.0	10.17	89.82	No
MW-4	2/1/06	13.30	0.0	10.56	89.43	No
MW-4	5/4/06	12.47	0.0	9.73	90.26	No
MW-4	8/21/06	14.07	0.0	11.33	88.66	No
MW-4	11/7/06	14.72	0.0	11.98	88.01	No
MW-5	8/14/03	10.06	0.0	9.99	89.58	No
MW-5	11/4/03	11.35	0.0	11.28	88.29	No
MW-5	2/9/04	12.00	0.0	11.93	87.64	No
MW-5	5/11/04	11.58	0.0	11.51	88.06	No
MW-5	8/2/04	10.32	0.0	10.25	89.32	No
MW-5	11/3/04	10.38	0.0	10.31	89.26	No
MW-5	2/1/05	10.94	0.0	10.87	88.70	No
MW-5	5/5/05	10.05	0.0	9.98	89.59	No
MW-5	8/6/05	9.98	0.0	9.91	89.66	No
MW-5	11/9/05	9.73	0.0	9.66	89.91	No
MW-5	2/1/06	10.12	0.0	10.05	89.52	No
MW-5	5/4/06	9.31	0.0	9.24	90.33	No
MW-5	8/21/06	10.88	0.0	10.81	88.76	No
MW-5	11/7/06	11.54	0.0	11.47	88.10	No
MW-6	8/14/03	10.58	0.0	10.56	89.18	No
MW-6	11/4/03	11.85	0.0	11.83	87.91	No
MW-6	2/9/04	12.51	0.0	12.49	87.25	No
MW-6	5/11/04	12.14	0.0	12.12	87.62	No
MW-6	8/2/04	10.91	0.0	10.89	88.85	No
MW-6	11/3/04	10.97	0.0	10.95	88.79	No
MW-6	2/1/05	11.46	0.0	11.44	88.30	No
MW-6	5/5/05	10.66	0.0	10.64	89.10	No
MW-6	8/6/05	10.53	0.0	10.51	89.23	No
MW-6	11/9/05	10.28	0.0	10.26	89.48	No
MW-6	2/1/06	10.70	0.0	10.68	89.06	No
MW-6	5/4/06	9.88	0.0	9.86	89.88	No
MW-6	8/21/06	11.38	0.0	11.36	88.38	No
MW-6	11/7/06	12.05	0.0	12.03	87.71	No

Describe the methods and procedures used to measure water levels and product thickness.

Notes: See Methodology's

Table 3
Analytical Results of Water Samples

Well #	Date	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	GRO	DRO	Lab Type
MW-1	8/14/03	<1.0	<1.0	<1.0	<1.0	NA	<100.0	NA	F
MW-1	11/4/03	<1.0	<1.0	<1.0	<1.0	NA	<100.0	NA	F
MW-1	2/9/04	<0.50	<0.50	<0.50	<1.0	<5.0	<100.0	NA	F
MW-1	5/11/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NA	F
MW-1	8/2/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NA	F
MW-1	11/3/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NA	F
MW-1	2/1/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NA	F
MW-1	5/5/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NA	F
MW-1	8/6/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NA	F
MW-1	11/9/05	NS	NS	NS	NS	NS	NS	NA	F
MW-1	2/1/06	NS	NS	NS	NS	NS	NS	NA	F
MW-1	5/4/06	NS	NS	NS	NS	NS	NS	NA	F
MW-1	8/21/06	NS	NS	NS	NS	NS	NS	NA	F
MW-1	11/7/06	NS	NS	NS	NS	NS	NS	NA	F
MW-2	8/14/03	<1.0	<1.0	<1.0	<1.0	NA	<100.0	NA	F
MW-2	11/4/03	<1.0	<1.0	<1.0	<1.0	NA	<100.0	NA	F
MW-2	2/9/04	<0.50	<0.50	<0.50	<1.0	<5.0	<100.0	NA	F
MW-2	5/11/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NA	F
MW-2	8/2/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NA	F
MW-2	11/3/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NA	F
MW-2	2/1/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NA	F
MW-2	5/5/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NA	F
MW-2	8/6/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NA	F
MW-2	11/9/05	NS	NS	NS	NS	NS	NS	NA	F
MW-2	2/1/06	NS	NS	NS	NS	NS	NS	NA	F
MW-2	5/4/06	NS	NS	NS	NS	NS	NS	NA	F
MW-2	8/21/06	NS	NS	NS	NS	NS	NS	NA	F
MW-2	11/7/06	NS	NS	NS	NS	NS	NS	NA	F
MW-3	8/14/03	29.0	22.0	211.0	444.0	NA	2,171.0	NA	F
MW-3	11/4/03	38.0	13.0	110.0	175.0	NA	837.0	NA	F
MW-3	2/9/04	4.0	180	350	820	<5.0	2,500	NA	F
MW-3	5/11/04	<25.0	<25.0	190	170	<25.0	970	NA	F
MW-3	8/2/04	<0.50	<5.0	51	<10.0	<5.0	260	NA	F
MW-3	11/3/04	<10.0	12	210	124	<10.0	740	NA	F
MW-3	2/1/05	<1.0	2.1	150	6.0	<1.0	760	NA	F
MW-3	5/5/05	<1.0	29	130	98	<1.0	650	NA	F
MW-3	8/6/05	<1.0	<1.0	13	<3.0	<1.0	<100	NA	F
MW-3	11/9/05	<1.0	1.4	22.1	<3.0	NS	<100	NA	F
MW-3	2/1/06	<1.0	58.2	79.0	152	NS	419	NA	F
MW-3	5/4/06	3.9	124	154	401	NS	1,800	NA	F

Table 3
Analytical Results of Water Samples

Well #	Date	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	GRO	DRO	Lab Type
MW-3	8/21/06	5.8	15.6	54.8	5.1	NS	197	NA	F
MW-3	11/7/06	2.2	3.5	60.3	84	NS	396	NA	F
MW-4	8/14/03	<1.0	<1.0	<1.0	<1.0	NA	147.0	NA	F
MW-4	11/4/03	8.0	<1.0	3.0	<1.0	NA	418.0	NA	F
MW-4	2/9/04	2.2	0.58	3.1	2.4	<5.0	380	NA	F
MW-4	5/11/04	5.4	<0.50	8.7	5.1	0.50	690	NA	F
MW-4	8/2/04	<0.50	<0.50	5.9	10.3	<0.50	710	NA	F
MW-4	11/3/04	2.9	<0.50	18	6.0	<5.0	640	NA	F
MW-4	2/1/05	<1.0	<1.0	22	44	<1.0	880	NA	F
MW-4	5/5/05	<1.0	<1.0	16	24.8	<1.0	380	NA	F
MW-4	8/6/05	<1.0	<1.0	8.3	4.6	<1.0	320	NA	F
MW-4	11/9/05	<1.0	<1.0	<1.0	<3.0	NS	107	NA	F
MW-4	2/1/06	<1.0	3.5	2.3	<3.0	NS	163	NA	F
MW-4	5/4/06	<1.0	3.4	1.8	<3.0	NS	156	NA	F
MW-4	8/21/06	<1.0	3.0	<1.0	<3.0	NS	104	NA	F
MW-4	11/7/06	<1.0	2.5	1.8	<3.0	NS	324	NA	F
MW-5	8/14/03	900.0	719.0	22.0	3,075.0	NA	21,505.0	NA	F
MW-5	11/4/03	2,313.0	16,671.0	1,740.0	8,035.0	NA	38,200.0	NA	F
MW-5	2/9/04	1,600	7,800	1,400	5,600	<250	33,000	NA	F
MW-5	5/11/04	1,100	9,300	1,100	4,500	<250	27,000	NA	F
MW-5	8/2/04	1,300	8,800	870	3,800	<250	26,000	NA	F
MW-5	11/3/04	960	6,900	910	3,590	<250	19,000	NA	F
MW-5	2/1/05	1,100	11,000	1,200	5,200	<1.0	25,000	NA	F
MW-5	5/5/05	2,400	20,000	2,200	9,600	<20	49,000	NA	F
MW-5	8/6/05	3,900	31,000	3,000	13,100	<1.0	42,000	NA	F
MW-5	11/9/05	2,170	14,300	1,550	7,450	NS	42,200	NA	F
MW-5	2/1/06	1,280	16,200	570	2,810	NS	15,700	NA	F
MW-5	5/4/06	1,810	16,600	1,520	7,680	NS	34,800	NA	F
MW-5	8/21/06	2,440	20,900	2,040	9,370	NS	45,100	NA	F
MW-5	11/7/06	1,090	12,500	1,450	6,450	NS	32,200	NA	F
MW-6	8/14/03	<1.0	<1.0	<1.0	<1.0	NA	<100.0	NA	F
MW-6	11/4/03	<1.0	<1.0	<1.0	<1.0	NA	<100.0	NA	F
MW-6	2/9/04	<0.50	<0.50	<0.50	<1.0	<5.0	<100.0	NA	F
MW-6	5/11/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NA	F
MW-6	8/2/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NA	F
MW-6	11/3/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NA	F
MW-6	2/1/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NA	F
MW-6	5/5/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NA	F
MW-6	8/6/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NA	F
MW-6	11/9/05	<1.0	<1.0	<1.0	<3.0	NS	109	NA	F
MW-6	2/1/06	<1.0	<1.0	<1.0	<3.0	NS	<100	NA	F

Table 3
Analytical Results of Water Samples

Well #	Date	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	GRO	DRO	Lab Type
MW-6	5/4/06	<1.0	<1.0	<1.0	<3.0	NS	<100	NA	F
MW-6	8/21/06	<1.0	<1.0	<1.0	<3.0	NS	<100	NA	F
MW-6	11/7/06	<1.0	<1.0	<1.0	<3.0	NS	<100	NA	F
Trip Blank	8/14/03	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	F
Trip Blank	11/4/03	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	F
Trip Blank	2/9/04	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	F
Trip Blank	5/11/04	<1.0	<1.0	<1.0	<3.0	NA	NA	NA	F
Trip Blank	8/2/04	<1.0	<1.0	<1.0	<3.0	NA	NA	NA	F
Trip Blank	11/3/04	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	F
Trip Blank	2/1/05	<1.0	<1.0	<1.0	<3.0	NA	NA	NA	F
Trip Blank	5/5/05	<1.0	<1.0	<1.0	<3.0	NA	NA	NA	F
Trip Blank	8/6/05	<1.0	<1.0	<1.0	<3.0	NA	NA	NA	F
Trip Blank	11/9/05	<1.0	<1.0	<1.0	<3.0	NA	NA	NA	F
Trip Blank	2/1/06	<1.0	<1.0	<1.0	<3.0	NA	NA	NA	F
Trip Blank	5/4/06	<1.0	<1.0	<1.0	<3.0	NA	NA	NA	F
Trip Blank	8/21/06	<1.0	<1.0	<1.0	<3.0	NA	NA	NA	F
Trip Blank	11/7/06	<1.0	<1.0	<1.0	<3.0	NA	<100	NA	F
Field Duplicate	8/14/03	1,507.0	4,309.0	147.0	5,072.0	NA	22,900.0	NA	F
Field Duplicate	11/4/03	<1.0	<1.0	<1.0	<1.0	NA	<100.0	NA	F
Field Duplicate	2/9/04	<0.50	<0.50	<0.50	<1.0	NA	<100.0	NA	F
Field Duplicate	5/11/04	<1.0	<1.0	<1.0	<3.0	NA	<100.0	NA	F
Field Duplicate	8/2/04	1,200	9,300	840	3,700	NA	29,000	NA	F
Field Duplicate	11/3/04	1,000	7,800	980	4,100	<10.0	21,000	NA	F
Field Duplicate	2/1/05	890	9,400	1,100	4,200	NA	23,000	NA	F
Field Duplicate	5/5/05	<1.0	<1.0	<1.0	<3.0	NA	<100	NA	F
Field Duplicate	8/6/05	<1.0	<1.0	<1.0	<3.0	NA	<100	NA	F
Field	11/9/05	<1.0	1.1	<1.0	<3.0	NA	<100	NA	F

Table 3
Analytical Results of Water Samples

Well #	Date	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	GRO	DRO	Lab Type
Blank									
Field Blank	2/1/06	<1.0	<1.0	<1.0	<3.0	NA	<100	NA	F
Field Blank	5/4/06	<1.0	<1.0	<1.0	<3.0	NA	<100	NA	F
Field Blank	8/21/06	<1.0	<1.0	<1.0	<3.0	NA	<100	NA	F
Field Duplicate	11/7/06	947	1,300	1,340	5,950	NA	29,400	NA	F
HRL(ug/L)		10	1,000	700	10,000				

Report results in ug/L. Use less than symbols to show detection limit. Indicate mobile or fixed based in the lab type column.

Notes:

NA = Not Analyzed

NS = No Sampled

Table 4
Other Contaminants Detected in Water Samples
(Petroleum or Non-petroleum Derived)

Well Number	Date Sampled	1,2 DCA	EDB	Styrene	Chloroform	Isopropyl benzene	n-Propyl benzene	1,3,5-Trimethyl benzene	1,2,4-Trimethyl benzene	Sec-Butyl benzene	n-Butyl benzene	Naphthalene	Tert-Butyl benzene	p-isopropyl toluene	Methylene chloride
MW-1	2/9/04	<0.50	<0.50	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-1	5/11/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-1	8/2/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-1	11/3/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-1	2/1/05	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<10
MW-1	5/5/05	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<10
MW-1	8/6/05	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<10
MW-2	2/9/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-2	5/11/04	<0.50	<0.50	<0.50	3.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-2	8/2/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.62	<0.50	<5.0
MW-2	11/3/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-2	2/1/05	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<10
MW-2	5/5/05	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<10
MW-2	8/6/05	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<10
MW-3	2/9/04	<0.50	<0.50	1.2	<0.50	9.0	14	22	110	<0.50	1.3	19	<0.50	<0.50	<5.0
MW-3	5/11/04	<25	<25	<25	<25	<25	<25	36	140	<25	<25	44	<25	<25	<250
MW-3	8/2/04	<5.0	<5.0	<0.5	<5.0	<5.0	6.1	<5.0	19	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-3	11/3/04	<10	<10	<10	<10	<10	19	<10	99	<10	<10	20	<10	<10	<100
MW-3	2/1/05	<1.0	<2.5	<1.0	<1.0	8.8	23	1.9	52	1.6	3.1	55	<1.0	<1.0	<10
MW-3	5/5/05	<1.0	<2.5	<1.0	<1.0	8.1	20	12	150	<1.0	<1.0	33	<1.0	<1.0	<10
MW-3	8/6/05	<1.0	<2.5	<1.0	<1.0	1.9	2.8	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<10
MW-4	2/9/04	<0.50	<0.50	<0.50	<0.50	2.3	7.2	3	4	2.1	4	5.7	<0.50	<0.50	<5.0
MW-4	5/11/04	<0.50	<0.50	<0.50	<0.50	2.1	6.5	3.5	12.0	5.0	6.8	8.5	<0.50	<0.50	<5.0
MW-4	8/2/04	<0.50	<0.50	<0.50	<0.50	5.5	16	0.96	41	4.9	7.7	15	0.73	0.86	<5.0
MW-4	11/3/04	<0.50	<0.50	<0.50	<0.50	6.3	18	8.7	25	4.9	8.1	13	<0.50	0.50	<5.0
MW-4	2/1/05	<1.0	<2.5	<1.0	<1.0	5.6	17	2.6	42	1.9	<1.0	11	<1.0	<1.0	<10
MW-4	5/5/05	<1.0	<2.5	<1.0	<1.0	3.7	7.8	5.5	26	<1.0	<1.0	5.5	<1.0	<1.0	<10

Table 4
Other Contaminants Detected in Water Samples
(Petroleum or Non-petroleum Derived)

Well Number	Date Sampled	1,2 DCA	EDB	Styrene	Chloroform	Isopropyl benzene	n-Propyl benzene	1,3,5-Trimethyl benzene	1,2,4-Trimethyl benzene	Sec-Butyl benzene	n-Butyl benzene	Naphthalene	Tert-Butyl benzene	p-isopropyl toluene	Methylene chloride
MW-4	8/6/05	<1.0	<2.5	<1.0	<1.0	4.8	13	5.6	27	1.3	<1.0	5.6	<1.0	<1.0	<10
MW-5	2/9/04	<25	<25	<25	<25	47	140	200	770	<25	29	260	<25	<25	<250
MW-5	5/11/04	<250	<250	<250	<250	<250	<250	<250	620	<250	<250	<250	<250	<250	<2500
MW-5	8/2/04	<250	<250	<250	<250	<250	<250	<250	450	<250	<250	<250	<250	<250	<2500
MW-5	11/3/04	<250	<250	<250	<250	<250	<250	<250	570	<250	<250	690	<250	<250	5000
MW-5	2/1/05	<1.0	<2.5	<1.0	<1.0	33	93	150	780	3.6	<1.0	200	<1.0	<1.0	<10
MW-5	5/5/05	<20	<50	<20	<20	65	180	320	1,300	<20	<20	260	<20	<20	<200
MW-5	8/6/05	<1.0	<2.5	<1.0	<1.0	90	220	400	1,600	8.0	<1.0	420	<1.0	4.5	<10
MW-6	2/9/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-6	5/11/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-6	8/2/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-6	11/2/04	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0
MW-6	2/1/05	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<10
MW-6	5/5/05	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<10
MW-6	8/6/05	<1.0	<2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<10
HRL (ug/L)		4	0.004		60							300			

Report results in ug/L. Indicate other contaminants (either petroleum or non-petroleum derived) detected in water samples collected from the borings, temporary wells or push probes.

Table 5
Natural Attenuation Parameters

Monitoring Well	Sample Date	Temp. °C	PH	Dissolved Oxygen (mg/L)	Nitrate (mg/L)	(Fe II) (mg/L)	(H ₂ S, HS ⁻) (mg/L)
MW-1							
MW-2							
MW-3							
MW-4							

Describe the methods and procedures used.

Notes:

Table 6
Results of Vapor Monitoring

Location #	Date	PID reading (ppm)	Percent of the LEL
MH-8 T	2/9/04	0.0	0
MH-8 M	2/9/04	0.0	0
MH-8 B	2/9/04	0.0	0
MH-9	2/9/04	NS	NS
SSB-1	2/9/04	NS	NS
SSB-2	2/9/04	NS	NS
100 South Western Ave	2/9/04	NS	NS
110 South Western Ave	2/9/04	550.7	0
111 South Western Ave	2/9/04	NS	NS
120 South Western Ave	2/9/04	NS	NS
MH-8 T	5/11/04	0.0	0
MH-8 M	5/11/04	0.0	0
MH-8 B	5/11/04	0.0	0
MH-9 T	5/11/04	0.0	0
MH-9 M	5/11/04	0.0	0
MH-9 B	5/11/04	0.0	0
SSB-1	5/11/04	0.0	0
SSB-2	5/11/04	0.0	0
100 South Western Ave	5/11/04	0.0	0
110 South Western Ave	5/11/04	33.8	0

Table 6
Results of Vapor Monitoring

Location #	Date	PID reading (ppm)	Percent of the LEL
111 South Western Ave	5/11/04	0.0	0
120 South Western Ave	5/11/04	0.0	0
MH-8 T	8/2/04	0.0	0
MH-8 M	8/2/04	0.0	0
MH-8 B	8/2/04	0.0	0
MH-9 T	8/2/04	0.0	0
MH-9 M	8/2/04	0.0	0
MH-9 B	8/2/04	0.0	0
SSB-1	8/2/04	0.0	0
SSB-2	8/2/04	0.0	0
100 South Western Ave	8/2/04	NS	NS
110 South Western Ave	8/2/04	0.0	0
111 South Western Ave	8/2/04	0.0	0
120 South Western Ave	8/2/04	NS	NS
MH-8 T	11/3/04	0.0	0
MH-8 M	11/3/04	0.0	0
MH-8 B	11/3/04	0.0	0
MH-9 T	11/3/04	0.0	0
MH-9 M	11/3/04	0.0	0
MH-9 B	11/3/04	0.0	0
SSB-1	11/3/04	0.0	0
SSB-2	11/3/04	0.0	0
100 South Western Ave	11/3/04	NS	NS
110 South Western Ave	11/3/04	128.7	0
111 South Western Ave	11/3/04	0.0	0
120 South Western Ave	11/3/04	NS	NS
MH-8 T	2/1/05	0.0	0
MH-8 M	2/1/05	0.0	0
MH-8 B	2/1/05	0.0	0
MH-9 T	2/1/05	0.0	0
MH-9 M	2/1/05	0.0	0
MH-9 B	2/1/05	0.0	0
110 South Western Ave	2/1/05	128.5	0
110 South Western Ave	8/6/05	0.0	0
111 South Western Ave	8/6/05	0.0	0
110 South Western Ave	11/9/05	0.0	0
111 South Western Ave	11/9/05	0.0	0
110 South Western Ave	2/1/06	648.7	0

Notes:

MH = Man Hole

T = Top

SSB = Storm Sewer Basin

M = Middle

NS = No Sample

B = Bottom

MH-9, SSB-1 and SSB-2 on February 1, 2005 were not accessible due to snow and ice. The residents at 100, 111 and 120 South Western Avenue were not present when Coteau personnel were at the site on February 1, 2005. The residents at 110 South Western Avenue were not present when Coteau personnel were at the site on May 5, 2005.

Table 7
Soil and Indoor Air Vapor Intrusion Laboratory Analytical Results

Boring Number	Date Sampled	Acetone	Benzene	2-Butanone	Chloromethane	Dibromochloromethane	Ethylbenzene	4-Ethyltoluene	n-Heptane
SV-1	11/9/05	36	8.12	7.2	ND	ND	16.3	13.5	4.17
Indoor Air	12/17/05	38.6	ND	4.5	ND	ND	ND	ND	ND
Indoor Air	3/14/06	33.0	ND	ND	ND	ND	133	ND	ND
Indoor Air	8/22/06	153	3.7	11.4	1.1	ND	6.9	8.9	ND
Indoor Air	11/8/06	78.1	3.0	12.8	ND	ND	5.4	ND	2.9
VB-1	2/24/06	316	95.8	ND	ND	ND	32.2	ND	751
VB-2	2/24/06	ND	47,400	ND	ND	ND	161,000	ND	ND
VB-3	2/24/06	ND	ND	ND	ND	ND	2,070	ND	ND
VB-4	2/24/06	ND	ND	ND	ND	ND	ND	ND	ND
VB-5	2/27/06	73.3	9.6	29.8	ND	ND	76.1	57.0	18.8
MDH Acute HRV (ug/m ³)		None	1,000	None	None	None	10,000	None	None
MDH Chronic HRV (ug/m ³)		None	1.3-4.5	None	None	None	None	None	None
EPA Reference Conc. (ug/m ³)		350	None	None	90	None	1,000	None	None
MDH ISC (ug/m ³)		None	None	None	None	None	None	None	None

Table 7
Soil and Indoor Air Vapor Intrusion Laboratory Analytical Results

Boring Number	Date Sampled	n-Hexane	Methylene Chloride	4-Methyl-2-pentanone	Naphthalene	Styrene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene
SV-1	11/9/05	21.1	10.6	ND	ND	ND	233	4.7	20.5
Indoor Air	12/17/05	ND	ND	ND	ND	ND	15.7	ND	ND
Indoor Air	3/14/06	ND	ND	ND	ND	ND	16.8	21.6	ND
Indoor Air	8/22/06	5.4	25.6	2.4	16.4	2.8	28.2	ND	22.4
Indoor Air	11/8/06	2.3	ND	ND	ND	ND	46.8	ND	5.2
VB-1	2/24/06	1,560	ND	ND	ND	ND	1,620	ND	ND
VB-2	2/24/06	ND	ND	ND	ND	ND	31,800	ND	ND
VB-3	2/24/06	ND	ND	ND	ND	ND	1,380	ND	1,200
VB-4	2/24/06	ND	ND	ND	ND	ND	ND	ND	ND
VB-5	2/27/06	ND	ND	ND	8.9	ND	385	ND	181
MDH Acute HRV (ug/m ³)		None	10,000	None	None	21,000	37,000	None	None
MDH Chronic HRV (ug/m ³)		2,000	20	None	None	1,000	400	None	None

EPA Reference Conc (ug/m ³)		None	None	None	None	None	None	None	6
MDH ISC (ug/m ³)		None	None	None	None	None	None	None	None

Table 7
Soil and Indoor Air Vapor Intrusion Laboratory Analytical Results

Boring Number	Date Sampled	1,3,5-Trimethyl Benzene	1,2-DCA	Xylene's	Carbon disulfide	THC as Gas	Trichlorofluoromethane	Tetrahydrofuran	Chloroform
SV-1	11/9/05	4.3	ND	57.8	10.4	3,100	ND	ND	ND
Indoor Air	12/17/05	ND	ND	11	ND	477	ND	ND	ND
Indoor Air	3/14/06	ND	ND	509.1	ND	NS	ND	ND	ND
Indoor Air	8/22/06	6.1	ND	36.1	ND	NS	1.8	ND	ND
Indoor Air	11/8/06	ND	ND	24.9	ND	NS	ND	16.3	1.7
VB-1	2/24/06	ND	ND	135.7	ND	NS	ND	ND	ND
VB-2	2/24/06	10,500	ND	468,000	ND	NS	ND	ND	ND
VB-3	2/24/06	ND	ND	8,170	ND	NS	ND	ND	ND
VB-4	2/24/06	ND	ND	ND	ND	NS	ND	ND	ND
VB-5	2/27/06	62.1	ND	360	6.9	NS	ND	ND	ND
MDH Acute HRV (ug/m ³)		None	None	43,000	6,000	None	None	None	None
MDH Chronic HRV (ug/m ³)		None	None	None	700	None	None	None	None
EPA Reference Conc. (ug/m ³)		6	None	700	None	None	700	None	None
MDH ISC (ug/m ³)		None	0.38	None	None	None	None	None	None

Table 7
Soil and Indoor Air Vapor Intrusion Laboratory Analytical Results

Boring Number	Date Sampled	1,4-Dichlorobenzene	Dichlorodifluoromethane	Cyclohexane	Propylene	Ethyl Acetate			
SV-1	11/9/05	ND	ND	ND	ND	ND			
Indoor Air	12/17/05	ND	ND	ND	ND	ND			
Indoor Air	3/14/06	ND	ND	ND	ND	ND			
Indoor Air	8/22/06	ND	3.0	ND	ND	ND			
Indoor Air	11/8/06	9.9	2.5	ND	ND	5.3			
VB-1	2/24/06	ND	ND	753	146	ND			

**Table 7
Soil and Indoor Air Vapor Intrusion Laboratory Analytical Results**

Boring Number	Date Sampled	1,4 Dichloro benzene	Dichlorodifluoro methane	Cyclohexane	Propylene	Ethyl Acetate			
VB-2	2/24/06	ND	ND	ND	ND	ND			
VB-3	2/24/06	ND	ND	ND	ND	ND			
VB-4	2/24/06	ND	ND	ND	ND	ND			
VB-5	2/27/06	ND	3.3	ND	28.7	ND			
MDH Acute HRV (ug/m ³)		None	None	None	None	None			
MDH Chronic HRV (ug/m ³)		None	None	None	None	None			
EPA Reference Conc. (ug/m ³)		800	200	None	None	None			
MDH ISC (ug/m ³)		None	None	None	None	None			

Results are reported in milligrams per cubic meter soil vapor (ug/m³).
SV-1 sample was taken beneath the basement concrete floor of 110 South Western Avenue.
Ambient air sample was taken in the basement of 110 South Western Avenue.
Notes: ND = Nondetectable MDH = Minnesota Department of Health
HRV = Health Risk Value EPA = Environmental Protection Agency
ISC = MDH Interim Screening Concentration
Shaded values are above the MDH Acute HRV, the MDH Chronic HRV, the EPA Reference Concentration or the MDH ISC.

Attach Figures:

Figures - (all maps are to include a north arrow, scale and legend) *Approximate scales are not acceptable.*

- Site location map. Adapt this map from a U.S. Geological Survey 7.5 minute quadrangle and identify the name of the 7.5 minute quadrangle.
- Site map showing the locations of all ground water and vapor monitoring points.
- Updated ground water contour maps, using water level elevations from all rounds of water level measurements since the last report. Show all wells at the site, and differentiate wells constructed in different aquifers. Label ground water contours and elevations at each data point used for contouring.
- Hydrograph for all monitoring and recovery wells.
- Graph(s) showing contaminant concentrations over time for all monitoring and recovery wells.

Attach Appendices:

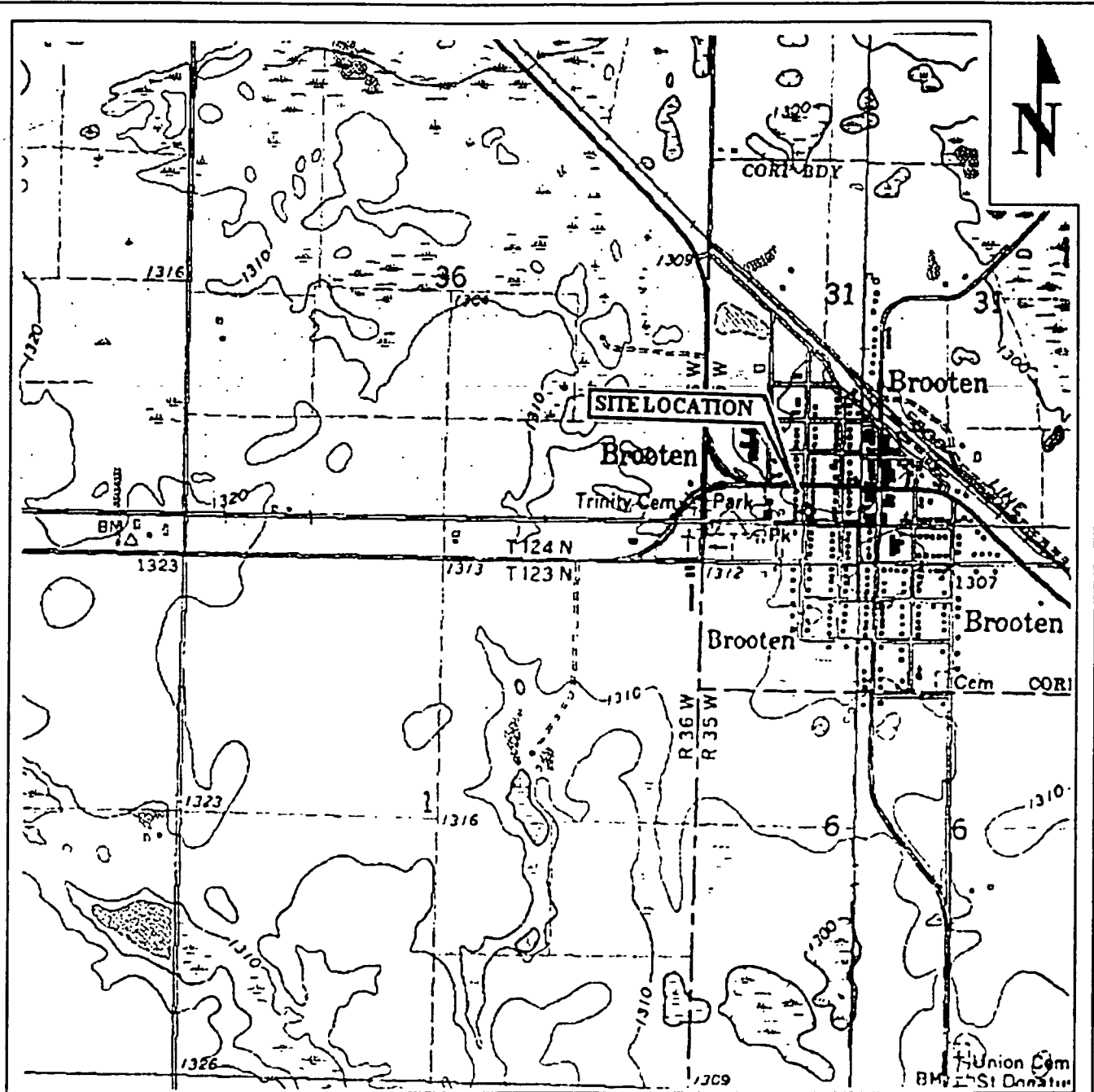
The appendix section of the report contains sufficient information to document all activities completed since the last report. All reproduced data must be legible.

- Appendix A* Copies of most recent laboratory reports for ground water analyses, including a copy of the Chain of Custody and the MDH laboratory certification number.
- Appendix B* Sample collection information, including procedure, equipment, and decontamination.
- Appendix C* Field or sampling data sheets.
- Appendix D* Results of the public water supply risk assessment (if not previously completed).
- Appendix E* Guidance Document 1-03a *Spatial Data Reporting Form* (if not previously submitted or new site features need to be reported).

Web pages and phone numbers

MPCA staff	http://www.pca.state.mn.us/pca/staff/index.cfm
MPCA toll free	1-800-657-3864
Petroleum Remediation Program web page	http://www.pca.state.mn.us/programs/lust_p.html
MPCA Infor. Request	http://www.pca.state.mn.us/about/inforequest.html
PetroFund Web Page	http://www.state.mn.us/cgi-bin/portal/mn/jsp/content.do?id=536881377&agency=Commerce
PetroFund Phone	651-297-1119, or 1-800-638-0418
State Duty Officer	651-649-5451 or 1-800-422-0798

Figures



SCALE

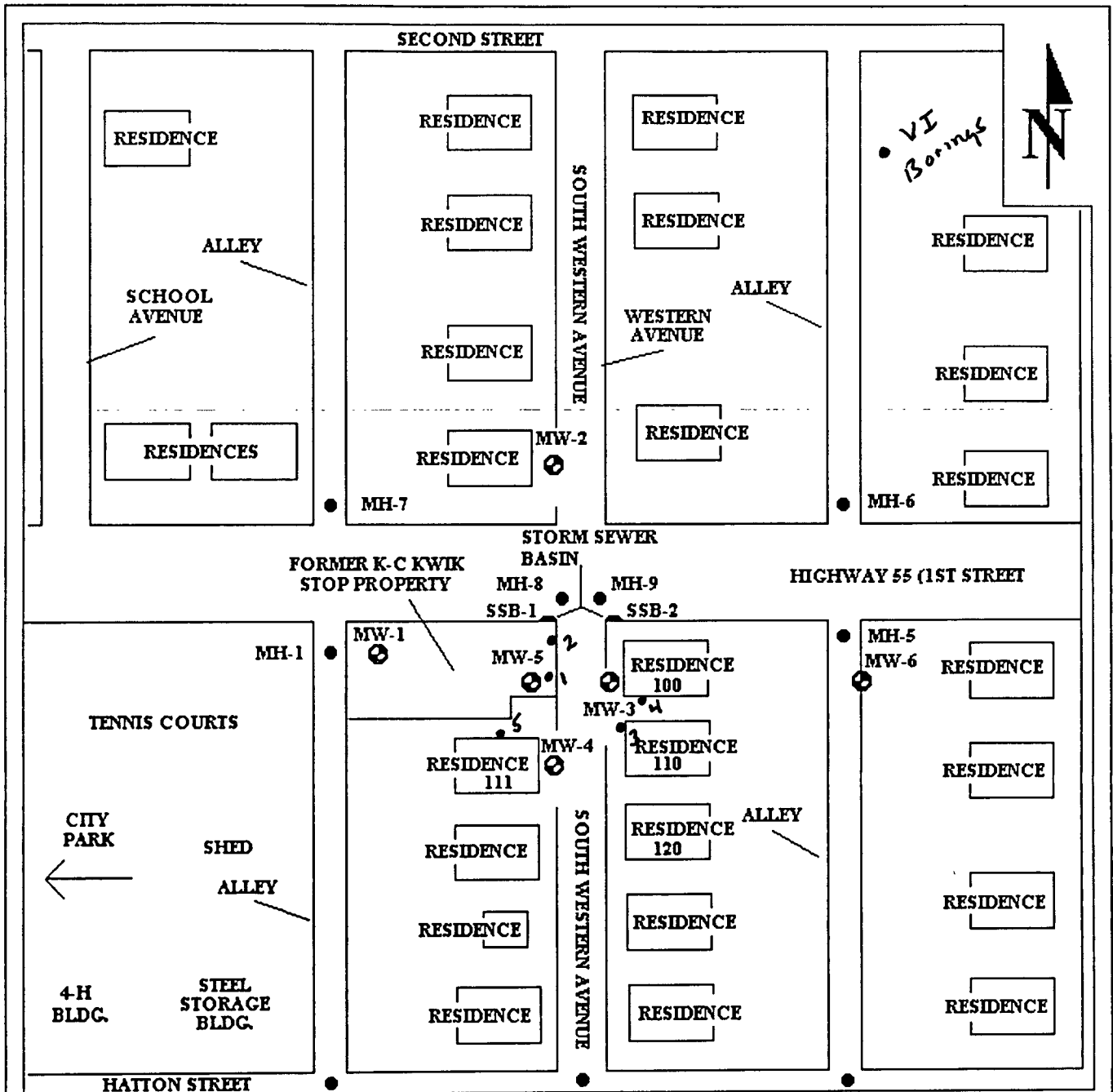


TOPOGRAPHIC MAP
 COPYRIGHT TOPOZONE.COM

**FORMER K-C KWIK STOP
 BROOTEN, MINNESOTA**

AREA LOCATION MAP

DATE	REVISED	COTEAU ENVIRONMENTAL 312 9TH AVE. SE, SUITE C WATERTOWN, SD 57201 (605) 886-4009
DRAWN BY:		DATE: AUG 03
		FIGURE: 1



KEY

- MW-1 MONITOR WELL LOCATION
- MH-2 MANHOLE LOCATION

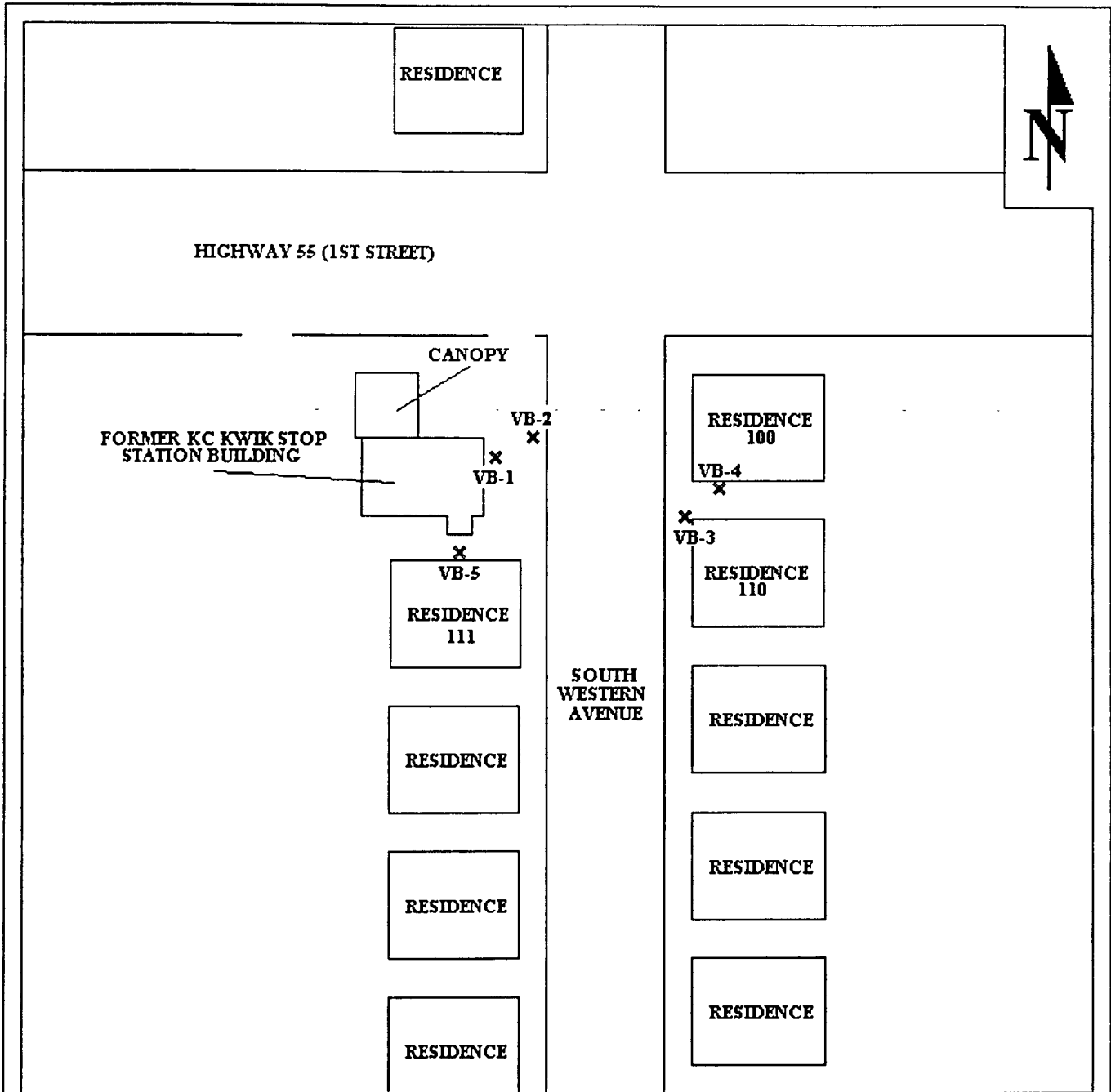
SCALE



**FORMER K-C KWIK STOP
BROOTEN, MINNESOTA**

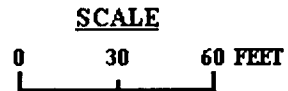
SITE MAP

DATE	REVISED	COTEAU ENVIRONMENTAL 728 JANES CIRCLE DR. SW ALEXANDRIA, MN 56308 (320) 846-4668	
DRAWN BY:		DATE: JAN 07	FIGURE: 2



KEY

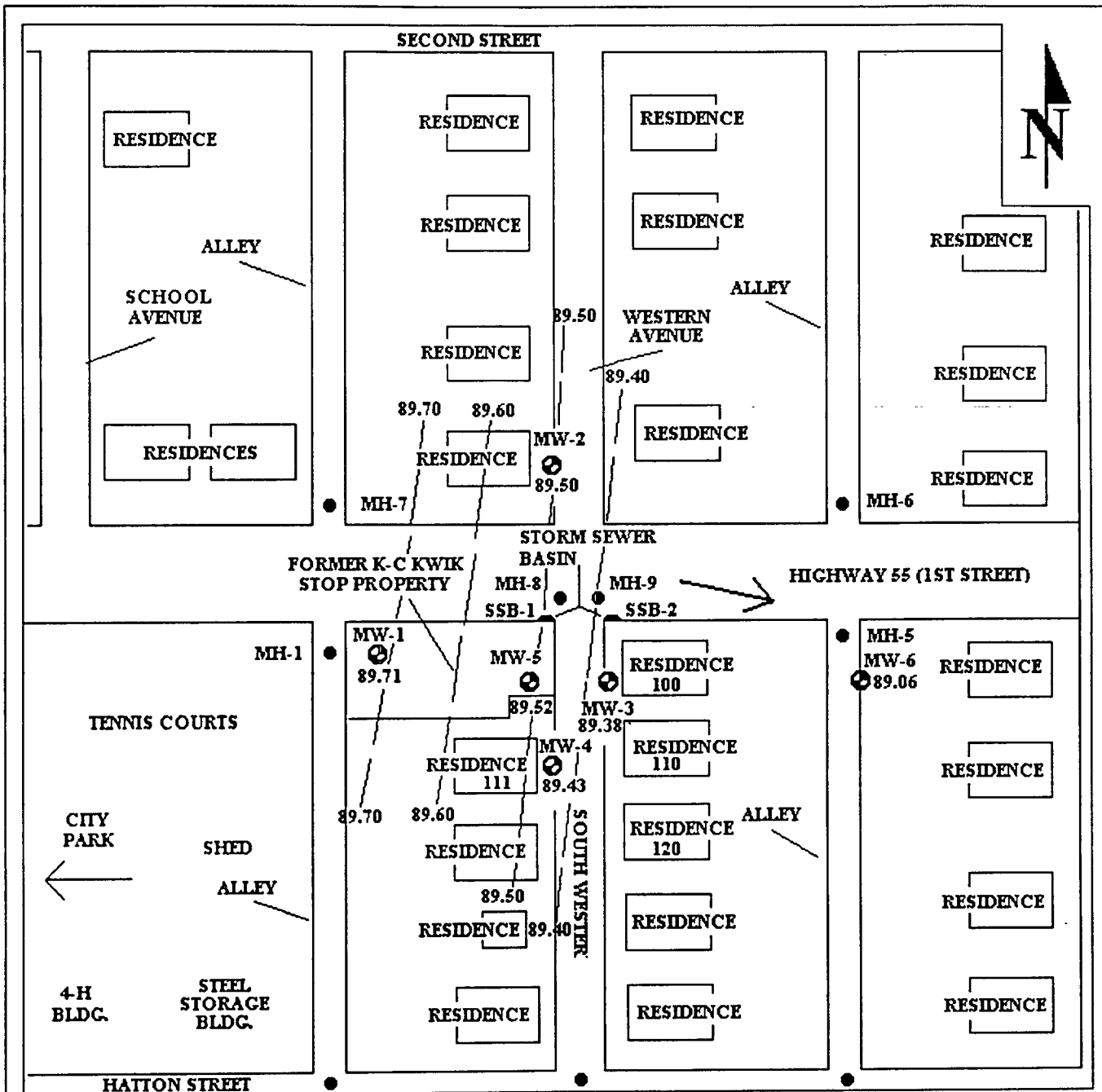
x VB-1 SOIL VAPOR BORING LOCATION



**FORMER KC KWIK STOP
BROOTEN, MINNESOTA**

VAPOR INTRUSION BORINGS

DATE	REVISED	COTEAU ENVIRONMENTAL 728 JANES CIRCLE DRIVE SW ALEXANDRIA, MN 56308 (320) 846-4668	
DRAWN BY:		DATE: JAN 07	
		FIGURE: 3A	



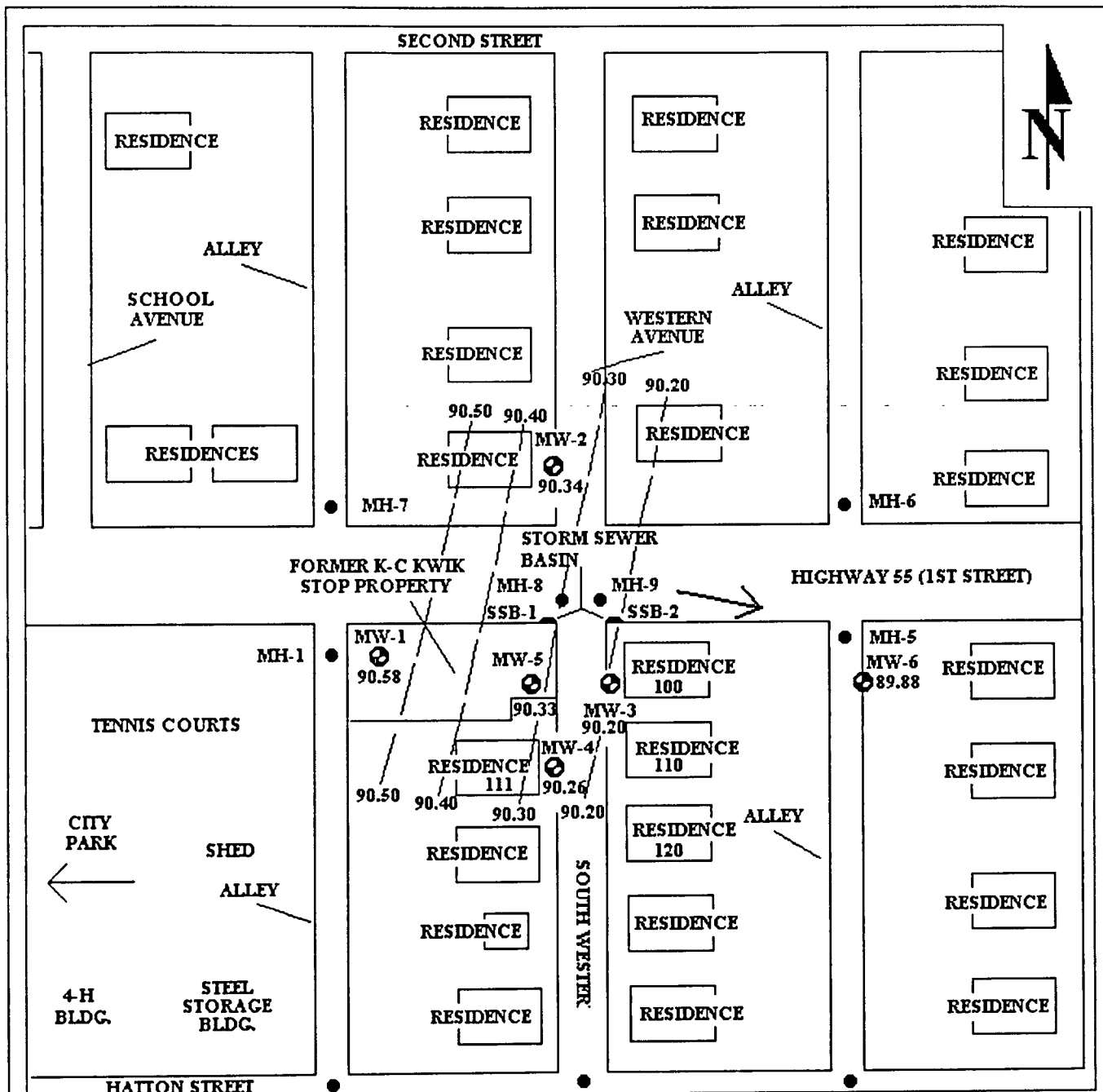
SCALE



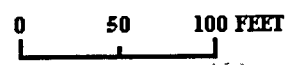
KEY

- MW-1 MONITOR WELL LOCATION
- MW-1 GROUND WATER ELEVATION (FEET)
- 89.71 GROUND WATER ELEVATION CONTOUR (APPROXIMATE)
- 89.50 GROUND WATER FLOW DIRECTION
- MH-2 MANHOLE LOCATION

FORMER K-C KWIK STOP BROOTEN, MINNESOTA		
GROUND WATER ELEVATIONS FEBRUARY 1, 2006		
DATE	REVISED	COTEAU ENVIRONMENTAL 728 JANES CIRCLE DR. SW ALEXANDRIA, MN 56308 (320) 846-4668
DRAWN BY:		DATE: JAN 07
		FIGURE: 4A



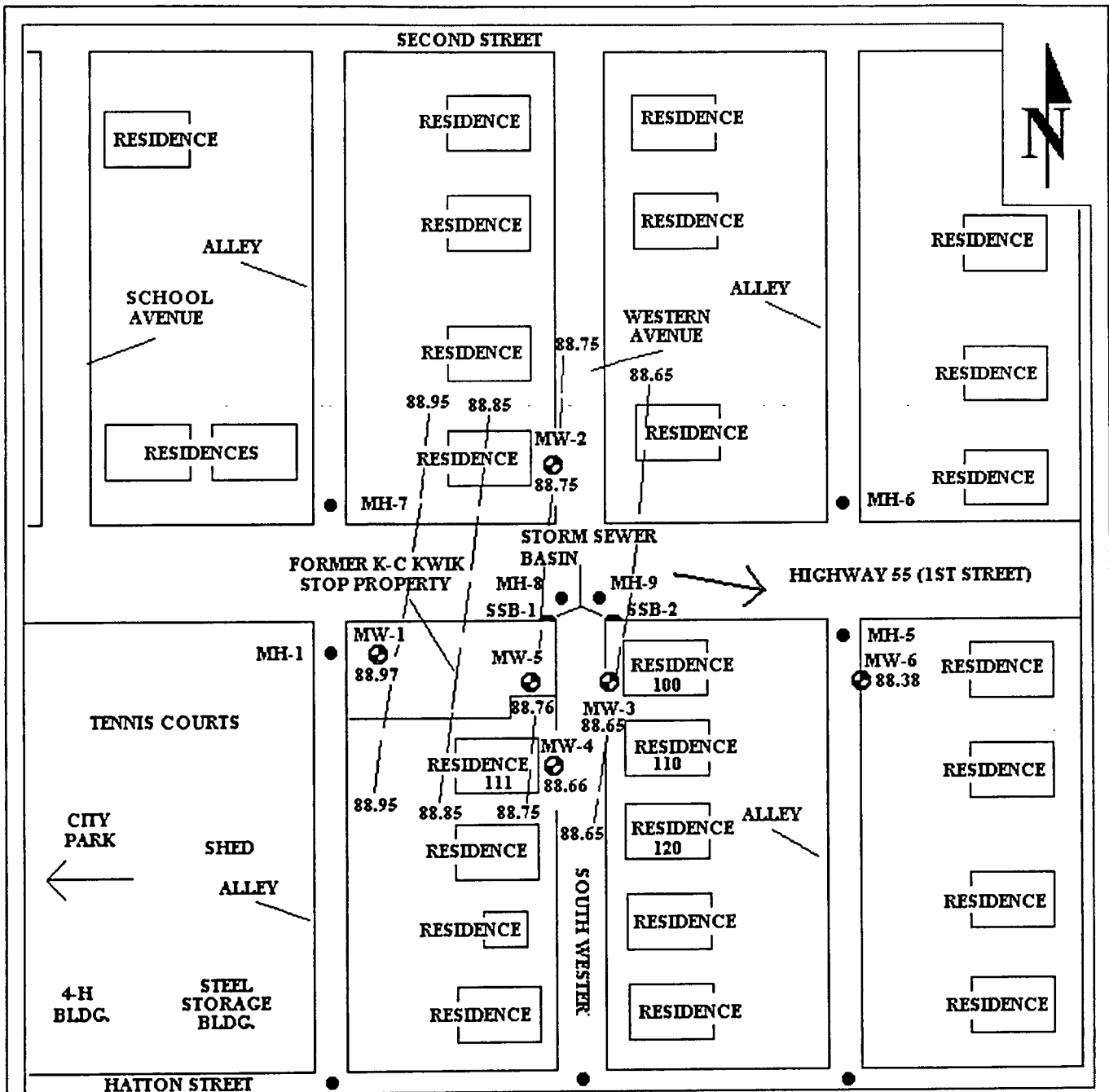
SCALE



KEY

- MW-1 MONITOR WELL LOCATION
- MW-1 GROUND WATER ELEVATION (FEET)
- 90.58 GROUND WATER ELEVATION CONTOUR (APPROXIMATE)
- 90.50 GROUND WATER ELEVATION CONTOUR (APPROXIMATE)
- GROUND WATER FLOW DIRECTION
- MH-2 MANHOLE LOCATION

FORMER K-C KWIK STOP BROOTEN, MINNESOTA		
GROUND WATER ELEVATIONS MAY 4, 2006		
DATE	REVISED	COTEAU ENVIRONMENTAL 728 JANES CIRCLE DR. SW ALEXANDRIA, MN 56308 (320) 846-4668
DRAWN BY:		DATE: JAN 07
		FIGURE: 4B



SCALE



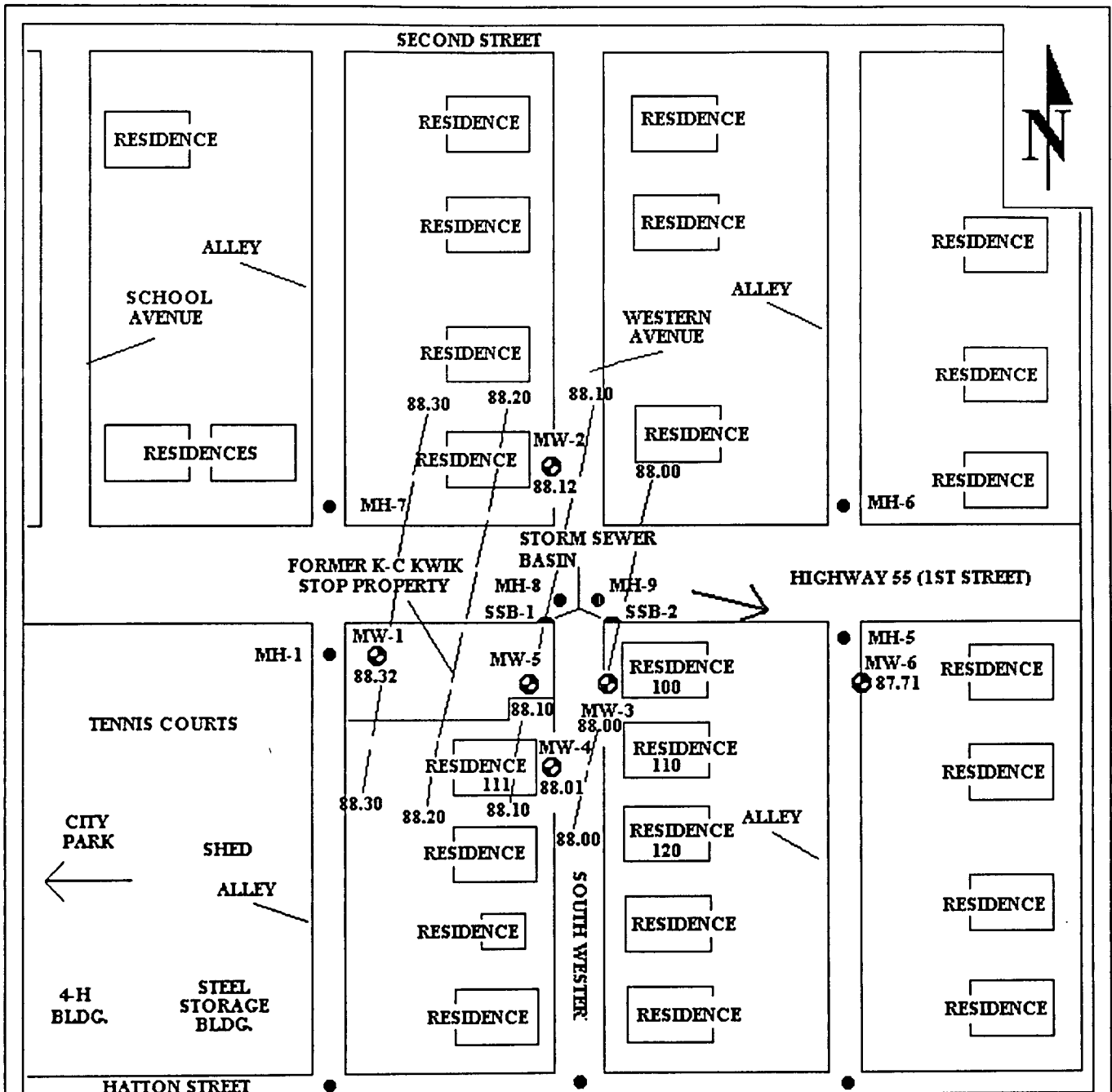
KEY

- MW-1 MONITOR WELL LOCATION
- MW-1 GROUND WATER ELEVATION (FEET)
- 88.97 GROUND WATER ELEVATION CONTOUR (APPROXIMATE)
- 88.75 - GROUND WATER FLOW DIRECTION
- MH-2 MANHOLE LOCATION

**FORMER K-C KWIK STOP
BROOTEN, MINNESOTA**

**GROUND WATER ELEVATIONS
AUGUST 21, 2006**

DATE	REVISED	COTEAU ENVIRONMENTAL 728 JANES CIRCLE DR. SW ALEXANDRIA, MN 56308 (320) 846-4668
DRAWN BY:		DATE: JAN 07
		FIGURE: 4C



- KEY**
- MW-1 MONITOR WELL LOCATION
 - MW-1 GROUND WATER ELEVATION (FEET)
 - 88.32 GROUND WATER ELEVATION
 - 88.00 - GROUND WATER ELEVATION CONTOUR (APPROXIMATE)
 - GROUND WATER FLOW DIRECTION
 - MH-2 MANHOLE LOCATION

**FORMER K-C KWIK STOP
BROOTEN, MINNESOTA**

**GROUND WATER ELEVATIONS
NOVEMBER 7, 2006**

DATE	REVISED	COTEAU ENVIRONMENTAL 728 JANES CIRCLE DR. SW ALEXANDRIA, MN 56308 (320) 846-4668
DRAWN BY:		DATE: JAN 07
		FIGURE: 4D

FIGURE 5
 KC KWIK STOP
 BROOTEN, MINNESOTA
 MONITOR WELL HYDROGRAPHS

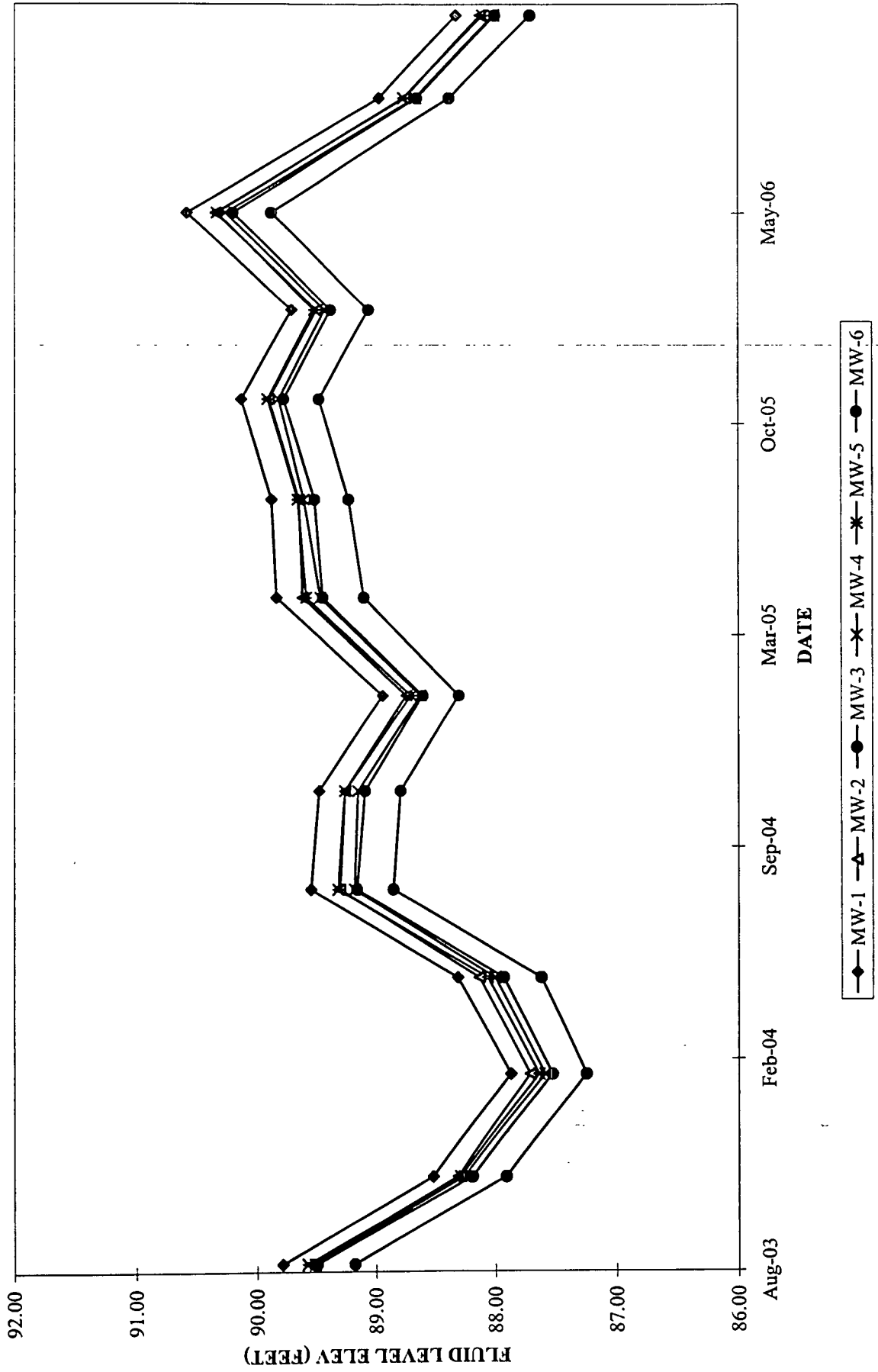


FIGURE 6
 KC KWIK STOP
 BROOTEN, MINNESOTA
 BENZENE CONCENTRATION GRAPH

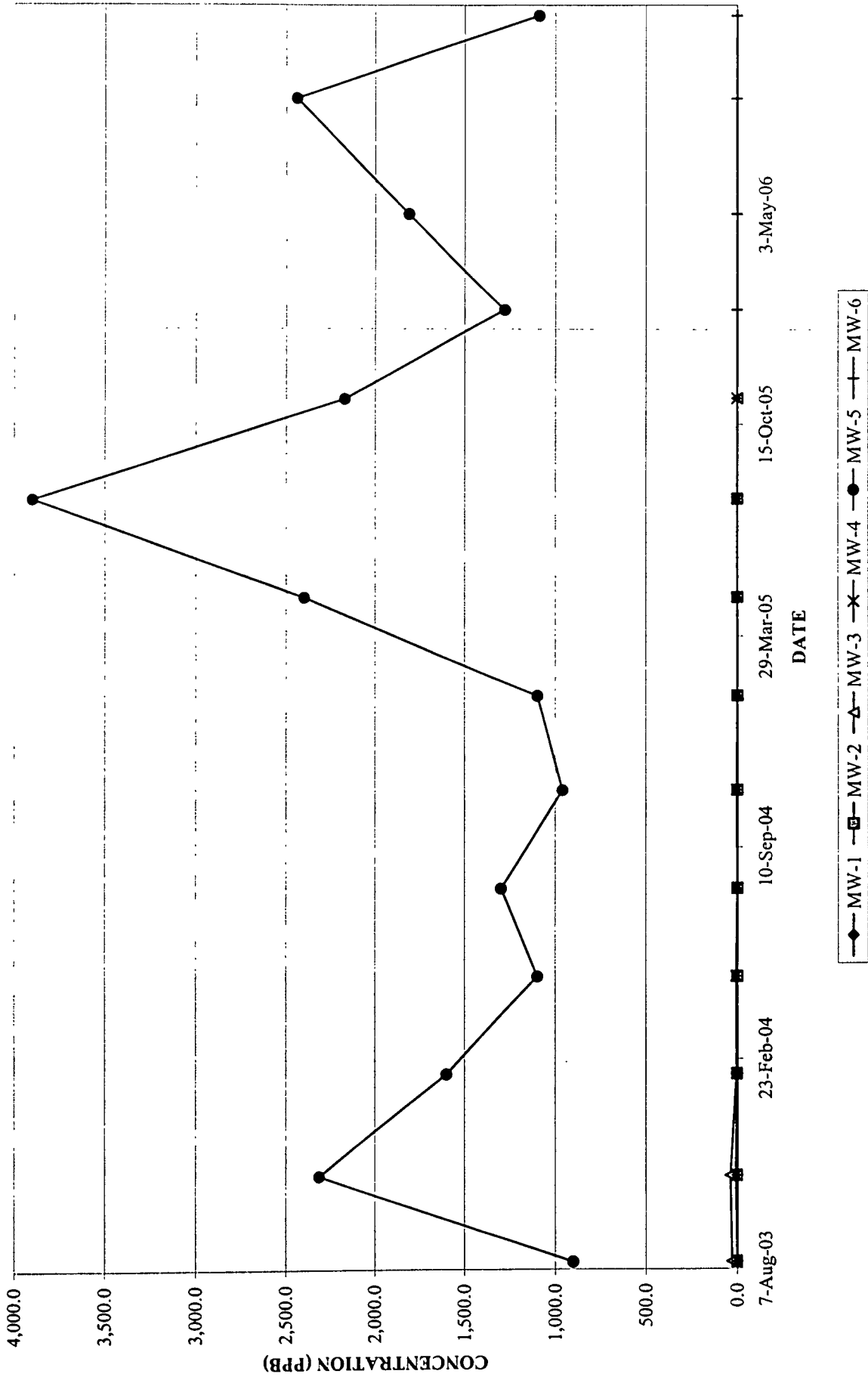
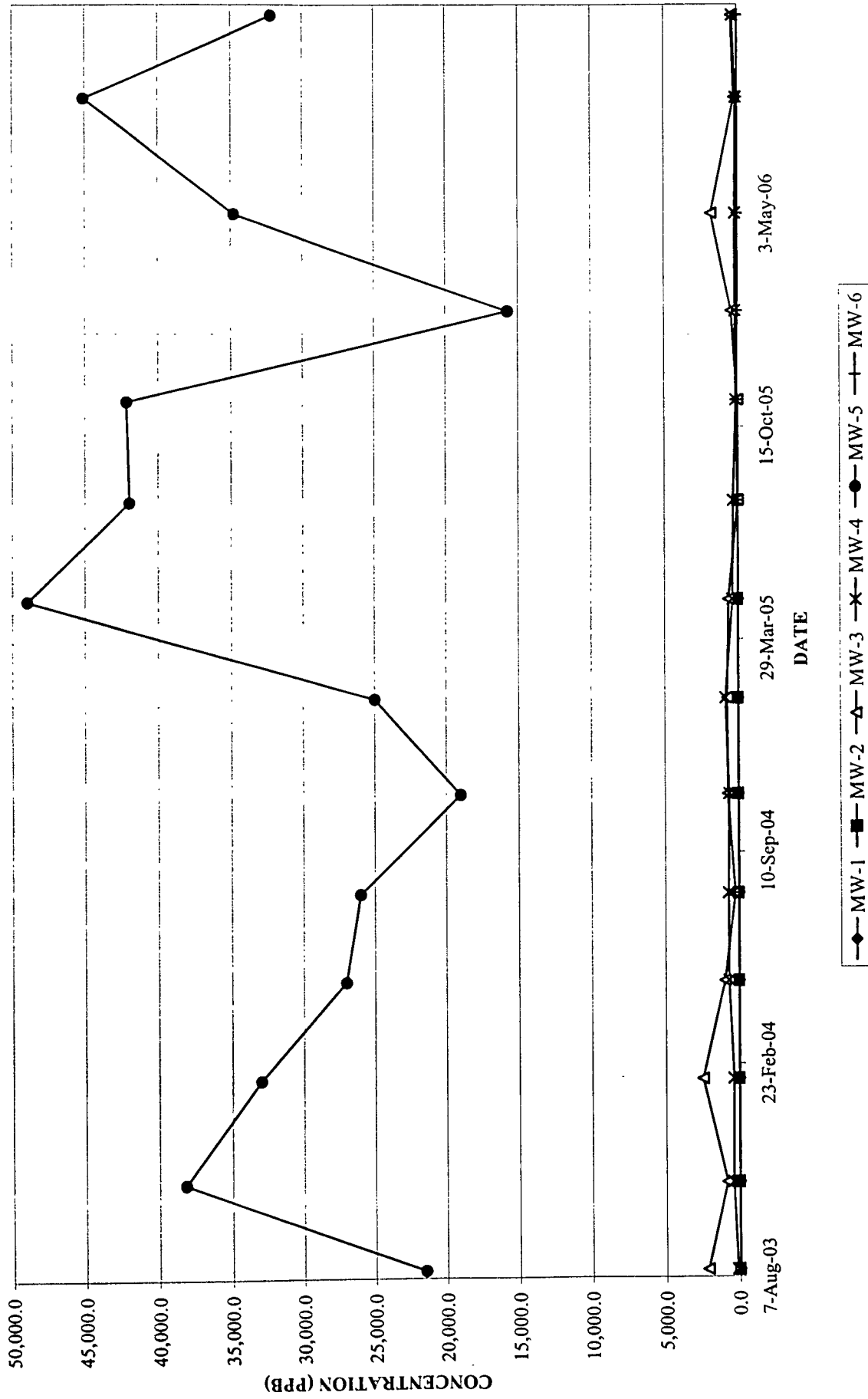
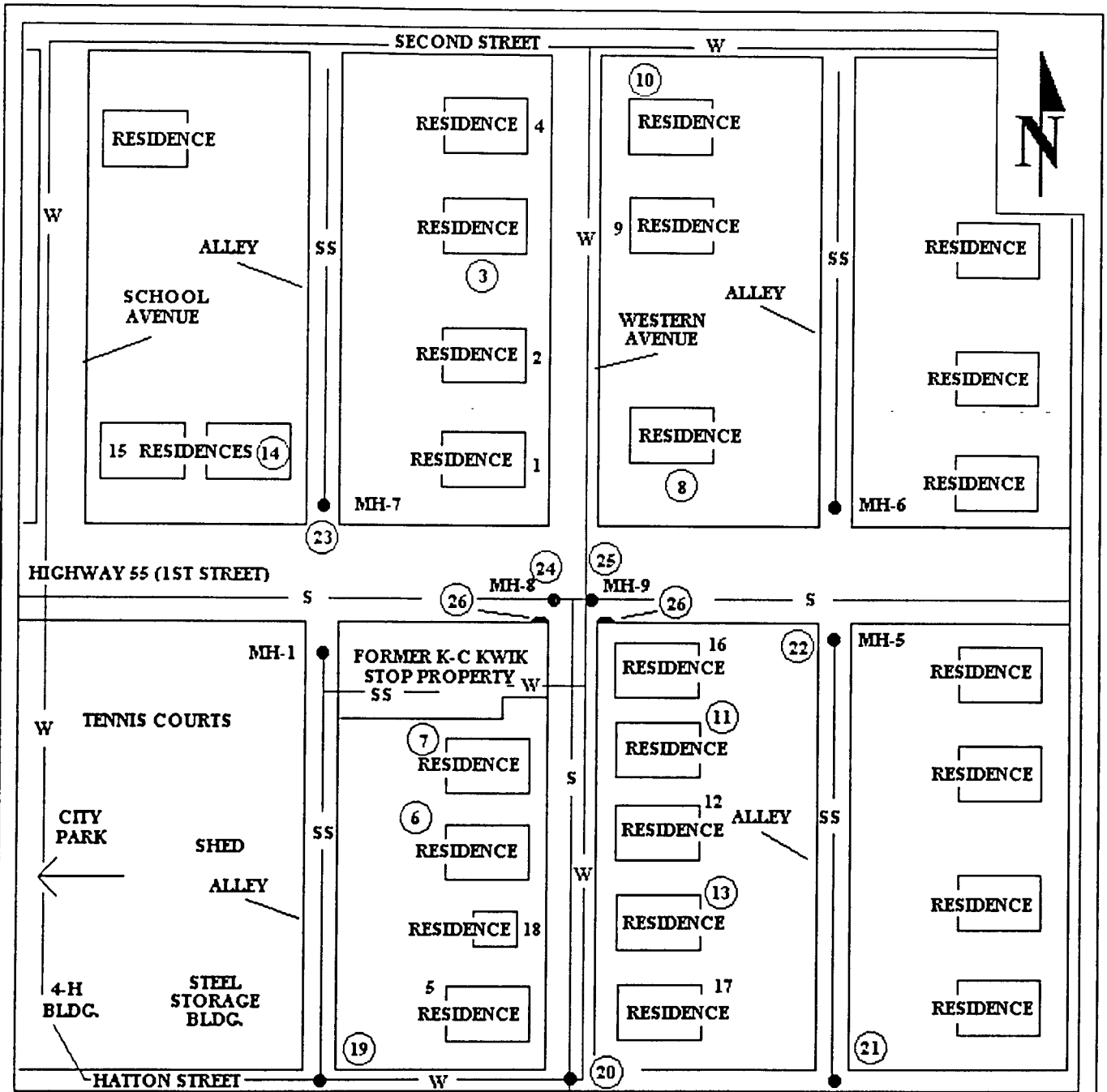


FIGURE 7
 KC KWIK STOP
 BROOTEN, MINNESOTA
 GRO CONCENTRATION GRAPH





KEY

- ① VAPOR SURVEY LOCATION
- W— WATER LINE
- SS— SANITARY SEWER LINE
- S— STORM SEWER LINE
- MH-2 ● MANHOLE LOCATION

SCALE



**FORMER K-C KWIK STOP
BROOTEN, MINNESOTA**

VAPOR SURVEY MAP

DATE	REVISED	COTEAU ENVIRONMENTAL 728 JANES CIRCLE DR. SW ALEXANDRIA, MN 56308 (320) 846-4668
DRAWN BY:		DATE: AUG 03
		FIGURE: 8



Appendices

APPENDIX A
LAB DATA

February 16, 2006

Scott Hunke
Coteau Environmental
728 Janes Circle Drive SW
Alexandria, MN 56308

RE: Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1027402

Dear Scott Hunke:

Enclosed are the analytical results for sample(s) received by the laboratory on February 02, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Shannon K Oberle

Shannon.Oberle@pacelabs.com
Project Manager

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 9

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



SAMPLE SUMMARY

Project: KC KWIK STOP BROOTEN MN
Pace Project No : 1027402

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1027402001	MW-06	Water	02/01/06 10:52	02/02/06 16:20
1027402002	MW-04	Water	02/01/06 11:48	02/02/06 16:20
1027402003	MW-03	Water	02/01/06 12:59	02/02/06 16:20
1027402004	MW-05	Water	02/01/06 13:55	02/02/06 16:20
1027402005	FIELD BLANK	Water	02/01/06 14:10	02/02/06 16:20
1027402006	TRIP BLANK	Water	02/01/06 00:00	02/02/06 16:20

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc .



SAMPLE ANALYTE COUNT

Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1027402

Lab ID	Sample ID	Method	Analytes Reported
1027402001	MW-06	TPH WI GRO/PVOC 8021	6
1027402002	MW-04	TPH WI GRO/PVOC 8021	6
1027402003	MW-03	TPH WI GRO/PVOC 8021	6
1027402004	MW-05	TPH WI GRO/PVOC 8021	6
1027402005	FIELD BLANK	TPH WI GRO/PVOC 8021	6
1027402006	TRIP BLANK	TPH WI GRO/PVOC 8021	5

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1027402

Sample: MW-06								
		Lab ID: 1027402001	Collected: 02/01/06 10:52	Received: 02/02/06 16:20	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: TPH WI GRO/PVOC 8021								
Benzene	ND ppb		1.0	1		02/15/06 00:46	71-43-2	
Ethylbenzene	ND ppb		1.0	1		02/15/06 00:46	100-41-4	
Gasoline Range Organics	ND ppb		100	1		02/15/06 00:46		
Toluene	ND ppb		1.0	1		02/15/06 00:46	108-88-3	
Xylene (Total)	ND ppb		3.0	1		02/15/06 00:46	1330-20-7	
a,a,a-Trifluorotoluene (S)	104 %		80-141	1		02/15/06 00:46	98-08-8	

Sample: MW-04								
		Lab ID: 1027402002	Collected: 02/01/06 11:48	Received: 02/02/06 16:20	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: TPH WI GRO/PVOC 8021								
Benzene	ND ppb		1.0	1		02/14/06 19:34	71-43-2	
Ethylbenzene	2.3 ppb		1.0	1		02/14/06 19:34	100-41-4	
Gasoline Range Organics	163 ppb		100	1		02/14/06 19:34		
Toluene	3.6 ppb		1.0	1		02/14/06 19:34	108-88-3	
Xylene (Total)	ND ppb		3.0	1		02/14/06 19:34	1330-20-7	
a,a,a-Trifluorotoluene (S)	113 %		80-141	1		02/14/06 19:34	98-08-8	

Sample: MW-03								
		Lab ID: 1027402003	Collected: 02/01/06 12:59	Received: 02/02/06 16:20	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: TPH WI GRO/PVOC 8021								
Benzene	ND ppb		1.0	1		02/14/06 20:08	71-43-2	
Ethylbenzene	79.0 ppb		1.0	1		02/14/06 20:08	100-41-4	
Gasoline Range Organics	419 ppb		100	1		02/14/06 20:08		
Toluene	58.2 ppb		1.0	1		02/14/06 20:08	108-88-3	
Xylene (Total)	152 ppb		3.0	1		02/14/06 20:08	1330-20-7	
a,a,a-Trifluorotoluene (S)	115 %		80-141	1		02/14/06 20:08	98-08-8	

Sample: MW-05								
		Lab ID: 1027402004	Collected: 02/01/06 13:55	Received: 02/02/06 16:20	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV Analytical Method: TPH WI GRO/PVOC 8021								
Benzene	1280 ppb		10.0	10		02/15/06 02:46	71-43-2	
Ethylbenzene	570 ppb		10.0	10		02/15/06 02:46	100-41-4	
Gasoline Range Organics	15700 ppb		1000	10		02/15/06 02:46		
Toluene	16200 ppb		50.0	50		02/15/06 16:44	108-88-3	
Xylene (Total)	2810 ppb		30.0	10		02/15/06 02:46	1330-20-7	
a,a,a-Trifluorotoluene (S)	104 %		80-141	10		02/15/06 02:46	98-08-8	

Date: 02/16/2006 04:06 PM

REPORT OF LABORATORY ANALYSIS

Page 4 of 9

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN MN
Pace Project No : 1027402

Sample: FIELD BLANK		Lab ID: 1027402005	Collected: 02/01/06 14:10	Received: 02/02/06 16:20	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	ND ppb		1.0	1		02/14/06 16:11	71-43-2	
Ethylbenzene	ND ppb		1.0	1		02/14/06 16:11	100-41-4	
Gasoline Range Organics	ND ppb		100	1		02/14/06 16:11		
Toluene	ND ppb		1.0	1		02/14/06 16:11	108-88-3	
Xylene (Total)	ND ppb		3.0	1		02/14/06 16:11	1330-20-7	
a.a.a-Trifluorotoluene (S)	115 %		80-141	1		02/14/06 16:11	98-08-8	

Sample: TRIP BLANK		Lab ID: 1027402006	Collected: 02/01/06 00:00	Received: 02/02/06 16:20	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	ND ppb		1.0	1		02/14/06 16:45	71-43-2	
Ethylbenzene	ND ppb		1.0	1		02/14/06 16:45	100-41-4	
Toluene	ND ppb		1.0	1		02/14/06 16:45	108-88-3	
Xylene (Total)	ND ppb		3.0	1		02/14/06 16:45	1330-20-7	
a.a.a-Trifluorotoluene (S)	111 %		80-141	1		02/14/06 16:45	98-08-8	

ANALYTICAL RESULTS QUALIFIERS

Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1027402

PARAMETER QUALIFIERS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

QUALITY CONTROL DATA

Project: KC KWIK STOP BROOTEN MN
Pace Project No: 1027402

QC Batch: GCV/2778 Analysis Method: TPH WI GRO/PVOC 8021
QC Batch Method: TPH WI GRO/PVOC 8021 Analysis Description: WIGRO GCV Water
Associated Lab Samples: 1027402001, 1027402004

METHOD BLANK: 187566
Associated Lab Samples: 1027402001, 1027402004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Benzene	ppb	ND	1.0	
Gasoline Range Organics	ppb	ND	100	
Ethylbenzene	ppb	ND	1.0	
Toluene	ppb	ND	1.0	
Xylene (Total)	ppb	ND	3.0	
a,a,a-Trifluorotoluene (S)	%	106	80-141	

LABORATORY CONTROL SAMPLE: 187567

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ppb	100	99.0	99	80-120	
Gasoline Range Organics	ppb	1000	997	100	80-120	
Ethylbenzene	ppb	100	102	102	80-120	
Toluene	ppb	100	102	102	80-120	
Xylene (Total)	ppb	300	305	102	80-120	
a,a,a-Trifluorotoluene (S)	%			95	80-141	

QUALITY CONTROL DATA

Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1027402

QC Batch: GCV/2782 Analysis Method: TPH WI GRO/PVOC 8021
QC Batch Method: TPH WI GRO/PVOC 8021 Analysis Description: WIGRO GCV Water
Associated Lab Samples: 1027402002, 1027402003, 1027402005, 1027402006

METHOD BLANK: 188197

Associated Lab Samples: 1027402002, 1027402003, 1027402005, 1027402006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Benzene	ppb	ND	1.0	
Gasoline Range Organics	ppb	ND	100	
Ethylbenzene	ppb	ND	1.0	
Toluene	ppb	ND	1.0	
Xylene (Total)	ppb	ND	3.0	
a,a,a-Trifluorotoluene (S)	%	110	80-141	

LABORATORY CONTROL SAMPLE: 188198

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ppb	100	98.2	98	80-120	
Gasoline Range Organics	ppb	1000	934	93	80-120	
Ethylbenzene	ppb	100	97.2	97	80-120	
Toluene	ppb	100	99.5	99	80-120	
Xylene (Total)	ppb	300	301	100	80-120	
a,a,a-Trifluorotoluene (S)	%			104	80-141	

QUALITY CONTROL DATA QUALIFIERS

Project: KC KWIK STOP BROOTEN MN
Pace Project No. 1027402

QUALITY CONTROL PARAMETER QUALIFIERS

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

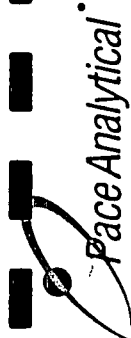
RPD - Relative Percent Difference

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate



CHAIN-OF-CUSTODY Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1027402 of 916293

Section A Required Client Information:

Company: COTEAN ENVIRONMENTAL
 Address: 728 JAMES CIRCLE DR
ALEXANDRIA, MN 56308
 Email To:

Section B Required Project Information:

Report To: COTEAN
 Copy To: COTEAN
 Purchase Order No.:

Section C Invoice Information:

Attention: SCOTT
 Company Name: COTEAN
 Address:
 Pace Quote Reference:
 Pace Project Manager:
 Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA

SITE LOCATION

GA IL IN MI MN NC
 OH SC WI OTHER

Phone: 320-846-4668 Fax: 605-882-4152
 Requested Due Date/TAT:

ITEM #	SAMPLE ID	Valid Matrix Codes	Matrix Code	Sample Type	COLLECTED		# OF CONTAINERS	Preservatives	Filtered (Y/N)	Requested Analysis:	Pace Project Number	Lab ID
					COMPOSITE START DATE, TIME	COMPOSITE END/GRAB DATE, TIME						
1	MW-06	DRINKING WATER DW	WT	G	2/1/06 1052		3		✓		102740200	002
2	MW-04	WASTE WATER WW			1148		3		✓			003
3	MW-03	WASTE WATER WW			1259		3		✓			064
4	MW-05	WASTE WATER WW			1355		3		✓			005
5	FIELD	WASTE WATER WW			1410		3		✓			006
6	TRIP	WASTE WATER WW					2		✓			
7	TEMP	WASTE WATER WW					1		✓			
8												
9												
10												
11												
12												

Additional Comments:

RELINQUISHED BY / AFFILIATION: SCOTT DATE: 2/1/06 TIME: 1700

ACCEPTED BY / AFFILIATION: [Signature] DATE: 2/1/06 TIME: 2032

Received on Ice: Y/N
 Custody Sealed Cooler: Y/N
 Samples Intact: Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: SCOTT HUMER
 SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 2/1/06

Client Name: Coteau

Project # 1027402

Courier Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present yes no Seals intact yes no

Packing Material Bubble Wrap Bubble Bags None Other _____

Thermometer Used 230194010

Type of Ice Wet Blue None

Samples on ice, cooling process has begun

Cooler Temperature 3.7

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: JT 2/2/06

Temp should be above freezing to 6°C

Comments

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Chain of Custody Relinquished	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3
Sampler Name & Signature on COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4
Samples Arrived within Hold Time	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Short Hold Time Analysis (<72hr)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6
Rush Turn Around Time Requested	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9
-Pace Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12
-Includes date/time/ID/Analysis Matrix	<u>WIT</u>	
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13
All containers needing preservation are found to be in compliance with EPA recommendation	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution _____

Project Manager Review: [Signature]

Date: 2-6-06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Data File: \\10samba\chem\10gcv3.i\021406a.b\p6-04534.d

Page 1

Report Date: 16-Feb-2006 12:05

Pace Analytical Services

MBTEX - SW8021

Data file : \\10samba\chem\10gcv3.i\021406a.b\p6-04534.d

Lab Smp Id: 1027402001

Inj Date : 15-FEB-2006 00:46

Operator : CAN

Inst ID: 10gcv3.i

Smp Info :

Misc Info : 2778

Comment :

Method : \\10samba\chem\10gcv3.i\021406a.b\BTEX041.m

Meth Date : 15-Feb-2006 15:57 cnowlan Quant Type: ISTD

Cal Date : 10-FEB-2006 19:09

Cal File: p6-04113.d

Als bottle: 34

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10KLIGHTNER

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-Butyl ether						
2 Benzene						
3 a,a,a-Trifluorotoluene (S)	7.355	7.347	(0.579)	227268	24.5320	24.5
4 Toluene						
5 Chlorofluorobenzene	12.698	12.703	(1.000)	1893418	123.000	
6 Ethylbenzene						
7 m,p-Xylene						
8 o-Xylene						
M 9 Xylene (total)						
10 1,3,5-Trimethylbenzene						
11 1,2,4-Trimethylbenzene						

Data File: \\10samba\chem\10gcv3.i\021406a.b/p6-04534.d

Report Date: 02/16/2006

Client ID:

Instrument: 10gcv3.i

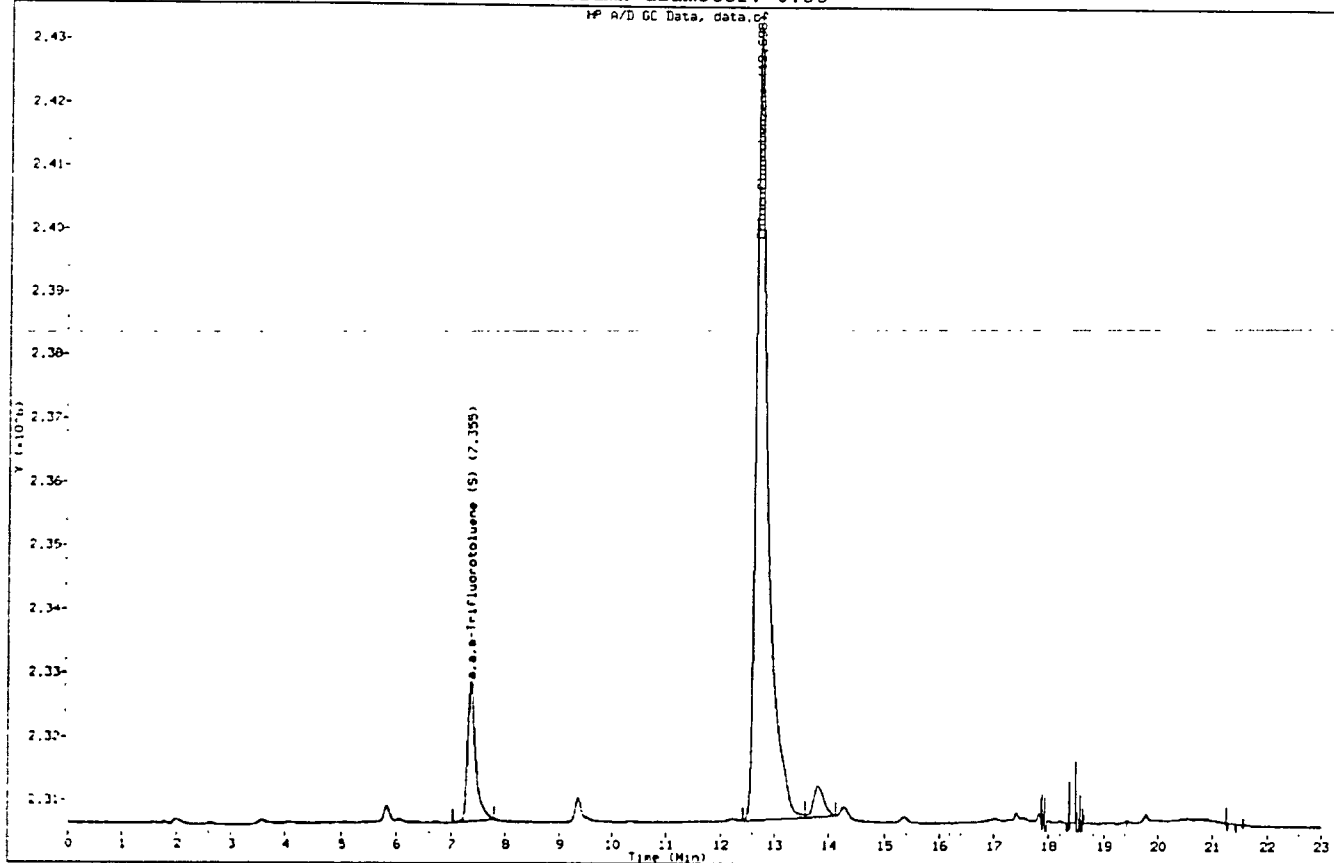
Sample Information:

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\021406a.b\f6-04534.d

Page 1

Report Date: 16-Feb-2006 12:08

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\021406a.b\f6-04534.d

Lab Smp Id: 1027402001

Inj Date : 15-FEB-2006 00:46

Operator : CAN

Inst ID: 10gcv3.i

Smp Info :

Misc Info : 2778

Comment :

Method : \\10samba\chem\10gcv3.i\021406a.b\Gro041.m

Meth Date : 15-Feb-2006 16:48 10gcv3.i Quant Type: ESTD

Cal Date : 10-FEB-2006 19:09

Cal File: f6-04113.d

Als bottle: 34

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10KLIGHTNER

Concentration Formula: Amt * DF * CpndVariable

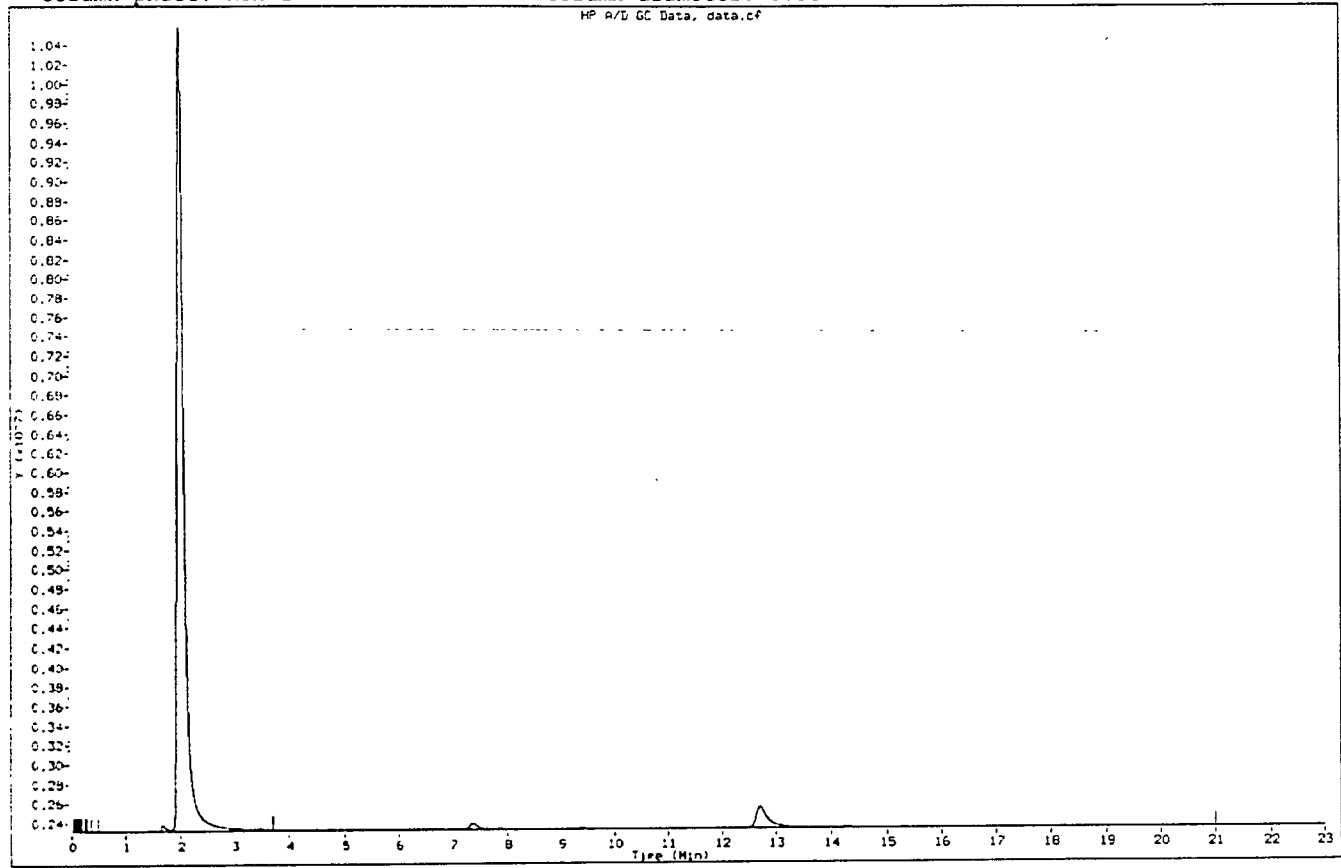
Cpnd Variable Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL
					(ug/L)	(ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GRO				Compound Not Detected.		
S 6 Chlorofluorobenzene				Compound Not Detected.		

Data File: \\10samba\chem\10gcv3.i\021406a.b\f6-04534.d
Report Date: 02/16/2006
Client ID: Instrument: 10gcv3.i
Sample Information: Operator: CAN
Purge Volume: Column diameter: 0.53
Column phase: RTX-1

HP A/D GC Data, data.cf



Report Date: 14-Feb-2006 20:26

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv1.i\021406a.b\f2-04511.d

Lab Smp Id: 1027402002

Inj Date : 14-FEB-2006 19:34

Operator : CAN

Inst ID: 10gcv1.i

Smp Info : 1027402002

Misc Info : 2782

Comment :

Method : \\10samba\chem\10gcv1.i\021406a.b\Gro019.m

Meth Date : 14-Feb-2006 14:33 voa

Quant Type: ESTD

Cal Date : 19-JAN-2006 21:40

Cal File: f2-01907.d

Als bottle: 11

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10KLIGHTNER

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

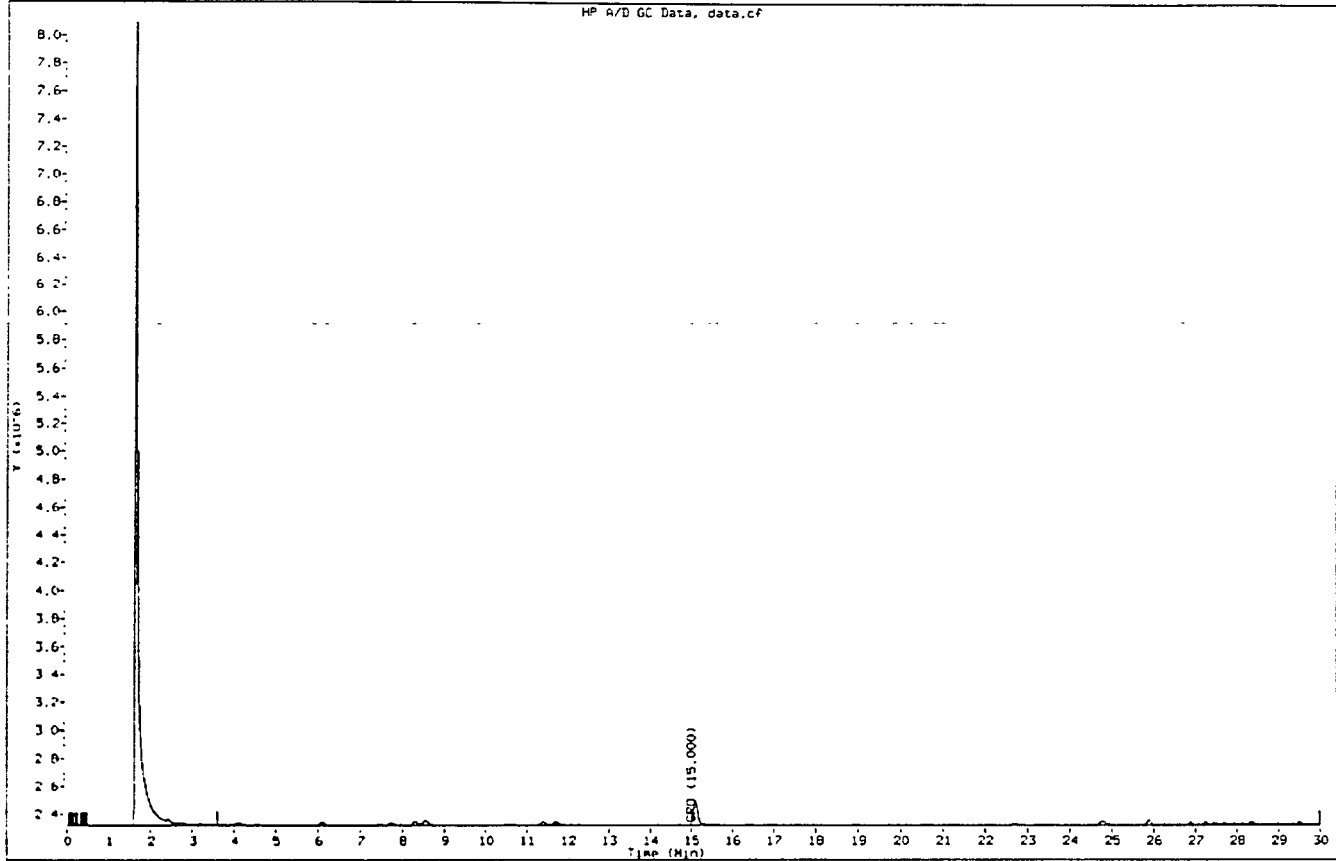
Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GRO	3.700-26.300			44478896	162.834	162.8
S 6 Chlorofluorobenzene	Compound Not Detected.					

Data File: \\10samba\chem\10gcv1.i\021406a.b\f2-04511.d
Report Date: 02/14/2006
Client ID: Instrument: 10gcv1.i
Sample Information: 1027402002
Purge Volume: Operator: CAN
Column phase: RTX-1 Column diameter: 0.53

HP A/D GC Data, data.cf



Data File: \\10samba\chem\10gcv1.i\021406a.b\p2-04511.d

Page 1

Report Date: 14-Feb-2006 20:20

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv1.i\021406a.b\p2-04511.d

Lab Smp Id: 1027402002

Inj Date : 14-FEB-2006 19:34

Operator : CAN

Inst ID: 10gcv1.i

Smp Info : 1027402002

Misc Info : 2782

Comment :

Method : \\10samba\chem\10gcv1.i\021406a.b\BTEX019.m

Meth Date : 14-Feb-2006 14:22 voa

Quant Type: ISTD

Cal Date : 19-JAN-2006 21:40

Cal File: p2-01907.d

Als bottle: 11

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10KLIGHTNER

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether						
2 Benzene						
3 a,a,a-Trifluorotoluene (S)	8.266	8.273	(0.548)	324144	16.4046	16.4 (M)
4 Toluene	11.680	11.676	(0.775)	217108	3.63493	3.63 (M)
5 Chlorofluorobenzene	15.076	15.090	(1.000)	2916550	123.000	(M)
6 Ethylbenzene	16.910	16.923	(1.122)	120065	2.29144	2.29 (M)
7 m,p-Xylene						
8 o-Xylene						
M 9 Xylene (total)						
10 1,3,5-Trimethylbenzene						
11 1,2,4-Trimethylbenzene	25.660	25.673	(1.715)	540713	12.1753	12.2 (M)
12 Naphthalene	28.676	28.663	(1.902)	99051		(aM)

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv1.1\021406a.b\p2-04511.d

Report Date: 02/14/2006

Client ID:

Instrument: 10gcv1.i

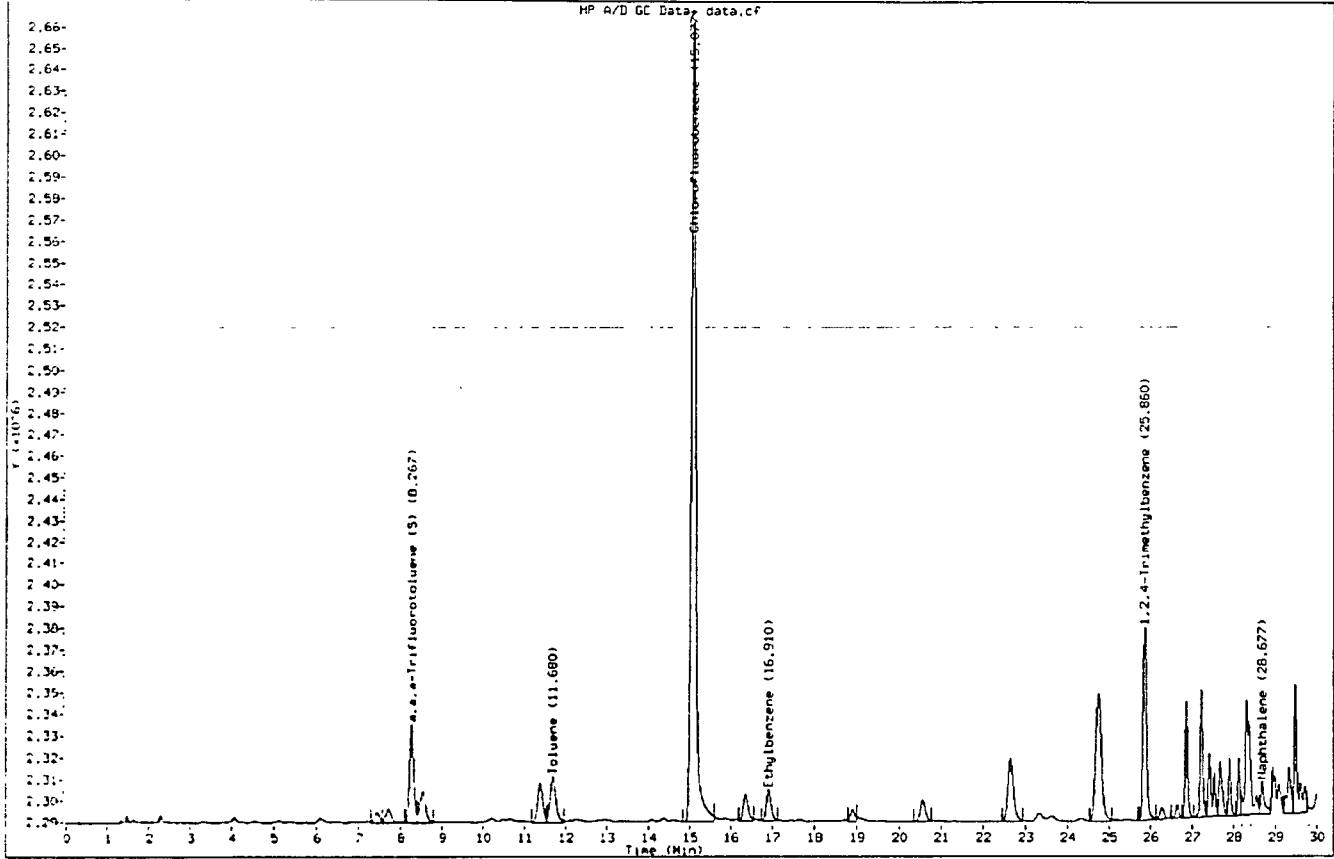
Sample Information: 1027402002

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



Data File: \\10samba\chem\10gcv1.i\021406a.b\p2-04512.d

Page 1

Report Date: 15-Feb-2006 07:33

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv1.i\021406a.b\p2-04512.d

Lab Smp Id: 1027402003

Inj Date : 14-FEB-2006 20:08

Operator : CAN

Inst ID: 10gcv1.i

Smp Info : 1027402003

Misc Info : 2782

Comment :

Method : \\10samba\chem\10gcv1.i\021406a.b\BTEX019.m

Meth Date : 15-Feb-2006 07:25 cnowlan Quant Type: ISTD

Cal Date : 19-JAN-2006 21:40

Cal File: p2-01907.d

Als bottle: 12

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10KLIGHTNER

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether	Compound Not Detected.					
2 Benzene	Compound Not Detected.					
S 3 a,a,a-Trifluorotoluene (S)	8.270	8.260	(0.549)	335071	16.8239	16.8 (M)
4 Toluene	11.670	11.656	(0.774)	3501298	58.1967	58.2 (M)
5 Chlorofluorobenzene	15.073	15.060	(1.000)	2937785	123.000	(M)
6 Ethylbenzene	16.906	16.890	(1.122)	4168969	78.9896	79.0 (M)
7 m,p-Xylene	17.630	17.633	(1.170)	4737246	81.5541	81.6 (M)
8 o-Xylene	18.892	18.876	(1.253)	3645700	70.7785	70.8 (M)
M 9 Xylene (total)				8382946	152.333	152
10 1,3,5-Trimethylbenzene	24.330	24.303	(1.614)	66230	1.15894	1.16 (M)
11 1,2,4-Trimethylbenzene	25.960	25.843	(1.716)	1132304	25.3120	25.3 (M)
12 Naphthalene	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv1.i\021406a.b\p2-04512.d

Report Date: 02/15/2006

Client ID:

Instrument: 10gcv1.i

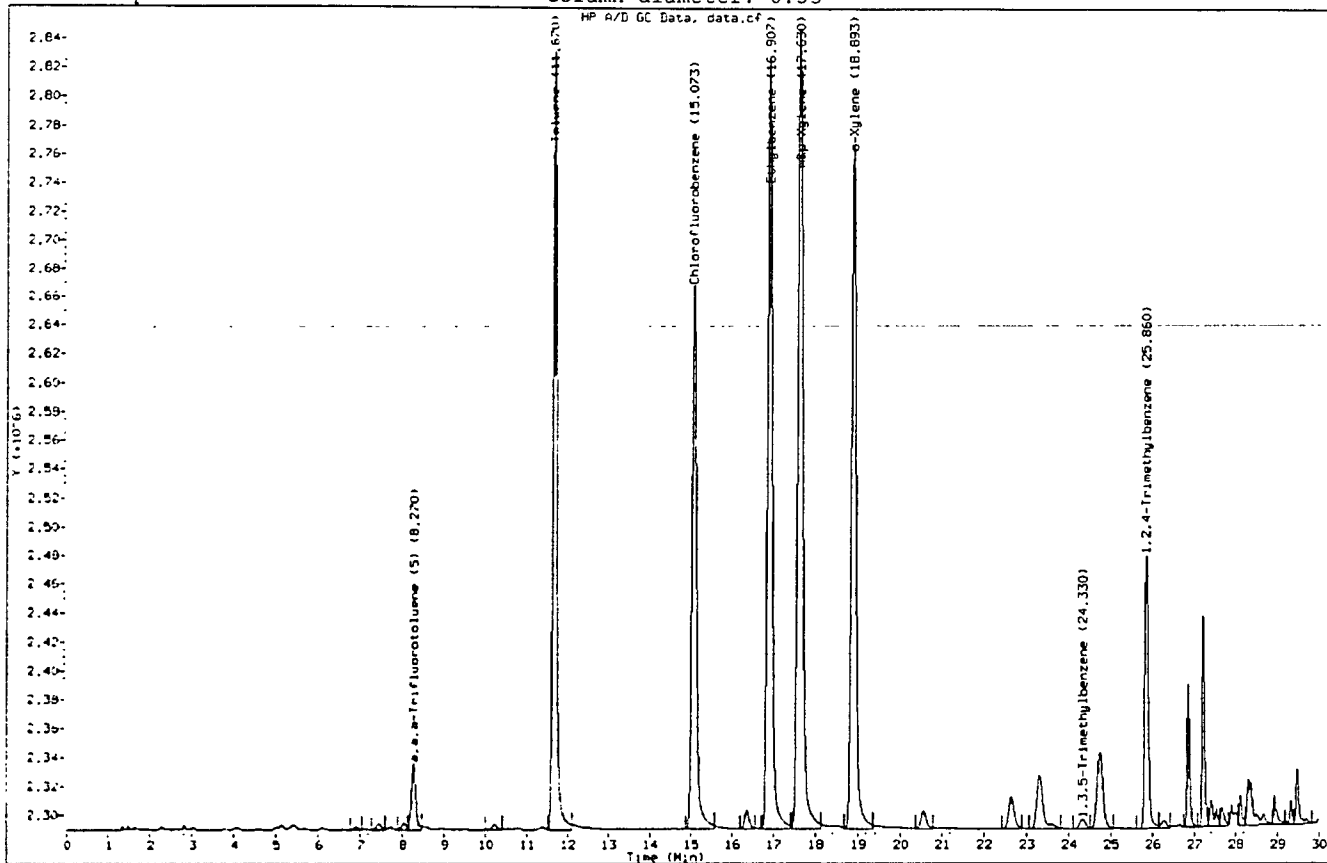
Sample Information: 1027402003

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



Data File: \\10samba\chem\10gcv1.i\021406a.b\f2-04512.d

Page 1

Report Date: 15-Feb-2006 07:33

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv1.i\021406a.b\f2-04512.d

Lab Smp Id: 1027402003

Inj Date : 14-FEB-2006 20:08

Operator : CAN

Inst ID: 10gcv1.i

Smp Info : 1027402003

Misc Info : 2782

Comment :

Method : \\10samba\chem\10gcv1.i\021406a.b\Gro019.m

Meth Date : 15-Feb-2006 07:25 cnowlan Quant Type: ESTD

Cal Date : 19-JAN-2006 21:40 Cal File: f2-01907.d

Als bottle: 12

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10KLIGHTNER

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL
					(ug/L)	(ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GRO	3.700-26.300			75239701	418.716	418.7
S 6 Chlorofluorobenzene	Compound Not Detected.					

Data File: \\10samba\chem\10gcv1.i\021406a.b/f2-04512.d

Report Date: 02/15/2006

Client ID:

Instrument: 10gcv1.i

Sample Information: 1027402003

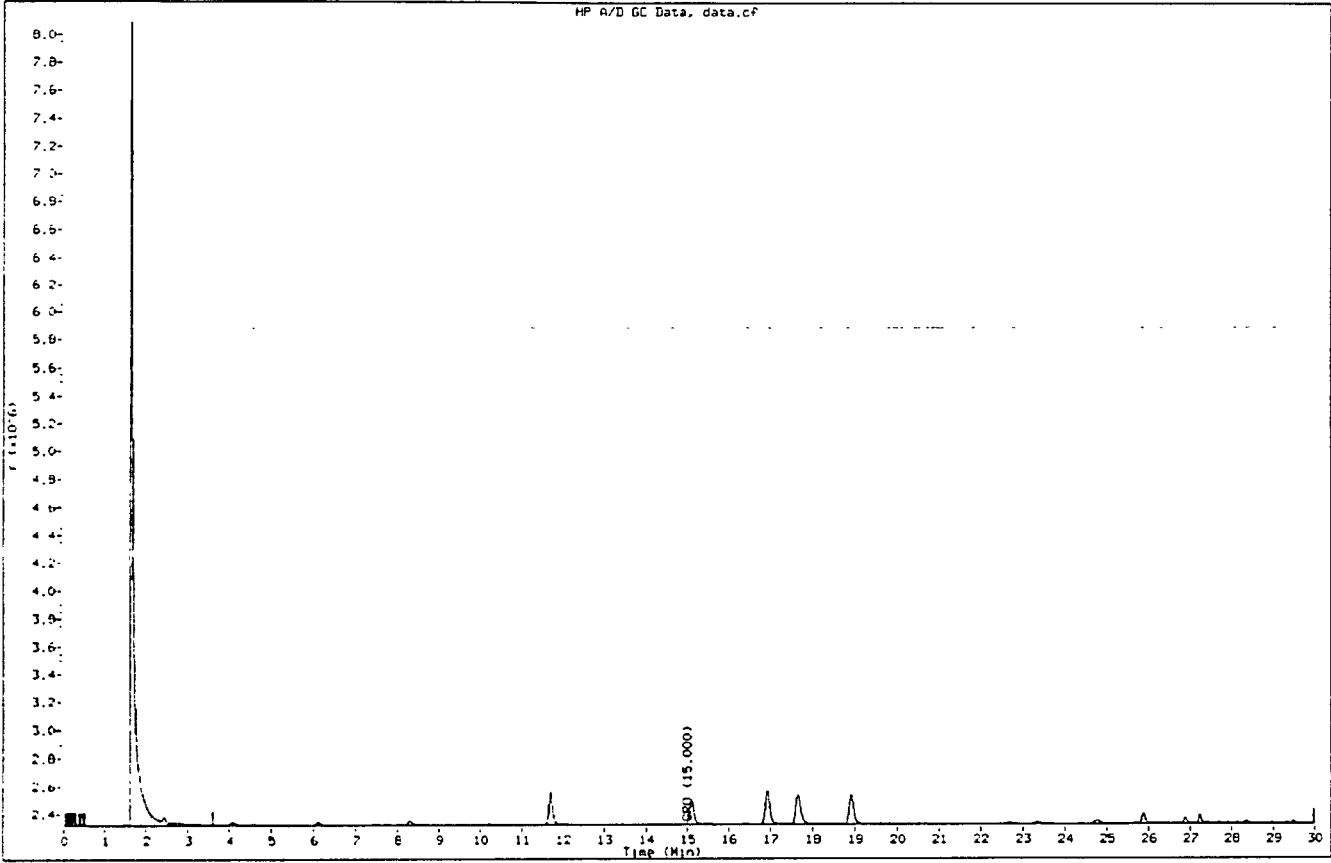
Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53

HP A/D GC Data, data.caf



Data File: \\10samba\chem\10gcv3.i\021406a.b\f6-04538.d

Page 1

Report Date: 16-Feb-2006 12:08

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\021406a.b\f6-04538.d

Lab Smp Id: 1027402004

Inj Date : 15-FEB-2006 02:46

Operator : CAN

Inst ID: 10gcv3.i

Smp Info :

Misc Info : 2778

Comment :

Method : \\10samba\chem\10gcv3.i\021406a.b\Gro041.m

Meth Date : 15-Feb-2006 16:48 10gcv3.i Quant Type: ESTD

Cal Date : 10-FEB-2006 19:09

Cal File: f6-04113.d

Als bottle: 38

Dil Factor: 10.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10KLIGHTNER

Concentration Formula: Amt * DF * CpndVariable

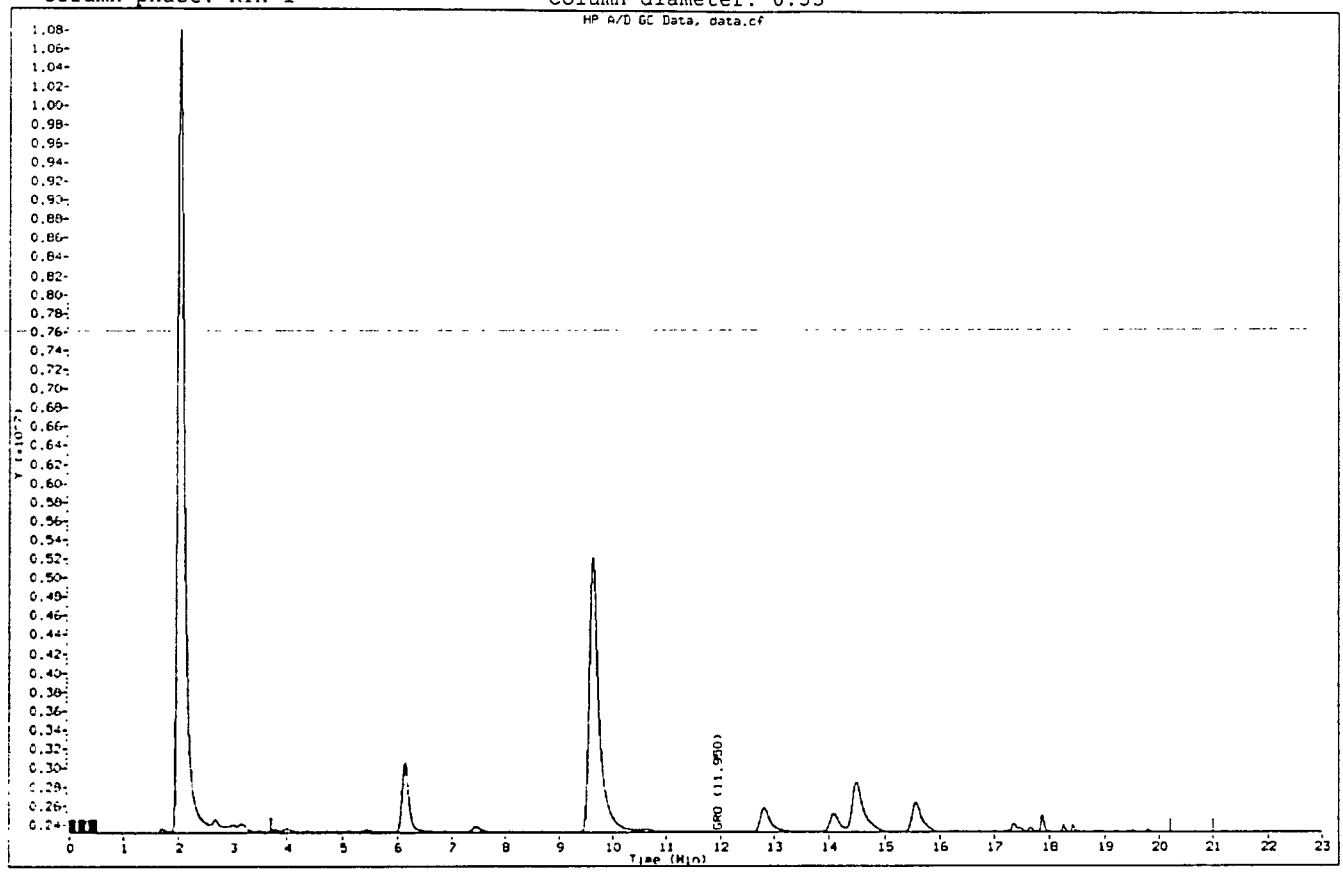
Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
-----	-----	-----	-----	-----	-----	-----
5 5 GRO	3.700-20.200			1423161590	1568.31	15680
5 6 Chlorofluorobenzene	Compound Not Detected.					

Data File: \\10samba\chem\10gcv3.i\021406a.b\f6-04538.d
Report Date: 02/16/2006
Client ID:
Sample Information:
Purge Volume:
Column phase: RTX-1
Instrument: 10gcv3.i
Operator: CAN
Column diameter: 0.53



Data File: \\10samba\chem\10gcv5.i\021506a-1.b\04604.d

Page 1

Report Date: 16-Feb-2006 11:59

Pace Analytical

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv5.i\021506a-1.b\04604.d

Lab Smp Id: 1027402004

Inj Date : 15-FEB-2006 16:44

Operator : CAN

Inst ID: 10gcv5.i

Smp Info : 1027402004 50x

Misc Info : 2778

Comment :

Method : \\10samba\chem\10gcv5.i\021506a-1.b\BTEX045.m

Meth Date : 16-Feb-2006 11:58 10gcv5.i Quant Type: ISTD

Cal Date : 14-FEB-2006 20:23 Cal File: 04514.d

Als bottle: 1

Dil Factor: 50.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10KBOUCHER

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

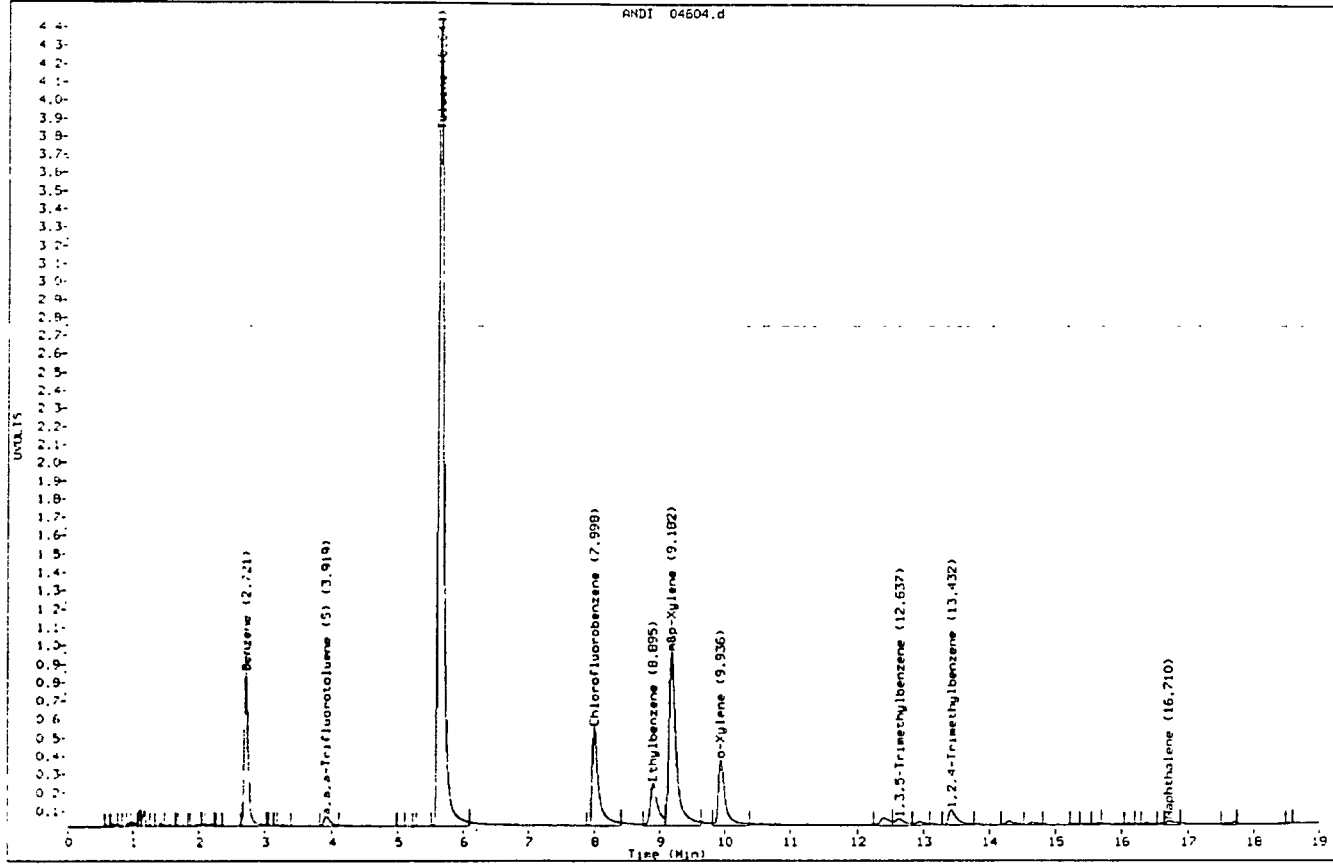
Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether	Compound Not Detected.					
2 Benzene	2.720	2.718	(0.340)	3690753	42.5208	2130 (M)
3 a,a,a-Trifluorotoluene (S)	3.919	3.924	(0.490)	379461	18.1382	18.1 (M)
4 Toluene	5.644	5.654	(0.706)	25293987	324.675	16200 (M)
5 Chlorofluorobenzene	7.997	7.999	(1.000)	3797778	123.000	(M)
6 Ethylbenzene	8.895	8.868	(1.112)	1879203	31.2347	1560 (M)
7 m&p-Xylene	9.181	9.181	(1.148)	7467247	101.240	5060 (M)
8 o-Xylene	9.935	9.922	(1.242)	2769037	44.6474	2230 (M)
M 9 Xylene (total)				10236284	145.888	7290
10 1,3,5-Trimethylbenzene	12.636	12.571	(1.580)	419323	6.09091	304 (M)
11 1,2,4-Trimethylbenzene	13.431	13.375	(1.679)	831654	17.9085	895 (M)
12 Naphthalene	16.710	16.614	(2.089)	247025	4.52646	226 (AM)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv5.1\021506a-1.b\04604.d
Report Date: 02/16/2006
Client ID:
Sample Information: 1027402004 50x
Purge Volume:
Column phase: RTX-1
Instrument: 10gcv5.i
Operator: CAN
Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\021406a.b\p6-04538.d

Page 1

Report Date: 16-Feb-2006 12:05

Pace Analytical Services

MBTEX - SW8021

Data file : \\10samba\chem\10gcv3.i\021406a.b\p6-04538.d

Lab Smp Id: 1027402004

Inj Date : 15-FEB-2006 02:46

Operator : CAN

Inst ID: 10gcv3.i

Smp Info :

Misc Info : 2778

Comment :

Method : \\10samba\chem\10gcv3.i\021406a.b\BTEX041.m

Meth Date : 15-Feb-2006 15:57 cnowlan Quant Type: ISTD

Cal Date : 10-FEB-2006 19:09

Cal File: p6-04113.d

Als bottle: 38

Dil Factor: 10.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10KLIGHTNER

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON=COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether	Compound Not Detected.					
2 Benzene	6.139	6.051	(0.479)	4108556	128.345	1280 (M)
3 a,a,a-Trifluorotoluene (S)	7.441	7.347	(0.591)	232473	24.6181	24.6 (M)
4 Toluene	9.626	9.516	(0.751)	21553818	734.993	7350 (AM)
5 Chlorofluorobenzene	12.810	12.703	(1.000)	1930010	123.000	(M)
6 Ethylbenzene	14.081	13.982	(1.099)	1340066	56.9618	570 (M)
7 m,p-Xylene	14.489	14.410	(1.131)	5162439	185.211	1850 (M)
8 o-Xylene	15.553	15.463	(1.214)	2264680	94.3629	944 (M)
M 9 Xylene (total)				7407119	281.139	2810
10 1,3,5-Trimethylbenzene	17.652	17.432	(1.378)	116230	5.27881	52.8 (M)
11 1,2,4-Trimethylbenzene	18.247	17.830	(1.424)	131252	8.47414	84.7 (M)

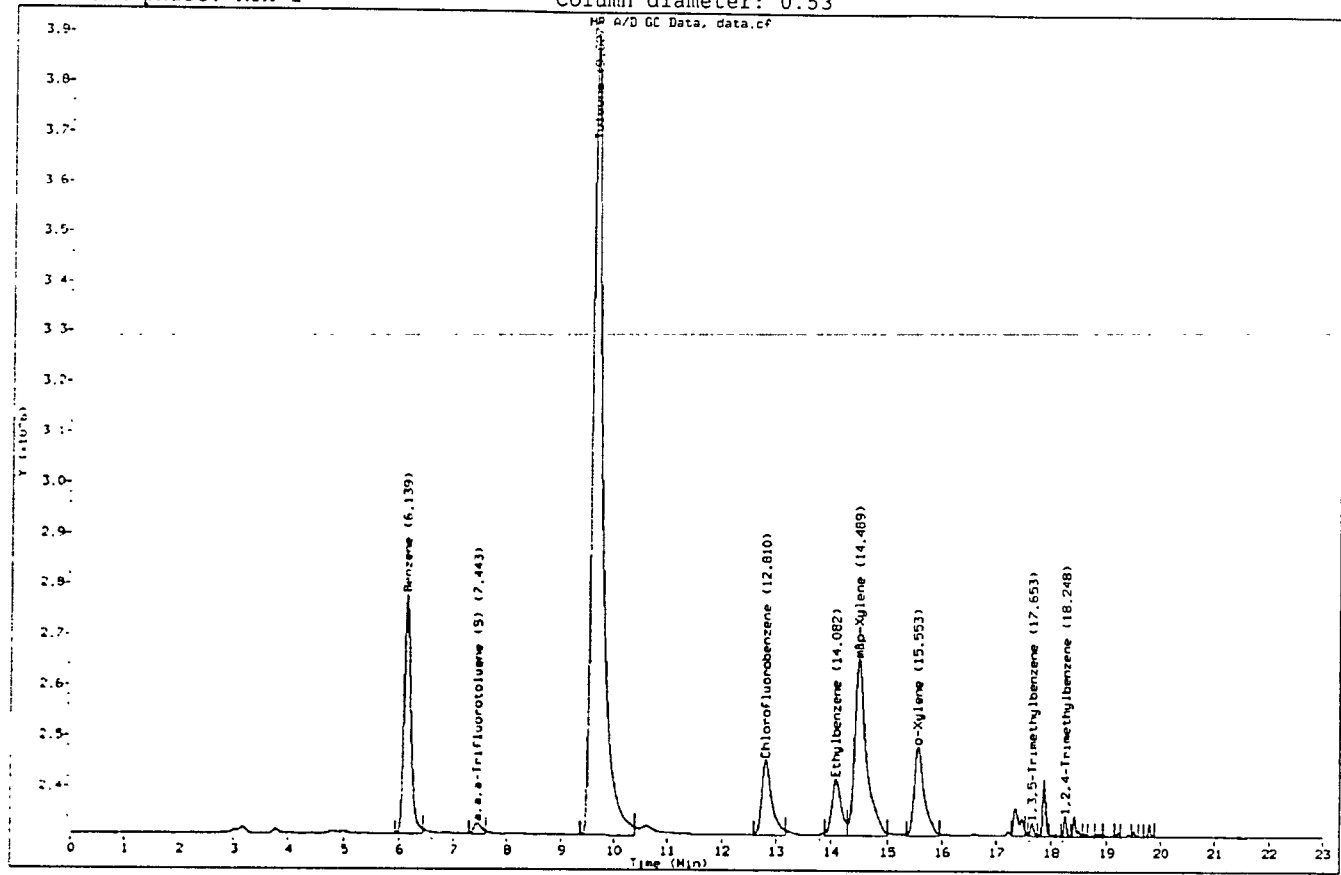
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv3.i\021406a.b\p6-04538.d
Report Date: 02/16/2006
Client ID:
Sample Information:
Purge Volume:
Column phase: RTX-1

Instrument: 10gcv3.i
Operator: CAN
Column diameter: 0.53



Data File: \\10samba\chem\10gcv1.i\021406a.b\p2-04505.d

Page 1

Report Date: 14-Feb-2006 20:20

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv1.i\021406a.b\p2-04505.d

Lab Smp Id: 1027402005

Inj Date : 14-FEB-2006 16:11

Operator : CAN

Inst ID: 10gcv1.i

Smp Info : 1027402005

Misc Info : 2782

Comment :

Method : \\10samba\chem\10gcv1.i\021406a.b\BTEX019.m

Meth Date : 14-Feb-2006 14:22 voa

Quant Type: ISTD

Cal Date : 19-JAN-2006 21:40

Cal File: p2-01907.d

Als bottle: 5

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10KLIGHTNER

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether						
2 Benzene						
S 3 a,a,a-Trifluorotoluene (S)	8.260	8.273	(0.548)	336414	16.7346	16.7(M)
4 Toluene						
5 Chlorofluorobenzene	15.073	15.090	(1.000)	2965703	123.000	(M)
6 Ethylbenzene						
7 m,p-Xylene						
8 o-Xylene						
M 9 Xylene (total)						
10 1,3,5-Trimethylbenzene						
11 1,2,4-Trimethylbenzene						
12 Naphthalene						

QC Flag Legend

M - Compound response manually integrated.

Data File: \\iosamba\chem\10gcv1.1\021406a.b/p2-04505.d

Report Date: 02/14/2006

Client ID:

Instrument: 10gcv1.i

Sample Information: 1027402005

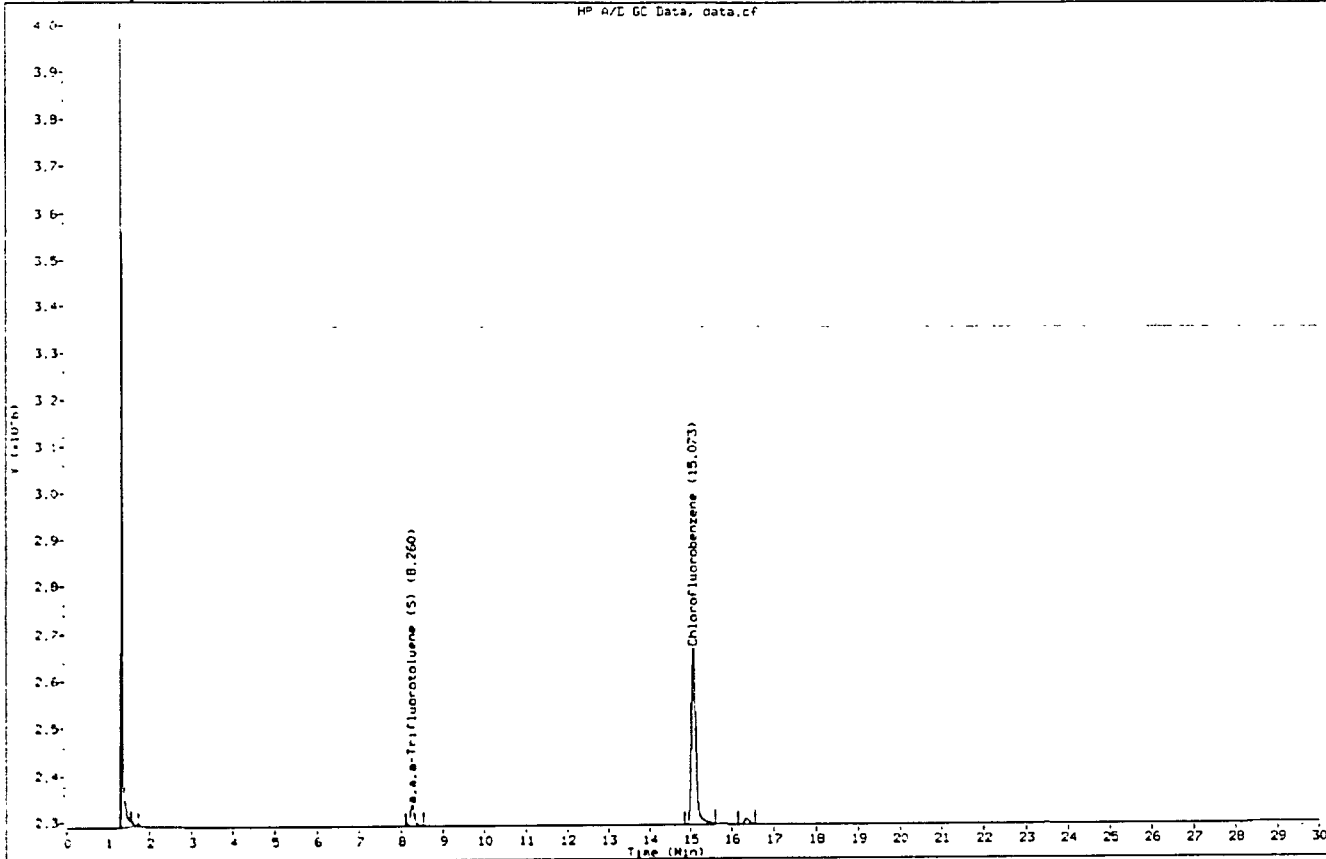
Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53

HP A/E GC Data, data.cf



Data File: \\10samba\chem\10gcv1.i\021406a.b\f2-04505.d

Page 1

Report Date: 14-Feb-2006 20:26

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv1.i\021406a.b\f2-04505.d

Lab Smp Id: 1027402005

Inj Date : 14-FEB-2006 16:11

Operator : CAN

Inst ID: 10gcv1.i

Smp Info : 1027402005

Misc Info : 2782

Comment :

Method : \\10samba\chem\10gcv1.i\021406a.b\Gro019.m

Meth Date : 14-Feb-2006 14:33 voa

Quant Type: ESTD

Cal Date : 19-JAN-2006 21:40

Cal File: f2-01907.d

Als bottle: 5

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10KLIGHTNER

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

Data File: \\10samba\chem\10gcv1.i\021406a.b/f2-04505.d

Report Date: 02/14/2006

Client ID:

Instrument: 10gcv1.i

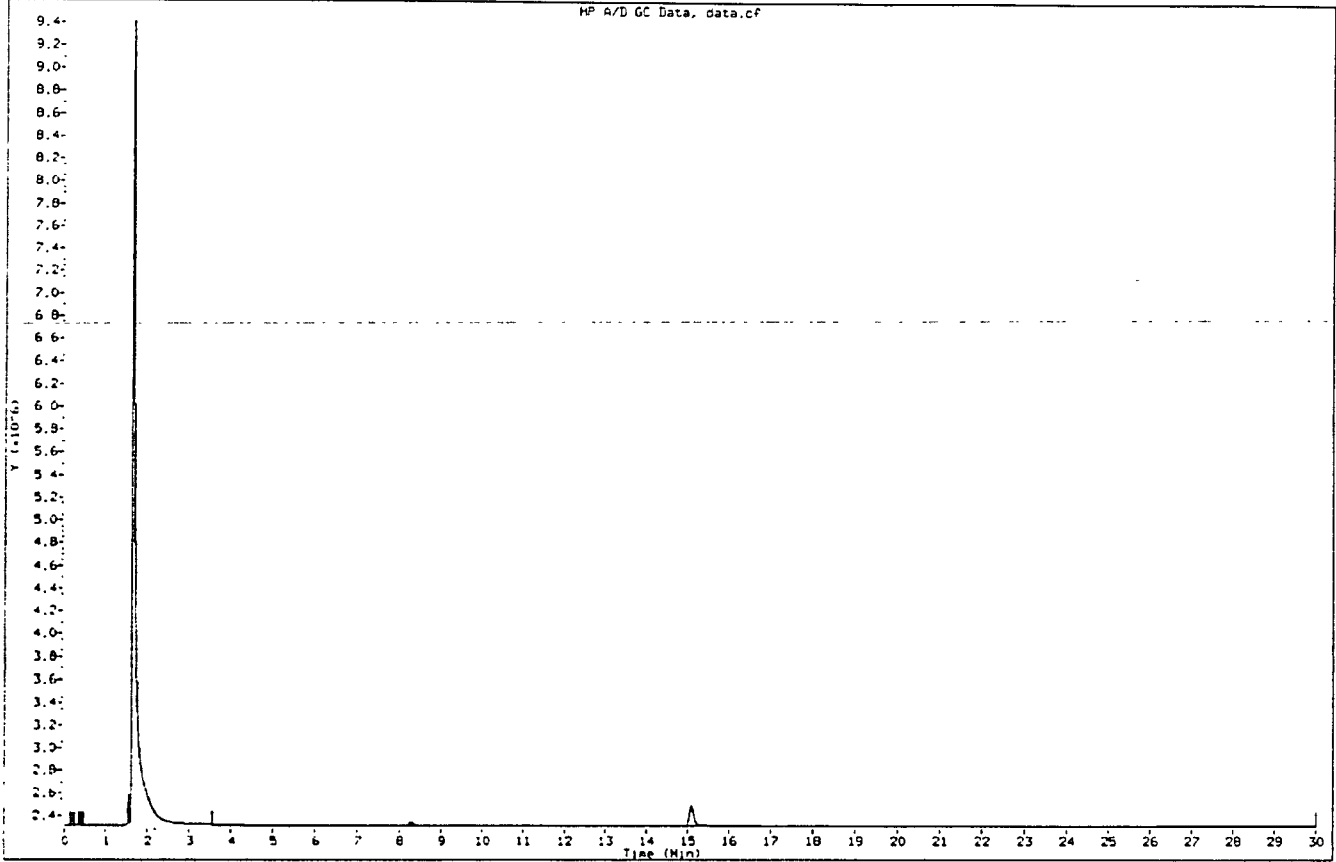
Sample Information: 1027402005

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



Data File: \\10samba\chem\10gcv1.i\021406a.b\p2-04506.d

Page 1

Report Date: 14-Feb-2006 20:20

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv1.i\021406a.b\p2-04506.d

Lab Smp Id: 1027402006

Inj Date : 14-FEB-2006 16:45

Operator : CAN

Inst ID: 10gcv1.i

Smp Info : 1027402006

Misc Info : 2782

Comment :

Method : \\10samba\chem\10gcv1.i\021406a.b\BTEX019.m

Meth Date : 14-Feb-2006 14:22 voa

Quant Type: ISTD

Cal Date : 19-JAN-2006 21:40

Cal File: p2-01907.d

Als bottle: 6

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10KLIGHTNER

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether						
2 Benzene						
S 3 a,a,a-Trifluorotoluene (S)	8.273	8.273	(0.548)	321887	16.1755	16.2 (M)
4 Toluene						
5 Chlorofluorobenzene	15.083	15.090	(1.000)	2938378	123.000	(M)
6 Ethylbenzene						
7 m,p-Xylene						
8 o-Xylene						
M 9 Xylene (total)						
10 1,3,5-Trimethylbenzene						
11 1,2,4-Trimethylbenzene						
12 Naphthalene						

QC Flag Legend

M - Compound response manually integrated.

Data File: \\i0samba\chem\10gcvl.i\021406a.b/p2-04506.d

Report Date: 02/14/2006

Client ID:

Instrument: 10gcvl.i

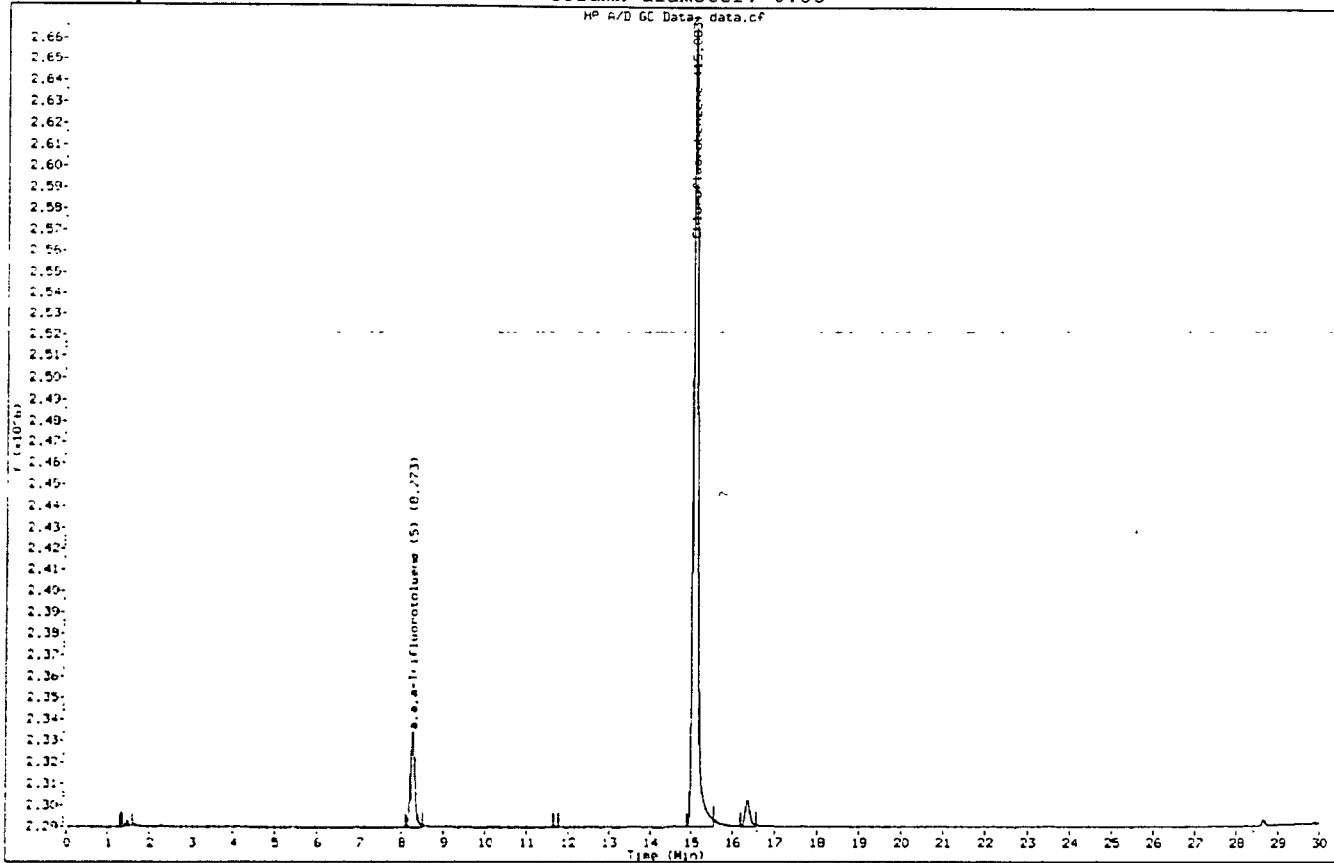
Sample Information: 1027402006

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



Data File: \\10samba\chem\10gcv1.i\021406a.b\f2-04506.d

Page 1

Report Date: 14-Feb-2006 20:26

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv1.i\021406a.b\f2-04506.d

Lab Smp Id: 1027402006

Inj Date : 14-FEB-2006 16:45

Operator : CAN

Inst ID: 10gcv1.i

Smp Info : 1027402006

Misc Info : 2782

Comment :

Method : \\10samba\chem\10gcv1.i\021406a.b\Gro019.m

Meth Date : 14-Feb-2006 14:33 voa

Quant Type: ESTD

Cal Date : 19-JAN-2006 21:40

Cal File: f2-01907.d

Als bottle: 6

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10KLIGHTNER

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GRO						Compound Not Detected.
S 6 Chlorofluorobenzene						Compound Not Detected.

Data File: \\10samba\chem\10gcv1.i\021406a.b/f2-04506.d

Report Date: 02/14/2006

Client ID:

Instrument: 10gcv1.i

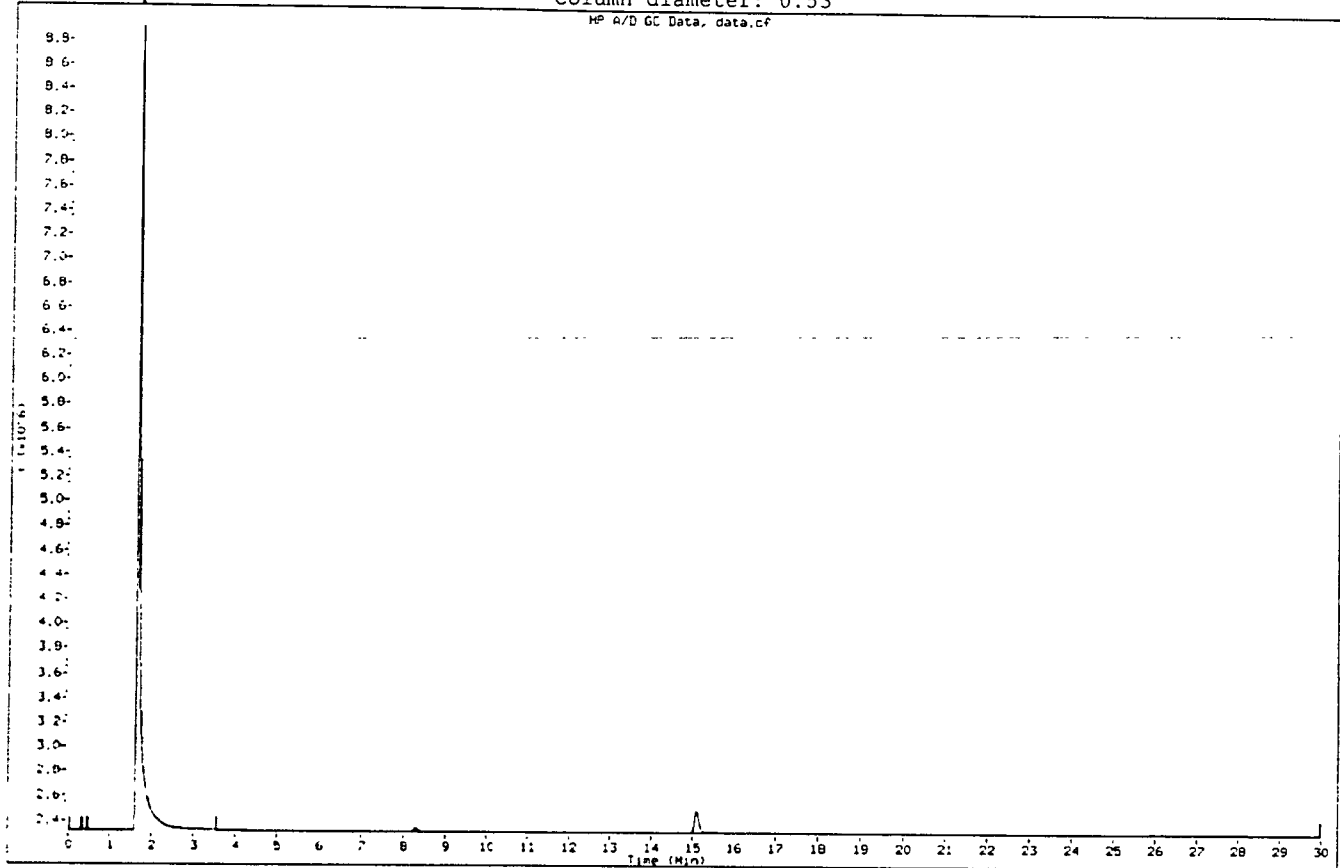
Sample Information: 1027402006

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



March 20, 2006

Scott Hunke
Coteau Environmental
728 Janes Circle Drive SW
Alexandria, MN 56308

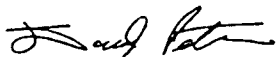
RE: Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

Dear Scott Hunke:

Enclosed are the analytical results for sample(s) received by the laboratory on February 28, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daryl Peterson

daryl.peterson@pacelabs.com
Project Manager

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 28

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



SAMPLE SUMMARY

Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1028496001	VB-1 #536	Air	02/24/06 01:12	02/28/06 17:20
1028496002	VB-2 #334	Air	02/24/06 00:36	02/28/06 17:20
1028496003	VB-3 #276	Air	02/24/06 00:29	02/28/06 17:20
1028496004	VB-4 #033	Air	02/24/06 00:13	02/28/06 17:20
1028496005	VB-5 #1071	Air	02/27/06 00:14	02/28/06 17:20

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



SAMPLE ANALYTE COUNT

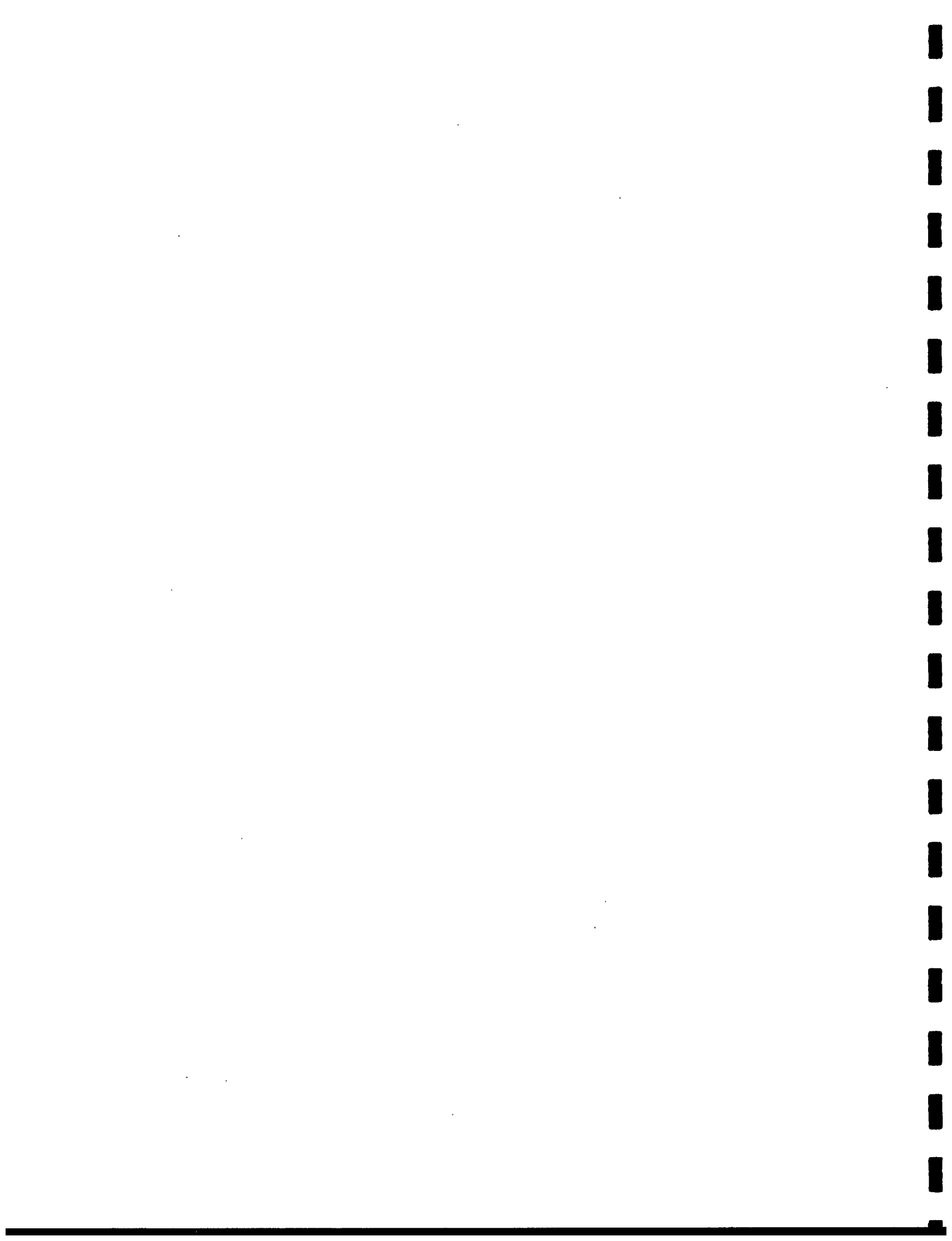
Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

Lab ID	Sample ID	Method	Analytes Reported
1028496001	VB-1 #536	TO-15	58
1028496002	VB-2 #334	TO-14 Source	38
1028496003	VB-3 #276	TO-14 Source	38
1028496004	VB-4 #033	TO-15	58
1028496005	VB-5 #1071	TO-15	58

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..





ANALYTICAL RESULTS

Project: KC'S QWIK STOP BROOTEN,MN
 Pace Project No.: 1028496

Sample: VB-1 #536 Lab ID: 1028496001 Collected: 02/24/06 01:12 Received: 02/28/06 17:20 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	316	ug/m3	14.2	29.6		03/16/06 16:22	67-64-1	
Benzene	95.8	ug/m3	19.2	29.6		03/16/06 16:22	71-43-2	
Bromodichloromethane	ND	ug/m3	41.4	29.6		03/16/06 16:22	75-27-4	
Bromoform	ND	ug/m3	62.2	29.6		03/16/06 16:22	75-25-2	
Bromomethane	ND	ug/m3	23.4	29.6		03/16/06 16:22	74-83-9	
1,3-Butadiene	ND	ug/m3	13.3	29.6		03/16/06 16:22	106-99-0	
2-Butanone (MEK)	ND	ug/m3	17.8	29.6		03/16/06 16:22	78-93-3	
Carbon disulfide	ND	ug/m3	18.6	29.6		03/16/06 16:22	75-15-0	
Carbon tetrachloride	ND	ug/m3	38.5	29.6		03/16/06 16:22	56-23-5	
Chlorobenzene	ND	ug/m3	27.8	29.6		03/16/06 16:22	108-90-7	
Chloroethane	ND	ug/m3	16.0	29.6		03/16/06 16:22	75-00-3	
Chloroform	ND	ug/m3	29.3	29.6		03/16/06 16:22	67-66-3	
Chloromethane	ND	ug/m3	12.4	29.6		03/16/06 16:22	74-87-3	
Cyclohexane	753	ug/m3	20.1	29.6		03/16/06 16:22	110-82-7	
Dibromochloromethane	ND	ug/m3	50.3	29.6		03/16/06 16:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	47.4	29.6		03/16/06 16:22	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	35.5	29.6		03/16/06 16:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	35.5	29.6		03/16/06 16:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	35.5	29.6		03/16/06 16:22	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	29.6	29.6		03/16/06 16:22	75-71-8	
1,1-Dichloroethane	ND	ug/m3	24.3	29.6		03/16/06 16:22	75-34-3	
1,2-Dichloroethane	ND	ug/m3	24.3	29.6		03/16/06 16:22	107-06-2	
1,1-Dichloroethene	ND	ug/m3	24.0	29.6		03/16/06 16:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	24.0	29.6		03/16/06 16:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	24.0	29.6		03/16/06 16:22	156-60-5	
1,2-Dichloropropane	ND	ug/m3	27.8	29.6		03/16/06 16:22	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	27.2	29.6		03/16/06 16:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	27.2	29.6		03/16/06 16:22	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	41.4	29.6		03/16/06 16:22	76-14-2	
Ethyl acetate	ND	ug/m3	21.6	29.6		03/16/06 16:22	141-78-6	
Ethylbenzene	32.2	ug/m3	26.0	29.6		03/16/06 16:22	100-41-4	
4-Ethyltoluene	ND	ug/m3	74.0	29.6		03/16/06 16:22	622-96-8	
n-Heptane	751	ug/m3	24.6	29.6		03/16/06 16:22	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	65.1	29.6		03/16/06 16:22	87-68-3	
n-Hexane	1560	ug/m3	21.3	29.6		03/16/06 16:22	110-54-3	1
2-Hexanone	ND	ug/m3	24.6	29.6		03/16/06 16:22	591-78-6	
Methylene Chloride	ND	ug/m3	21.0	29.6		03/16/06 16:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	24.6	29.6		03/16/06 16:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	21.6	29.6		03/16/06 16:22	1634-04-4	
Naphthalene	ND	ug/m3	79.9	29.6		03/16/06 16:22	91-20-3	
Propylene	146	ug/m3	10.4	29.6		03/16/06 16:22	115-07-1	
Styrene	ND	ug/m3	25.8	29.6		03/16/06 16:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	41.4	29.6		03/16/06 16:22	79-34-5	
Tetrachloroethene	ND	ug/m3	41.4	29.6		03/16/06 16:22	127-18-4	
Tetrahydrofuran	ND	ug/m3	17.8	29.6		03/16/06 16:22	109-99-9	
Toluene	1620	ug/m3	22.8	29.6		03/16/06 16:22	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	29.3	29.6		03/16/06 16:22	120-82-1	

Date: 03/20/2006 05.06 PM

REPORT OF LABORATORY ANALYSIS

Page 4 of 28

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..



ANALYTICAL RESULTS

Project: KC'S QWIK STOP BROOTEN, MN
Pace Project No.: 1028496

Sample: VB-1 #536 Lab ID: 1028496001 Collected: 02/24/06 01:12 Received: 02/28/06 17:20 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	32.6	29.6		03/16/06 16:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	32.6	29.6		03/16/06 16:22	79-00-5	
Trichloroethene	ND	ug/m3	32.6	29.6		03/16/06 16:22	79-01-6	
Trichlorofluoromethane	ND	ug/m3	32.6	29.6		03/16/06 16:22	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	47.4	29.6		03/16/06 16:22	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	74.0	29.6		03/16/06 16:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	74.0	29.6		03/16/06 16:22	108-67-8	
Vinyl acetate	ND	ug/m3	21.0	29.6		03/16/06 16:22	108-05-4	
Vinyl chloride	ND	ug/m3	15.4	29.6		03/16/06 16:22	75-01-4	
m&p-Xylene	102	ug/m3	52.1	29.6		03/16/06 16:22	1330-20-7	
o-Xylene	33.7	ug/m3	26.0	29.6		03/16/06 16:22	95-47-6	

ANALYTICAL RESULTS

Project: KC'S QWIK STOP BROOTEN,MN
 Pace Project No.: 1028496

Sample: VB-2 #334 Lab ID: 1028496002 Collected: 02/24/06 00:36 Received: 02/28/06 17:20 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Source Can		Analytical Method. TO-14 Source						
Benzene	14.6	ppmv	14.3	143		03/13/06 17:25	71-43-2	
Bromomethane	ND	ppmv	0.14	1.43		03/15/06 00:57	74-83-9	
Carbon tetrachloride	ND	ppmv	0.14	1.43		03/15/06 00:57	56-23-5	
Chlorobenzene	ND	ppmv	0.14	1.43		03/15/06 00:57	75-00-3	
Chloroethane	ND	ppmv	0.14	1.43		03/15/06 00:57	108-90-7	
Chloroform	ND	ppmv	0.14	1.43		03/15/06 00:57	75-00-3	
Chloromethane	ND	ppmv	0.14	1.43		03/15/06 00:57	67-66-3	
1,2-Dibromoethane (EDB)	ND	ppmv	0.14	1.43		03/15/06 00:57	74-87-3	
1,2-Dichlorobenzene	ND	ppmv	0.14	1.43		03/15/06 00:57	106-93-4	
1,2-Dichlorobenzene	ND	ppmv	0.19	1.43		03/15/06 00:57	95-50-1	
1,3-Dichlorobenzene	ND	ppmv	0.14	1.43		03/15/06 00:57	541-73-1	
1,4-Dichlorobenzene	ND	ppmv	0.14	1.43		03/15/06 00:57	106-46-7	
Dichlorodifluoromethane	ND	ppmv	0.14	1.43		03/15/06 00:57	75-71-8	2
1,1-Dichloroethane	ND	ppmv	0.14	1.43		03/15/06 00:57	75-34-3	
1,2-Dichloroethane	ND	ppmv	0.14	1.43		03/15/06 00:57	107-06-2	
1,1-Dichloroethene	ND	ppmv	0.14	1.43		03/15/06 00:57	75-35-4	
cis-1,2-Dichloroethene	ND	ppmv	0.14	1.43		03/15/06 00:57	156-59-2	
1,2-Dichloropropane	ND	ppmv	0.14	1.43		03/15/06 00:57	78-87-5	
cis-1,3-Dichloropropene	ND	ppmv	0.14	1.43		03/15/06 00:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ppmv	0.14	1.43		03/15/06 00:57	10061-02-6	
Dichlorotetrafluoroethane	ND	ppmv	0.14	1.43		03/15/06 00:57	76-14-2	
Ethylbenzene	36.5	ppmv	14.3	143		03/13/06 17:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ppmv	0.51	1.43		03/15/06 00:57	87-68-3	
Methylene Chloride	ND	ppmv	0.14	1.43		03/15/06 00:57	75-09-2	
Styrene	ND	ppmv	0.14	1.43		03/15/06 00:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppmv	0.29	1.43		03/15/06 00:57	79-34-5	
Tetrachloroethene	ND	ppmv	0.14	1.43		03/15/06 00:57	127-18-4	
Toluene	8.3	ppmv	0.14	1.43		03/15/06 00:57	108-88-3	3
1,2,4-Trichlorobenzene	ND	ppmv	0.46	1.43		03/15/06 00:57	120-82-1	4
1,1,1-Trichloroethane	ND	ppmv	0.14	1.43		03/15/06 00:57	71-55-6	
1,1,2-Trichloroethane	ND	ppmv	0.14	1.43		03/15/06 00:57	79-00-5	
Trichloroethene	ND	ppmv	0.14	1.43		03/15/06 00:57	79-01-6	
Trichlorofluoromethane	ND	ppmv	0.14	1.43		03/15/06 00:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppmv	0.14	1.43		03/15/06 00:57	76-13-1	
1,2,4-Trimethylbenzene	5.6	ppmv	0.14	1.43		03/15/06 00:57	95-63-6	3
1,3,5-Trimethylbenzene	2.1	ppmv	0.14	1.43		03/15/06 00:57	108-67-8	3
Vinyl chloride	ND	ppmv	0.14	1.43		03/15/06 00:57	75-01-4	
m&p-Xylene	106	ppmv	28.6	143		03/13/06 17:25	1330-20-7	
o-Xylene	ND	ppmv	0.14	1.43		03/15/06 00:57	95-47-6	

ANALYTICAL RESULTS

Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

Sample: VB-3 #276 Lab ID: 1028496003 Collected: 02/24/06 00:29 Received: 02/28/06 17:20 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO14 MSV AIR - Source Can		Analytical Method: TO-14 Source						
Benzene	ND	ppmv	0.13	1.34		03/16/06 19:51	71-43-2	
Bromomethane	ND	ppmv	0.13	1.34		03/16/06 19:51	74-83-9	
Carbon tetrachloride	ND	ppmv	0.13	1.34		03/16/06 19:51	56-23-5	
Chlorobenzene	ND	ppmv	0.13	1.34		03/16/06 19:51	108-90-7	
Chloroethane	ND	ppmv	0.13	1.34		03/16/06 19:51	75-00-3	
Chloroform	ND	ppmv	0.13	1.34		03/16/06 19:51	67-66-3	
Chloromethane	ND	ppmv	0.13	1.34		03/16/06 19:51	74-87-3	
1,2-Dibromoethane (EDB)	ND	ppmv	0.13	1.34		03/16/06 19:51	106-93-4	4
1,2-Dichlorobenzene	ND	ppmv	0.17	1.34		03/16/06 19:51	95-50-1	
1,3-Dichlorobenzene	ND	ppmv	0.13	1.34		03/16/06 19:51	541-73-1	
1,4-Dichlorobenzene	ND	ppmv	0.13	1.34		03/16/06 19:51	106-46-7	
Dichlorodifluoromethane	ND	ppmv	0.13	1.34		03/16/06 19:51	75-71-8	2
1,1-Dichloroethane	ND	ppmv	0.13	1.34		03/16/06 19:51	75-34-3	
1,2-Dichloroethane	ND	ppmv	0.13	1.34		03/16/06 19:51	107-06-2	
1,1-Dichloroethene	ND	ppmv	0.13	1.34		03/16/06 19:51	75-35-4	
cis-1,2-Dichloroethene	ND	ppmv	0.13	1.34		03/16/06 19:51	156-59-2	5
1,2-Dichloropropane	ND	ppmv	0.13	1.34		03/16/06 19:51	78-87-5	
cis-1,3-Dichloropropene	ND	ppmv	0.13	1.34		03/16/06 19:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ppmv	0.13	1.34		03/16/06 19:51	10061-02-6	4
Dichlorotetrafluoroethane	ND	ppmv	0.13	1.34		03/16/06 19:51	76-14-2	
Ethylbenzene	0.47	ppmv	0.13	1.34		03/16/06 19:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ppmv	0.48	1.34		03/16/06 19:51	87-68-3	2
Methylene Chloride	ND	ppmv	0.13	1.34		03/16/06 19:51	75-09-2	
Styrene	ND	ppmv	0.13	1.34		03/16/06 19:51	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ppmv	0.27	1.34		03/16/06 19:51	79-34-5	
Tetrachloroethene	ND	ppmv	0.13	1.34		03/16/06 19:51	127-18-4	
Toluene	0.36	ppmv	0.13	1.34		03/16/06 19:51	108-88-3	
1,2,4-Trichlorobenzene	ND	ppmv	0.43	1.34		03/16/06 19:51	120-82-1	4
1,1,1-Trichloroethane	ND	ppmv	0.13	1.34		03/16/06 19:51	71-55-6	
1,1,2-Trichloroethane	ND	ppmv	0.13	1.34		03/16/06 19:51	79-00-5	
Trichloroethene	ND	ppmv	0.13	1.34		03/16/06 19:51	79-01-6	
Trichlorofluoromethane	ND	ppmv	0.13	1.34		03/16/06 19:51	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ppmv	0.13	1.34		03/16/06 19:51	76-13-1	
1,2,4-Trimethylbenzene	0.24	ppmv	0.13	1.34		03/16/06 19:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ppmv	0.13	1.34		03/16/06 19:51	108-67-8	
Vinyl chloride	ND	ppmv	0.13	1.34		03/16/06 19:51	75-01-4	
m&p-Xylene	1.4	ppmv	0.27	1.34		03/16/06 19:51	1330-20-7	
o-Xylene	0.45	ppmv	0.13	1.34		03/16/06 19:51	95-47-6	

ANALYTICAL RESULTS

Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

Sample: VB-4 #033 Lab ID: 1028496004 Collected: 02/24/06 00:13 Received: 02/28/06 17:20 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	ND	ug/m3	0.64	1.34		03/14/06 02:09	67-64-1	
Benzene	ND	ug/m3	0.87	1.34		03/14/06 02:09	71-43-2	
Bromodichloromethane	ND	ug/m3	1.9	1.34		03/14/06 02:09	75-27-4	
Bromoform	ND	ug/m3	2.8	1.34		03/14/06 02:09	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.34		03/14/06 02:09	74-83-9	
1,3-Butadiene	ND	ug/m3	0.60	1.34		03/14/06 02:09	106-99-0	
2-Butanone (MEK)	ND	ug/m3	0.80	1.34		03/14/06 02:09	78-93-3	
Carbon disulfide	ND	ug/m3	0.84	1.34		03/14/06 02:09	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.7	1.34		03/14/06 02:09	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.34		03/14/06 02:09	108-90-7	
Chloroethane	ND	ug/m3	0.72	1.34		03/14/06 02:09	75-00-3	
Chloroform	ND	ug/m3	1.3	1.34		03/14/06 02:09	67-66-3	
Chloromethane	ND	ug/m3	0.56	1.34		03/14/06 02:09	74-87-3	
Cyclohexane	ND	ug/m3	0.91	1.34		03/14/06 02:09	110-82-7	
Dibromochloromethane	ND	ug/m3	2.3	1.34		03/14/06 02:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.1	1.34		03/14/06 02:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.6	1.34		03/14/06 02:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.6	1.34		03/14/06 02:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.6	1.34		03/14/06 02:09	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.3	1.34		03/14/06 02:09	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.1	1.34		03/14/06 02:09	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.1	1.34		03/14/06 02:09	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.1	1.34		03/14/06 02:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.1	1.34		03/14/06 02:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.1	1.34		03/14/06 02:09	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.34		03/14/06 02:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		03/14/06 02:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		03/14/06 02:09	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.9	1.34		03/14/06 02:09	76-14-2	
Ethyl acetate	ND	ug/m3	0.98	1.34		03/14/06 02:09	141-78-6	
Ethylbenzene	ND	ug/m3	1.2	1.34		03/14/06 02:09	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.4	1.34		03/14/06 02:09	622-96-8	
n-Heptane	ND	ug/m3	1.1	1.34		03/14/06 02:09	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.9	1.34		03/14/06 02:09	87-68-3	
n-Hexane	ND	ug/m3	0.96	1.34		03/14/06 02:09	110-54-3	
2-Hexanone	ND	ug/m3	1.1	1.34		03/14/06 02:09	591-78-6	
Methylene Chloride	ND	ug/m3	0.95	1.34		03/14/06 02:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.1	1.34		03/14/06 02:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	0.98	1.34		03/14/06 02:09	1634-04-4	
Naphthalene	ND	ug/m3	3.6	1.34		03/14/06 02:09	91-20-3	
Propylene	ND	ug/m3	0.47	1.34		03/14/06 02:09	115-07-1	
Styrene	ND	ug/m3	1.2	1.34		03/14/06 02:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.9	1.34		03/14/06 02:09	79-34-5	
Tetrachloroethene	ND	ug/m3	1.9	1.34		03/14/06 02:09	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.80	1.34		03/14/06 02:09	109-99-9	
Toluene	ND	ug/m3	1.0	1.34		03/14/06 02:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.3	1.34		03/14/06 02:09	120-82-1	

Date: 03/20/2006 05:06 PM

REPORT OF LABORATORY ANALYSIS

Page 8 of 28

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



ANALYTICAL RESULTS

Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

Sample: VB-4 #033 Lab ID: 1028496004 Collected: 02/24/06 00:13 Received: 02/28/06 17:20 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.34		03/14/06 02:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.5	1.34		03/14/06 02:09	79-00-5	
Trichloroethene	ND	ug/m3	1.5	1.34		03/14/06 02:09	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.5	1.34		03/14/06 02:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.1	1.34		03/14/06 02:09	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	3.4	1.34		03/14/06 02:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	3.4	1.34		03/14/06 02:09	108-67-8	
Vinyl acetate	ND	ug/m3	0.95	1.34		03/14/06 02:09	108-05-4	
Vinyl chloride	ND	ug/m3	0.70	1.34		03/14/06 02:09	75-01-4	
m&p-Xylene	ND	ug/m3	2.4	1.34		03/14/06 02:09	1330-20-7	
o-Xylene	ND	ug/m3	1.2	1.34		03/14/06 02:09	95-47-6	

ANALYTICAL RESULTS

Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

Sample: VB-5 #1071 Lab ID: 1028496005 Collected: 02/27/06 00:14 Received: 02/28/06 17:20 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	73.3	ug/m3	0.64	1.34		03/16/06 00:47	67-64-1	3
Benzene	9.6	ug/m3	0.87	1.34		03/16/06 00:47	71-43-2	
Bromodichloromethane	ND	ug/m3	1.9	1.34		03/16/06 00:47	75-27-4	
Bromoform	ND	ug/m3	2.8	1.34		03/16/06 00:47	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.34		03/16/06 00:47	74-83-9	
1,3-Butadiene	ND	ug/m3	0.60	1.34		03/16/06 00:47	106-99-0	
2-Butanone (MEK)	29.8	ug/m3	0.80	1.34		03/16/06 00:47	78-93-3	
Carbon disulfide	6.9	ug/m3	0.84	1.34		03/16/06 00:47	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.7	1.34		03/16/06 00:47	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.34		03/16/06 00:47	108-90-7	
Chloroethane	ND	ug/m3	0.72	1.34		03/16/06 00:47	75-00-3	
Chloroform	ND	ug/m3	1.3	1.34		03/16/06 00:47	67-66-3	
Chloromethane	ND	ug/m3	0.56	1.34		03/16/06 00:47	74-87-3	
Cyclohexane	ND	ug/m3	0.91	1.34		03/16/06 00:47	110-82-7	
Dibromochloromethane	ND	ug/m3	2.3	1.34		03/16/06 00:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.1	1.34		03/16/06 00:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.6	1.34		03/16/06 00:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.6	1.34		03/16/06 00:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.6	1.34		03/16/06 00:47	106-46-7	
Dichlorodifluoromethane	3.3	ug/m3	1.3	1.34		03/16/06 00:47	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.1	1.34		03/16/06 00:47	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.1	1.34		03/16/06 00:47	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.1	1.34		03/16/06 00:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.1	1.34		03/16/06 00:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.1	1.34		03/16/06 00:47	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.34		03/16/06 00:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		03/16/06 00:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		03/16/06 00:47	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.9	1.34		03/16/06 00:47	76-14-2	
Ethyl acetate	ND	ug/m3	0.98	1.34		03/16/06 00:47	141-78-6	
Ethylbenzene	76.1	ug/m3	1.2	1.34		03/16/06 00:47	100-41-4	
4-Ethyltoluene	57.0	ug/m3	3.4	1.34		03/16/06 00:47	622-96-8	
n-Heptane	18.8	ug/m3	1.1	1.34		03/16/06 00:47	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.9	1.34		03/16/06 00:47	87-68-3	
n-Hexane	ND	ug/m3	0.96	1.34		03/16/06 00:47	110-54-3	
2-Hexanone	ND	ug/m3	1.1	1.34		03/16/06 00:47	591-78-6	
Methylene Chloride	ND	ug/m3	0.95	1.34		03/16/06 00:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.1	1.34		03/16/06 00:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	0.98	1.34		03/16/06 00:47	1634-04-4	
Naphthalene	8.9	ug/m3	3.6	1.34		03/16/06 00:47	91-20-3	
Propylene	28.7	ug/m3	0.47	1.34		03/16/06 00:47	115-07-1	
Styrene	ND	ug/m3	1.2	1.34		03/16/06 00:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.9	1.34		03/16/06 00:47	79-34-5	
Tetrachloroethene	ND	ug/m3	1.9	1.34		03/16/06 00:47	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.80	1.34		03/16/06 00:47	109-99-9	
Toluene	385	ug/m3	165	214.4		03/17/06 19:59	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.3	1.34		03/16/06 00:47	120-82-1	

Date: 03/20/2006 05.06 PM

REPORT OF LABORATORY ANALYSIS

Page 10 of 28

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



ANALYTICAL RESULTS

Project: KC'S QWIK STOP BROOTEN,MN

Pace Project No.: 1028496

Sample: VB-5 #1071 Lab ID: 1028496005 Collected: 02/27/06 00:14 Received: 02/28/06 17:20 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.34		03/16/06 00:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.5	1.34		03/16/06 00:47	79-00-5	
Trichloroethene	ND	ug/m3	1.5	1.34		03/16/06 00:47	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.5	1.34		03/16/06 00:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.1	1.34		03/16/06 00:47	76-13-1	
1,2,4-Trimethylbenzene	181	ug/m3	3.4	1.34		03/16/06 00:47	95-63-6	3
1,3,5-Trimethylbenzene	62.1	ug/m3	3.4	1.34		03/16/06 00:47	108-67-8	
Vinyl acetate	ND	ug/m3	0.95	1.34		03/16/06 00:47	108-05-4	
Vinyl chloride	ND	ug/m3	0.70	1.34		03/16/06 00:47	75-01-4	
m&p-Xylene	248	ug/m3	2.4	1.34		03/16/06 00:47	1330-20-7	3
o-Xylene	112	ug/m3	1.2	1.34		03/16/06 00:47	95-47-6	

Client: Coteau Environmental
Phone: 320-815-0474

Lab Project Number: 1028496
Project Name: KC'S QWIK STOP BROOTEN,

Lab Sample No 1028496002 ProjSampleNum: 1028496002 Date Collected: 02/24/06 0:36
Client Sample ID: VB-2 #334 Matrix: Air Date Received: 02/28/06 17:20

Parameters	Results	Units	Report Limi	DF	Analyzed	CAS No.	Ftnote
Air							
TO-14 Source							
1,1,1-Trichloroethane	ND	ug/m3	780	1.43	03/15/06 0:57 LCW	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2000	1.43	03/15/06 0:57 LCW	79-34-5	
1,1,2-Trichloroethane	ND	ug/m3	780	1.43	03/15/06 0:57 LCW	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1100	1.43	03/15/06 0:57 LCW	76-13-1	
1,1-Dichloroethane	ND	ug/m3	580	1.43	03/15/06 0:57 LCW	75-34-3	
1,1-Dichloroethene	ND	ug/m3	560	1.43	03/15/06 0:57 LCW	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/m3	3500	1.43	03/15/06 0:57 LCW	120-82-1	4
1,2,4-Trimethylbenzene	28000	ug/m3	700	1.43	03/15/06 0:57 LCW	95-63-6	3
1,2-Dibromoethane (EDB)	ND	ug/m3	1100	1.43	03/15/06 0:57 LCW	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1200	1.43	03/15/06 0:57 LCW	95-50-1	
1,2-Dichloroethane	ND	ug/m3	580	1.43	03/15/06 0:57 LCW	107-06-2	
1,2-Dichloropropane	ND	ug/m3	660	1.43	03/15/06 0:57 LCW	78-87-5	
1,3,5-Trimethylbenzene	10500	ug/m3	700	1.43	03/15/06 0:57 LCW	108-67-8	3
1,3-Dichlorobenzene	ND	ug/m3	860	1.43	03/15/06 0:57 LCW	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	860	1.43	03/15/06 0:57 LCW	106-46-7	
Benzene	47400	ug/m3	46000	143	03/13/06 17:25 LCW	71-43-2	
Bromomethane	ND	ug/m3	550	1.43	03/15/06 0:57 LCW	74-83-9	
Carbon tetrachloride	ND	ug/m3	900	1.43	03/15/06 0:57 LCW	56-23-5	
Chlorobenzene	ND	ug/m3	660	1.43	03/15/06 0:57 LCW	108-90-7	
Chloroethane	ND	ug/m3	380	1.43	03/15/06 0:57 LCW	75-00-3	
Chloroform	ND	ug/m3	690	1.43	03/15/06 0:57 LCW	67-66-3	
Chloromethane	ND	ug/m3	290	1.43	03/15/06 0:57 LCW	74-87-3	
cis-1,2-Dichloroethene	ND	ug/m3	560	1.43	03/15/06 0:57 LCW	156-59-2	
cis-1,3-Dichloropropene	ND	ug/m3	650	1.43	03/15/06 0:57 LCW	10061-01-5	
Dichlorodifluoromethane	ND	ug/m3	700	1.43	03/15/06 0:57 LCW	75-71-8	2
Dichlorotetrafluoroethane	ND	ug/m3	990	1.43	03/15/06 0:57 LCW	76-14-2	
Ethylbenzene	161000	ug/m3	63000	143	03/13/06 17:25 LCW	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/m3	5500	1.43	03/15/06 0:57 LCW	87-68-3	
m&p-Xylene	468000	ug/m3	130000	143	03/13/06 17:25 LCW	1330-20-7	
Methylene Chloride	ND	ug/m3	490	1.43	03/15/06 0:57 LCW	75-09-2	
o-Xylene	ND	ug/m3	620	1.43	03/15/06 0:57 LCW	95-47-6	
Styrene	ND	ug/m3	610	1.43	03/15/06 0:57 LCW	100-42-5	

SUPPLEMENTAL REPORT

Units Conversion Request

Date 3/29/2006

Page 1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Client: Coteau Environmental
Phone: 320-815-0474

Lab Project Number: 1028496

Project Name: KC'S QWIK STOP BROOTEN,

Tetrachloroethene	ND	ug/m3	970	1.43	03/15/06 0:57 LCW	127-18-4	
Toluene	31800	ug/m3	540	1.43	03/15/06 0:57 LCW	108-88-3	3
trans-1,3-Dichloropropene	ND	ug/m3	650	1.43	03/15/06 0:57 LCW	10061-02-6	
Trichloroethene	ND	ug/m3	760	1.43	03/15/06 0:57 LCW	79-01-6	
Trichlorofluoromethane	ND	ug/m3	800	1.43	03/15/06 0:57 LCW	75-69-4	
Vinyl chloride	ND	ug/m3	360	1.43	03/15/06 0:57 LCW	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

SUPPLEMENTAL REPORT

Units Conversion Request

Date 3/29/2006

Page 2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Client: Coteau Environmental
Phone: 320-815-0474

Lab Project Number: 1028496

Project Name: KC'S QWIK STOP BROOTEN,

Lab Sample No. 1028496003
Client Sample ID: VB-3 #276

ProjSampleNum: 1028496003
Matrix: Air

Date Collected: 02/24/06 0:29
Date Received: 02/28/06 17:20

Parameters	Results	Units	Report Limi	DF	Analyzed	CAS No.	Ftnote
Air							
TO-14 Source							
1,1,1-Trichloroethane	ND	ug/m3	720	1.34	03/16/06 19:51 LCW	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1900	1.34	03/16/06 19:51 LCW	79-34-5	
1,1,2-Trichloroethane	ND	ug/m3	720	1.34	03/16/06 19:51 LCW	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1000	1.34	03/16/06 19:51 LCW	76-13-1	
1,1-Dichloroethane	ND	ug/m3	530	1.34	03/16/06 19:51 LCW	75-34-3	
1,1-Dichloroethene	ND	ug/m3	520	1.34	03/16/06 19:51 LCW	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/m3	3200	1.34	03/16/06 19:51 LCW	120-82-1	4
1,2,4-Trimethylbenzene	1200	ug/m3	650	1.34	03/16/06 19:51 LCW	95-63-6	
1,2-Dibromoethane (EDB)	ND	ug/m3	1000	1.34	03/16/06 19:51 LCW	106-93-4	4
1,2-Dichlorobenzene	ND	ug/m3	1000	1.34	03/16/06 19:51 LCW	95-50-1	
1,2-Dichloroethane	ND	ug/m3	530	1.34	03/16/06 19:51 LCW	107-06-2	
1,2-Dichloropropane	ND	ug/m3	610	1.34	03/16/06 19:51 LCW	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/m3	650	1.34	03/16/06 19:51 LCW	108-67-8	
1,3-Dichlorobenzene	ND	ug/m3	790	1.34	03/16/06 19:51 LCW	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	790	1.34	03/16/06 19:51 LCW	106-46-7	
Benzene	ND	ug/m3	420	1.34	03/16/06 19:51 LCW	71-43-2	
Bromomethane	ND	ug/m3	510	1.34	03/16/06 19:51 LCW	74-83-9	
Carbon tetrachloride	ND	ug/m3	830	1.34	03/16/06 19:51 LCW	56-23-5	
Chlorobenzene	ND	ug/m3	610	1.34	03/16/06 19:51 LCW	108-90-7	
Chloroethane	ND	ug/m3	350	1.34	03/16/06 19:51 LCW	75-00-3	
Chloroform	ND	ug/m3	650	1.34	03/16/06 19:51 LCW	67-66-3	
Chloromethane	ND	ug/m3	270	1.34	03/16/06 19:51 LCW	74-87-3	
cis-1,2-Dichloroethene	ND	ug/m3	520	1.34	03/16/06 19:51 LCW	156-59-2	5
cis-1,3-Dichloropropene	ND	ug/m3	600	1.34	03/16/06 19:51 LCW	10061-01-5	
Dichlorodifluoromethane	ND	ug/m3	650	1.34	03/16/06 19:51 LCW	75-71-8	2
Dichlorotetrafluoroethane	ND	ug/m3	920	1.34	03/16/06 19:51 LCW	76-14-2	
Ethylbenzene	2070	ug/m3	570	1.34	03/16/06 19:51 LCW	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/m3	5200	1.34	03/16/06 19:51 LCW	87-68-3	2
m&p-Xylene	6180	ug/m3	1200	1.34	03/16/06 19:51 LCW	1330-20-7	
Methylene Chloride	ND	ug/m3	460	1.34	03/16/06 19:51 LCW	75-09-2	
o-Xylene	1990	ug/m3	570	1.34	03/16/06 19:51 LCW	95-47-6	
Styrene	ND	ug/m3	560	1.34	03/16/06 19:51 LCW	100-42-5	

SUPPLEMENTAL REPORT

Units Conversion Request

Date 3/29/2006

Page 3

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Client: Coteau Environmental
Phone: 320-815-0474

Lab Project Number: 1028496

Project Name: KC'S QWIK STOP BROOTEN,

Tetrachloroethene	ND	ug/m3	900	1.34	03/16/06 19:51 LCW	127-18-4
Toluene	1380	ug/m3	500	1.34	03/16/06 19:51 LCW	108-88-3
trans-1,3-Dichloropropene	ND	ug/m3	600	1.34	03/16/06 19:51 LCW	10061-02-6 4
Trichloroethene	ND	ug/m3	710	1.34	03/16/06 19:51 LCW	79-01-6
Trichlorofluoromethane	ND	ug/m3	740	1.34	03/16/06 19:51 LCW	75-69-4
Vinyl chloride	ND	ug/m3	340	1.34	03/16/06 19:51 LCW	75-01-4

DISCLAIMER. These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

SUPPLEMENTAL REPORT

Units Conversion Request

Date 3/29/2006

Page 4

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Client: Coteau Environmental
Phone: 320-815-0474

Lab Project Number: 1028496
Project Name: KC'S QWIK STOP BROOTEN,

PARAMETER FOOTNOTES

- ND Not detected at or above adjusted reporting limit
- NC Not Calculable
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- [1] Analyte is found in the associated method blank as well as in the sample (CLP B-Flag).
- [2] The continuing calibration for this compound is outside of method control limits. The result for this compound should be considered an estimation.
- [3] Compound concentration exceeds the upper calibration range of the instrument. The reported result is an estimation (CLP E-Flag).
- [4] The initial calibration for this compound is outside of method control limits. The result for this compound is an estimation.
- [5] Result for this analyte was below the acceptable LCS recovery limit. Results for this analyte in associated samples may be biased low.

SUPPLEMENTAL REPORT
Units Conversion Request

Date 3/29/2006

Page 5

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



ANALYTICAL RESULTS QUALIFIERS

Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

PARAMETER QUALIFIERS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate.

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

ANALYTE QUALIFIERS

- [1] Analyte is found in the associated method blank as well as in the sample (CLP B-Flag).
- [2] The continuing calibration for this compound is outside of method control limits. The result for this compound should be considered an estimation.
- [3] Compound concentration exceeds the upper calibration range of the instrument. The reported result is an estimation (CLP E-Flag).
- [4] The initial calibration for this compound is outside of method control limits. The result for this compound is an estimation.
- [5] Result for this analyte was below the acceptable LCS recovery limit. Results for this analyte in associated samples may be biased low.

QUALITY CONTROL DATA

Project: KC'S QWIK STOP BROOTEN,MN

Pace Project No.: 1028496

QC Batch: AIR/3586

Analysis Method: TO-14 Source

QC Batch Method: TO-14 Source

Analysis Description: TO14 MSV AIR - SOURCE CAN

Associated Lab Samples: 1028496002

METHOD BLANK. 196989

Associated Lab Samples: 1028496002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1-Dichloroethane	ppmv	ND	0.10	
1,1-Dichloroethene	ppmv	ND	0.10	
1,1,1-Trichloroethane	ppmv	ND	0.10	
1,1,2-Trichloroethane	ppmv	ND	0.10	
1,1,2,2-Tetrachloroethane	ppmv	ND	0.20	
1,2,4-Trichlorobenzene	ppmv	ND	0.32	3
1,2-Dichlorobenzene	ppmv	ND	0.13	
1,2-Dichloroethane	ppmv	ND	0.10	
1,2-Dibromoethane (EDB)	ppmv	ND	0.10	
1,2-Dichloropropane	ppmv	ND	0.10	
1,2,4-Trimethylbenzene	ppmv	ND	0.10	
1,3-Dichlorobenzene	ppmv	ND	0.10	
1,3,5-Trimethylbenzene	ppmv	ND	0.10	
1,4-Dichlorobenzene	ppmv	ND	0.10	
Dichlorotetrafluoroethane	ppmv	ND	0.10	
Benzene	ppmv	ND	0.10	
Bromomethane	ppmv	ND	0.10	
cis-1,2-Dichloroethene	ppmv	ND	0.10	
cis-1,3-Dichloropropene	ppmv	ND	0.10	
Carbon tetrachloride	ppmv	ND	0.10	
Chlorobenzene	ppmv	ND	0.10	
Chloroethane	ppmv	ND	0.10	
Chloroform	ppmv	ND	0.10	
Chloromethane	ppmv	ND	0.10	
Dichlorodifluoromethane	ppmv	ND	0.10	2
Ethylbenzene	ppmv	ND	0.10	
Hexachloro-1,3-butadiene	ppmv	ND	0.36	
Methylene Chloride	ppmv	ND	0.10	
m&p-Xylene	ppmv	ND	0.20	
o-Xylene	ppmv	ND	0.10	
Styrene	ppmv	ND	0.10	
trans-1,3-Dichloropropene	ppmv	ND	0.10	
Tetrachloroethene	ppmv	ND	0.10	
1,1,2-Trichlorotrifluoroethane	ppmv	ND	0.10	
Toluene	ppmv	ND	0.10	
Trichloroethene	ppmv	ND	0.10	
Trichlorofluoromethane	ppmv	ND	0.10	
Vinyl chloride	ppmv	ND	0.10	

Date: 03/20/2006 05.06 PM

REPORT OF LABORATORY ANALYSIS

Page 13 of 28

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

LABORATORY CONTROL SAMPLE: 196990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ppmv	.52	0.54	105	68-139	
1,1-Dichloroethene	ppmv	.52	0.59	114	68-142	
1,1,1-Trichloroethane	ppmv	.5	0.53	105	64-141	
1,1,2-Trichloroethane	ppmv	.52	0.55	106	60-139	
1,1,2,2-Tetrachloroethane	ppmv	.52	0.62	120	50-150	
1,2,4-Trichlorobenzene	ppmv	.54	1.4	249	50-150	3
1,2-Dichlorobenzene	ppmv	.52	0.48	92	50-150	
1,2-Dichloroethane	ppmv	.54	0.57	106	68-137	
1,2-Dibromoethane (EDB)	ppmv	.55	0.52	95	56-137	
1,2-Dichloropropane	ppmv	.51	0.51	100	63-137	
1,2,4-Trimethylbenzene	ppmv	.52	0.66	126	50-150	
1,3-Dichlorobenzene	ppmv	.53	0.56	106	50-150	
1,3,5-Tmmethylbenzene	ppmv	.54	0.61	113	50-150	
1,4-Dichlorobenzene	ppmv	.54	0.54	101	50-150	
Dichlorotetrafluoroethane	ppmv	.49	0.49	101	59-144	
Benzene	ppmv	.52	0.47	91	65-141	
Bromomethane	ppmv	.51	0.54	105	68-145	
cis-1,2-Dichloroethene	ppmv	.54	0.55	102	73-139	
cis-1,3-Dichloropropene	ppmv	.53	0.54	103	53-138	
Carbon tetrachloride	ppmv	.52	0.53	102	61-140	
Chlorobenzene	ppmv	.54	0.53	99	61-136	
Chloroethane	ppmv	.49	0.48	97	50-150	
Chloroform	ppmv	.5	0.53	106	64-141	
Chloromethane	ppmv	.52	0.52	101	62-143	
Dichlorodifluoromethane	ppmv	.46	0.85	184	58-147	2
Ethylbenzene	ppmv	.53	0.59	111	62-142	
Hexachloro-1,3-butadiene	ppmv	.54	0.55	102	50-150	
Methylene Chloride	ppmv	.54	0.52	98	70-139	
m&p-Xylene	ppmv	1.1	1.2	107	60-140	
o-Xylene	ppmv	.55	0.53	97	57-140	
Styrene	ppmv	.54	0.55	103	50-150	
trans-1,3-Dichloropropene	ppmv	.54	0.53	99	50-142	
Tetrachloroethene	ppmv	.52	0.54	103	67-139	
1,1,2-Trichlorotrifluoroethane	ppmv	.52	0.51	99	60-145	
Toluene	ppmv	.52	0.49	95	62-142	
Trichloroethene	ppmv	.52	0.50	98	66-141	
Trichlorofluoromethane	ppmv	.52	0.48	92	58-145	
Vinyl chloride	ppmv	.47	0.49	105	75-142	

QUALITY CONTROL DATA

Project: KC'S QWIK STOP BROOTEN,MN

Pace Project No.: 1028496

QC Batch: AIR/3590

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Associated Lab Samples: 1028496004

METHOD BLANK: 197303

Associated Lab Samples: 1028496004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1-Dichloroethane	ug/m3	ND	0.82	
1,1-Dichloroethene	ug/m3	ND	0.81	
1,1,1-Trichloroethane	ug/m3	ND	1.1	
1,1,2-Trichloroethane	ug/m3	ND	1.1	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	
1,2-Dichlorobenzene	ug/m3	ND	1.2	
1,2-Dichloroethane	ug/m3	ND	0.82	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	
1,2-Dichloropropane	ug/m3	ND	0.94	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	
1,3-Butadiene	ug/m3	ND	0.45	
1,3-Dichlorobenzene	ug/m3	ND	1.2	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	
1,4-Dichlorobenzene	ug/m3	ND	1.2	
2-Butanone (MEK)	ug/m3	ND	0.60	
2-Hexanone	ug/m3	ND	0.83	
4-Ethyltoluene	ug/m3	ND	2.5	
Carbon disulfide	ug/m3	ND	0.63	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	
Acetone	ug/m3	ND	0.48	
Benzene	ug/m3	ND	0.65	
Bromodichloromethane	ug/m3	ND	1.4	
Bromomethane	ug/m3	ND	0.79	
Bromoform	ug/m3	ND	2.1	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	
Carbon tetrachloride	ug/m3	ND	1.3	
Cyclohexane	ug/m3	ND	0.68	
Chlorobenzene	ug/m3	ND	0.94	
Chloroethane	ug/m3	ND	0.54	
Chloroform	ug/m3	ND	0.99	
Chloromethane	ug/m3	ND	0.42	
Dibromochloromethane	ug/m3	ND	1.7	
Dichlorodifluoromethane	ug/m3	ND	1.0	
Ethyl acetate	ug/m3	ND	0.73	
Ethylbenzene	ug/m3	ND	0.88	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	
Methylene Chloride	ug/m3	ND	0.71	
Methyl-tert-butyl ether	ug/m3	ND	0.73	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	
m&p-Xylene	ug/m3	ND	1.8	
Naphthalene	ug/m3	ND	2.7	

Date: 03/20/2006 05:06 PM

REPORT OF LABORATORY ANALYSIS

Page 15 of 28

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

METHOD BLANK: 197303

Associated Lab Samples: 1028496004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
n-Heptane	ug/m3	ND	0.83	
n-Hexane	ug/m3	ND	0.72	
o-Xylene	ug/m3	ND	0.88	
Propylene	ug/m3	ND	0.35	
Styrene	ug/m3	ND	0.87	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	
Tetrachloroethene	ug/m3	ND	1.4	
Tetrahydrofuran	ug/m3	ND	0.60	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	
Toluene	ug/m3	ND	0.77	
Trichloroethene	ug/m3	ND	1.1	
Trichlorofluoromethane	ug/m3	ND	1.1	
Vinyl acetate	ug/m3	ND	0.71	
Vinyl chloride	ug/m3	ND	0.52	

LABORATORY CONTROL SAMPLE: 197304

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/m3	43.6	40.3	92	59-136	
1,1-Dichloroethene	ug/m3	41.9	38.9	93	60-137	
1,1,1-Trichloroethane	ug/m3	58.3	54.8	94	60-134	
1,1,2-Trichloroethane	ug/m3	59.4	51.4	87	64-129	
1,1,2,2-Tetrachloroethane	ug/m3	74	72.7	98	55-141	
1,2,4-Trichlorobenzene	ug/m3	80.6	80.2	100	50-150	
1,2-Dichlorobenzene	ug/m3	64.8	64.7	100	60-139	
1,2-Dichloroethane	ug/m3	43.6	42.3	97	56-141	
1,2-Dibromoethane (EDB)	ug/m3	82.8	80.7	97	61-136	
1,2-Dichloropropane	ug/m3	49.4	44.7	90	57-131	
1,2,4-Trimethylbenzene	ug/m3	53	51.2	97	63-137	
1,3-Butadiene	ug/m3	24.3	21.8	90	53-140	
1,3-Dichlorobenzene	ug/m3	67.3	64.0	95	59-136	
1,3,5-Trimethylbenzene	ug/m3	52.5	52.7	100	61-134	
1,4-Dichlorobenzene	ug/m3	64.2	58.9	92	59-130	
2-Butanone (MEK)	ug/m3	32.4	33.0	102	54-133	
2-Hexanone	ug/m3	45.8	44.3	97	54-139	
4-Ethyltoluene	ug/m3	55	55.4	101	61-138	
Carbon disulfide	ug/m3	33.3	34.6	104	50-150	
Dichlorotetrafluoroethane	ug/m3	71.8	65.7	91	59-130	
Acetone	ug/m3	24.4	20.9	86	50-139	
Benzene	ug/m3	34.4	29.7	86	64-125	
Bromodichloromethane	ug/m3	70.9	71.3	101	61-131	
Bromomethane	ug/m3	40.3	35.8	89	55-135	
Bromoform	ug/m3	110	110	100	66-138	
cis-1,2-Dichloroethene	ug/m3	42.7	40.0	94	62-135	

Date: 03/20/2006 05.06 PM

REPORT OF LABORATORY ANALYSIS

Page 16 of 28

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..





QUALITY CONTROL DATA

Project: KC'S QWIK STOP BROOTEN,MN
 Pace Project No.: 1028496

LABORATORY CONTROL SAMPLE: 197304

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/m3	48.9	49.6	101	64-133	
Carbon tetrachloride	ug/m3	67.8	66.0	97	58-135	
Cyclohexane	ug/m3	35.7	29.0	81	54-139	
Chlorobenzene	ug/m3	49.6	43.7	88	62-139	
Chloroethane	ug/m3	27.1	24.3	90	56-140	
Chloroform	ug/m3	48.7	44.8	92	50-150	
Chloromethane	ug/m3	21	18.8	89	56-144	
Dibromochloromethane	ug/m3	95.3	104	109	50-150	
Dichlorodifluoromethane	ug/m3	50.8	44.4	87	60-130	
Ethyl acetate	ug/m3	35.9	36.5	101	60-132	
Ethylbenzene	ug/m3	46.4	44.3	96	65-140	
Hexachloro-1,3-butadiene	ug/m3	115	111	96	50-150	
Methylene Chloride	ug/m3	37.1	36.7	99	56-138	
Methyl-ter-butyl ether	ug/m3	38.1	36.9	97	50-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	45.8	44.6	97	53-139	
m&p-Xylene	ug/m3	92.7	87.2	94	60-132	
Naphthalene	ug/m3	55.4	54.6	98	70-130	
n-Heptane	ug/m3	43.3	38.5	89	62-135	
n-Hexane	ug/m3	35.8	30.8	86	62-134	
o-Xylene	ug/m3	46.8	45.9	98	64-132	
Propylene	ug/m3	18.4	18.4	100	56-125	
Styrene	ug/m3	45.9	45.7	100	69-134	
trans-1,2-Dichloroethene	ug/m3	39.9	35.8	90	50-150	
trans-1,3-Dichloropropene	ug/m3	50.8	55.1	109	70-142	
Tetrachloroethene	ug/m3	67.6	63.1	93	60-137	
Tetrahydrofuran	ug/m3	31.5	30.5	97	52-139	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	75.1	92	55-137	
Toluene	ug/m3	41	36.6	89	69-130	
Trichloroethene	ug/m3	56.8	49.6	87	60-134	
Trichlorofluoromethane	ug/m3	57.7	51.7	90	56-141	
Vinyl acetate	ug/m3	38.3	39.1	102	61-142	
Vinyl chloride	ug/m3	26.3	24.3	93	66-132	

QUALITY CONTROL DATA

Project: KC'S QWIK STOP BROOTEN,MN
 Pace Project No.: 1028496

QC Batch: AIR/3594 Analysis Method: TO-15
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
 Associated Lab Samples: 1028496005

METHOD BLANK: 197628
 Associated Lab Samples: 1028496005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1-Dichloroethane	ug/m3	ND	0.82	
1,1-Dichloroethene	ug/m3	ND	0.81	
1,1,1-Trichloroethane	ug/m3	ND	1.1	
1,1,2-Trichloroethane	ug/m3	ND	1.1	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	
1,2-Dichlorobenzene	ug/m3	ND	1.2	
1,2-Dichloroethane	ug/m3	ND	0.82	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	
1,2-Dichloropropane	ug/m3	ND	0.94	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	
1,3-Butadiene	ug/m3	ND	0.45	
1,3-Dichlorobenzene	ug/m3	ND	1.2	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	
1,4-Dichlorobenzene	ug/m3	ND	1.2	
2-Butanone (MEK)	ug/m3	ND	0.60	
2-Hexanone	ug/m3	ND	0.83	
4-Ethyltoluene	ug/m3	ND	2.5	
Carbon disulfide	ug/m3	ND	0.63	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	
Acetone	ug/m3	ND	0.48	
Benzene	ug/m3	ND	0.65	
Bromodichloromethane	ug/m3	ND	1.4	
Bromomethane	ug/m3	ND	0.79	
Bromoform	ug/m3	ND	2.1	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	
Carbon tetrachloride	ug/m3	ND	1.3	
Cyclohexane	ug/m3	ND	0.68	
Chlorobenzene	ug/m3	ND	0.94	
Chloroethane	ug/m3	ND	0.54	
Chloroform	ug/m3	ND	0.99	
Chloromethane	ug/m3	ND	0.42	
Dibromochloromethane	ug/m3	ND	1.7	
Dichlorodifluoromethane	ug/m3	ND	1.0	
Ethyl acetate	ug/m3	ND	0.73	
Ethylbenzene	ug/m3	ND	0.88	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	
Methylene Chloride	ug/m3	ND	0.71	
Methyl-tert-butyl ether	ug/m3	ND	0.73	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	
m&p-Xylene	ug/m3	ND	1.8	
Naphthalene	ug/m3	ND	2.7	

Date: 03/20/2006 05:06 PM

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: KC'S QWIK STOP BROOTEN,MN

Pace Project No.: 1028496

METHOD BLANK: 197628

Associated Lab Samples: 1028496005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
n-Heptane	ug/m3	ND	0.83	
n-Hexane	ug/m3	ND	0.72	
o-Xylene	ug/m3	ND	0.88	
Propylene	ug/m3	ND	0.35	
Styrene	ug/m3	ND	0.87	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	
Tetrachloroethene	ug/m3	ND	1.4	
Tetrahydrofuran	ug/m3	ND	0.60	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	
Toluene	ug/m3	ND	0.77	
Trichloroethene	ug/m3	ND	1.1	
Trichlorofluoromethane	ug/m3	ND	1.1	
Vinyl acetate	ug/m3	ND	0.71	
Vinyl chloride	ug/m3	ND	0.52	

LABORATORY CONTROL SAMPLE: 197629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/m3	43.6	43.0	99	59-136	
1,1-Dichloroethene	ug/m3	41.9	43.2	103	60-137	
1,1,1-Trichloroethane	ug/m3	58.3	59.7	102	60-134	
1,1,2-Trichloroethane	ug/m3	59.4	56.7	95	64-129	
1,1,2,2-Tetrachloroethane	ug/m3	74	69.8	94	55-141	
1,2,4-Trichlorobenzene	ug/m3	80.6	91.6	114	50-150	
1,2-Dichlorobenzene	ug/m3	64.8	67.1	104	60-139	
1,2-Dichloroethane	ug/m3	43.6	44.9	103	56-141	
1,2-Dibromoethane (EDB)	ug/m3	82.8	83.6	101	61-136	
1,2-Dichloropropane	ug/m3	49.4	48.4	98	57-131	
1,2,4-Trimethylbenzene	ug/m3	53	58.9	111	63-137	
1,3-Butadiene	ug/m3	24.3	22.5	92	53-140	
1,3-Dichlorobenzene	ug/m3	67.3	69.7	104	59-136	
1,3,5-Trimethylbenzene	ug/m3	52.5	60.1	114	61-134	
1,4-Dichlorobenzene	ug/m3	64.2	64.1	100	59-130	
2-Butanone (MEK)	ug/m3	32.4	32.5	100	54-133	
2-Hexanone	ug/m3	45.8	50.6	110	54-139	
4-Ethyltoluene	ug/m3	55	62.6	114	61-138	
Carbon disulfide	ug/m3	33.3	34.9	105	50-150	
Dichlorotetrafluoroethane	ug/m3	71.8	67.9	95	59-130	
Acetone	ug/m3	24.4	23.4	96	50-139	
Benzene	ug/m3	34.4	33.7	98	64-125	
Bromodichloromethane	ug/m3	70.9	73.4	104	61-131	
Bromomethane	ug/m3	40.3	32.9	82	55-135	
Bromoform	ug/m3	110	122	111	66-138	
cis-1,2-Dichloroethene	ug/m3	42.7	44.1	103	62-135	

Date: 03/20/2006 05:06 PM

REPORT OF LABORATORY ANALYSIS

Page 19 of 28

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



QUALITY CONTROL DATA

Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

LABORATORY CONTROL SAMPLE: 197629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/m3	48.9	53.4	109	64-133	
Carbon tetrachloride	ug/m3	67.8	69.7	103	58-135	
Cyclohexane	ug/m3	35.7	36.9	103	54-139	
Chlorobenzene	ug/m3	49.6	47.1	95	62-139	
Chloroethane	ug/m3	27.1	23.0	85	56-140	
Chloroform	ug/m3	48.7	47.5	98	50-150	
Chloromethane	ug/m3	21	21.1	100	56-144	
Dibromochloromethane	ug/m3	95.3	96.8	102	50-150	
Dichlorodifluoromethane	ug/m3	50.8	50.1	99	60-130	
Ethyl acetate	ug/m3	35.9	38.7	108	60-132	
Ethylbenzene	ug/m3	46.4	50.4	109	65-140	
Hexachloro-1,3-butadiene	ug/m3	115	127	110	50-150	
Methylene Chloride	ug/m3	37.1	35.5	96	56-138	
Methyl-tert-butyl ether	ug/m3	38.1	41.6	109	50-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	45.8	50.7	111	53-139	
m&p-Xylene	ug/m3	92.7	97.6	105	60-132	
Naphthalene	ug/m3	55.4	65.8	119	70-130	
n-Heptane	ug/m3	43.3	47.3	109	62-135	
n-Hexane	ug/m3	35.8	29.8	83	62-134	
o-Xylene	ug/m3	46.8	51.1	109	64-132	
Propylene	ug/m3	18.4	18.6	101	56-125	
Styrene	ug/m3	45.9	51.4	112	69-134	
trans-1,2-Dichloroethene	ug/m3	39.9	40.4	101	50-150	
trans-1,3-Dichloropropene	ug/m3	50.8	50.4	99	70-142	
Tetrachloroethene	ug/m3	67.6	66.7	99	60-137	
Tetrahydrofuran	ug/m3	31.5	34.8	111	52-139	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	79.2	97	55-137	
Toluene	ug/m3	41	41.1	100	69-130	
Trichloroethene	ug/m3	56.8	58.3	103	60-134	
Trichlorofluoromethane	ug/m3	57.7	62.8	109	56-141	
Vinyl acetate	ug/m3	38.3	42.4	111	61-142	
Vinyl chloride	ug/m3	26.3	24.0	91	66-132	

QUALITY CONTROL DATA

Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

QC Batch: AIR/3597 Analysis Method: TO-14 Source
QC Batch Method: TO-14 Source Analysis Description: TO14 MSV AIR - SOURCE CAN
Associated Lab Samples: 1028496003

METHOD BLANK: 197820
Associated Lab Samples: 1028496003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1-Dichloroethane	ppmv	ND	0.10	
1,1-Dichloroethene	ppmv	ND	0.10	
1,1,1-Trichloroethane	ppmv	ND	0.10	
1,1,2-Trichloroethane	ppmv	ND	0.10	
1,1,2,2-Tetrachloroethane	ppmv	ND	0.20	
1,2,4-Trichlorobenzene	ppmv	ND	0.32	3
1,2-Dichlorobenzene	ppmv	ND	0.13	
1,2-Dichloroethane	ppmv	ND	0.10	
1,2-Dibromoethane (EDB)	ppmv	ND	0.10	3
1,2-Dichloropropane	ppmv	ND	0.10	
1,2,4-Trimethylbenzene	ppmv	ND	0.10	
1,3-Dichlorobenzene	ppmv	ND	0.10	
1,3,5-Trimethylbenzene	ppmv	ND	0.10	
1,4-Dichlorobenzene	ppmv	ND	0.10	
Dichlorotetrafluoroethane	ppmv	ND	0.10	
Benzene	ppmv	ND	0.10	
Bromomethane	ppmv	ND	0.10	
cis-1,2-Dichloroethene	ppmv	ND	0.10	4
cis-1,3-Dichloropropene	ppmv	ND	0.10	
Carbon tetrachloride	ppmv	ND	0.10	
Chlorobenzene	ppmv	ND	0.10	
Chloroethane	ppmv	ND	0.10	
Chloroform	ppmv	ND	0.10	
Chloromethane	ppmv	ND	0.10	
Dichlorodifluoromethane	ppmv	ND	0.10	2
Ethylbenzene	ppmv	ND	0.10	
Hexachloro-1,3-butadiene	ppmv	ND	0.36	2
Methylene Chloride	ppmv	ND	0.10	
m&p-Xylene	ppmv	ND	0.20	
o-Xylene	ppmv	ND	0.10	
Styrene	ppmv	ND	0.10	
trans-1,3-Dichloropropene	ppmv	ND	0.10	3
Tetrachloroethene	ppmv	ND	0.10	
1,1,2-Trichlorotrifluoroethane	ppmv	ND	0.10	
Toluene	ppmv	ND	0.10	
Trichloroethene	ppmv	ND	0.10	
Trichlorofluoromethane	ppmv	ND	0.10	
Vinyl chloride	ppmv	ND	0.10	

QUALITY CONTROL DATA

Project: KC'S QWIK STOP BROOTEN,MN
 Pace Project No.: 1028496

LABORATORY CONTROL SAMPLE: 197821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ppmv	.52	0.39	76	68-139	
1,1-Dichloroethene	ppmv	.52	0.43	83	68-142	
1,1,1-Trichloroethane	ppmv	.5	0.42	82	64-141	
1,1,2-Trichloroethane	ppmv	.52	0.40	76	60-139	
1,1,2,2-Tetrachloroethane	ppmv	.52	0.59	115	50-150	
1,2,4-Trichlorobenzene	ppmv	.54	2.3	418	50-150	3
1,2-Dichlorobenzene	ppmv	.52	0.60	116	50-150	
1,2-Dichloroethane	ppmv	.54	0.44	83	68-137	
1,2-Dibromoethane (EDB)	ppmv	.55	0.49	89	56-137	3
1,2-Dichloropropane	ppmv	.51	0.41	81	63-137	
1,2,4-Trimethylbenzene	ppmv	.52	0.50	95	50-150	
1,3-Dichlorobenzene	ppmv	.53	0.51	97	50-150	
1,3,5-Trimethylbenzene	ppmv	.54	0.47	88	50-150	
1,4-Dichlorobenzene	ppmv	.54	0.62	116	50-150	
Dichlorotetrafluoroethane	ppmv	.49	0.43	87	59-144	
Benzene	ppmv	.52	0.44	85	65-141	
Bromomethane	ppmv	.51	0.45	88	68-145	
cis-1,2-Dichloroethene	ppmv	.54	0.39	71	73-139	4
cis-1,3-Dichloropropene	ppmv	.53	0.45	84	53-138	
Carbon tetrachloride	ppmv	.52	0.42	81	61-140	
Chlorobenzene	ppmv	.54	0.46	85	61-136	
Chloroethane	ppmv	.49	0.45	92	50-150	
Chloroform	ppmv	.5	0.45	89	64-141	
Chloromethane	ppmv	.52	0.38	73	62-143	
Dichlorodifluoromethane	ppmv	.46	0.34	73	58-147	2
Ethylbenzene	ppmv	.53	0.48	90	62-142	
Hexachloro-1,3-butadiene	ppmv	.54	1.0	190	50-150	2
Methylene Chloride	ppmv	.54	0.39	73	70-139	
m&p-Xylene	ppmv	1.1	0.88	82	60-140	
o-Xylene	ppmv	.55	0.43	79	57-140	
Styrene	ppmv	.54	0.49	92	50-150	
trans-1,3-Dichloropropene	ppmv	.54	0.58	108	50-142	3
Tetrachloroethene	ppmv	.52	0.38	73	67-139	
1,1,2-Trichlorotrifluoroethane	ppmv	.52	0.40	77	60-145	
Toluene	ppmv	.52	0.40	77	62-142	
Trichloroethene	ppmv	.52	0.41	80	66-141	
Trichlorofluoromethane	ppmv	.52	0.39	74	58-145	
Vinyl chloride	ppmv	.47	0.46	99	75-142	



QUALITY CONTROL DATA

Project: KC'S QWIK STOP BROOTEN,MN
 Pace Project No.: 1028496

QC Batch: AIR/3600 Analysis Method: TO-15
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
 Associated Lab Samples: 1028496001

METHOD BLANK: 198166
 Associated Lab Samples: 1028496001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1-Dichloroethane	ug/m3	ND	0.82	
1,1-Dichloroethene	ug/m3	ND	0.81	
1,1,1-Trichloroethane	ug/m3	ND	1.1	
1,1,2-Trichloroethane	ug/m3	ND	1.1	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	
1,2-Dichlorobenzene	ug/m3	ND	1.2	
1,2-Dichloroethane	ug/m3	ND	0.82	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	
1,2-Dichloropropane	ug/m3	ND	0.94	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	
1,3-Butadiene	ug/m3	ND	0.45	
1,3-Dichlorobenzene	ug/m3	ND	1.2	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	
1,4-Dichlorobenzene	ug/m3	ND	1.2	
2-Butanone (MEK)	ug/m3	ND	0.60	
2-Hexanone	ug/m3	ND	0.83	
4-Ethyltoluene	ug/m3	ND	2.5	
Carbon disulfide	ug/m3	ND	0.63	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	
Acetone	ug/m3	ND	0.48	
Benzene	ug/m3	ND	0.65	
Bromodichloromethane	ug/m3	ND	1.4	
Bromomethane	ug/m3	ND	0.79	
Bromoform	ug/m3	ND	2.1	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	
Carbon tetrachloride	ug/m3	ND	1.3	
Cyclohexane	ug/m3	ND	0.68	
Chlorobenzene	ug/m3	ND	0.94	
Chloroethane	ug/m3	ND	0.54	
Chloroform	ug/m3	ND	0.99	
Chloromethane	ug/m3	ND	0.42	
Dibromochloromethane	ug/m3	ND	1.7	
Dichlorodifluoromethane	ug/m3	ND	1.0	
Ethyl acetate	ug/m3	ND	0.73	
Ethylbenzene	ug/m3	ND	0.88	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	
Methylene Chloride	ug/m3	9.5	0.71	1
Methyl-tert-butyl ether	ug/m3	ND	0.73	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	
m&p-Xylene	ug/m3	ND	1.8	
Naphthalene	ug/m3	ND	2.7	

Date: 03/20/2006 05:06 PM

REPORT OF LABORATORY ANALYSIS

Page 23 of 28

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

METHOD BLANK: 198166

Associated Lab Samples: 1028496001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
n-Heptane	ug/m3	ND	0.83	
n-Hexane	ug/m3	10.8	0.72	1
o-Xylene	ug/m3	ND	0.88	
Propylene	ug/m3	ND	0.35	
Styrene	ug/m3	ND	0.87	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	
Tetrachloroethene	ug/m3	ND	1.4	
Tetrahydrofuran	ug/m3	ND	0.60	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	
Toluene	ug/m3	ND	0.77	
Trichloroethene	ug/m3	ND	1.1	
Trichlorofluoromethane	ug/m3	ND	1.1	
Vinyl acetate	ug/m3	ND	0.71	
Vinyl chloride	ug/m3	ND	0.52	

LABORATORY CONTROL SAMPLE: 198167

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/m3	43.6	49.0	112	59-136	
1,1-Dichloroethene	ug/m3	41.9	46.4	111	60-137	
1,1,1-Trichloroethane	ug/m3	58.3	66.2	114	60-134	
1,1,2-Trichloroethane	ug/m3	59.4	68.3	115	64-129	
1,1,2,2-Tetrachloroethane	ug/m3	74	94.5	128	55-141	
1,2,4-Trichlorobenzene	ug/m3	80.6	107	132	50-150	
1,2-Dichlorobenzene	ug/m3	64.8	84.2	130	60-139	
1,2-Dichloroethane	ug/m3	43.6	50.3	115	56-141	
1,2-Dibromoethane (EDB)	ug/m3	82.8	103	125	61-136	
1,2-Dichloropropane	ug/m3	49.4	57.0	116	57-131	
1,2,4-Trimethylbenzene	ug/m3	53	70.6	133	63-137	
1,3-Butadiene	ug/m3	24.3	25.9	107	53-140	
1,3-Dichlorobenzene	ug/m3	67.3	86.1	128	59-136	
1,3,5-Trimethylbenzene	ug/m3	52.5	73.1	139	61-134	5
1,4-Dichlorobenzene	ug/m3	64.2	77.9	121	59-130	
2-Butanone (MEK)	ug/m3	32.4	37.5	116	54-133	
2-Hexanone	ug/m3	45.8	60.5	132	54-139	
4-Ethyltoluene	ug/m3	55	75.4	137	61-138	
Carbon disulfide	ug/m3	33.3	42.3	127	50-150	
Dichlorotetrafluoroethane	ug/m3	71.8	77.6	108	59-130	
Acetone	ug/m3	24.4	28.5	117	50-139	
Benzene	ug/m3	34.4	39.7	115	64-125	
Bromodichloromethane	ug/m3	70.9	84.1	119	61-131	
Bromomethane	ug/m3	40.3	41.4	103	55-135	
Bromoform	ug/m3	110	153	139	66-138	5
cis-1,2-Dichloroethene	ug/m3	42.7	51.9	122	62-135	

Date: 03/20/2006 05:06 PM

REPORT OF LABORATORY ANALYSIS

Page 24 of 28

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

LABORATORY CONTROL SAMPLE: 198167

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/m3	48.9	63.0	129	64-133	
Carbon tetrachloride	ug/m3	67.8	78.3	115	58-135	
Cyclohexane	ug/m3	35.7	43.6	122	54-139	
Chlorobenzene	ug/m3	49.6	57.3	116	62-139	
Chloroethane	ug/m3	27.1	28.2	104	56-140	
Chloroform	ug/m3	48.7	54.6	112	50-150	
Chloromethane	ug/m3	21	22.5	107	56-144	
Dibromochloromethane	ug/m3	95.3	117	123	50-150	
Dichlorodifluoromethane	ug/m3	50.8	52.3	103	60-130	
Ethyl acetate	ug/m3	35.9	45.1	126	60-132	
Ethylbenzene	ug/m3	46.4	61.1	132	65-140	
Hexachloro-1,3-butadiene	ug/m3	115	143	124	50-150	
Methylene Chloride	ug/m3	37.1	40.3	109	56-138	1
Methyl-tert-butyl ether	ug/m3	38.1	46.5	122	50-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	45.8	57.9	126	53-139	
m&p-Xylene	ug/m3	92.7	119	128	60-132	
Naphthalene	ug/m3	55.4	79.7	144	70-130	5
n-Heptane	ug/m3	43.3	55.0	127	62-135	
n-Hexane	ug/m3	35.8	35.5	99	62-134	1
o-Xylene	ug/m3	46.8	62.3	133	64-132	5
Propylene	ug/m3	18.4	17.6	96	56-125	
Styrene	ug/m3	45.9	63.1	137	69-134	5
trans-1,2-Dichloroethene	ug/m3	39.9	45.6	114	50-150	
trans-1,3-Dichloropropene	ug/m3	50.8	57.0	112	70-142	
Tetrachloroethene	ug/m3	67.6	82.6	122	60-137	
Tetrahydrofuran	ug/m3	31.5	40.9	130	52-139	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	89.8	110	55-137	
Toluene	ug/m3	41	49.1	120	69-130	
Trichloroethene	ug/m3	56.8	67.9	119	60-134	
Trichlorofluoromethane	ug/m3	57.7	62.8	109	56-141	
Vinyl acetate	ug/m3	38.3	48.9	128	61-142	
Vinyl chloride	ug/m3	26.3	27.7	106	66-132	

SAMPLE DUPLICATE: 198168

Parameter	Units	1028500002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ug/m3	ND	ND	0	25	
1,1-Dichloroethene	ug/m3	ND	ND	0	25	
1,1,1-Trichloroethane	ug/m3	ND	ND	0	25	
1,1,2-Trichloroethane	ug/m3	ND	ND	0	25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND	0	25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND	0	25	
1,2-Dichlorobenzene	ug/m3	ND	ND	0	25	
1,2-Dichloroethane	ug/m3	ND	ND	0	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND	0	25	
1,2-Dichloropropane	ug/m3	ND	ND	0	25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND	.6	25	

Date: 03/20/2006 05:06 PM

REPORT OF LABORATORY ANALYSIS

Page 25 of 28

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

SAMPLE DUPLICATE: 198168

Parameter	Units	1028500002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Butadiene	ug/m3	ND	ND	0	25	
1,3-Dichlorobenzene	ug/m3	ND	ND	0	25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND	0	25	
1,4-Dichlorobenzene	ug/m3	ND	ND	0	25	
2-Butanone (MEK)	ug/m3	23.5	24.6	4	25	
2-Hexanone	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	ND	ND	0	25	
Carbon disulfide	ug/m3	ND	ND	0	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	
Acetone	ug/m3	230	235	2	25	
Benzene	ug/m3	16.5	17.3	5	25	
Bromodichloromethane	ug/m3	ND	ND	0	25	
Bromomethane	ug/m3	ND	ND	0	25	
Bromoform	ug/m3	ND	ND	0	25	
cis-1,2-Dichloroethene	ug/m3	ND	ND	0	25	
cis-1,3-Dichloropropene	ug/m3	ND	ND	0	25	
Carbon tetrachloride	ug/m3	ND	ND	0	25	
Cyclohexane	ug/m3	ND	ND	0	25	
Chlorobenzene	ug/m3	ND	ND	0	25	
Chloroethane	ug/m3	ND	ND	0	25	
Chloroform	ug/m3	ND	ND	0	25	
Chloromethane	ug/m3	6.0	6.0	1	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	53.5	51.8	3	25	
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	ND	ND	0	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	79.7	78.7	1	25	1
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
m&p-Xylene	ug/m3	17.7	18.9	7	25	
Naphthalene	ug/m3	ND	ND	0	25	
n-Heptane	ug/m3	20.1	21.0	4	25	
n-Hexane	ug/m3	60.1	61.5	2	25	1
o-Xylene	ug/m3	ND	ND	0	25	
Propylene	ug/m3	222	216	3	25	
Styrene	ug/m3	ND	ND	0	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND	0	25	
trans-1,3-Dichloropropene	ug/m3	ND	ND	0	25	
Tetrachloroethene	ug/m3	ND	ND	0	25	
Tetrahydrofuran	ug/m3	ND	ND	0	25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND	0	25	
Toluene	ug/m3	75.6	83.2	10	25	
Trichloroethene	ug/m3	ND	ND	0	25	
Trichlorofluoromethane	ug/m3	ND	ND	0	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

Date: 03/20/2006 05:06 PM

REPORT OF LABORATORY ANALYSIS

Page 26 of 28

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA QUALIFIERS

Project: KC'S QWIK STOP BROOTEN,MN

Pace Project No : 1028496

QUALITY CONTROL PARAMETER QUALIFIERS

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

QUALITY CONTROL ANALYTE QUALIFIERS

- [1] Analyte is found in the associated method blank as well as in the sample (CLP B-Flag).
- [2] The continuing calibration for this compound is outside of method control limits. The result for this compound should be considered an estimation.
- [3] The initial calibration for this compound is outside of method control limits. The result for this compound is an estimation.
- [4] Result for this analyte was below the acceptable LCS recovery limit. Results for this analyte in associated samples may be biased low.
- [5] Result for this analyte was above the acceptable LCS recovery limit. Results for this analyte in associated samples may be biased high.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KC'S QWIK STOP BROOTEN,MN
Pace Project No.: 1028496

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1028496002	VB-2 #334	TO-14 Source	AIR/3586		
1028496004	VB-4 #033	TO-15	AIR/3590		
1028496005	VB-5 #1071	TO-15	AIR/3594		
1028496003	VB-3 #276	TO-14 Source	AIR/3597		
1028496001	VB-1 #536	TO-15	AIR/3600		



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: **Section B** Required Project Information: **Section C** Invoice Information:

Company: Loten Environmental Report To: Seve Attention: Scott

Address: 728 Seves Circle Dr. Copy To: Company Name:

Email To: Alexandra MW Purchase Order No.: Address:

Phone: 320-846-4668 Fax: Project Name: KS Quik Stop Pace Project Manager:

Requested Due Date/TAT: Project Number: Booster MW Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA Other

SITE LOCATION

GA IL IN MI MN NC

OH SC WI OTHER

ITEM #	Section D Required Client Information	Valid Matrix Codes	CODE	MATRIX CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVED		Filtered (Y/N)	Requested Analysis	Residual Chlorine (Y/N)	Pace Project Number	Lab ID
					DATE	TIME			DATE	TIME					
1	V B - 1	PI D 96	# 536	AR	2-24	1:12		1			X			1028496001	
2	V B - 2	PI D 07	# 334				0:36							002	
3	V B - 3	PI D 26	# 276				0:29							003	
4	V B - 4	PI D 11	# 033				0:13							004	
5	V B - 5	PT 040	# 107				2:27	0:14						005	
6															
7															
8															
9															
10															
11															
12															

RELINQUISHED BY / AFFILIATION: Bugs Becker DATE: 2-28-06 TIME: 07:30

ACCEPTED BY / AFFILIATION: Alexandra MW DATE: 2-28-06 TIME: 7:30

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Bugs Becker

SIGNATURE of SAMPLER: [Signature]

DATE Signed (MM/DD/YY): 2/28/06

Temp in °C:

Received on Ice: Y/N

Custody Sealed Cooler: Y/N

Samples Intact: Y/N



Annual Monitoring Report

**Former K-C Kwik Stop
Brooten, MN**

February 21, 2007

Section 2 of 2

Case Narrative: SDG#1028496
Client: COTEAU

TO15 Low Level & TO14 Source ANALYSIS

GC/MS Tuning

All BFB tuning criteria were met prior to the analysis of calibration standards, blanks, and samples.

Instrumental Calibrations (ICAL)

The initial calibration criteria are based on a maximum 30% RSD for averaged or minimum r^2 of 0.995 for linear calibrations. The initial calibrations met method criteria with the following exceptions. The ICAL for the TO14 analysis on 03/14/06 did not meet criteria for 1,2,4-trichlorobenzene. The ICAL for the TO14 analysis on 03/16/06 did not meet criteria for trans-1,3-dichloropropene, 1,2-dibromoethane, and 1,2,4-trichlorobenzene.

Continuing Calibration (CCAL)

Continuing calibrations were analyzed and met all method criteria with the following exceptions. The CCAL for the TO14 analysis on 03/14/06 was biased low for dichlorodifluoromethane. The CCAL for the TO14 analysis on 03/16/06 was biased low for dichlorodifluoromethane and hexachloro-1,3-butadiene. Criteria are based on a maximum 30% difference (%D) for all compounds.

Method Blanks

The method blanks associated with this SDG met method criteria with the following exceptions. The method blank on 03/16/06 did not meet criteria for methylene chloride and n-hexane.

LCS Recoveries

All of the recoveries were within the internally generated QC limits for recovery with the following exceptions. The LCS for the TO15 analysis on 03/16/06 did not meet criteria for 1,3,5-Trimethylbenzene, naphthalene, o-xylene and styrene. The LCS for the TO14 analysis on 03/14/06 did not meet criteria for dichlorodifluoromethane and 1,2,4-trichlorobenzene. These compounds also failed CCAL and ICAL criteria. The LCS for the TO14 analysis on 03/16/06 did not meet criteria for cis-1,2-dichloroethene, 1,2,4-trichlorobenzene, and hexachloro-1,3-butadiene. These compounds also failed CCAL and ICAL criteria. The CCAL was used as the LCS.

Sample Duplicate Recoveries

Sample duplicate was analyzed on a sample in work order 1028500. All compounds met criteria. Criteria are compounds must be within 25% Relative Percent Difference (RPD).

Case Narrative: SDG#1028496
Client: COTEAU

Analysis Comments

All sample analyses were completed on a DB5 column. Per the MPCA Vapor Intrusion Guidance Document the laboratory determined that samples VB-2 #334 and VB-3 #276 needed to be analyzed by EPA method TO-14. This was due to elevated levels of organic compounds.

TO-14: 10 cc of sample is cryofocused using an Entech 7000 prior to injection on to the GC.

Sample VB-1 #536 was run at a dilution to mitigate the effects of carbon dioxide. When the sample was analyzed in an undiluted state the carbon dioxide was at a high enough concentration that it saturated the instrumentation. This saturation makes it impossible to determine the presence or absence of the target analytes at the normal reporting levels.

THC Pattern Interpretation

The majority of the contamination in samples VB-1 #536, VB-2 #334, VB-3 #276, and VB-4 #033 occurred in the first half of the analysis (before toluene). The majority of the contamination in sample VB-5 #1071 occurred in the second half of the analysis (after toluene).

This case narrative was completed by YA 03/27/06.

Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: 1028496001
Operator : HRG
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 16-MAR-2006 16:22

Client SDG: 102205
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/KG) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-83-2	Butane, 2,2-dimethyl-	6.005	479	NJ
2. 96-14-0	Pentane, 3-methyl-	6.925	829	NJ
3. 590-35-2	Pentane, 2,2-dimethyl-	7.855	231	NJ
4. 108-08-7	Pentane, 2,4-dimethyl-	7.981	840	NJ
5.	Unknown	8.088	397	J
6. 565-59-3	Pentane, 2,3-dimethyl-	9.078	520	NJ
7. 589-34-4	Hexane, 3-methyl-	9.220	425	NJ
8. 594-82-1	Butane, 2,2,3,3-tetramethyl	9.612	2670	NJ
9. 565-75-3	Pentane, 2,3,4-trimethyl-	11.449	309	NJ
10. 560-21-4	Pentane, 2,3,3-trimethyl-	11.645	544	NJ

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\10samba\chem\10air7.i\031606.b\07512tic.D
 Lab Smp Id: 1028496001
 Inj Date : 16-MAR-2006 16:22
 Operator : HRG Inst ID: 10air7.i
 Smp Info :
 Misc Info : 3600
 Comment : Volatile Organic COMPOUNDS in Air
 Method : \\10samba\chem\10air7.i\031606.b\LOWTO15_074.m
 Meth Date : 28-Mar-2006 13:36 hgreen Quant Type: ISTD
 Cal Date : 15-MAR-2006 15:14 Cal File: 07410.D
 Als bottle: 12
 Dil Factor: 29.60000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: 10VOL1

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	29.600	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

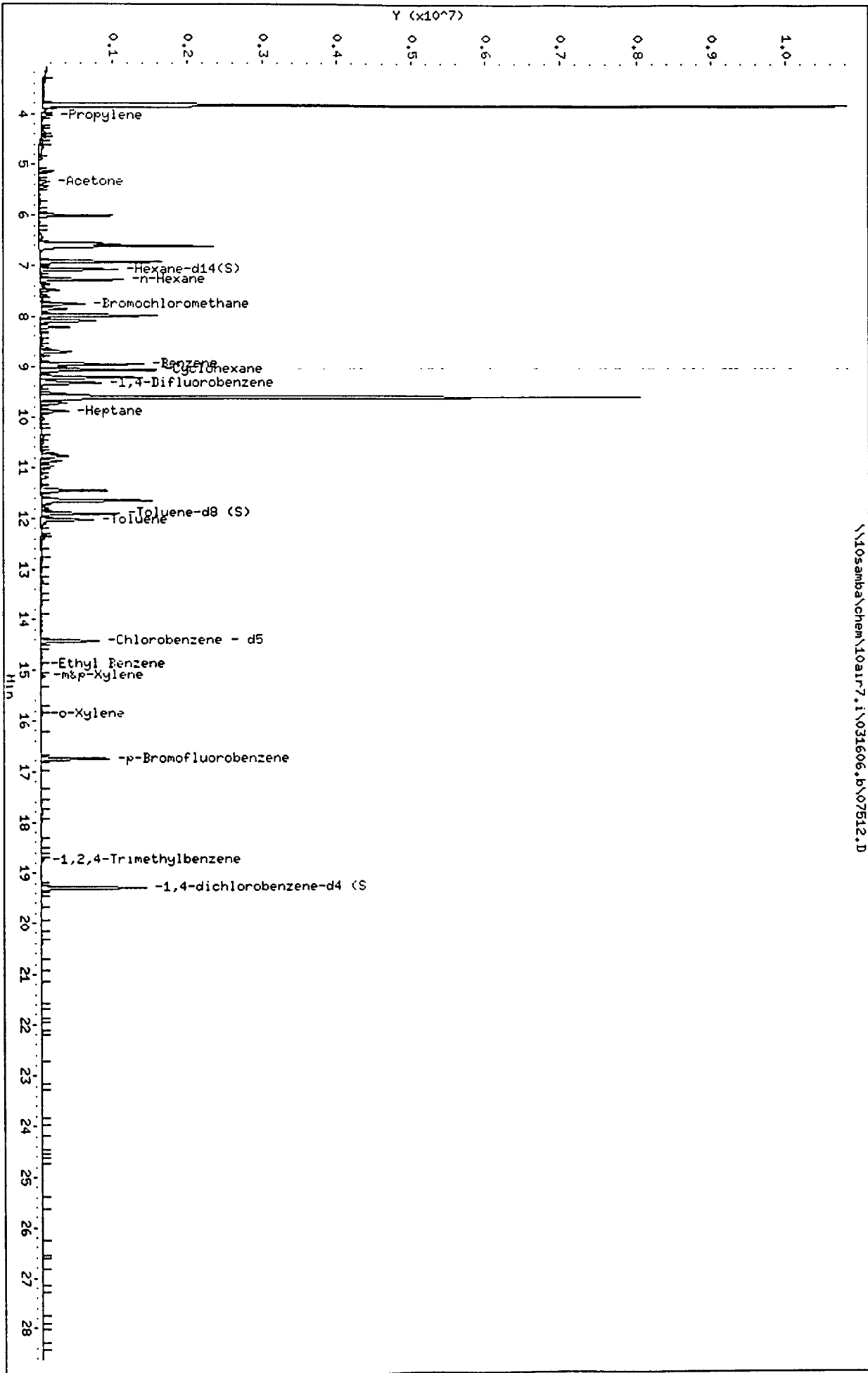
ISTD	RT	AREA	AMOUNT
* 114 Bromochloromethane	7.755	1304124	10.000
* 115 1,4-Difluorobenzene	9.333	2228541	10.000

RT	AREA	CONCENTRATIONS			QUAL	QUANT		CPND #
		ON-COL(ppbv)	FINAL(ppbv)	LIBRARY		LIB ENTRY		
6.005	2108660	16.1691562	479	78	NBS75K.1	732	114	
6.925	3651859	28.0023738	829	80	NBS75K.1	62867	114	
7.855	1016068	7.79118540	231	78	NBS75K.1	1592	114	
7.981	3702485	28.3905766	840	91	NBS75K.1	63425	114	
8.088	1748936	13.4108058	397	0		0	114	

RT	CONCENTRATIONS				QUANT		CPND #
	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	
****	****	*****	*****	****	*****	*****	*****
Pentane, 2,3-dimethyl-					CAS #: 565-59-3		
9.078	3919475	17.5876213	520	83	NBS75K.1	1597	115
Hexane, 3-methyl-					CAS #: 589-34-4		
9.220	3199523	14.3570252	425	91	NBS75K.1	63423	115
Butane, 2,2,3,3-tetramethyl-					CAS #: 594-82-1		
9.612	20097085	90.1804232	2670	83	NBS75K.1	64214	115
Pentane, 2,3,4-trimethyl-					CAS #: 565-75-3		
11.449	2329338	10.4522961	309	83	NBS75K.1	3100	115
Pentane, 2,3,3-trimethyl-					CAS #: 560-21-4		
11.645	4093117	18.3667923	544	72	NBS75K.1	3088	115

1028496001

\\10samba\chem\10air7.1\031606.b\07512.D



Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3586
Lab Smp Id: 1028496002
Operator : LCW
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 15-MAR-2006 00:57

Client SDG: 111105
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/KG) ppmv

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 107-83-5	Pentane, 2-methyl-	6.618	293.3	NJ
2. 108-08-7	Pentane, 2,4-dimethyl-	7.697	219.3	NJ
3. 96-37-7	Cyclopentane, methyl-	7.795	157.6	NJ
4. 565-59-3	Pentane, 2,3-dimethyl-	8.525	502.8	NJ
5. 589-34-4	Hexane, 3-methyl-	8.624	241.5	NJ
6. 590-73-8	Hexane, 2,2-dimethyl-	8.920	803.8	NJ
7. 142-82-5	Heptane	9.097	171.2	NJ
8. 592-13-2	Hexane, 2,5-dimethyl-	9.741	209.3	NJ
9. 565-75-3	Pentane, 2,3,4-trimethyl-	10.228	264.9	NJ
10.	Unknown	10.379	279.3	J

Pace Analytical Services

TO14 Source (UNIX)

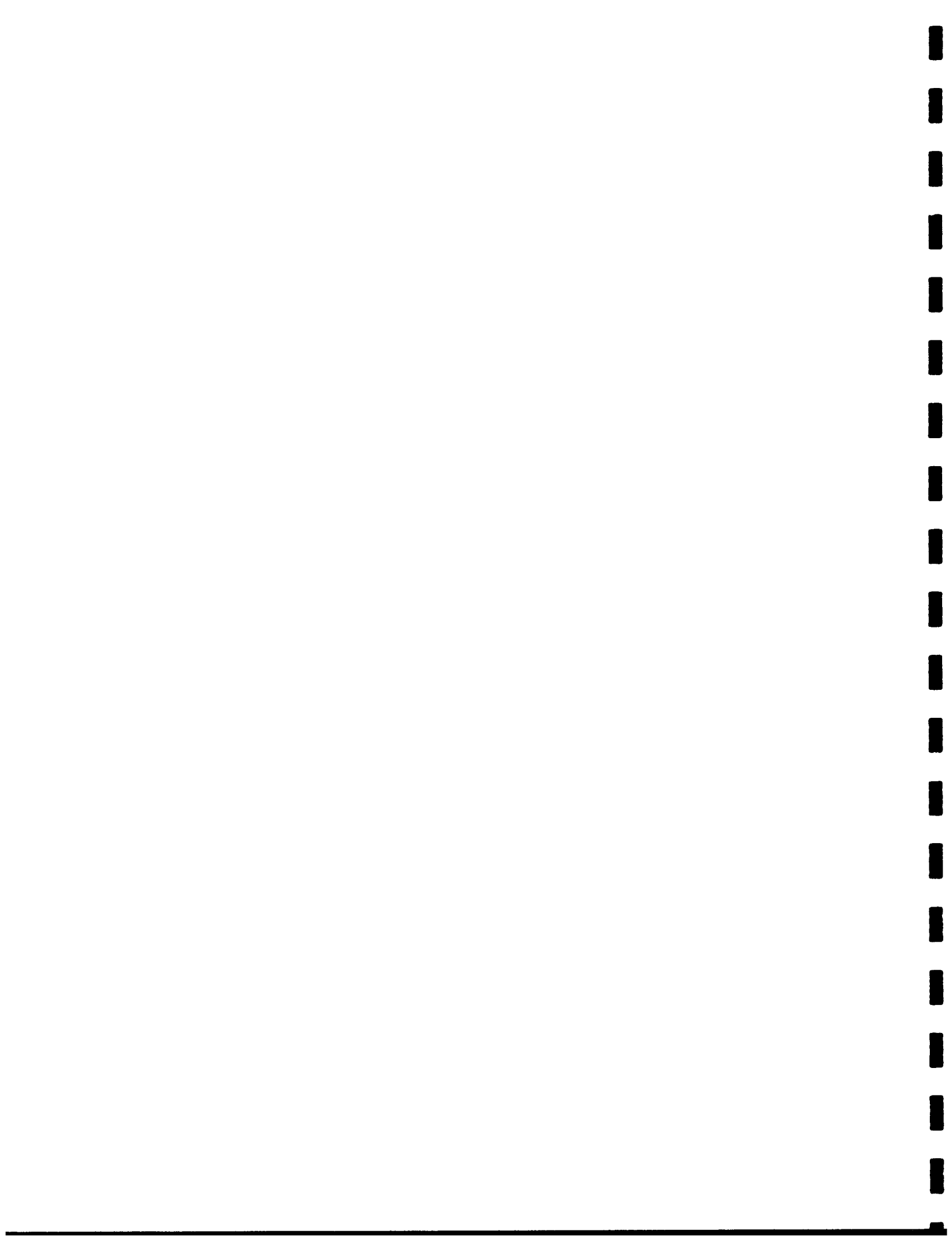
Data file : \\10samba\chem\10air1.i\031406.b\07318tic.D
Lab Smp Id: 1028496002
Inj Date : 15-MAR-2006 00:57
Operator : LCW
Smp Info :
Misc Info : 3586
Comment : Volatile Organic COMPOUNDS in Air
Method : \\10samba\chem\10air1.i\031406.b\TO14LP061.m
Meth Date : 28-Mar-2006 11:44 hgreen
Cal Date : 02-MAR-2006 08:54
Als bottle: 18
Dil Factor: 1.43000
Integrator: HP RTE
Target Version: 4.14
Processing Host: 10VOL1
Inst ID: 10air1.i
Quant Type: ESTD
Cal File: 06103.D
Compound Sublist: mtbe+to14.sub

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.430	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

RT	AREA	ON-COL(ppmv)	FINAL(ppmv)	QUAL	LIBRARY	LIB ENTRY
Pentane, 2-methyl-					CAS #: 107-83-5	
6.618	13357802	205.103712	293.3	91	NBS75K.1	62865
Pentane, 2,4-dimethyl-					CAS #: 108-08-7	
7.697	9987751	153.357925	219.3	91	NBS75K.1	1594
Cyclopentane, methyl-					CAS #: 96-37-7	
7.795	7178718	110.226341	157.6	91	NBS75K.1	594
Pentane, 2,3-dimethyl-					CAS #: 565-59-3	
8.525	22900741	351.631720	502.8	91	NBS75K.1	63429
Hexane, 3-methyl-					CAS #: 589-34-4	
8.624	10997704	168.865342	241.5	95	NBS75K.1	63423
Hexane, 2,2-dimethyl-					CAS #: 590-73-8	
8.920	36609896	562.130313	803.8	78	NBS75K.1	3091
Heptane					CAS #: 142-82-5	
9.097	7798065	119.736168	171.2	87	NBS75K.1	63438
Hexane, 2,5-dimethyl-					CAS #: 592-13-2	
9.741	9533203	146.378515	209.3	91	NBS75K.1	64204

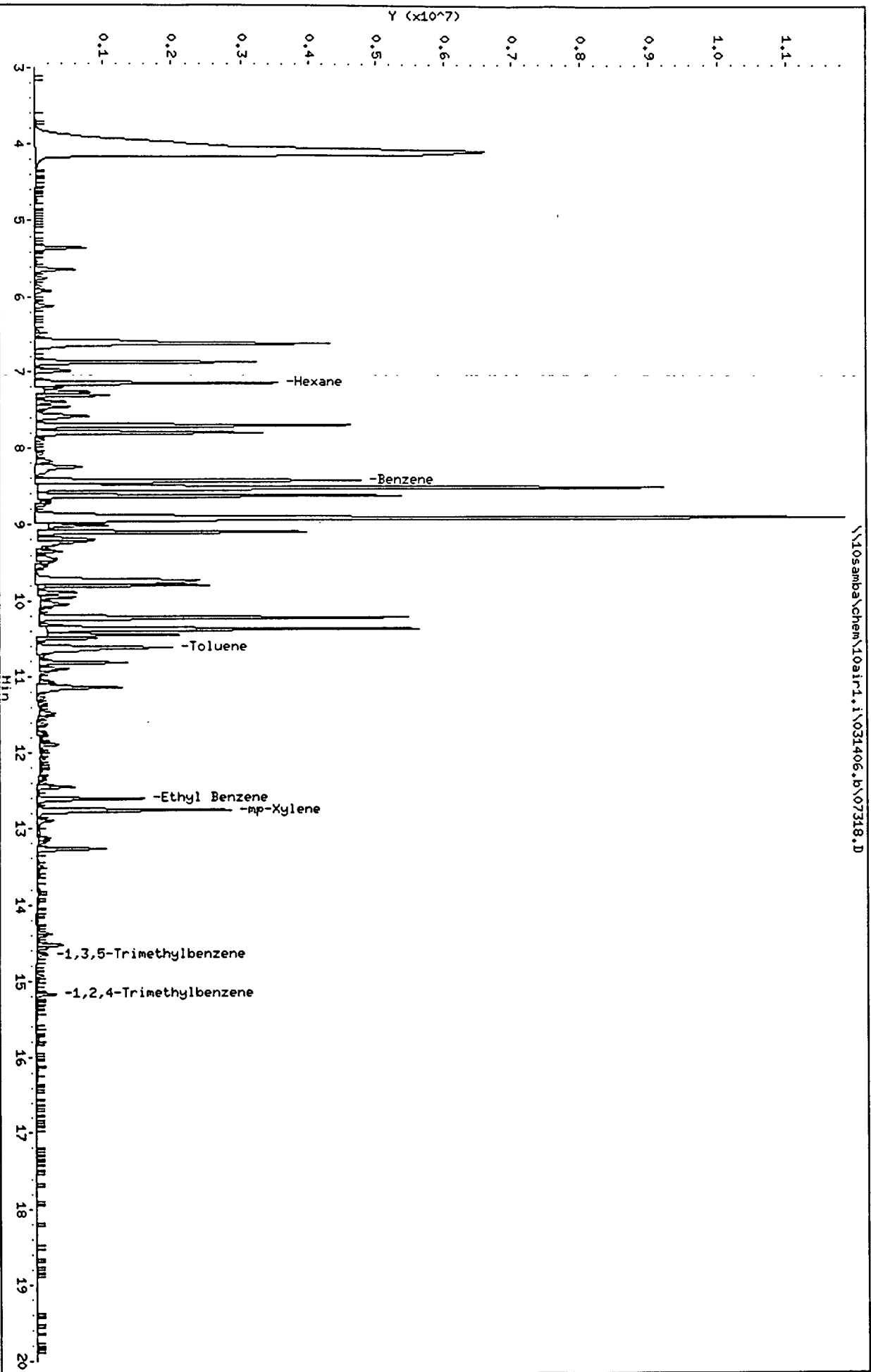


CONCENTRATIONS

RT	AREA	ON-COL(ppmv)	FINAL(ppmv)	QUAL	LIBRARY	LIB ENTRY
****	****	*****	*****	****	*****	*****
Pentane, 2,3,4-trimethyl-					CAS #: 565-75-3	
10.228	12062683	185.217675	264.9	91	NBS75K.1	3100
Unknown					CAS #:	
10.379	12721844	195.338822	279.3	0		0



1028496002



Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3597
Lab Smp Id: 1028496003
Operator : LCW
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 16-MAR-2006 19:51

Client SDG: 111105
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/KG) ppmv

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.059	468.9	J
2.	Unknown	6.565	2.23	J
3.	Unknown	8.471	4.50	J
4.	Unknown	8.570	2.25	J
5.	Unknown	8.853	8.76	J
6.	Unknown	9.043	1.85	J
7.	Unknown	9.701	2.17	J
8.	Unknown	10.174	2.75	J
9.	Unknown	10.326	3.09	J
10.	Unknown	10.510	6.75	J

Pace Analytical Services

TO14 Source (UNIX)

Data file : \\10samba\chem\10air1.i\031606.b\07514tic.D
 Lab Smp Id: 1028496003
 Inj Date : 16-MAR-2006 19:51
 Operator : LCW Inst ID: 10air1.i
 Smp Info :
 Misc Info : 3597
 Comment : Volatile Organic COMPOUNDS in Air
 Method : \\10samba\chem\10air1.i\031606.b\TO14LP074.m
 Meth Date : 28-Mar-2006 12:04 hgreen Quant Type: ESTD
 Cal Date : 02-MAR-2006 08:54 Cal File: 06103.D
 Als bottle: 14
 Dil Factor: 1.34000
 Integrator: HP RTE Compound Sublist: mtbe+to14.sub
 Target Version: 4.14
 Processing Host: 10VOL1

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.340	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

CONCENTRATIONS

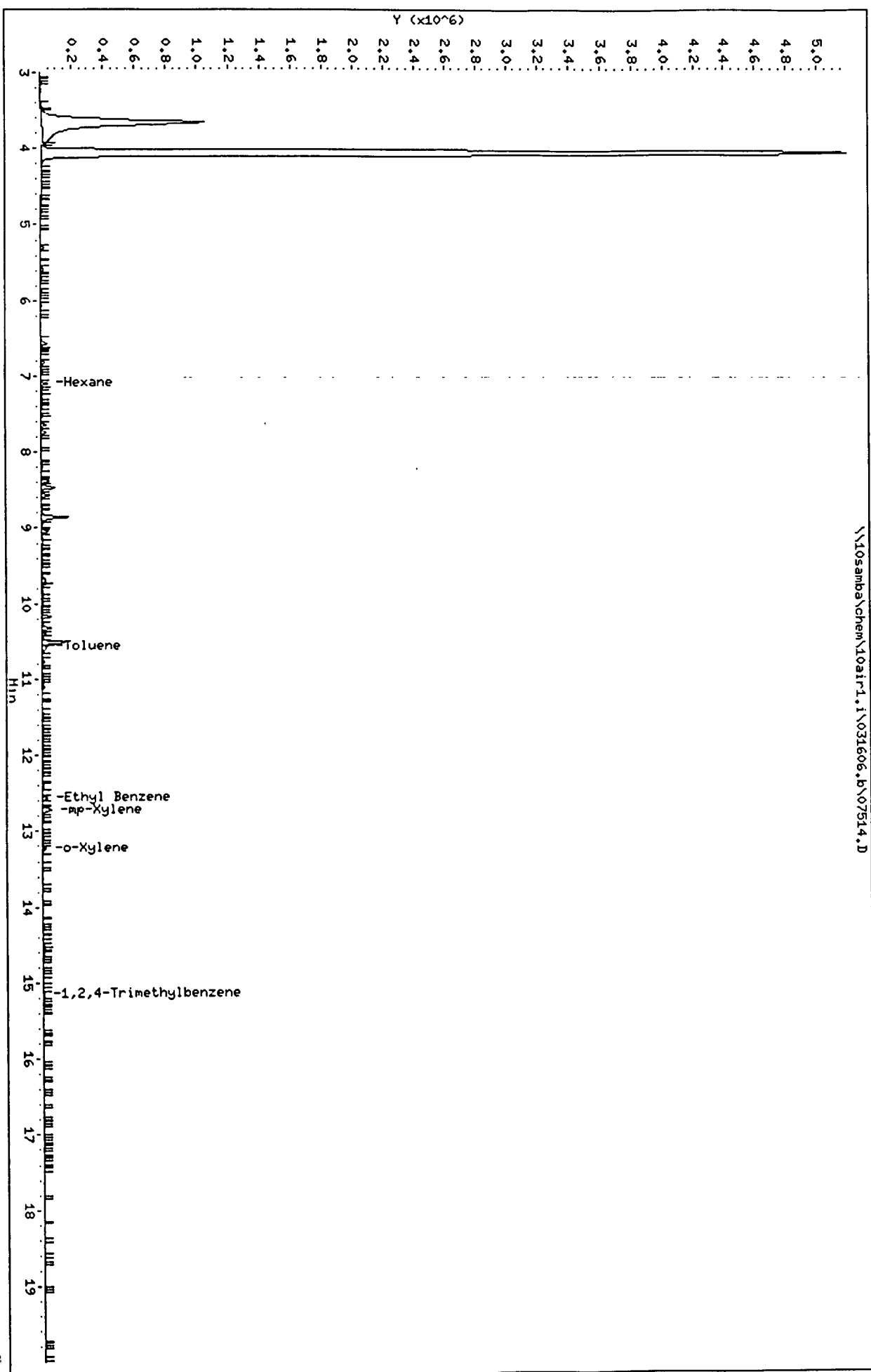
RT	AREA	ON-COL(ppmv)	FINAL(ppmv)	QUAL	LIBRARY	LIB ENTRY
Unknown					CAS #:	
4.059	22790317	349.936197	468.9	0		0
Unknown					CAS #:	
6.565	108197	1.66131452	2.23	0		0
Unknown					CAS #:	
8.471	218879	3.36079507	4.50	0		0
Unknown					CAS #:	
8.570	109470	1.68086538	2.25	0		0
Unknown					CAS #:	
8.853	425908	6.53965027	8.76	0		0
Unknown					CAS #:	
9.043	89850	1.37961413	1.85	0		0
Unknown					CAS #:	
9.701	105451	1.61916406	2.17	0		0
Unknown					CAS #:	
10.174	133891	2.05584172	2.75	0		0

CONCENTRATIONS						
RT	AREA	ON-COL(ppmv)	FINAL(ppmv)	QUAL	LIBRARY	LIB ENTRY
-----	-----	-----	-----	-----	-----	-----
Unknown					CAS #:	
10.326	150338	2.30837684	3.09	0		0
Unknown					CAS #:	
10.510	327900	5.03477814	6.75	0		0

1028496003

Data File: \\10samba\chem\10air1.i\031606.b\07514.D
Date: 16-MAR-2006 19:51
Client ID:
Sample Info:
Column phase: J&M DB-5

Instrument: 10air1.i
Operator: LCM
Column diameter: 0.32



Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: 1028496004
Operator : HRG
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 14-MAR-2006 02:09

Client SDG: 102205
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/KG) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.031	3.23	J
2.	Unknown	4.350	2.02	J
3.	Unknown	4.470	8.57	J
4.	Unknown	6.330	2.15	J
5.	Unknown	6.460	1.39	J

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\10samba\chem\10air7.i\031306.b\07222tic.D
 Lab Smp Id: 1028496004
 Inj Date : 14-MAR-2006 02:09
 Operator : HRG Inst ID: 10air7.i
 Smp Info :
 Misc Info :
 Comment : Volatile Organic COMPOUNDS in Air
 Method : \\10samba\chem\10air7.i\031306.b\LOWTO15_072.m
 Meth Date : 28-Mar-2006 12:23 hgreen Quant Type: ISTD
 Cal Date : 13-MAR-2006 20:56 Cal File: 07216.D
 Als bottle: 22
 Dil Factor: 1.34000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: 10VOL1

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.340	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 114 Bromochloromethane	7.755	1232183	10.000

RT	CONCENTRATIONS				QUANT		CPND #
	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
4.031	296892	2.40948026	3.23	0		0	114
Unknown					CAS #:		
4.350	185665	1.50679728	2.02	0		0	114
Unknown					CAS #:		
4.470	788209	6.39684966	8.57	0		0	114
Unknown					CAS #:		
6.330	197792	1.60521964	2.15	0		0	114
Unknown					CAS #:		
6.460	127737	1.03666908	1.39	0		0	114



1028496004

Date: 14-MAR-2006 02:09

Client ID:

Sample Info:

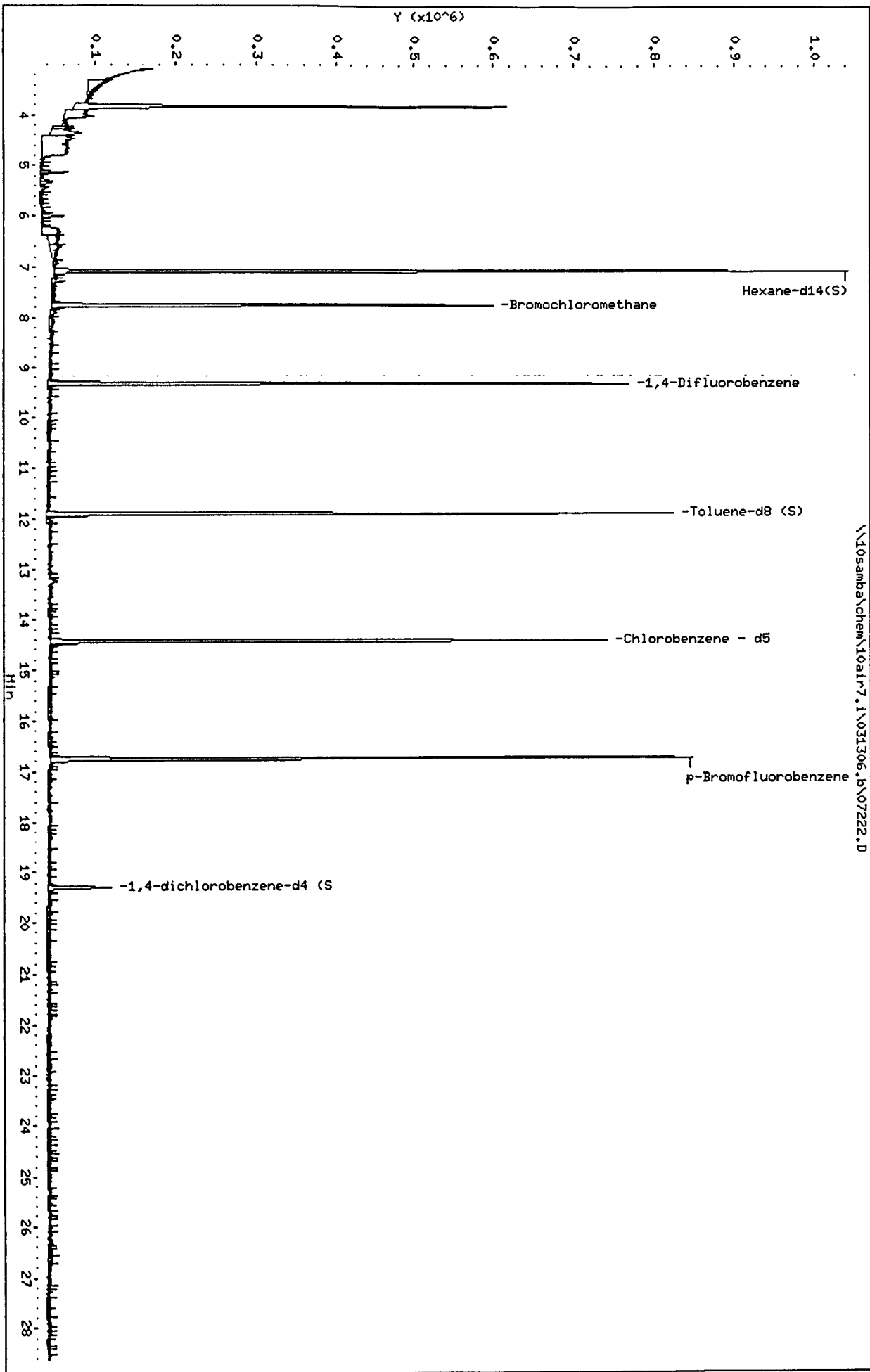
Instrument: 10air7.i

Operator: HRC

Column diameter: 0.32

Column phase: J&M DB-5

\\10samba\chem\10air7.1\031306.b\07222.D



Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: 1028496005
Operator : HRG
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 16-MAR-2006 00:47

Client SDG: 102205
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/KG) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-21-8	Ethylene oxide	4.360	15.1	NJ
2. 64-17-5	Ethanol	4.878	9.58	NJ
3. 594-82-1	Butane, 2,2,3,3-tetramethyl	9.602	5.60	NJ
4.	Unknown	12.818	6.05	J
5. 2213-23-2	Heptane, 2,4-dimethyl-	14.745	5.18	NJ
6. 62238-01-1	Decane, 2,2,8-trimethyl-	15.392	4.06	NJ
7. 103-65-1	Benzene, propyl-	17.598	11.6	NJ
8. 611-14-3	Benzene, 1-ethyl-2-methyl-	18.359	6.30	NJ
9. 1074-43-7	Benzene, 1-methyl-3-propyl-	20.236	5.85	NJ
10. 934-80-5	Benzene, 4-ethyl-1,2-dimeth	20.392	5.21	NJ

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\10samba\chem\10air7.i\031506.b\07423tic.D
 Lab Smp Id: 1028496005
 Inj Date : 16-MAR-2006 00:47
 Operator : HRG
 Smp Info :
 Misc Info : 3594
 Comment : Volatile Organic COMPOUNDS in Air
 Method : \\10samba\chem\10air7.i\031506.b\LOWTO15_074.m
 Meth Date : 28-Mar-2006 11:02 hgreen
 Cal Date : 15-MAR-2006 12:31
 Als bottle: 23
 Dil Factor: 1.34000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: 10VOL1

Inst ID: 10air7.i

Quant Type: ISTD
 Cal File: 07406L.D

Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.340	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 114 Bromochloromethane	7.759	1155068	10.000
* 115 1,4-Difluorobenzene	9.330	1705094	10.000
* 116 Chlorobenzene - d5	14.426	2187108	10.000
* 57 p-Bromofluorobenzene	16.751	3218139	10.000

RT	CONCENTRATIONS			QUAL	QUANT		CPND #
	AREA	ON-COL(ppbv)	FINAL(ppbv)		LIBRARY	LIB ENTRY	
Ethylene oxide							
4.360	1304644	11.2949530	15.1	90	NBS75K.1	37	114
Ethanol							
4.878	825563	7.14730490	9.58	91	NBS75K.1	49	114
Butane, 2,2,3,3-tetramethyl-							
9.602	712939	4.18123096	5.60	78	NBS75K.1	3090	115
Unknown							
12.818	986845	4.51209955	6.05	0		0	116

RT	CONCENTRATIONS			QUAL	QUANT		CPND #
	AREA	ON-COL(ppbv)	FINAL(ppbv)		LIBRARY	LIB ENTRY	
----	----	-----	-----	----	-----	-----	-----
Heptane, 2,4-dimethyl-					CAS #: 2213-23-2		
14.745	846035	3.86828272	5.18	78	NBS75K.1	65121	116
Decane, 2,2,8-trimethyl-					CAS #: 62238-01-1		
15.392	663151	3.03208840	4.06	78	NBS75K.1	19012	116
Benzene, propyl-					CAS #: 103-65-1		
17.598	2797776	8.69377022	11.6	90	NBS75K.1	64584	57
Benzene, 1-ethyl-2-methyl-					CAS #: 611-14-3		
18.359	1513875	4.70419424	6.30	95	NBS75K.1	64560	57
Benzene, 1-methyl-3-propyl-					CAS #: 1074-43-7		
20.236	1405053	4.36604139	5.85	97	NBS75K.1	65528	57
Benzene, 4-ethyl-1,2-dimethyl-					CAS #: 934-80-5		
20.392	1251863	3.89002154	5.21	91	NBS75K.1	65568	57

1028496005

Date: 16-MAR-2006 00:47

Client ID:

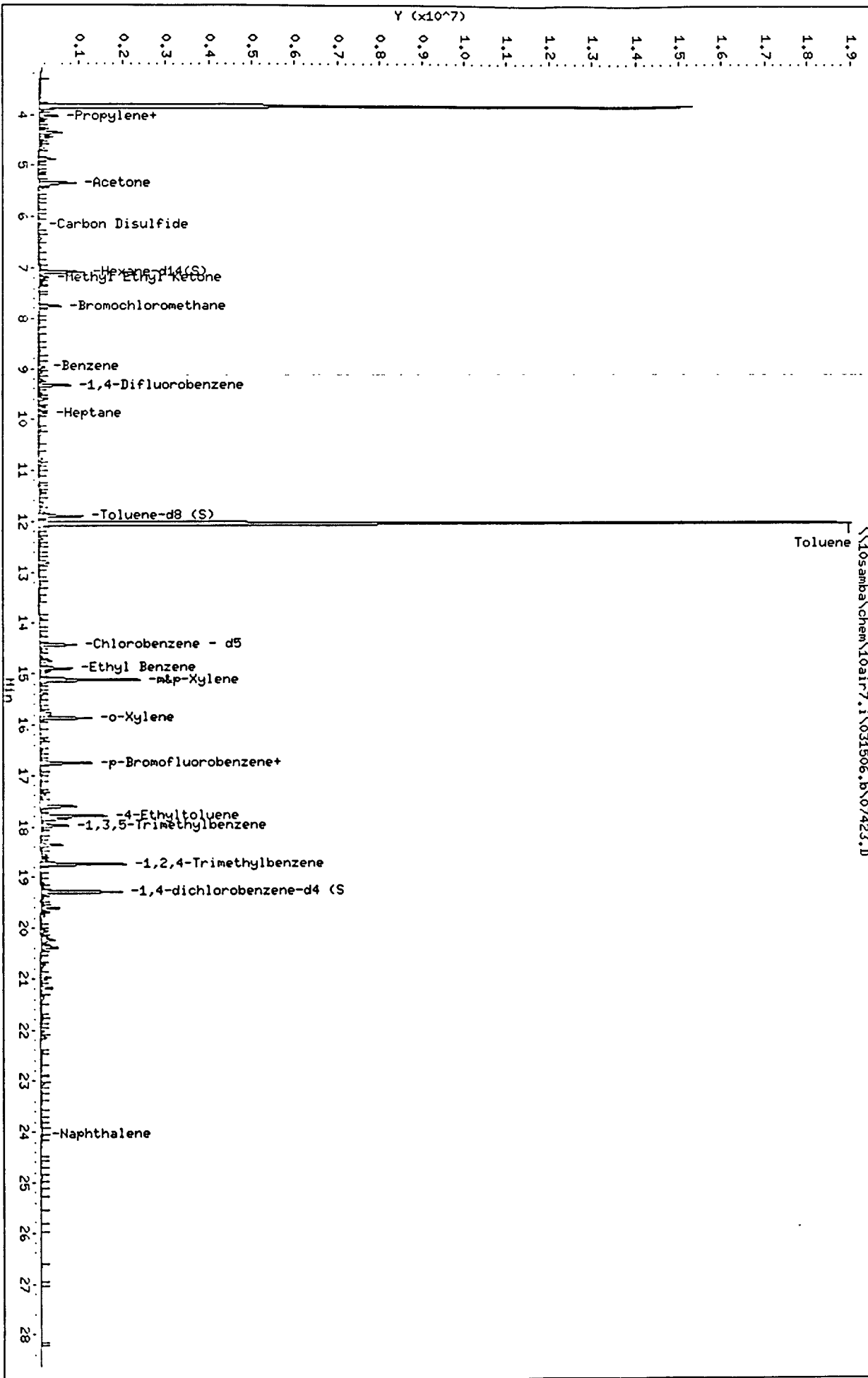
Sample Info:

Column phase: J&W DB-5

Instrument: 10air7.i

Operator: HRG

Column diameter: 0.32





Sample Condition Upon Receipt

Client Name: Carroll Project # 1028496

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 230194010

Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature AMB

Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 2-28-06 H

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>HR (CAR)</u>		
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions VOA, coliform TOC O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: _____

Note Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Data File: \\10samba\chem\10air7.i\031606.b\07512.D

Page 1

Report Date: 17-Mar-2006 14:27

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\10samba\chem\10air7.i\031606.b\07512.D

Lab Smp Id: 1028496001

Inj Date : 16-MAR-2006 16:22

Operator : HRG

Inst ID: 10air7.i

Smp Info :

Misc Info : 3600

Comment : Volatile Organic COMPOUNDS in Air

Method : \\10samba\chem\10air7.i\031606.b\LOWTO15_074.m

Meth Date : 17-Mar-2006 14:27 10air7.i Quant Type: ISTD

Cal Date : 15-MAR-2006 15:14 Cal File: 07410.D

Als bottle: 12

Dil Factor: 29.60000

Integrator: HP RTE

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10VOL1

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
------	-------	-------------

DF 29.600 Dilution Factor

Uf 1.000 ng unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
-----	----	----	-----	-----	-----	-----	-----
2 Propylene	41	4.021	4.021	(0.431)	35597	2.82249	83.5
5 Dichlorodifluoromethane	85	Compound Not Detected.					
4 Chloromethane	50	Compound Not Detected.					
6 Dichlorotetrafluoroethane	85	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
11 Trichlorofluoromethane	101	Compound Not Detected.					
12 Acetone	43	5.340	5.336	(0.572)	177513	4.41720	131
15 1,1-Dichloroethene	61	Compound Not Detected.					
16 Freon 113	101	Compound Not Detected.					
17 Methylene chloride	49	Compound Not Detected.					
18 Carbon Disulfide	76	Compound Not Detected.					
19 trans-1,2-dichloroethene	96	Compound Not Detected.					
20 Methyl Tert Butyl Ether	73	Compound Not Detected.					
21 1,1-Dichloroethane	63	Compound Not Detected.					
22 Vinyl Acetate	43	Compound Not Detected.					
23 Methyl Ethyl Ketone	43	Compound Not Detected.					
24 n-Hexane	57	7.280	7.273	(0.780)	353481	14.7125	435(Q)

5 117 Hexane-di4(S)	66	7.081	7.074 (0.759)	321352	12.1786	12.2
---------------------	----	-------	---------------	--------	---------	------

25 cis-1,2-Dichloroethene	96	Compound Not Detected.				
---------------------------	----	------------------------	--	--	--	--

26 Ethyl Acetate	43	Compound Not Detected.				
------------------	----	------------------------	--	--	--	--

Report Date: 17-Mar-2006 14:27

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)
-----	----	-----	-----	-----	-----	-----	-----
* 114 Bromochloromethane	130	7.755	7.748	(1.000)	174598	10.0000	(Q)
27 Chloroform	83	Compound Not Detected.					
28 Tetrahydrofuran	42	Compound Not Detected.					
29 1,1,1-Trichloroethane	97	Compound Not Detected.					
30 1,2-Dichloroethane	62	Compound Not Detected.					
31 Benzene	78	8.984	8.974	(0.963)	32357	0.99637	29.5(Q)
32 Carbon tetrachloride	117	Compound Not Detected.					
33 Cyclohexane	56	9.021	9.017	(0.967)	131648	7.27299	215(QM)
* 115 1,4-Difluorobenzene	114	9.333	9.326	(1.000)	590594	10.0000	
35 Heptane	43	9.874	9.874	(1.058)	156097	6.09106	180(M)
36 1,2-Dichloropropane	63	Compound Not Detected.					
37 Trichloroethene	130	Compound Not Detected.					
38 Bromodichloromethane	83	Compound Not Detected.					
40 Methyl Isobutyl Ketone	43	Compound Not Detected.					
41 cis-1,3-Dichloropropene	75	Compound Not Detected.					
42 trans-1,3-Dichloropropene	75	Compound Not Detected.					
43 Toluene	91	12.030	12.024	(1.289)	555605	14.2518	422
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
S 118 Toluene-d8 (S)	98	11.904	11.897	(1.275)	783086	13.5129	13.5(R)
45 Methyl Butyl Ketone	43	Compound Not Detected.					
47 Dibromochloromethane	129	Compound Not Detected.					

48	1,2-Dibromoethane	107	Compound Not Detected.				
49	Tetrachloroethene	166	Compound Not Detected.				
* 116	Chlorobenzene - d5	117	14.425	14.422	(1.000)	475661	10.0000
50	Chlorobenzene	112	Compound Not Detected.				
51	Ethyl Benzene	91	14.890	14.890	(1.032)	13365	0.24620 7.29
52	m,p-Xylene	91	15.113	15.120	(1.048)	37158	0.78367 23.2
53	Bromoform	173	Compound Not Detected.				
54	Styrene	104	Compound Not Detected.				
55	o-Xylene	91	15.864	15.864	(1.100)	12985	0.25803 7.64(Q)
56	1,1,1,2-Tetrachloroethane	83	Compound Not Detected.				
* 57	p-Bromofluorobenzene	95	16.754	16.754	(1.000)	412849	10.0000
58	Isopropylbenzene	105	Compound Not Detected.				
59	4-Ethyltoluene	105	Compound Not Detected.				
60	1,3,5-Trimethylbenzene	105	Compound Not Detected.				
61	1,2,4-Trimethylbenzene	105	18.731	18.737	(1.298)	20270	0.35789 10.6
64	1,3-Dichlorobenzene	146	Compound Not Detected.				
65	1,4-Dichlorobenzene	146	Compound Not Detected.				
S 119	1,4-dichlorobenzene-d4 (S)	150	19.289	19.289	(1.337)	645057	11.1251 11.1
68	1,2-Dichlorobenzene	146	Compound Not Detected.				
70	1,2,4-Trichlorobenzene	180	Compound Not Detected.				
71	Naphthalene	128	Compound Not Detected.				
72	Hexachlorobutadiene	225	Compound Not Detected.				

QC Flag Legend

Q - Qualifier signal failed the ratio test.

R - Spike/Surrogate failed recovery limits.

M - Compound response manually integrated.

Data File: \\10samba\chem\10air7.1\031606.b\07512.D

Report Date: 03/17/2006

Client ID:

Instrument: 10air7.i

Sample Information:

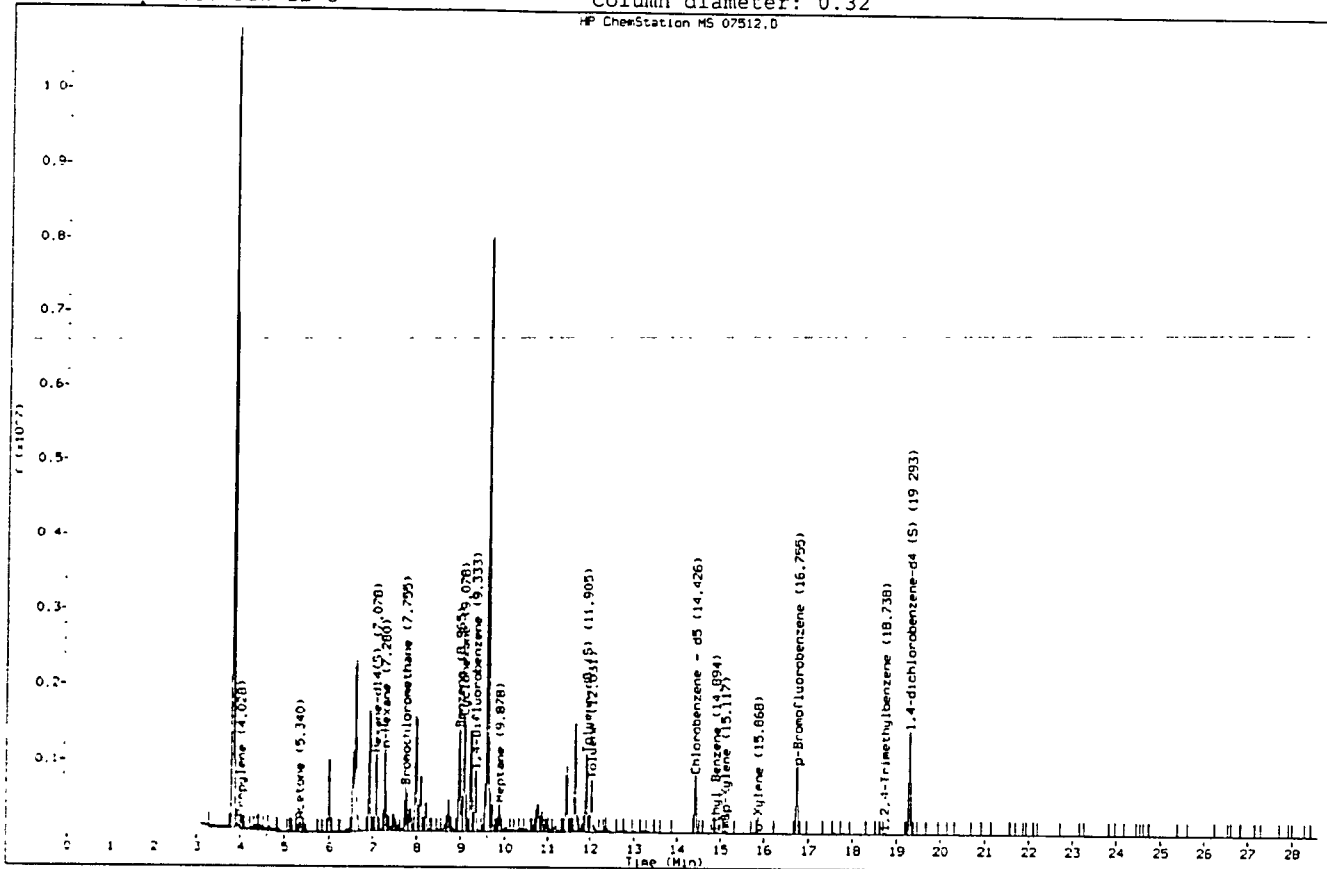
Purge Volume:

Operator: HRG

Column phase: J&W DB-5

Column diameter: 0.32

HP ChemStation MS 07512.D



Data File: \\10samba\chem\10air1.i\031306.b\07205.D

Page 1

Report Date: 15-Mar-2006 16:04

Pace Analytical Services

TO14 Source (UNIX)

Data file : \\10samba\chem\10air1.i\031306.b\07205.D

Lab Smp Id: 1028496002

Inj Date : 13-MAR-2006 17:25

Operator : LCW

Inst ID: 10air1.i

Smp Info :

Misc Info : 3586

Comment : Volatile Organic COMPOUNDS in Air

Method : \\10samba\chem\10air1.i\031306.b\TO14LP061.m

Meth Date : 13-Mar-2006 15:38 hgreen Quant Type: ESTD

Cal Date : 02-MAR-2006 08:54 Cal File: 06103.D

Als bottle: 5

Dil Factor: 143.00000

Integrator: HP RTE

Compound Sublist: mtbe+tol4.sub

Target Version: 4.14

Processing Host: AIRGROUP

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
------	-------	-------------

DF 143.000 Dilution Factor

Uf 1.000 ng unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ppmv)	FINAL (ppmv)	
1 Dichlorodifluoromethane	85				Compound Not Detected.			
2 Chloromethane	50				Compound Not Detected.			
3 Freon 114 (1,2-DICHLOROETHANE)	85				Compound Not Detected.			
4 Vinyl Chloride	62				Compound Not Detected.			
5 Bromomethane	94				Compound Not Detected.			
6 Chloroethane	64				Compound Not Detected.			
7 Trichlorofluoromethane	101				Compound Not Detected.			
9 1,1-Dichloroethene	96				Compound Not Detected.			
10 Freon 113	101				Compound Not Detected.			
11 Methylene Chloride	84				Compound Not Detected.			
83 trans-1,2-Dichloroethene	61				Compound Not Detected.			
79 Methyl-tert-butyl-ether	73				Compound Not Detected.			
12 1,1-Dichloroethane	63				Compound Not Detected.			
89 Hexane	57	7.231	7.245	-0.014	23575	0.89326	127.7	
13 cis-1,2-Dichloroethene	96				Compound Not Detected.			
14 Chloroform	83				Compound Not Detected.			
15 1,1,1-Trichloroethane	97				Compound Not Detected.			
16 1,2-Dichloroethane	62				Compound Not Detected.			
17 Benzene	78	8.552	8.567	-0.015	4795	0.10240	14.64	
18 Carbon Tetrachloride	117				Compound Not Detected.			

19 1,2-Dichloropropane 63 Compound Not Detected.

20 Trichloroethene 130 Compound Not Detected.

21 cis-1,3-Dichloropropene 75 Compound Not Detected.

Report Date: 15-Mar-2006 16:04

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ppmv)	FINAL (ppmv)
-----	----	----	-----	-----	-----	-----	-----
22 trans-1,3-Dichloropropene	75				Compound Not Detected.		
23 Toluene	92				Compound Not Detected.		
24 1,1,2-Trichloroethane	97				Compound Not Detected.		
5 101 Toluene-d8 (S)	98				Compound Not Detected.		
25 1,2-Dibromoethane	107				Compound Not Detected.		
26 Tetrachloroethene	166				Compound Not Detected.		
27 Chlorobenzene	112				Compound Not Detected.		
28 Ethyl Benzene	106	12.688	12.702	-0.014	4184	0.25523	36.50
29 mp-Xylene	106	12.839	12.847	-0.008	15471	0.74372	106.4
30 Styrene	104				Compound Not Detected.		
31 o-Xylene	106				Compound Not Detected.		
32 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
33 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
34 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
35 1,3-Dichlorobenzene	146				Compound Not Detected.		
36 1,4-Dichlorobenzene	146				Compound Not Detected.		
37 1,2-Dichlorobenzene	146				Compound Not Detected.		
38 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
39 Hexachlorobutadiene	225				Compound Not Detected.		

Data File: \\10samba\chem\10air1.i\031306.b\07205.D

Report Date: 03/15/2006

Client ID:

Instrument: 10air1.i

Sample Information:

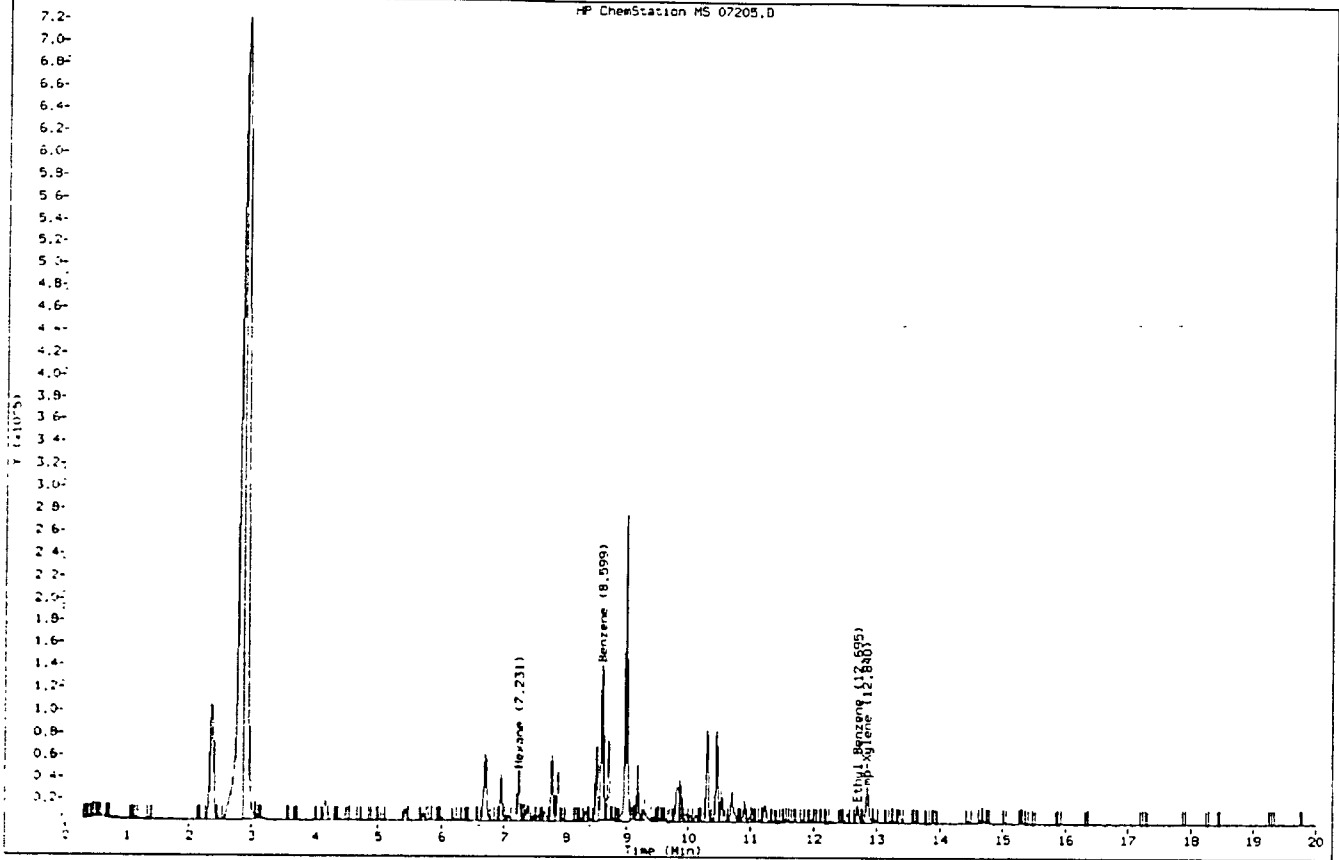
Purge Volume:

Operator: LCW

Column phase: J&W DB-5

Column diameter: 0.32

HP ChemStation MS 07205.D



Data File: \\10samba\chem\10air1.i\031406.b\07318.D

Page 1

Report Date: 15-Mar-2006 15:53

Pace Analytical Services

TO14 Source (UNIX)

Data file : \\10samba\chem\10air1.i\031406.b\07318.D

Lab Smp Id: 1028496002

Inj Date : 15-MAR-2006 00:57

Operator : LCW

Inst ID: 10air1.i

Smp Info :

Misc Info : 3586

Comment : Volatile Organic COMPOUNDS in Air

Method : \\10samba\chem\10air1.i\031406.b\TO14LP061.m

Meth Date : 15-Mar-2006 15:52 10air1.i Quant Type: ESTD

Cal Date : 02-MAR-2006 08:54

Cal File: 06103.D

Als bottle: 18

Dil Factor: 1.43000

Integrator: HP RTE

Compound Sublist: mtbe+tol4.sub

Target Version: 4.14

Processing Host: AIRGROUP

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
------	-------	-------------



DF 1.430 Dilution Factor

Uf 1.000 ng unit correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ppmv)	FINAL (ppmv)
-----	----	----	-----	-----	-----	-----	-----	-----	
1 Dichlorodifluoromethane	85								
2 Chloromethane	50								
3 Freon 114 (1,2-DICHLOROETHANE)	85								
4 Vinyl Chloride	62								
5 Bromomethane	94								
6 Chloroethane	64								
7 Trichlorofluoromethane	101								
9 1,1-Dichloroethene	96								
10 Freon 113	101								
11 Methylene Chloride	84								
83 trans-1,2-Dichloroethene	61								
79 Methyl-tert-butyl-ether	73								
12 1,1-Dichloroethane	63								
89 Hexane	57		7.150	7.196	-0.046	1822826	69.0674	98.77 (A)	
13 cis-1,2-Dichloroethene	96								
14 Chloroform	83								
15 1,1,1-Trichloroethane	97								
16 1,2-Dichloroethane	62								
17 Benzene	78		8.472	8.517	-0.045	423808	9.05106	12.94 (A)	
18 Carbon Tetrachloride	117								

19 1,2-Dichloropropane 63 Compound Not Detected.

20 Trichloroethene 130 Compound Not Detected.

21 cis-1,3-Dichloropropene 75 Compound Not Detected.

Report Date: 15-Mar-2006 15:53

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ppmv)	FINAL (ppmv)
-----	----	----	-----	-----	-----	-----	-----
22 trans-1,3-Dichloropropene	75				Compound Not Detected.		
23 Toluene	92	10.648	10.707	-0.059	150423	5.77305	8.26(A)
24 1,1,2-Trichloroethane	97				Compound Not Detected.		
9 101 Toluene-d8 (S)	98				Compound Not Detected.		
25 1,2-Dibromoethane	107				Compound Not Detected.		
26 Tetrachloroethene	166				Compound Not Detected.		
27 Chlorobenzene	112				Compound Not Detected.		
28 Ethyl Benzene	106	12.601	12.660	-0.059	313305	19.1121	27.33(A)
29 mp-Xylene	106	12.752	12.811	-0.059	982475	47.2297	67.54(A)
30 Styrene	104				Compound Not Detected.		
31 o-Xylene	106				Compound Not Detected.		
32 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
33 1,3,5-Trimethylbenzene	105	14.653	14.711	-0.058	98928	1.48433	2.12(AM)
34 1,2,4-Trimethylbenzene	105	15.172	15.224	-0.052	220553	3.88504	5.56(A)
35 1,3-Dichlorobenzene	146				Compound Not Detected.		
36 1,4-Dichlorobenzene	146				Compound Not Detected.		
37 1,2-Dichlorobenzene	146				Compound Not Detected.		
38 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
39 Hexachlorobutadiene	225				Compound Not Detected.		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

M - Compound response manually integrated.

Data File: \\10samba\chem\10air1.i\031406.b\07318.D

Report Date: 03/15/2006

Client ID:

Instrument: 10air1.i

Sample Information:

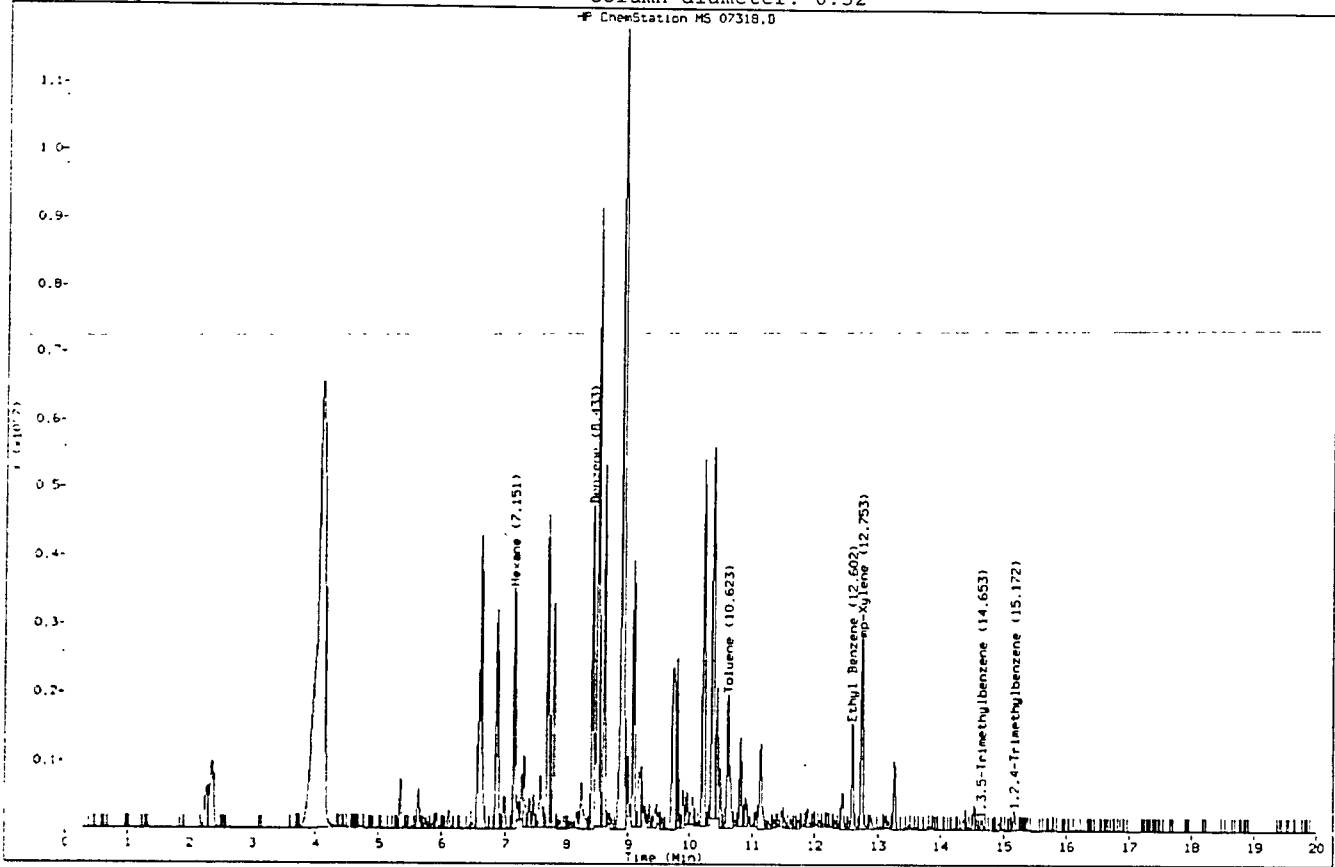
Purge Volume:

Operator: LCW

Column phase: J&W DB-5

Column diameter: 0.32

ChromStation MS 07318.D



Data File: \\10samba\chem\10air1.i\031606.b\07514.D

Page 1

Report Date: 17-Mar-2006 10:29

Pace Analytical Services

TO14 Source (UNIX)

Data file : \\10samba\chem\10air1.i\031606.b\07514.D

Lab Smp Id: 1028496003

Inj Date : 16-MAR-2006 19:51

Operator : LCW

Inst ID: 10air1.i

Smp Info :

Misc Info : 3597

Comment : Volatile Organic COMPOUNDS in Air

Method : \\10samba\chem\10air1.i\031606.b\TO14LP074.m

Meth Date : 17-Mar-2006 10:29 10air1.i Quant Type: ESTD

Cal Date : 02-MAR-2006 08:54 Cal File: 06103.D

Als bottle: 14

Dil Factor: 1.34000

Integrator: HP RTE

Compound Sublist: mtbe+tol4.sub

Target Version: 4.14

Processing Host: AIRGROUP

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
------	-------	-------------

DF 1.340 Dilution Factor

Uf 1.000 ng unit correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS

Compounds	QUANT	SIG						CONCENTRATIONS	
			RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ppmv)	FINAL (ppmv)	
1 Dichlorodifluoromethane	85		Compound Not Detected.						
2 Chloromethane	50		Compound Not Detected.						
3 Freon 114 (1,2-DICHLOROETHANE)	85		Compound Not Detected.						
4 Vinyl Chloride	62		Compound Not Detected.						
5 Bromomethane	94		Compound Not Detected.						
6 Chloroethane	64		Compound Not Detected.						
7 Trichlorofluoromethane	101		Compound Not Detected.						
9 1,1-Dichloroethene	96		Compound Not Detected.						
10 Freon 113	101		Compound Not Detected.						
11 Methylene Chloride	84		Compound Not Detected.						
83 trans-1,2-Dichloroethene	61		Compound Not Detected.						
79 Methyl-tert-butyl-ether	73		Compound Not Detected.						
12 1,1-Dichloroethane	63		Compound Not Detected.						
89 Hexane	57		7.097	7.242	-0.145	20067	0.58328	0.782	
13 cis-1,2-Dichloroethene	96		Compound Not Detected.						
14 Chloroform	83		Compound Not Detected.						
15 1,1,1-Trichloroethane	97		Compound Not Detected.						
16 1,2-Dichloroethane	62		Compound Not Detected.						
17 Benzene	78		Compound Not Detected.						
18 Carbon Tetrachloride	117		Compound Not Detected.						

19 1,2-Dichloropropane 63 Compound Not Detected.

20 Trichloroethene 130 Compound Not Detected.

21 cis-1,3-Dichloropropene 75 Compound Not Detected.

Report Date: 17-Mar-2006 10:29

CONCENTRATIONS

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ppmv)	FINAL (ppmv)
22 trans-1,3-Dichloropropene	75								Compound Not Detected.
23 Toluene	92		10.601	10.760	-0.159	8327	0.27155	0.364	
24 1,1,2-Trichloroethane	97								Compound Not Detected.
9 101 Toluene-d8 (S)	98								Compound Not Detected.
25 1,2-Dibromoethane	107								Compound Not Detected.
26 Tetrachloroethene	166								Compound Not Detected.
27 Chlorobenzene	112								Compound Not Detected.
28 Ethyl Benzene	106		12.567	12.706	-0.139	6510	0.34858	0.467 (M)	
29 mp-Xylene	106		12.712	12.857	-0.145	26689	1.04834	1.40	
30 Styrene	104								Compound Not Detected.
31 o-Xylene	106		13.225	13.370	-0.145	8831	0.33727	0.452	
32 1,1,2,2-Tetrachloroethane	83								Compound Not Detected.
33 1,3,5-Trimethylbenzene	105								Compound Not Detected.
34 1,2,4-Trimethylbenzene	105		15.151	15.270	-0.119	10240	0.18107	0.243	
35 1,3-Dichlorobenzene	146								Compound Not Detected.
36 1,4-Dichlorobenzene	146								Compound Not Detected.
37 1,2-Dichlorobenzene	146								Compound Not Detected.
38 1,2,4-Trichlorobenzene	180								Compound Not Detected.
39 Hexachlorobutadiene	225								Compound Not Detected.

QC Flag Legend

M - Compound response manually integrated.

Data File: \\10samba\chem\10air1.i\031606.b\07514.D

Report Date: 03/17/2006

Client ID:

Instrument: 10air1.i

Sample Information:

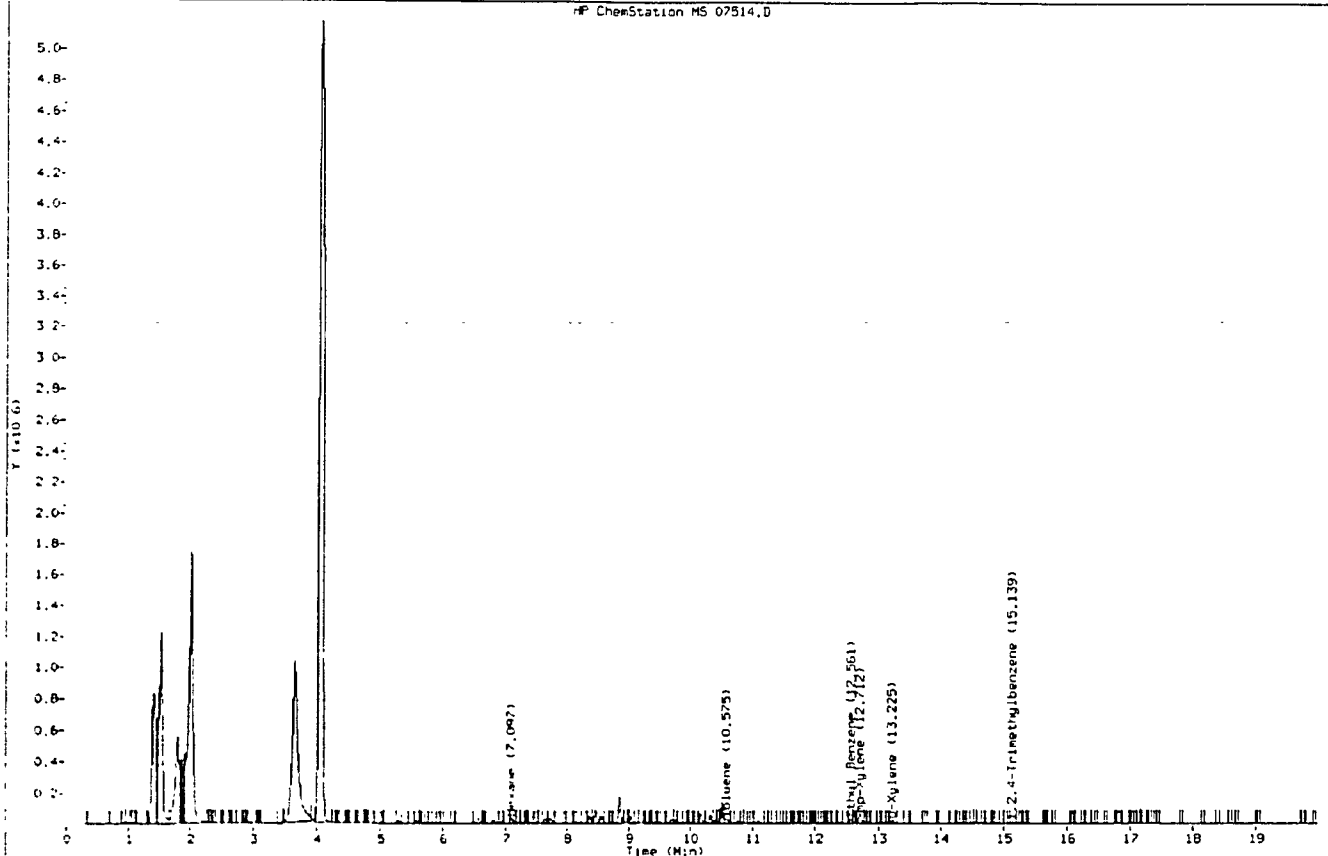
Purge Volume:

Operator: LCW

Column phase: J&W DB-5

Column diameter: 0.32

MS ChemStation MS 07514.D



Data File: \\10samba\chem\10air7.i\031306.b\07222.D

Page 1

Report Date: 16-Mar-2006 14:19

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\10samba\chem\10air7.i\031306.b\07222.D

Lab Smp Id: 1028496004

Inj Date : 14-MAR-2006 02:09

Operator : HRG

Inst ID: 10air7.i

Smp Info :

Misc Info :

Comment : Volatile Organic COMPOUNDS in Air

Method : \\10samba\chem\10air7.i\031306.b\LOWTO15_072.m

Meth Date : 16-Mar-2006 14:15 10air7.i Quant Type: ISTD

Cal Date : 13-MAR-2006 18:04 Cal File: 07214L.D

Als bottle: 22

Dil Factor: 1.34000

Integrator: HP RTE

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10_VOA3

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
------	-------	-------------

DF 1.340 Dilution Factor

Uf 1.000 ng unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT	SIG					CONCENTRATIONS	
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
-----	----		-----	-----	-----	-----	-----	
2 Propylene	41							
5 Dichlorodifluoromethane	85							
4 Chloromethane	50							
6 Dichlorotetrafluoroethane	85							
7 Vinyl chloride	62							
8 1,3-Butadiene	54							
9 Bromomethane	94							
10 Chloroethane	64							
11 Trichlorofluoromethane	101							
12 Acetone	43							
15 1,1-Dichloroethene	61							
16 Freon 113	101							
17 Methylene chloride	49							
18 Carbon Disulfide	76							
19 trans-1,2-dichloroethene	96							
20 Methyl Tert Butyl Ether	73							
21 1,1-Dichloroethane	63							
22 Vinyl Acetate	43							
23 Methyl Ethyl Ketone	43							
24 n-Hexane	57							

5 117 Hexane-d14(S)	66	7.077	7.077 (0.759)	316645	10.0656	10.1
---------------------	----	-------	---------------	--------	---------	------

25 cis-1,2-Dichloroethene	96	Compound Not Detected.				
---------------------------	----	------------------------	--	--	--	--

26 Ethyl Acetate	43	Compound Not Detected.				
------------------	----	------------------------	--	--	--	--

Report Date: 16-Mar-2006 14:19

Compounds	QUANT SIG MASS	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
-----	----	----	-----	-----	-----	-----	-----
* 114 Bromochloromethane	130	7.755	7.751	(1.000)	159312	10.0000	
27 Chloroform	83				Compound Not Detected.		
28 Tetrahydrofuran	42				Compound Not Detected.		
29 1,1,1-Trichloroethane	97				Compound Not Detected.		
30 1,2-Dichloroethane	62				Compound Not Detected.		
31 Benzene	78				Compound Not Detected.		
32 Carbon tetrachloride	117				Compound Not Detected.		
33 Cyclohexane	56				Compound Not Detected.		
* 115 1,4-Difluorobenzene	114	9.329	9.326	(1.000)	507046	10.0000	
35 Heptane	43				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
37 Trichloroethene	130				Compound Not Detected.		
38 Bromodichloromethane	83				Compound Not Detected.		
40 Methyl Isobutyl Ketone	43				Compound Not Detected.		
41 cis-1,3-Dichloropropene	75				Compound Not Detected.		
42 trans-1,3-Dichloropropene	75				Compound Not Detected.		
43 Toluene	91				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
\$ 118 Toluene-d8 (S)	98	11.901	11.897	(1.276)	568071	9.99963	10.0
45 Methyl Butyl Ketone	43				Compound Not Detected.		
47 Dibromochloromethane	129				Compound Not Detected.		

48	1,2-Dibromoethane	107	Compound Not Detected.			
49	Tetrachloroethene	166	Compound Not Detected.			
* 116	Chlorobenzene - d5	117	14.425	14.422 (1.000)	409412	10.0000
50	Chlorobenzene	112	Compound Not Detected.			
51	Ethyl Benzene	91	Compound Not Detected.			
52	m&p-Xylene	91	Compound Not Detected.			
53	Bromoform	173	Compound Not Detected.			
54	Styrene	104	Compound Not Detected.			
55	o-Xylene	91	Compound Not Detected.			
56	1,1,1,2,2-Tetrachloroethane	83	Compound Not Detected.			
* 57	p-Bromofluorobenzene	95	16.751	16.751 (1.000)	360217	10.0000
58	Isopropylbenzene	105	Compound Not Detected.			
59	4-Ethyltoluene	105	Compound Not Detected.			
60	1,3,5-Trimethylbenzene	105	Compound Not Detected.			
61	1,2,4-Trimethylbenzene	105	Compound Not Detected.			
64	1,3-Dichlorobenzene	146	Compound Not Detected.			
65	1,4-Dichlorobenzene	146	Compound Not Detected.			
S 119	1,4-dichlorobenzene-d4 (S)	150	19.289	19.285 (1.337)	38006	8.88421 8.88 (Q)
68	1,2-Dichlorobenzene	146	Compound Not Detected.			
70	1,2,4-Trichlorobenzene	180	Compound Not Detected.			
71	Naphthalene	128	Compound Not Detected.			
72	Hexachlorobutadiene	225	Compound Not Detected.			

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\10samba\chem\10air7.1\031306.b\07222.D

Report Date: 03/16/2006

Client ID:

Instrument: 10air7.i

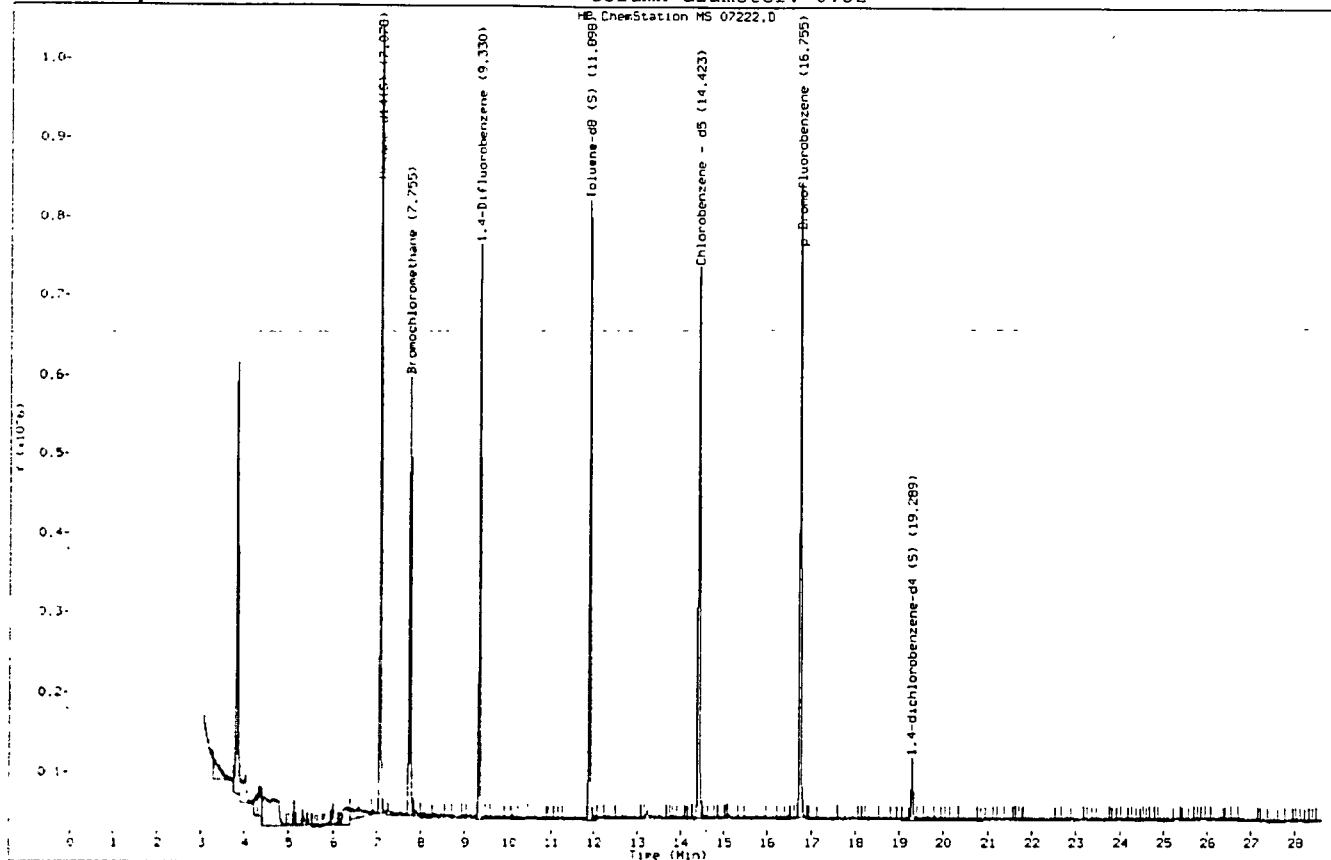
Sample Information:

Purge Volume:

Operator: HRG

Column phase: J&W DB-5

Column diameter: 0.32



Data File: \\10samba\chem\10air7.i\031506.b\07423.D

Page 1

Report Date: 16-Mar-2006 16:25

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\10samba\chem\10air7.i\031506.b\07423.D

Lab Smp Id: 1028496005

Inj Date : 16-MAR-2006 00:47

Operator : HRG

Inst ID: 10air7.i

Smp Info :

Misc Info : 3594

Comment : Volatile Organic COMPOUNDS in Air

Method : \\10samba\chem\10air7.i\031506.b\LOWTO15_074.m

Meth Date : 16-Mar-2006 15:20 10air7.i Quant Type: ISTD

Cal Date : 15-MAR-2006 12:31

Cal File: 07406L.D

Als bottle: 23

Dil Factor: 1.34000

Integrator: HP RTE

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10VOL1

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
------	-------	-------------

DF 1.340 Dilution Factor

Uf 1.000 ng unit correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS

Compounds	QUANT	SIG						ON-COLUMN	FINAL
			MASS	RT	EXP RT	REL RT	RESPONSE	(ppbv)	(ppbv)
-----	----		-----	-----	-----	-----	-----	-----	
2 Propylene	41		4.021	4.024	(0.431)	139474	12.2223	16.4	
5 Dichlorodifluoromethane	85		4.064	4.074	(0.436)	31196	0.48284	0.647	
4 Chloromethane	50		Compound Not Detected.						
6 Dichlorotetrafluoroethane	85		Compound Not Detected.						
7 Vinyl chloride	62		Compound Not Detected.						
8 1,3-Butadiene	54		Compound Not Detected.						
9 Bromomethane	94		Compound Not Detected.						
10 Chloroethane	64		Compound Not Detected.						
11 Trichlorofluoromethane	101		Compound Not Detected.						
12 Acetone	43		5.336	5.369	(0.572)	984086	22.6385	30.3(A)	
15 1,1-Dichloroethene	61		Compound Not Detected.						
16 Freon 113	101		Compound Not Detected.						
17 Methylene chloride	49		Compound Not Detected.						
18 Carbon Disulfide	76		6.197	6.210	(0.664)	44859	1.63671	2.19	
19 trans-1,2-dichloroethene	96		Compound Not Detected.						
20 Methyl Tert Butyl Ether	73		Compound Not Detected.						
21 1,1-Dichloroethane	63		Compound Not Detected.						
22 Vinyl Acetate	43		Compound Not Detected.						
23 Methyl Ethyl Ketone	43		7.193	7.210	(0.771)	262437	7.42640	9.95	
24 n-Hexane	57		Compound Not Detected.						

§ 117 Hexane-d14(S) 66 7.077 7.090 (0.759) 319726 13.3916 13.4(R)

25 cis-1,2-Dichloroethene 96 Compound Not Detected.

26 Ethyl Acetate 43 Compound Not Detected.

Report Date: 16-Mar-2006 16:25

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
* 114 Bromochloromethane	130		7.759	7.765	(1.000)	153005	10.0000	
27 Chloroform	83		Compound Not Detected.					
28 Tetrahydrofuran	42		Compound Not Detected.					
29 1,1,1-Trichloroethane	97		Compound Not Detected.					
30 1,2-Dichloroethane	62		Compound Not Detected.					
31 Benzene	78		8.977	8.987	(0.962)	64700	2.20190	2.95
32 Carbon tetrachloride	117		Compound Not Detected.					
33 Cyclohexane	56		Compound Not Detected.					
* 115 1,4-Difluorobenzene	114		9.329	9.336	(1.000)	534377	10.0000	
35 Heptane	43		9.571	9.684	(1.058)	78158	3.37065	4.52
36 1,2-Dichloropropane	63		Compound Not Detected.					
37 Trichloroethene	130		Compound Not Detected.					
38 Bromodichloromethane	93		Compound Not Detected.					
40 Methyl Isobutyl Ketone	43		Compound Not Detected.					
41 cis-1,3-Dichloropropene	75		Compound Not Detected.					
42 trans-1,3-Dichloropropene	75		Compound Not Detected.					
43 Toluene	91		12.050	12.033	(1.292)	21357128	605.465	811(A)
44 1,1,2-Trichloroethane	97		Compound Not Detected.					
S 118 Toluene-d8 (S)	98		11.904	11.907	(1.276)	779998	14.8756	14.9(R)
45 Methyl Butyl Ketone	43		Compound Not Detected.					
47 Dibromochloromethane	129		Compound Not Detected.					

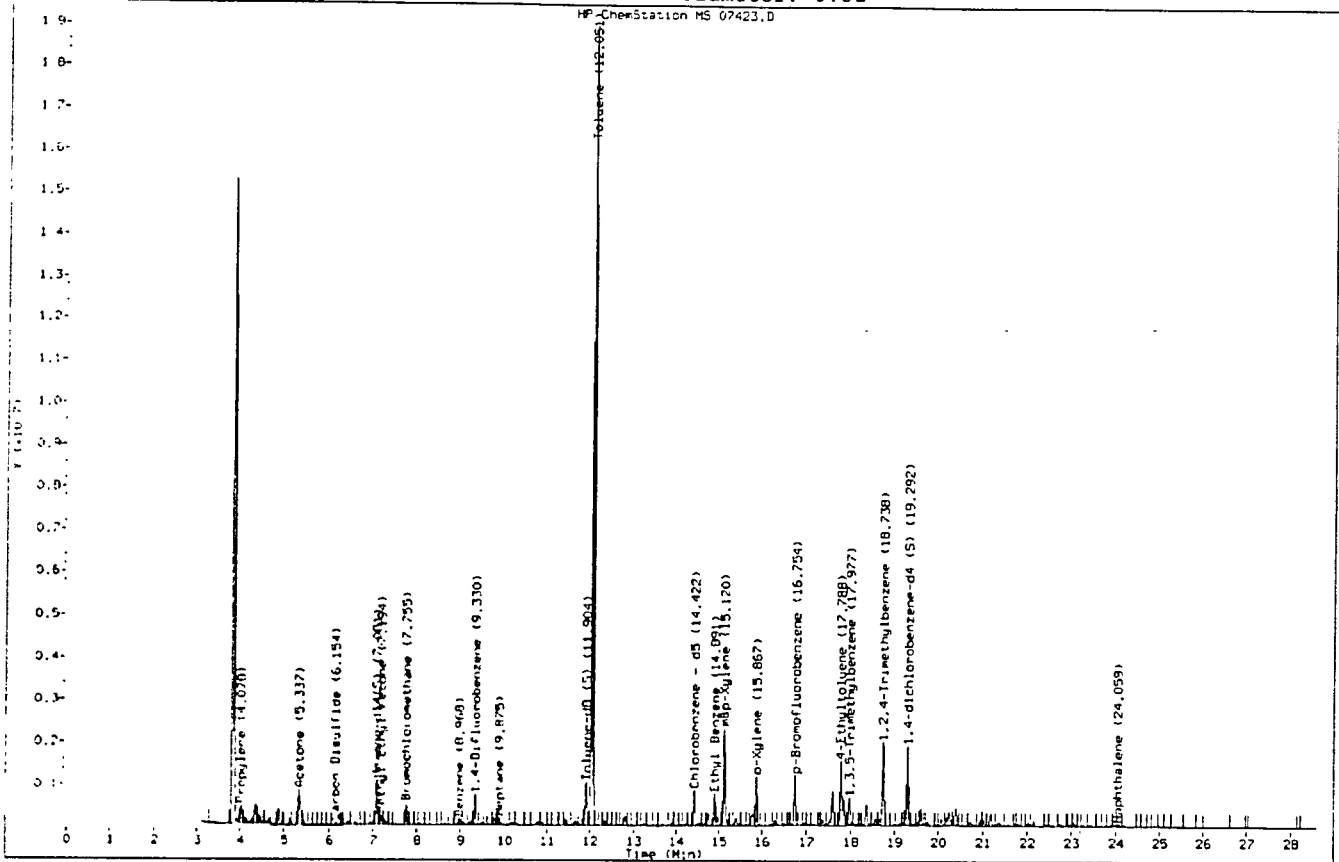
48	1,2-Dibromoethane	107	Compound Not Detected.					
49	Tetrachloroethene	166	Compound Not Detected.					
* 116	Chlorobenzene - d5	117	14.425	14.428	(1.000)	489108	10.0000	
50	Chlorobenzene	112	Compound Not Detected.					
51	Ethyl Benzene	91	14.890	14.897	(1.032)	717929	12.8614	17.2
52	m&p-Xylene	91	15.116	15.123	(1.048)	2047416	41.9934	56.3(A)
53	Bromoform	173	Compound Not Detected.					
54	Styrene	104	Compound Not Detected.					
55	o-Xylene	91	15.864	15.870	(1.100)	975823	18.8577	25.3
56	1,1,1,2-Tetrachloroethane	83	Compound Not Detected.					
* 57	p-Bromofluorobenzene	95	16.751	16.757	(1.000)	490136	10.0000	
58	Isopropylbenzene	105	16.744	16.751	(1.161)	95026	1.41616	1.90
59	4-Ethyltoluene	105	17.847	17.850	(1.237)	508666	8.51993	11.4(M)
60	1,3,5-Trimethylbenzene	105	17.976	17.976	(1.246)	517346	9.27125	12.4
61	1,2,4-Trimethylbenzene	105	18.740	18.744	(1.299)	1574056	27.0278	36.2(A)
64	1,3-Dichlorobenzene	146	Compound Not Detected.					
65	1,4-Dichlorobenzene	146	Compound Not Detected.					
S 119	1,4-dichlorobenzene-d4 (S)	150	19.292	19.292	(1.337)	900952	15.1113	15.1(R)
68	1,2-Dichlorobenzene	146	Compound Not Detected.					
70	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
71	Naphthalene	128	24.066	24.062	(1.668)	55899	1.24700	1.67
72	Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: \\10samba\chem\10air7.1\031506.b\07423.D
Report Date: 03/16/2006
Client ID:
Sample Information:
Purge Volume:
Column phase: J&W DB-5

Instrument: 10air7.i
Operator: HRG
Column diameter: 0.32



Data File: \\10samba\chem\10air7.i\031706.b\07614.D

Page 1

Report Date: 20-Mar-2006 09:45

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\10samba\chem\10air7.i\031706.b\07614.D

Lab Smp Id: 1028496005

Inj Date : 17-MAR-2006 19:59

Operator : HRG

Inst ID: 10air7.i

Smp Info :

Misc Info : 3594

Comment : Volatile Organic COMPOUNDS in Air

Method : \\10samba\chem\10air7.i\031706.b\LOWTO15_076.m

Meth Date : 17-Mar-2006 16:10 hgreen Quant Type: ISTD

Cal Date : 17-MAR-2006 14:41 Cal File: 07609.D

Als bottle: 14

Dil Factor: 214.40000

Integrator: HP RTE

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10EXTRA

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
------	-------	-------------

DF 214.400 Dilution Factor

Uf 1.000 ng unit correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS

Compounds	QUANT	SIG					CONCENTRATIONS	
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
-----	-----	-----	-----	-----	-----	-----	-----	
2 Propylene	41					Compound Not Detected.		
5 Dichlorodifluoromethane	85					Compound Not Detected.		
4 Chloromethane	50					Compound Not Detected.		
6 Dichlorotetrafluoroethane	85					Compound Not Detected.		
7 Vinyl chloride	62					Compound Not Detected.		
8 1,3-Butadiene	54					Compound Not Detected.		
9 Bromomethane	94					Compound Not Detected.		
10 Chloroethane	64					Compound Not Detected.		
11 Trichlorofluoromethane	101					Compound Not Detected.		
12 Acetone	43					Compound Not Detected.		
15 1,1-Dichloroethene	61					Compound Not Detected.		
16 Freon 113	101					Compound Not Detected.		
17 Methylene chloride	49					Compound Not Detected.		
18 Carbon Disulfide	76					Compound Not Detected.		
19 trans-1,2-dichloroethene	96					Compound Not Detected.		
20 Methyl Tert Butyl Ether	73					Compound Not Detected.		
21 1,1-Dichloroethane	63					Compound Not Detected.		
22 Vinyl Acetate	43					Compound Not Detected.		
23 Methyl Ethyl Ketone	43					Compound Not Detected.		
24 n-Hexane	57					Compound Not Detected.		

S 117 Hexane-d14(S)	66	7.074	7.081 (0.758)	300362	12.9178	12.9
---------------------	----	-------	---------------	--------	---------	------

25 cis-1,2-Dichloroethene	96	Compound Not Detected.				
---------------------------	----	------------------------	--	--	--	--

26 Ethyl Acetate	43	Compound Not Detected.				
------------------	----	------------------------	--	--	--	--

Report Date: 20-Mar-2006 09:45

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)
* 114 Bromochloromethane	130	7.755	7.759	(1.000)	157386	10.0000	
27 Chloroform	83	Compound Not Detected.					
28 Tetrahydrofuran	42	Compound Not Detected.					
29 1,1,1-Trichloroethane	97	Compound Not Detected.					
30 1,1-Dichloroethane	62	Compound Not Detected.					
31 Benzene	78	Compound Not Detected.					
32 Carbon tetrachloride	117	Compound Not Detected.					
33 Cyclohexane	56	Compound Not Detected.					
* 115 1,4-Difluorobenzene	114	9.329	9.336	(1.000)	536815	10.0000	
35 Heptane	43	Compound Not Detected.					
36 1,2-Dichloropropane	63	Compound Not Detected.					
37 Trichloroethene	130	Compound Not Detected.					
38 Bromodichloromethane	83	Compound Not Detected.					
40 Methyl Isobutyl Ketone	43	Compound Not Detected.					
41 cis-1,3-Dichloropropene	75	Compound Not Detected.					
42 trans-1,3-Dichloropropene	75	Compound Not Detected.					
43 Toluene	91	12.030	12.027	(1.289)	35690	0.46819	100(Q)
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
5 118 Toluene-d8 (S)	98	11.900	11.901	(1.276)	648501	13.4754	13.5(R)
45 Methyl Butyl Ketone	43	Compound Not Detected.					
47 Dibromochloromethane	129	Compound Not Detected.					

48	1,2-Dibromoethane	107	Compound Not Detected.			
49	Tetrachloroethene	166	Compound Not Detected.			
* 116	Chlorobenzene - d5	117	14.425	14.429 (1.000)	479394	10.0000
50	Chlorobenzene	112	Compound Not Detected.			
51	Ethyl Benzene	91	Compound Not Detected.			
52	m,p-Xylene	91	Compound Not Detected.			
53	Bromoform	173	Compound Not Detected.			
54	Styrene	104	Compound Not Detected.			
55	o-Xylene	91	Compound Not Detected.			
56	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.			
* 57	p-Bromofluorobenzene	95	16.754	16.758 (1.000)	426182	10.0000
58	isopropylbenzene	105	Compound Not Detected.			
59	4-Ethyltoluene	105	Compound Not Detected.			
60	1,3,5-Trimethylbenzene	105	Compound Not Detected.			
61	1,2,4-Trimethylbenzene	105	Compound Not Detected.			
64	1,3-Dichlorobenzene	146	Compound Not Detected.			
65	1,4-Dichlorobenzene	146	Compound Not Detected.			
\$ 119	1,4-dichlorobenzene-d4 (S)	150	19.292	19.292 (1.337)	547482	10.7287 10.7
68	1,2-Dichlorobenzene	146	Compound Not Detected.			
70	1,2,4-Trichlorobenzene	180	Compound Not Detected.			
71	Naphthalene	128	Compound Not Detected.			
72	Hexachlorobutadiene	225	Compound Not Detected.			

QC Flag Legend

Q - Qualifier signal failed the ratio test.

R - Spike/Surrogate failed recovery limits.

Data File: \\10samba\chem\10air7.1\031706.b\07614.D

Report Date: 03/20/2006

Client ID:

Instrument: 10air7.i

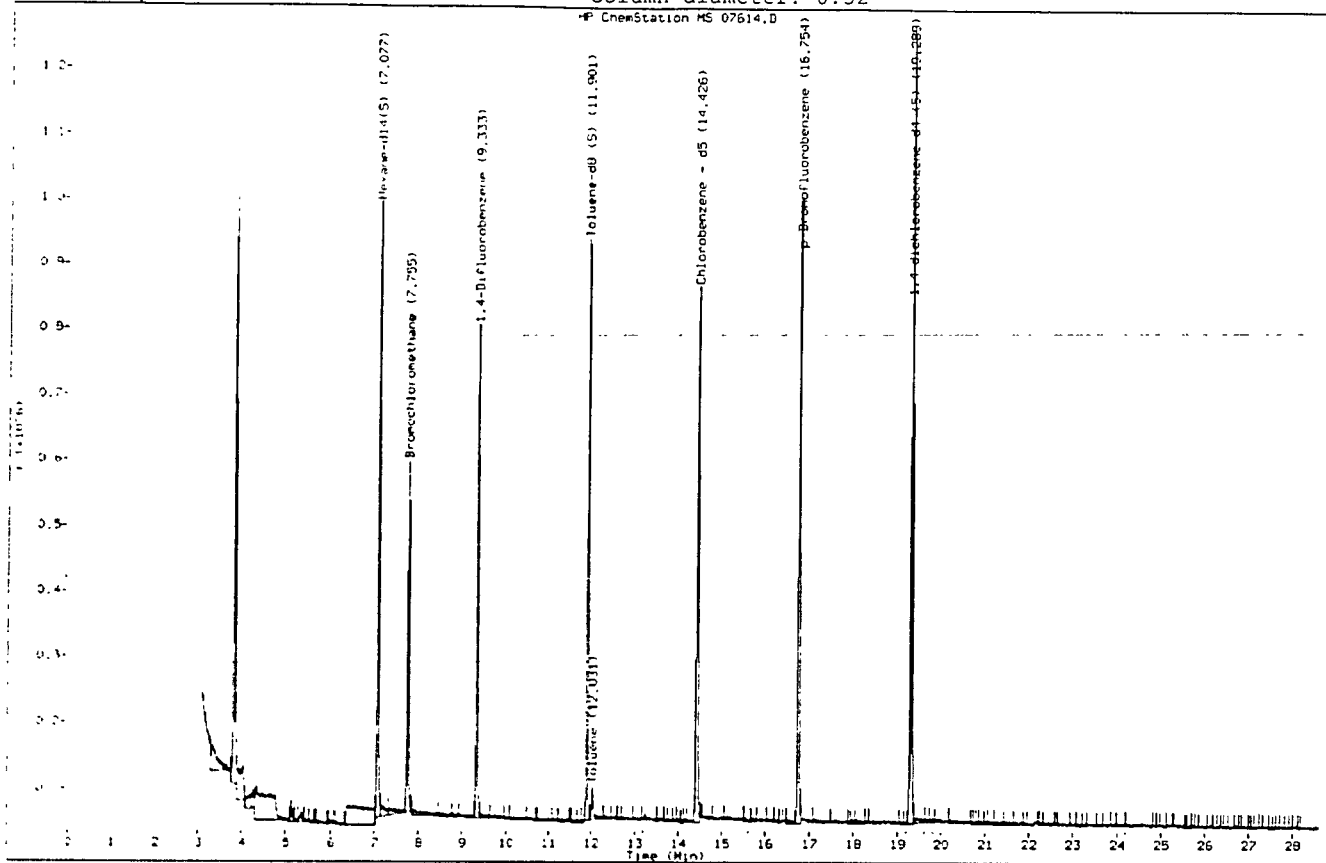
Sample Information:

Purge Volume:

Operator: HRG

Column phase: J&W DB-5

Column diameter: 0.32



March 23, 2006

Scott Hunke
Coteau Environmental
728 Janes Circle Drive SW
Alexandria, MN 56308


RE: Project: KC KWIK STOP BROOTEN
Pace Project No.: 1029198

Dear Scott Hunke:

Enclosed are the analytical results for sample(s) received by the laboratory on March 15, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daryl Peterson

daryl.peterson@pacelabs.com
Project Manager

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



SAMPLE SUMMARY

Project: KC KWIK STOP BROOTEN

Pace Project No.: 1029198

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1029198001	110 S. WESTERN AVE	Air	03/14/06 10:00	03/15/06 17:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



SAMPLE ANALYTE COUNT

Project: KC KWIK STOP BROOTEN
Pace Project No.: 1029198

Lab ID	Sample ID	Method	Analytes Reported
1029198001	110 S WESTERN AVE	TO-15	58

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN
Pace Project No.: 1029198

Sample: 110 S. WESTERN AVE Lab ID: 1029198001 Collected: 03/14/06 10:00 Received: 03/15/06 17:30 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	33.0	ug/m3	3.3	6.9		03/22/06 15:09	67-64-1	1
Benzene	ND	ug/m3	4.5	6.9		03/22/06 15:09	71-43-2	
Bromodichloromethane	ND	ug/m3	9.7	6.9		03/22/06 15:09	75-27-4	
Bromoform	ND	ug/m3	14.5	6.9		03/22/06 15:09	75-25-2	
Bromomethane	ND	ug/m3	5.5	6.9		03/22/06 15:09	74-83-9	
1,3-Butadiene	ND	ug/m3	3.1	6.9		03/22/06 15:09	106-99-0	
2-Butanone (MEK)	ND	ug/m3	4.1	6.9		03/22/06 15:09	78-93-3	
Carbon disulfide	ND	ug/m3	4.3	6.9		03/22/06 15:09	75-15-0	
Carbon tetrachloride	ND	ug/m3	9.0	6.9		03/22/06 15:09	56-23-5	
Chlorobenzene	ND	ug/m3	6.5	6.9		03/22/06 15:09	108-90-7	
Chloroethane	ND	ug/m3	3.7	6.9		03/22/06 15:09	75-00-3	
Chloroform	ND	ug/m3	6.8	6.9		03/22/06 15:09	67-66-3	
Chloromethane	ND	ug/m3	2.9	6.9		03/22/06 15:09	74-87-3	
Cyclohexane	ND	ug/m3	4.7	6.9		03/22/06 15:09	110-82-7	
Dibromochloromethane	ND	ug/m3	11.7	6.9		03/22/06 15:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	11.0	6.9		03/22/06 15:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	8.3	6.9		03/22/06 15:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	8.3	6.9		03/22/06 15:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	8.3	6.9		03/22/06 15:09	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	6.9	6.9		03/22/06 15:09	75-71-8	2
1,1-Dichloroethane	ND	ug/m3	5.7	6.9		03/22/06 15:09	75-34-3	
1,2-Dichloroethane	ND	ug/m3	5.7	6.9		03/22/06 15:09	107-06-2	
1,1-Dichloroethene	ND	ug/m3	5.6	6.9		03/22/06 15:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	5.6	6.9		03/22/06 15:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	5.6	6.9		03/22/06 15:09	156-60-5	
1,2-Dichloropropane	ND	ug/m3	6.5	6.9		03/22/06 15:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	6.3	6.9		03/22/06 15:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	6.3	6.9		03/22/06 15:09	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	9.7	6.9		03/22/06 15:09	76-14-2	
Ethyl acetate	ND	ug/m3	5.0	6.9		03/22/06 15:09	141-78-6	
Ethylbenzene	133	ug/m3	6.1	6.9		03/22/06 15:09	100-41-4	
4-Ethyltoluene	ND	ug/m3	17.2	6.9		03/22/06 15:09	622-96-8	
n-Heptane	ND	ug/m3	5.7	6.9		03/22/06 15:09	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	15.2	6.9		03/22/06 15:09	87-68-3	
n-Hexane	ND	ug/m3	5.0	6.9		03/22/06 15:09	110-54-3	
2-Hexanone	ND	ug/m3	5.7	6.9		03/22/06 15:09	591-78-6	
Methylene Chloride	ND	ug/m3	4.9	6.9		03/22/06 15:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.7	6.9		03/22/06 15:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	5.0	6.9		03/22/06 15:09	1634-04-4	
Naphthalene	ND	ug/m3	18.6	6.9		03/22/06 15:09	91-20-3	
Propylene	ND	ug/m3	2.4	6.9		03/22/06 15:09	115-07-1	
Styrene	ND	ug/m3	6.0	6.9		03/22/06 15:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	9.7	6.9		03/22/06 15:09	79-34-5	
Tetrachloroethene	ND	ug/m3	9.7	6.9		03/22/06 15:09	127-18-4	
Tetrahydrofuran	ND	ug/m3	4.1	6.9		03/22/06 15:09	109-99-9	
Toluene	16.8	ug/m3	5.3	6.9		03/22/06 15:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	6.8	6.9		03/22/06 15:09	120-82-1	

Date: 03/23/2006 12:51 PM

REPORT OF LABORATORY ANALYSIS

Page 4 of 12

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc



ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN
Pace Project No.. 1029198

Sample: 110 S. WESTERN AVE Lab ID: 1029198001 Collected: 03/14/06 10:00 Received: 03/15/06 17:30 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	7.6	6.9		03/22/06 15:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	7.6	6.9		03/22/06 15:09	79-00-5	
Trichloroethene	21.6	ug/m3	7.6	6.9		03/22/06 15:09	79-01-6	
Trichlorofluoromethane	ND	ug/m3	7.6	6.9		03/22/06 15:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	11.0	6.9		03/22/06 15:09	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	17.2	6.9		03/22/06 15:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	17.2	6.9		03/22/06 15:09	108-67-8	
Vinyl acetate	ND	ug/m3	4.9	6.9		03/22/06 15:09	108-05-4	
Vinyl chloride	ND	ug/m3	3.6	6.9		03/22/06 15:09	75-01-4	
m&p-Xylene	415	ug/m3	12.1	6.9		03/22/06 15:09	1330-20-7	
o-Xylene	94.1	ug/m3	6.1	6.9		03/22/06 15:09	95-47-6	



ANALYTICAL RESULTS QUALIFIERS

Project: KC KWIK STOP BROOTEN
Pace Project No.: 1029198

PARAMETER QUALIFIERS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

ANALYTE QUALIFIERS

- [1] Analyte is found in the associated method blank as well as in the sample (CLP B-Flag).
- [2] Poor internal standard responses were observed in this sample. Analysis of the subsequent dilution yielded similar results, indicating a sample matrix effect. No further corrective action was taken.



QUALITY CONTROL DATA

Project: KC KWIK STOP BROOTEN
Pace Project No.: 1029198

QC Batch: AIR/3635 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 1029198001

METHOD BLANK: 199448
Associated Lab Samples: 1029198001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1-Dichloroethane	ug/m3	ND	0.82	
1,1-Dichloroethene	ug/m3	ND	0.81	
1,1,1-Trichloroethane	ug/m3	ND	1.1	
1,1,2-Trichloroethane	ug/m3	ND	1.1	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	
1,2-Dichlorobenzene	ug/m3	ND	1.2	
1,2-Dichloroethane	ug/m3	ND	0.82	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	
1,2-Dichloropropane	ug/m3	ND	0.94	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	
1,3-Butadiene	ug/m3	ND	0.45	
1,3-Dichlorobenzene	ug/m3	ND	1.2	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	
1,4-Dichlorobenzene	ug/m3	ND	1.2	
2-Butanone (MEK)	ug/m3	ND	0.60	
2-Hexanone	ug/m3	ND	0.83	
4-Ethyltoluene	ug/m3	ND	2.5	
Carbon disulfide	ug/m3	ND	0.63	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	
Acetone	ug/m3	0.79	0.48	
Benzene	ug/m3	ND	0.65	
Bromodichloromethane	ug/m3	ND	1.4	
Bromomethane	ug/m3	ND	0.79	
Bromoform	ug/m3	ND	2.1	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	
Carbon tetrachloride	ug/m3	ND	1.3	
Cyclohexane	ug/m3	ND	0.68	
Chlorobenzene	ug/m3	ND	0.94	
Chloroethane	ug/m3	ND	0.54	
Chloroform	ug/m3	ND	0.99	
Chloromethane	ug/m3	ND	0.42	
Dibromochloromethane	ug/m3	ND	1.7	
Dichlorodifluoromethane	ug/m3	ND	1.0	
Ethyl acetate	ug/m3	ND	0.73	
Ethylbenzene	ug/m3	ND	0.88	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	
Methylene Chloride	ug/m3	ND	0.71	
Methyl-tert-butyl ether	ug/m3	ND	0.73	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	
m&p-Xylene	ug/m3	ND	1.8	
Naphthalene	ug/m3	ND	2.7	

Date: 03/23/2006 12.51 PM

REPORT OF LABORATORY ANALYSIS

Page 7 of 12

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc



QUALITY CONTROL DATA

Project KC KWIK STOP BROOTEN
Pace Project No.: 1029198

METHOD BLANK: 199448

Associated Lab Samples: 1029198001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
n-Heptane	ug/m3	ND	0.83	
n-Hexane	ug/m3	ND	0.72	
o-Xylene	ug/m3	ND	0.88	
Propylene	ug/m3	ND	0.35	
Styrene	ug/m3	ND	0.87	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	
Tetrachloroethene	ug/m3	ND	1.4	
Tetrahydrofuran	ug/m3	ND	0.60	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	
Toluene	ug/m3	ND	0.77	
Trichloroethene	ug/m3	ND	1.1	
Trichlorofluoromethane	ug/m3	ND	1.1	
Vinyl acetate	ug/m3	ND	0.71	
Vinyl chloride	ug/m3	ND	0.52	

LABORATORY CONTROL SAMPLE: 199449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/m3	43.6	47.9	110	59-136	
1,1-Dichloroethene	ug/m3	41.9	45.9	109	60-137	
1,1,1-Trichloroethane	ug/m3	58.3	64.4	111	60-134	
1,1,2-Trichloroethane	ug/m3	59.4	65.8	111	64-129	
1,1,2,2-Tetrachloroethane	ug/m3	74	91.2	123	55-141	
1,2,4-Trichlorobenzene	ug/m3	80.6	101	126	50-150	
1,2-Dichlorobenzene	ug/m3	64.8	81.8	126	60-139	
1,2-Dichloroethane	ug/m3	43.6	53.0	121	56-141	
1,2-Dibromoethane (EDB)	ug/m3	82.8	99.6	120	61-136	
1,2-Dichloropropane	ug/m3	49.4	54.6	111	57-131	
1,2,4-Trimethylbenzene	ug/m3	53	66.5	125	63-137	
1,3-Butadiene	ug/m3	24.3	25.7	106	53-140	
1,3-Dichlorobenzene	ug/m3	67.3	79.7	118	59-136	
1,3,5-Trimethylbenzene	ug/m3	52.5	67.1	128	61-134	
1,4-Dichlorobenzene	ug/m3	64.2	76.3	119	59-130	
2-Butanone (MEK)	ug/m3	32.4	39.0	120	54-133	
2-Hexanone	ug/m3	45.8	55.0	120	54-139	
4-Ethyltoluene	ug/m3	55	70.9	129	61-138	
Carbon disulfide	ug/m3	33.3	37.2	112	50-150	
Dichlorotetrafluoroethane	ug/m3	71.8	79.9	111	59-130	
Acetone	ug/m3	24.4	24.8	102	50-139 1	
Benzene	ug/m3	34.4	38.1	111	64-125	
Bromodichloromethane	ug/m3	70.9	84.2	119	61-131	
Bromomethane	ug/m3	40.3	45.4	113	55-135	
Bromoform	ug/m3	110	138	125	66-138	
cis-1,2-Dichloroethene	ug/m3	42.7	49.3	115	62-135	

Date: 03/23/2006 12:51 PM

REPORT OF LABORATORY ANALYSIS

Page 8 of 12

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: KC KWIK STOP BROOTEN
Pace Project No.: 1029198

LABORATORY CONTROL SAMPLE: 199449

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/m3	48.9	61.6	126	64-133	
Carbon tetrachloride	ug/m3	67.8	76.6	113	58-135	
Cyclohexane	ug/m3	35.7	37.1	104	54-139	
Chlorobenzene	ug/m3	49.6	54.5	110	62-139	
Chloroethane	ug/m3	27.1	29.0	107	56-140	
Chloroform	ug/m3	48.7	56.3	116	50-150	
Chloromethane	ug/m3	21	22.1	105	56-144	
Dibromochloromethane	ug/m3	95.3	106	111	50-150	
Dichlorodifluoromethane	ug/m3	50.8	54.2	107	60-130	
Ethyl acetate	ug/m3	35.9	46.4	129	60-132 3	
Ethylbenzene	ug/m3	46.4	56.4	122	65-140	
Hexachloro-1,3-butadiene	ug/m3	115	142	124	50-150	
Methylene Chloride	ug/m3	37.1	34.9	94	56-138	
Methyl-tert-butyl ether	ug/m3	38.1	43.0	113	50-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	45.8	56.6	124	53-139	
m&p-Xylene	ug/m3	92.7	108	117	60-132	
Naphthalene	ug/m3	55.4	72.1	130	70-130	
n-Heptane	ug/m3	43.3	51.8	120	62-135	
n-Hexane	ug/m3	35.8	39.7	111	62-134	
o-Xylene	ug/m3	46.8	59.1	126	64-132	
Propylene	ug/m3	18.4	18.4	100	56-125	
Styrene	ug/m3	45.9	59.2	129	69-134	
trans-1,2-Dichloroethene	ug/m3	39.9	44.2	111	50-150	
trans-1,3-Dichloropropene	ug/m3	50.8	68.6	135	70-142 3	
Tetrachloroethene	ug/m3	67.6	74.1	110	60-137	
Tetrahydrofuran	ug/m3	31.5	40.2	128	52-139 3	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	97.1	119	55-137	
Toluene	ug/m3	41	48.9	119	69-130	
Trichloroethene	ug/m3	56.8	62.4	110	60-134	
Trichlorofluoromethane	ug/m3	57.7	62.3	108	56-141	
Vinyl acetate	ug/m3	38.3	46.2	120	61-142	
Vinyl chloride	ug/m3	26.3	28.0	106	66-132	

SAMPLE DUPLICATE: 199450

Parameter	Units	1029031001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ug/m3	ND	ND	0	25	
1,1-Dichloroethene	ug/m3	ND	ND	0	25	
1,1,1-Trichloroethane	ug/m3	ND	ND	0	25	
1,1,2-Trichloroethane	ug/m3	ND	ND	0	25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND	0	25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND	0	25	
1,2-Dichlorobenzene	ug/m3	ND	ND	0	25	
1,2-Dichloroethane	ug/m3	ND	ND	0	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND	0	25	
1,2-Dichloropropane	ug/m3	ND	ND	0	25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND	19	25	

Date: 03/23/2006 12:51 PM

REPORT OF LABORATORY ANALYSIS

Page 9 of 12

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: KC KWIK STOP BROOTEN
Pace Project No.: 1029198

SAMPLE DUPLICATE: 199450

Parameter	Units	1029031001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Butadiene	ug/m3	ND	ND	0	25	
1,3-Dichlorobenzene	ug/m3	ND	ND	0	25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND	0	25	
1,4-Dichlorobenzene	ug/m3	ND	ND	0	25	
2-Butanone (MEK)	ug/m3	1.5	1.6	7	25	
2-Hexanone	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	ND	ND	0	25	
Carbon disulfide	ug/m3	ND	ND	0	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	
Acetone	ug/m3	10.8	11.6	7	25	1
Benzene	ug/m3	0.98	1.1	8	25	
Bromodichloromethane	ug/m3	ND	ND	0	25	
Bromomethane	ug/m3	ND	ND	0	25	
Bromoform	ug/m3	ND	ND	0	25	
cis-1,2-Dichloroethene	ug/m3	ND	ND	0	25	
cis-1,3-Dichloropropene	ug/m3	ND	ND	0	25	
Carbon tetrachloride	ug/m3	ND	ND	0	25	
Cyclohexane	ug/m3	ND	ND	0	25	
Chlorobenzene	ug/m3	ND	ND	0	25	
Chloroethane	ug/m3	ND	ND	0	25	
Chloroform	ug/m3	ND	ND	0	25	
Chloromethane	ug/m3	0.74	0.88	16	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	2.0	2.2	6	25	2
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	ND	ND	0	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	9.3	10.0	8	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
m&p-Xylene	ug/m3	4.5	5.1	12	25	
Naphthalene	ug/m3	ND	ND	0	25	
n-Heptane	ug/m3	1.3	1.5	8	25	
n-Hexane	ug/m3	1.1	1.1	4	25	
o-Xylene	ug/m3	ND	ND	0	25	
Propylene	ug/m3	ND	ND	0	25	
Styrene	ug/m3	ND	ND	0	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND	0	25	
trans-1,3-Dichloropropene	ug/m3	ND	ND	0	25	
Tetrachloroethene	ug/m3	ND	ND	0	25	
Tetrahydrofuran	ug/m3	ND	ND	0	25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND	0	25	
Toluene	ug/m3	3.0	3.2	6	25	
Trichloroethene	ug/m3	ND	ND	0	25	
Trichlorofluoromethane	ug/m3	ND	ND	0	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

QUALITY CONTROL DATA QUALIFIERS

Project. KC KWIK STOP BROOTEN
Pace Project No.: 1029198

QUALITY CONTROL PARAMETER QUALIFIERS

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

QUALITY CONTROL ANALYTE QUALIFIERS

- [1] Analyte is found in the associated method blank as well as in the sample (CLP B-Flag).
- [2] Poor internal standard responses were observed in this sample. Analysis of the subsequent dilution yielded similar results, indicating a sample matrix effect. No further corrective action was taken.
- [3] The continuing calibration for this compound is outside of method control limits. The result for this compound should be considered an estimation.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KC KWIK STOP BROOTEN
Pace Project No.: 1029198

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1029198001	110 S. WESTERN AVE	TO-15	AIR/3635		



CHAIN-OF-CUSTODY Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of
0979318

1029/98

Section B

Report To: **COTEAN**
Copy To: **COTEAN**

Section C

Attention: **SCOTT HUNKE**
Company Name: **COTEAN**
Address:

Section A

Company: **COTEAN ENVIRONMENTAL**
Address: **728 JAMES CIRCLE DR**
ALEXANDRIA, VA 22304

Phone: **320-846-4668**
Requested Due Date/TAT: **605-882-4152**

Pace Project Manager: **BROOKEN**

Pace Quote Reference:

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA

SITE LOCATION
 GA IL IN MI MN NC
 OH SC WI OTHER

ITEM #	Matrix Code	Client Information	Sample Code	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Filtered (Y/N)	Requested Analysis:	Pace Project Number	Lab ID
				DATE	TIME							

ITEM #	Matrix Code	Client Information	Sample Code	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Filtered (Y/N)	Requested Analysis:	Pace Project Number	Lab ID
				DATE	TIME							
1	S	WESTERLY AVE	AR-G	3/14/05	1000		1			YOC'S GRD	1029198001	TO-15
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Additional Comments:

RELINQUISHED BY / AFFILIATION: **SCOTT HUNKE** DATE: **3/15/05** TIME: **0800**

ACCEPTED BY / AFFILIATION: **SCOTT HUNKE** DATE: **3/15/05** TIME: **1730**

SAMPLER NAME AND SIGNATURE: **SCOTT HUNKE**

PRINT Name of SAMPLER: **SCOTT HUNKE**

SIGNATURE of SAMPLER: *[Signature]*

DATE Signed (MM/DD/YY): **3/14/05**

Case Narrative: SDG#1029198
Client: COTEAU

TO15 Low Level ANALYSIS

GC/MS Tuning

All BFB tuning criteria were met prior to the analysis of calibration standards, blanks, and samples.

Instrumental Calibrations (ICAL)

The initial calibration criteria are based on a maximum 30% RSD for averaged or minimum r^2 of 0.995 for linear calibrations. The initial calibration met method criteria.

Continuing Calibration (CCAL)

A continuing calibration was analyzed and met all method criteria with the following exceptions. The CCAL was biased high for trans-1,3-dichloropropene, tetrahydrofuran, and ethyl acetate. Criteria are based on a maximum 30% difference (%D) for all compounds.

Method Blanks

The method blanks associated with this SDG met method criteria with the following exceptions. The method blank did not meet criteria for acetone.

LCS Recoveries

All of the recoveries were within the internally generated QC limits for recovery. The CCAL was used as the LCS.

Sample Duplicate Recoveries

Sample duplicate was analyzed on a sample in work order 1029031. All compounds met criteria. Criteria are compounds must be within 25% Relative Percent Difference (RPD).

Analysis Comments

All sample analyses were completed on a DB5 column. 500 cc of sample was concentrated using an Entech 7000 sample concentration system.

Sample 110 S. WESTERN AVE was run at a dilution to mitigate the effects of carbon dioxide. When the sample was analyzed in an undiluted state the carbon dioxide was at a high enough concentration that it saturated the instrumentation. This saturation makes it impossible to determine the presence or absence of the target analytes at the normal reporting levels.



Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Case Narrative: SDG#1029198
Client: COTEAU

THC Pattern Interpretation

The contamination in sample 110 S. WESTERN AVE occurred throughout the analysis.

This case narrative was completed by YA 04/03/06.

Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: 1029198001
Operator : HRG
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 22-MAR-2006 15:09

Client SDG: 102205
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/KG) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.334	13.3	J
2. 106-97-8	Butane	4.473	32.4	NJ
3. 64-17-5	Ethanol	4.878	34.9	NJ
4. 71-23-8	1-Propanol	6.387	20.0	NJ
5.	Unknown	6.533	50.9	J
6.	Unknown	8.805	21.9	J
7. 107-39-1	1-Pentene, 2,4,4-trimethyl-	10.290	31.7	NJ
8. 541-05-9	Cyclotrisiloxane, hexamethy	13.236	7.51	NJ
9. 138-86-3	Limonene	19.691	19.2	NJ
10.	Unknown	21.133	57.2	J

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\10samba\chem\10air7.i\032206.b\08112tic.D
 Lab Smp Id: 1029198001
 Inj Date : 22-MAR-2006 15:09
 Operator : HRG
 Smp Info :
 Misc Info : 3635
 Comment : Volatile Organic COMPOUNDS in Air
 Method : \\10samba\chem\10air7.i\032206.b\LOWTO15_078.m
 Meth Date : 06-Apr-2006 10:44 hgreen
 Cal Date : 19-MAR-2006 19:31
 Als bottle: 12
 Dil Factor: 6.90000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: 10VOL1

Inst ID: 10air7.i
 Quant Type: ISTD
 Cal File: 07808.D
 Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	6.900	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 114 Bromochloromethane	7.758	2555737	10.000
* 115 1,4-Difluorobenzene	9.333	3613140	10.000
* 116 Chlorobenzene - d5	14.426	3686736	10.000
* 57 p-Bromofluorobenzene	16.754	4487443	10.000

RT	AREA	CONCENTRATIONS			QUAL	QUANT		CPND #
		ON-COL(ppbv)	FINAL(ppbv)	LIBRARY		LIB ENTRY		
Unknown								
4.334	492863	1.92845616	13.3	0	CAS #:	0	114	
Butane					CAS #: 106-97-8			
4.473	1198708	4.69026268	32.4	90	NBS75K.1	99	114	
Ethanol					CAS #: 64-17-5			
4.878	1293515	5.06122235	34.9	91	NBS75K.1	62278	114	
1-Propanol					CAS #: 71-23-8			
6.387	741594	2.90168340	20.0	90	NBS75K.1	127	114	



RT	CONCENTRATIONS			QUAL	QUANT		CPND #
	AREA	ON-COL(ppbv)	FINAL(ppbv)		LIBRARY	LIB ENTRY	
----	----	-----	-----	----	-----	-----	-----
Unknown					CAS #:		
6.533	1885296	7.37672209	50.9	0		0	114
Unknown					CAS #:		
8.805	1148387	3.17836315	21.9	0		0	115
1-Pentene, 2,4,4-trimethyl-					CAS #: 107-39-1		
10.290	1662534	4.60135424	31.7	72	NBS75K.1	64025	115
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
13.236	401384	1.08872343	7.51	91	NBS75K.1	70586	116
Limonene					CAS #: 138-86-3		
19.691	1247221	2.77935636	19.2	94	NBS75K.1	6647	57
Unknown					CAS #:		
21.133	3717715	8.28470485	57.2	0		0	57

1029198001

Date: 22-MAR-2006 15:09

Client ID:

Sample Info:

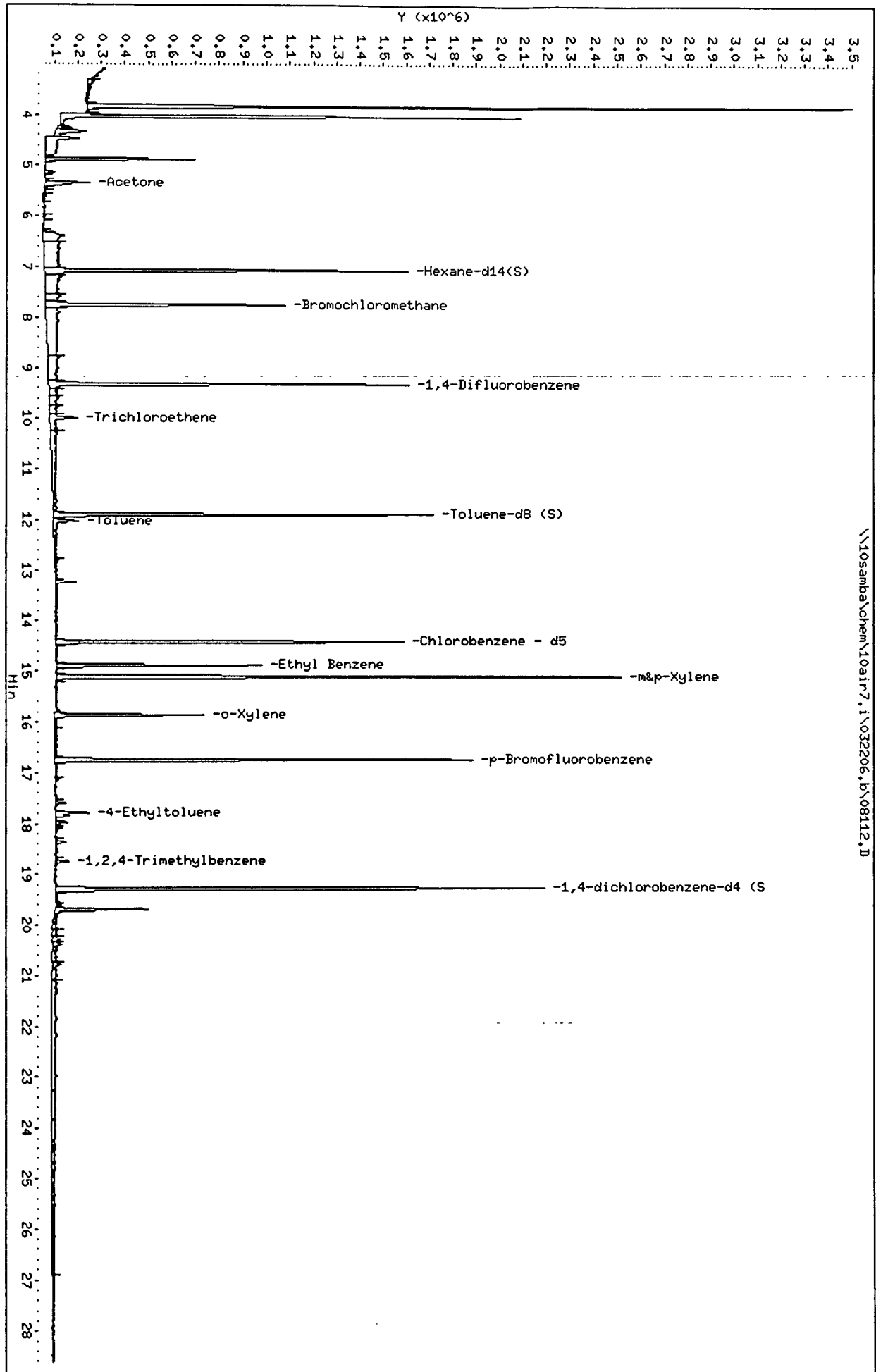
Instrument: 10air7.i

Operator: HRC

Column diameter: 0.32

Column phase: J&W DB-5

\\10samba\chem\10air7.1\032206.b\08112.D





Sample Condition Upon Receipt

Client Name: Coteau Project # 1029198

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 230194010

Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature Amb

Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Optional _____
Proj. Due Date: _____
Proj. Name: _____

Date and Initials of person examining contents: <u>3-15-06 JH</u>

Comments:	
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A 6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A 7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A 11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 12.
-Includes date/time/ID/Analysis Matrix: <u>Air</u>	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A 13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
exceptions VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A 14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A 15.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A 16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Pace Trip Blank Lot # (if purchased):	

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 3/17/06

Note Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Data File: \\10samba\chem\10air7.i\032206.b\08112.D

Page 1

Report Date: 23-Mar-2006 07:28

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\10samba\chem\10air7.i\032206.b\08112.D

Lab Smp Id: 1029198001

Inj Date : 22-MAR-2006 15:09

Operator : HRG

Inst ID: 10air7.i

Smp Info :

Misc Info :

Comment : Volatile Organic COMPOUNDS in Air

Method : \\10samba\chem\10air7.i\032206.b\LOWTO15_078.m

Meth Date : 22-Mar-2006 08:44 yariemawan Quant Type: ISTD

Cal Date : 19-MAR-2006 19:31

Cal File: 07808.D

Als bottle: 12

Dil Factor: 6.90000

Integrator: HP RTE

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10VOL1

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
------	-------	-------------

DF 6.900 Dilution Factor

Uf 1.000 ng unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS					
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
2 Propylene	41							
5 Dichlorodifluoromethane	85							
4 Chloromethane	50							
6 Dichlorotetrafluoroethane	85							
7 Vinyl chloride	62							
8 1,3-Butadiene	54							
9 Bromomethane	94							
10 Chloroethane	64							
11 Trichlorofluoromethane	101							
12 Acetone	43		5.340	5.333	(0.572)	253874	1.97909	13.6
15 1,1-Dichloroethene	61							
16 Freon 113	101							
17 Methylene chloride	49							
18 Carbon Disulfide	76							
19 trans-1,2-dichloroethene	96							
20 Methyl Tert Butyl Ether	73							
21 1,1-Dichloroethane	63							
22 Vinyl Acetate	43							
23 Methyl Ethyl Ketone	43							
24 n-Hexane	57							

S 117 Hexane-d14(S)	66	7.077 7.074 (0.758)	588420	10.9369	10.9
---------------------	----	---------------------	--------	---------	------

25 cis-1,2-Dichloroethene	96	Compound Not Detected.			
---------------------------	----	------------------------	--	--	--

26 Ethyl Acetate	43	Compound Not Detected.			
------------------	----	------------------------	--	--	--

Report Date: 23-Mar-2006 07:28

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)
* 114 Bromochloromethane	130	7.758	7.748	(1.000)	322533	10.0000	(Q)
27 Chloroform	83	Compound Not Detected.					
28 Tetrahydrofuran	42	Compound Not Detected.					
29 1,1,1-Trichloroethane	97	Compound Not Detected.					
30 1,2-Dichloroethane	62	Compound Not Detected.					
31 Benzene	78	Compound Not Detected.					
32 Carbon tetrachloride	117	Compound Not Detected.					
33 Cyclohexane	56	Compound Not Detected.					
* 115 1,4-Difluorobenzene	114	9.333	9.326	(1.000)	1270025	10.0000	
35 Heptane	43	Compound Not Detected.					
36 1,2-Dichloropropane	63	Compound Not Detected.					
37 Trichloroethene	130	9.987	9.980	(1.070)	31564	0.57391	3.96
38 Bromodichloromethane	83	Compound Not Detected.					
40 Methyl isobutyl Ketone	43	Compound Not Detected.					
41 cis-1,3-Dichloropropene	75	Compound Not Detected.					
42 trans-1,3-Dichloropropene	75	Compound Not Detected.					
43 Toluene	91	12.023	12.023	(1.288)	87032	0.63398	4.37
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
\$ 118 Toluene-d8 (S)	98	11.900	11.901	(1.275)	1335375	11.7523	11.8
45 Methyl Butyl Ketone	43	Compound Not Detected.					
47 Dibromochloromethane	129	Compound Not Detected.					

48 1,2-Dibromoethane	107	Compound Not Detected.				
49 Tetrachloroethene	166	Compound Not Detected.				
* 116 Chlorobenzene - d5	117	14.425	14.422 (1.000)	1067780	10.0000	
50 Chlorobenzene	112	Compound Not Detected.				
51 Ethyl Benzene	91	14.894	14.890 (1.032)	878108	4.37189	30.2
52 m,p-Xylene	91	15.119	15.120 (1.048)	2277528	13.6377	94.1
53 Bromoform	173	Compound Not Detected.				
54 Styrene	104	Compound Not Detected.				
55 o-Xylene	91	15.867	15.867 (1.100)	542810	3.08941	21.3
56 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.				
* 57 p-Bromofluorobenzene	95	16.754	16.754 (1.000)	881969	10.0000	
58 Isopropylbenzene	105	Compound Not Detected.				
59 4-Ethyltoluene	105	17.843	17.847 (1.237)	49972	0.23642	1.63(M)
60 1,3,5-Trimethylbenzene	105	Compound Not Detected.				
61 1,2,4-Trimethylbenzene	105	18.740	18.737 (1.299)	42786	0.21351	1.47
64 1,3-Dichlorobenzene	146	Compound Not Detected.				
65 1,4-Dichlorobenzene	146	Compound Not Detected.				
5 119 1,4-dichlorobenzene-d4 (S)	150	19.289	19.292 (1.337)	1204055	11.4676	11.5
68 1,2-Dichlorobenzene	146	Compound Not Detected.				
70 1,2,4-Trichlorobenzene	180	Compound Not Detected.				
71 Naphthalene	128	Compound Not Detected.				
72 Hexachlorobutadiene	225	Compound Not Detected.				

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: \\10samba\chem\10air7.i\032206.b\08112.D

Report Date: 03/23/2006

Client ID:

Instrument: 10air7.i

Sample Information:

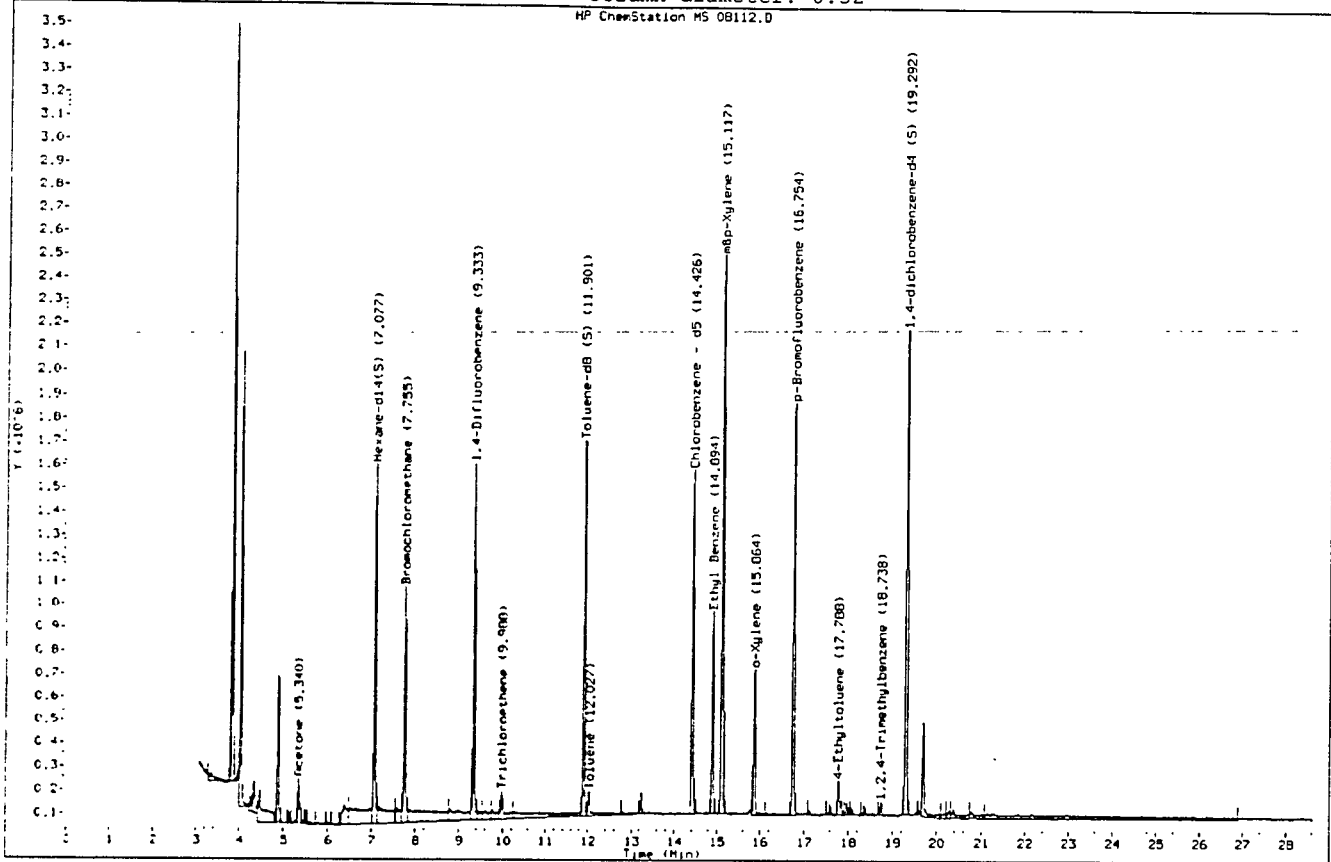
Purge Volume:

Operator: HRG

Column phase: J&W DB-5

Column diameter: 0.32

HP ChemStation MS 08112.0



May 19, 2006

REVISED REPORT

Scott Hunke
Coteau Environmental
728 Janes Circle Drive SW
Alexandria, MN 56308

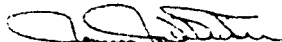
RE: Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1031842

Dear Scott Hunke:

Enclosed are the analytical results for sample(s) received by the laboratory on May 05, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James Wheeler for
Shannon K Oberle
Shannon.Oberle@pacelabs.com
Project Manager

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 8

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



SAMPLE SUMMARY

Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1031842

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1031842001	MW-06	Water	05/04/06 10:03	05/05/06 18:05
1031842002	MW-04	Water	05/04/06 11:12	05/05/06 18:05
1031842003	MW-03	Water	05/04/06 12:05	05/05/06 18:05
1031842004	MW-05	Water	05/04/06 13:09	05/05/06 18:05
1031842005	FIELD BLANK	Water	05/04/06 13:22	05/05/06 18:05
1031842006	TRIP BLANK	Water	05/04/06 00:00	05/05/06 18:05

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



SAMPLE ANALYTE COUNT

Project: KC KWIK STOP BROOTEN MN

Pace Project No.: 1031842

Lab ID	Sample ID	Method	Analytes Reported
1031842001	MW-06	TPH WI GRO/PVOC 8021	6
1031842002	MW-04	TPH WI GRO/PVOC 8021	6
1031842003	MW-03	TPH WI GRO/PVOC 8021	6
1031842004	MW-05	TPH WI GRO/PVOC 8021	6
1031842005	FIELD BLANK	TPH WI GRO/PVOC 8021	6
1031842006	TRIP BLANK	TPH WI GRO/PVOC 8021	5

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1031842

Sample: MW-06		Lab ID: 1031842001	Collected: 05/04/06 10:03	Received: 05/05/06 18:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	ND ppb		1.0	1		05/17/06 11:38	71-43-2	
Ethylbenzene	ND ppb		1.0	1		05/17/06 11:38	100-41-4	
Gasoline Range Organics	ND ppb		100	1		05/17/06 11:38		
Toluene	ND ppb		1.0	1		05/17/06 11:38	108-88-3	
Xylene (Total)	ND ppb		3.0	1		05/17/06 11:38	1330-20-7	
a,a,a-Trifluorotoluene (S)	80 %		80-141	1		05/17/06 11:38	98-08-8	

Sample: MW-04		Lab ID: 1031842002	Collected: 05/04/06 11:12	Received: 05/05/06 18:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	ND ppb		1.0	1		05/17/06 13:48	71-43-2	
Ethylbenzene	1.8 ppb		1.0	1		05/17/06 13:48	100-41-4	
Gasoline Range Organics	156 ppb		100	1		05/17/06 13:48		
Toluene	3.4 ppb		1.0	1		05/17/06 13:48	108-88-3	
Xylene (Total)	ND ppb		3.0	1		05/17/06 13:48	1330-20-7	
a,a,a-Trifluorotoluene (S)	81 %		80-141	1		05/17/06 13:48	98-08-8	

Sample: MW-03		Lab ID: 1031842003	Collected: 05/04/06 12:05	Received: 05/05/06 18:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	3.9 ppb		1.0	1		05/17/06 14:14	71-43-2	
Ethylbenzene	154 ppb		1.0	1		05/17/06 14:14	100-41-4	
Gasoline Range Organics	1800 ppb		100	1		05/17/06 14:14		
Toluene	124 ppb		1.0	1		05/17/06 14:14	108-88-3	
Xylene (Total)	401 ppb		3.0	1		05/17/06 14:14	1330-20-7	
a,a,a-Trifluorotoluene (S)	94 %		80-141	1		05/17/06 14:14	98-08-8	

Sample: MW-05		Lab ID: 1031842004	Collected: 05/04/06 13:09	Received: 05/05/06 18:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	1810 ppb		10.0	10		05/17/06 17:23	71-43-2	
Ethylbenzene	1520 ppb		10.0	10		05/17/06 17:23	100-41-4	
Gasoline Range Organics	34800 ppb		1000	10		05/17/06 17:23		
Toluene	16600 ppb		100	100		05/18/06 11:31	108-88-3	
Xylene (Total)	7680 ppb		30.0	10		05/17/06 17:23	1330-20-7	
a,a,a-Trifluorotoluene (S)	111 %		80-141	10		05/17/06 17:23	98-08-8	

Date: 05/19/2006 10 03 AM

REPORT OF LABORATORY ANALYSIS

Page 4 of 8

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1031842

Sample: FIELD BLANK		Lab ID: 1031842005	Collected: 05/04/06 13:22	Received: 05/05/06 18:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	ND ppb		1.0	1		05/17/06 09:52	71-43-2	
Ethylbenzene	ND ppb		1.0	1		05/17/06 09:52	100-41-4	
Gasoline Range Organics	ND ppb		100	1		05/17/06 09:52		
Toluene	ND ppb		1.0	1		05/17/06 09:52	108-88-3	
Xylene (Total)	ND ppb		3.0	1		05/17/06 09:52	1330-20-7	
a,a,a-Trifluorotoluene (S)	80 %		80-141	1		05/17/06 09:52	98-08-8	

Sample: TRIP BLANK		Lab ID: 1031842006	Collected: 05/04/06 00:00	Received: 05/05/06 18:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	ND ppb		1.0	1		05/17/06 09:00	71-43-2	
Ethylbenzene	ND ppb		1.0	1		05/17/06 09:00	100-41-4	
Toluene	ND ppb		1.0	1		05/17/06 09:00	108-88-3	
Xylene (Total)	ND ppb		3.0	1		05/17/06 09:00	1330-20-7	
a,a,a-Trifluorotoluene (S)	80 %		80-141	1		05/17/06 09:00	98-08-8	

ANALYTICAL RESULTS QUALIFIERS

Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1031842

PARAMETER QUALIFIERS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

QUALITY CONTROL DATA

Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1031842

QC Batch: GCV/3051 Analysis Method: TPH WI GRO/PVOC 8021
QC Batch Method: TPH WI GRO/PVOC 8021 Analysis Description: WIGRO GCV Water
Associated Lab Samples: 1031842001, 1031842002, 1031842003, 1031842004, 1031842005, 1031842006

METHOD BLANK: 217964

Associated Lab Samples: 1031842001, 1031842002, 1031842003, 1031842004, 1031842005, 1031842006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Benzene	ppb	ND	1.0	
Gasoline Range Organics	ppb	ND	100	
Ethylbenzene	ppb	ND	1.0	
Toluene	ppb	ND	1.0	
Xylene (Total)	ppb	ND	3.0	
a,a,a-Trifluorotoluene (S)	%	81	80-141	

LABORATORY CONTROL SAMPLE & LCSD: 217965

217966

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ppb	100	106	99.7	106	100	80-120			
Gasoline Range Organics	ppb	1000	1040	98.7	104	99	80-120	5	20	
Ethylbenzene	ppb	100	99.7	98.7	100	99	80-120			
Toluene	ppb	100	105	103	105	103	80-120			
Xylene (Total)	ppb	300	338	338	113	113	80-120			
a,a,a-Trifluorotoluene (S)	%				95	107	80-141			

MATRIX SPIKE SAMPLE: 217967

Parameter	Units	1031840014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ppb		ND	100	113	113	80-120
Gasoline Range Organics	ppb		ND	1000	1350	135	80-120 1
Ethylbenzene	ppb		ND	100	107	107	80-120
Toluene	ppb		ND	100	114	114	80-120
Xylene (Total)	ppb		ND	300	348	116	80-120
a,a,a-Trifluorotoluene (S)	%				81	80-141	

SAMPLE DUPLICATE: 217968

Parameter	Units	1032124001 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ppb	ND	ND	0	30	
Gasoline Range Organics	ppb	ND	ND	0	30	
Ethylbenzene	ppb	ND	ND	0	30	
Toluene	ppb	ND	ND	0	30	
Xylene (Total)	ppb	ND	ND	0	30	
a,a,a-Trifluorotoluene (S)	%	81	80	1		

QUALITY CONTROL DATA QUALIFIERS

Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1031842

QUALITY CONTROL PARAMETER QUALIFIERS

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

QUALITY CONTROL ANALYTE QUALIFIERS

[1] Matrix spike recovery was outside laboratory control limits.



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1031842

Page: of
910983

Section A Required Client Information:
 Company: COTEAN ENVIRONMENTAL
 Address: 728 JAMES CIRCLE DR
ALEXANDRIA, MN 56308
 Report To: SCOTT
 Copy To: COTEAN
 Purchase Order No.:
 Project Name: KE KWIK STAR
 Project Number: BROOKEN, MN
 Phone: 320-846-4668 Fax: 605-882-4152
 Requested Due Date/TAT:
Section B Required Project Information:
 Attention: SCOTT
 Company Name: COTEAN
 Address:
 Pace Quote Reference:
 Pace Project Manager:
 Pace Profile #:

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA
SITE LOCATION
 GA IL IN MI MN NC
 OH SC WI OTHER

ITEM #	SAMPLE ID	Valid Matrix Codes	Required Client Information	MATRIX CODE	G-RAB TYPE	COLLECTED		# OF CONTAINERS AT COLLECTION	Preservatives	Filtered (Y/N)	Requested Analysis:	Pace Project Number	Lab ID
						COMPOSITE START DATE	COMPOSITE END/GRAB TIME						
1	MW-06	DRINKING WATER DW WASTE WATER WW WASTE WATER PRODUCT SOIL/SOLID OIL WIPE AIR OTHER TISSUE	WT	WT	G	5/4/06	1003		✓		BTX	001	
2	MW-04						1112		✓			002	
3	MW-03						1205		✓			003	
4	MW-05						1309		✓			004	
5	FIELD						1322		✓			005	
6	TRIP												
7	TEMP												
8													
9													
10													
11													
12													

Additional Comments:
 Relinquished by: Scott Date: 5/4/06 Time: 1630
 Accepted by: J. Richardson Date: 5/5/06 Time: 18:05
 Temperature: 4.0
 Received on ice: Y/N
 Custody Sealed Cooler: Y/N
 Samples Intact: Y/N
SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: SCOTT HUNT
 SIGNATURE of SAMPLER: Scott
 DATE Signoff (MM/DD/YY): 5/4/06
ORIGINAL
 SEE REVERSE SIDE FOR INSTRUCTIONS
 ALLCOP20rev.3.31Mar05



Sample Condition Upon Receipt

Client Name Cotman Project # 1031842

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 230194010 Type of Ice: Wet Blue None

Cooler Temperature 4.0° Biological Tissue is Frozen: Yes No

Temp should be above freezing to 5°C

Optional
Proj. Due Date:
Proj. Name:

Samples on ice, cooling process has begun
Date and initials of person examining contents: 5/5/06 JK

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>8mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 5-8-06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



Data File: \\10samba\chem\10gcv3.i\051706a.b\f6-13708.d

Page 1

Report Date: 18-May-2006 09:55

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\051706a.b\f6-13708.d

Lab Smp Id: 1031842001

Client Smp ID: 1031842001

Inj Date : 17-MAY-2006 11:38

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1031842001

Misc Info : 3051

Comment :

Method : \\10samba\chem\10gcv3.i\051706a.b\Gro136.m

Meth Date : 18-May-2006 09:54 10gcv3.i Quant Type: ESTD

Cal Date : 16-MAY-2006 11:32

Cal File: f6-13609.d

Als bottle: 8

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GRO				Compound Not Detected.		
S 6 Chlorofluorobenzene				Compound Not Detected.		

Data File: \\10samba\chem\10gcv3.i\051706a.b/f6-13708.d

Report Date: 05/18/2006

Client ID: 1031842001

Instrument: 10gcv3.i

Sample Information: 1031842001

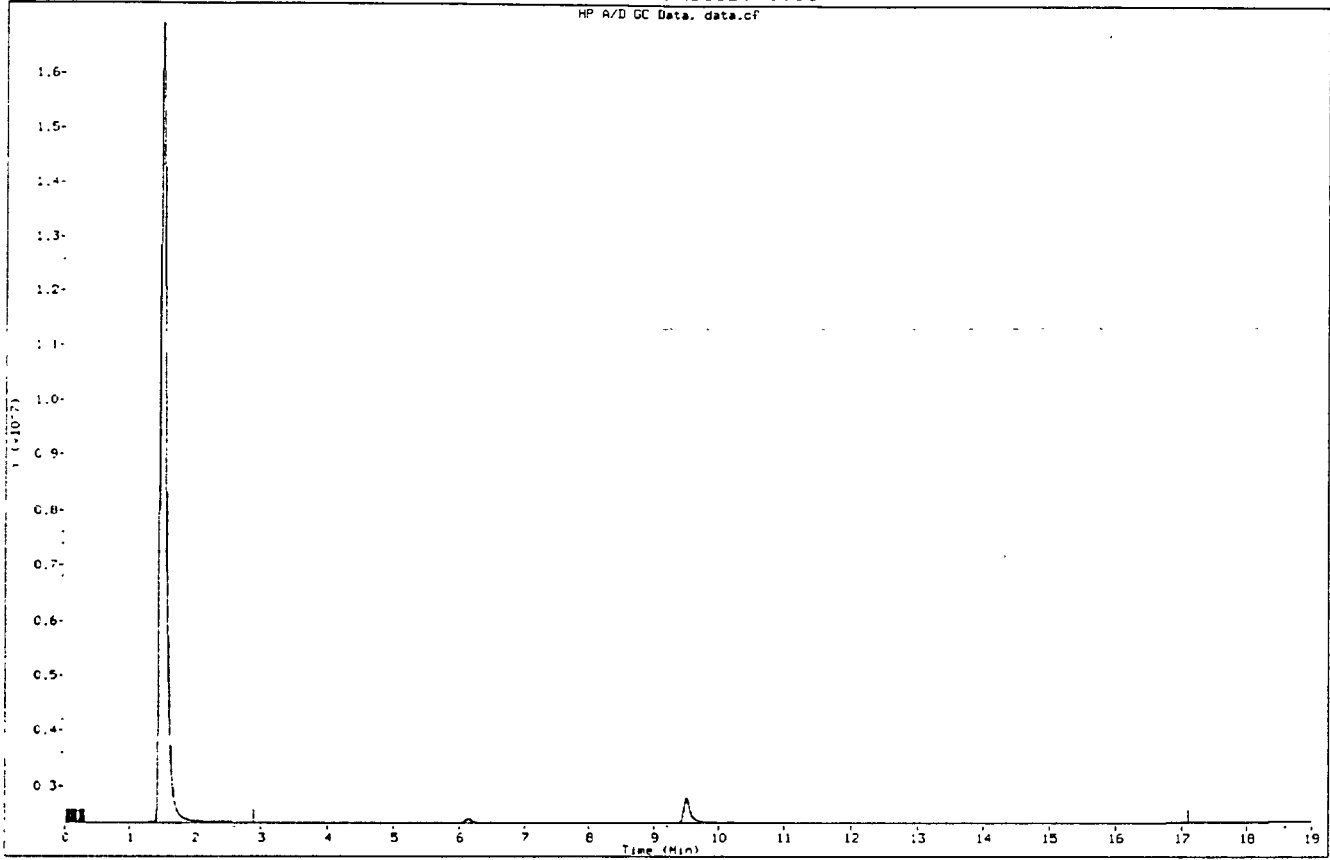
Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53

HP A/D GC Data, data.cf



Data File: \\10samba\chem\10gcv3.i\051706a.b\p6-13708.d

Page 1

Report Date: 18-May-2006 09:44

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\051706a.b\p6-13708.d

Lab Smp Id: 1031842001

Client Smp ID: 1031842001

Inj Date : 17-MAY-2006 11:38

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1031842001

Misc Info : 3051

Comment :

Method : \\10samba\chem\10gcv3.i\051706a.b\BTEX136.m

Meth Date : 18-May-2006 09:23 voa

Quant Type: ISTD

Cal Date : 16-MAY-2006 11:32

Cal File: p6-13609.d

Als bottle: 8

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether						
2 Benzene						
3 a,a,a-Trifluorotoluene (S)	6.132	6.123	(0.645)	59010	18.8336	18.8
4 Toluene						
5 Chlorofluorobenzene	9.503	9.493	(1.000)	698649	123.000	(M)
6 Ethylbenzene						
7 m,p-Xylene						
8 o-Xylene						
M 9 Xylene (total)						
10 1,3,5-Trimethylbenzene						
11 1,2,4-Trimethylbenzene						
12 Naphthalene						

QC Flag Legend

M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv3.i\051706a.b/p6-13708.d

Report Date: 05/18/2006

Client ID: 1031842001

Sample Information: 1031842001

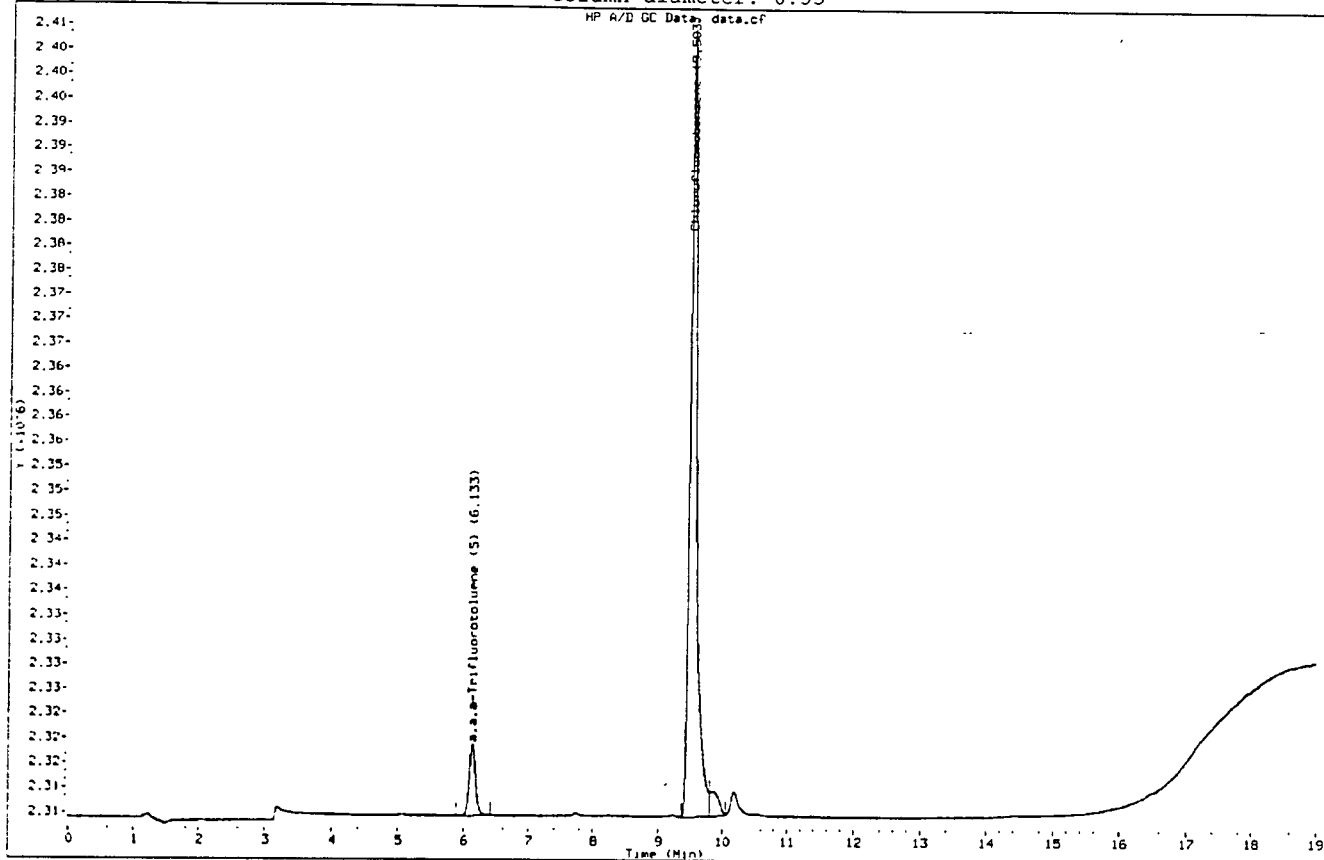
Instrument: 10gcv3.i

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\051706a.b\p6-13713.d

Page 1

Report Date: 18-May-2006 09:44

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\051706a.b\p6-13713.d

Lab Smp Id: 1031842002

Client Smp ID: 1031842002

Inj Date : 17-MAY-2006 13:48

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1031842002

Misc Info : 3051

Comment :

Method : \\10samba\chem\10gcv3.i\051706a.b\BTEX136.m

Meth Date : 18-May-2006 09:23 voa

Quant Type: ISTD

Cal Date : 16-MAY-2006 11:32

Cal File: p6-13609.d

Als bottle: 13

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether						
2 Benzene						
S 3 a,a,a-Trifluorotoluene (S)	6.127	6.123	(0.645)	64859	19.7188	19.7 (M)
4 Toluene	7.715	7.730	(0.000)	37052	3.35285	3.35 (M)
5 Chlorofluorobenzene	9.493	9.493	(1.000)	731837	123.000	(M)
6 Ethylbenzene	10.271	10.277	(0.000)	17378	1.82871	1.83 (M)
7 m&p-Xylene						
8 o-Xylene						
M 9 Xylene (total)						
10 1,3,5-Trimethylbenzene						
11 1,2,4-Trimethylbenzene	14.427	14.420	(1.520)	57430	7.63979	7.64
12 Naphthalene						

QC Flag Legend

M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv3.i\051706a.b\p6-13713.d

Report Date: 05/18/2006

Client ID: 1031842002

Sample Information: 1031842002

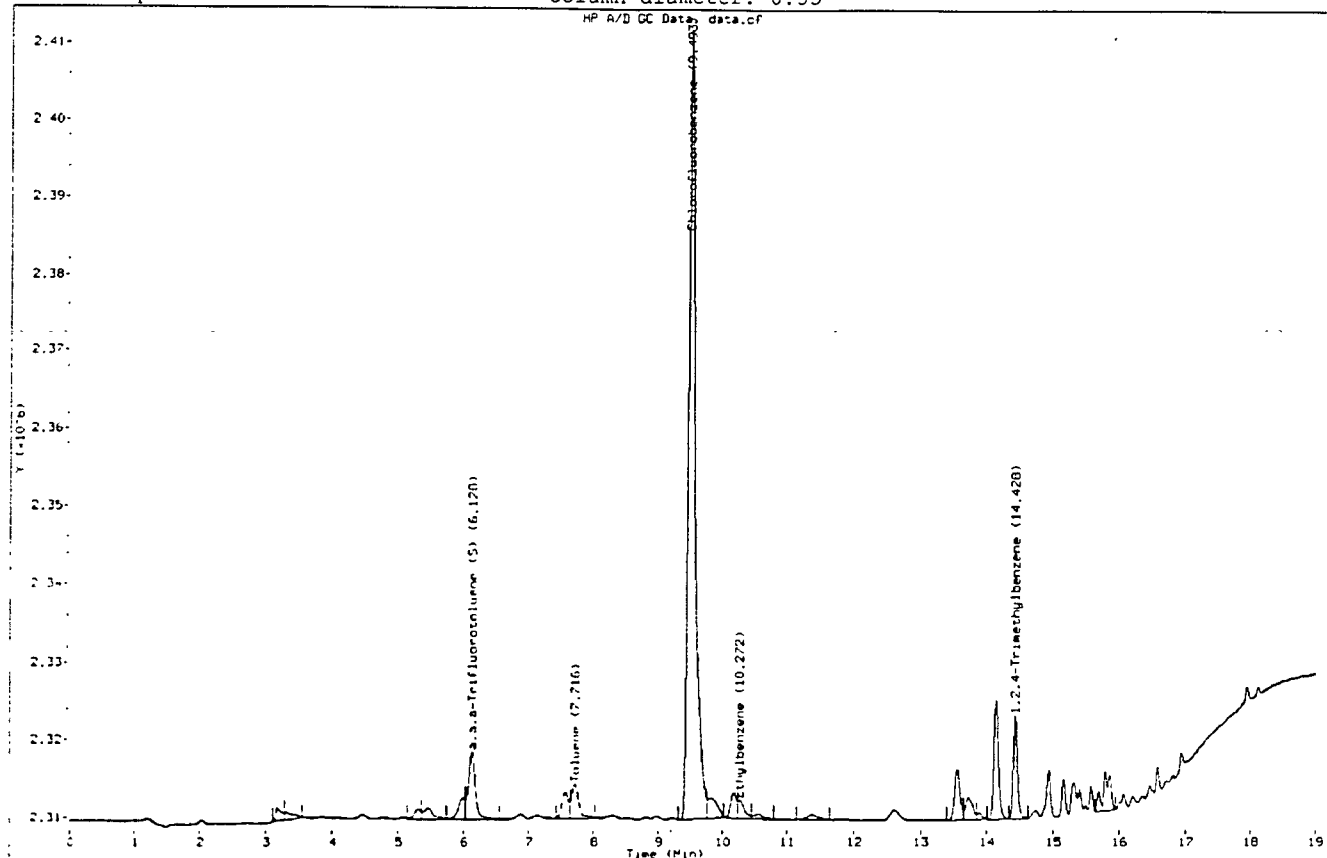
Purge Volume:

Column phase: RTX-1

Instrument: 10gcv3.i

Operator: CAN

Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\051706a.b\f6-13713.d

Page 1

Report Date: 18-May-2006 09:55

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\051706a.b\f6-13713.d

Lab Smp Id: 1031842002

Client Smp ID: 1031842002

Inj Date : 17-MAY-2006 13:48

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1031842002

Misc Info : 3051

Comment :

Method : \\10samba\chem\10gcv3.i\051706a.b\Gro136.m

Meth Date : 18-May-2006 09:54 10gcv3.i Quant Type: ESTD

Cal Date : 16-MAY-2006 11:32

Cal File: f6-13609.d

Als bottle: 13

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	ELT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GRO	2.900-17.100			227850484	155.637	155.6(MH)
S 6 Chlorofluorobenzene	Compound Not Detected.					

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: \\10samba\chem\10gcv3.i\051706a.b\f6-13713.d

Report Date: 05/18/2006

Client ID: 1031842002

Instrument: 10gcv3.i

Sample Information: 1031842002

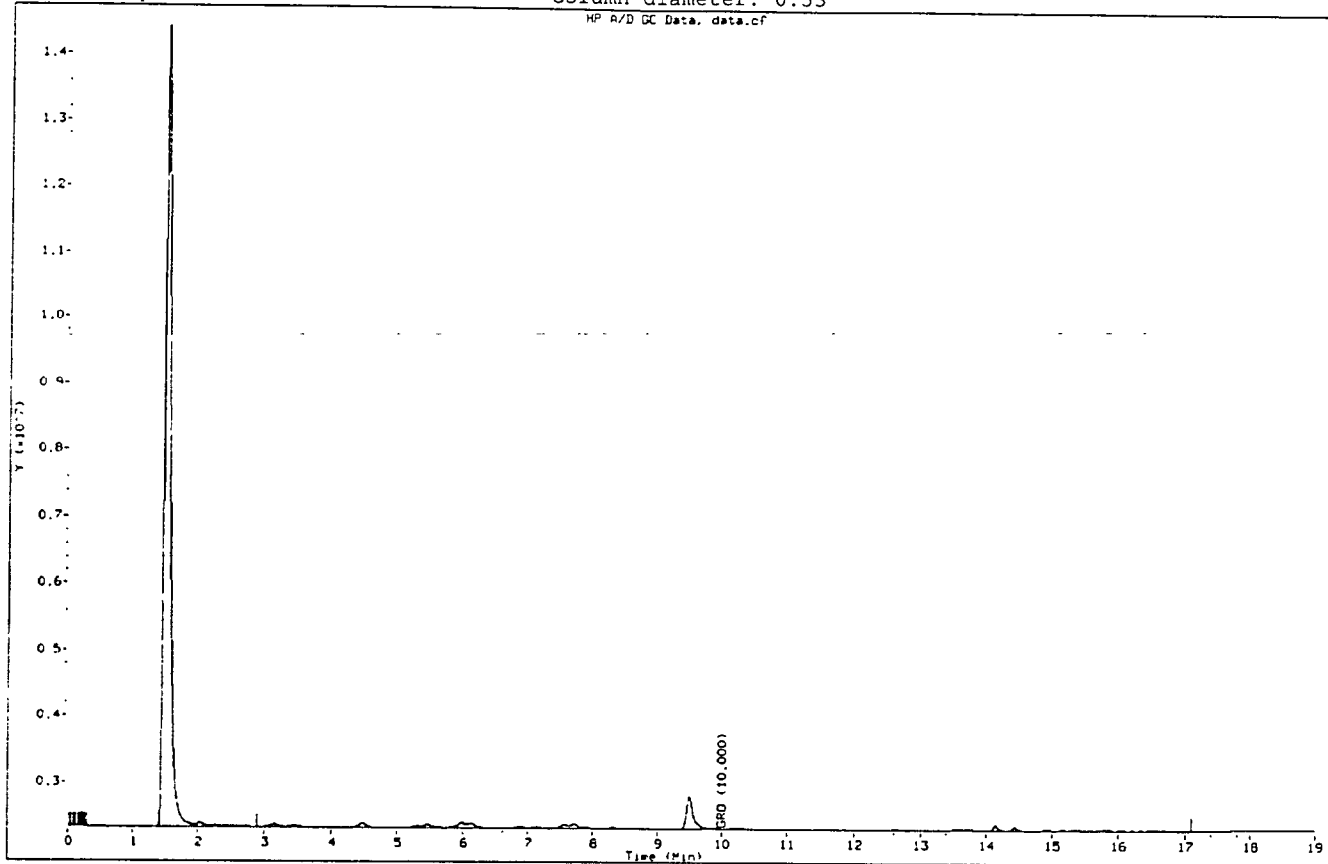
Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53

HP A/D GC Data, data.cf



Data File: \\10samba\chem\10gcv3.i\051706a.b\p6-13714.d

Page 1

Report Date: 18-May-2006 09:44

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\051706a.b\p6-13714.d

Lab Smp Id: 1031842003

Client Smp ID: 1031842003

Inj Date : 17-MAY-2006 14:14

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1031842003

Misc Info : 3051

Comment :

Method : \\10samba\chem\10gcv3.i\051706a.b\BTEX136.m

Meth Date : 18-May-2006 09:23 voa

Quant Type: ISTD

Cal Date : 16-MAY-2006 11:32

Cal File: p6-13609.d

Als bottle: 14

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether	3.182	3.108	(0.000)	70547	22.8306	22.8 (M)
2 Benzene	5.058	5.063	(0.533)	51092	3.88989	3.89
S 3 a,a,a-Trifluorotoluene (S)	6.128	6.123	(0.645)	81328	22.6539	22.6 (M)
4 Toluene	7.737	7.730	(0.815)	1488185	124.120	124 (M)
* 5 Chlorofluorobenzene	9.495	9.493	(1.000)	794023	123.000	(M)
6 Ethylbenzene	10.292	10.277	(1.084)	1582932	153.528	154
7 m,p-Xylene	10.588	10.561	(1.115)	1283619	118.003	118
8 o-Xylene	11.385	11.370	(1.199)	2670064	282.862	283
M 9 Xylene (total)				3953683	400.865	401
10 1,3,5-Trimethylbenzene	13.885	13.884	(0.000)	322810	29.8026	29.8 (M)
11 1,2,4-Trimethylbenzene	14.426	14.420	(1.519)	872337	106.957	107
12 Naphthalene	16.937	16.935	(1.784)	689241	114.076	114 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv3.i\051706a.b/p6-13714.d

Report Date: 05/18/2006

Client ID: 1031842003

Sample Information: 1031842003

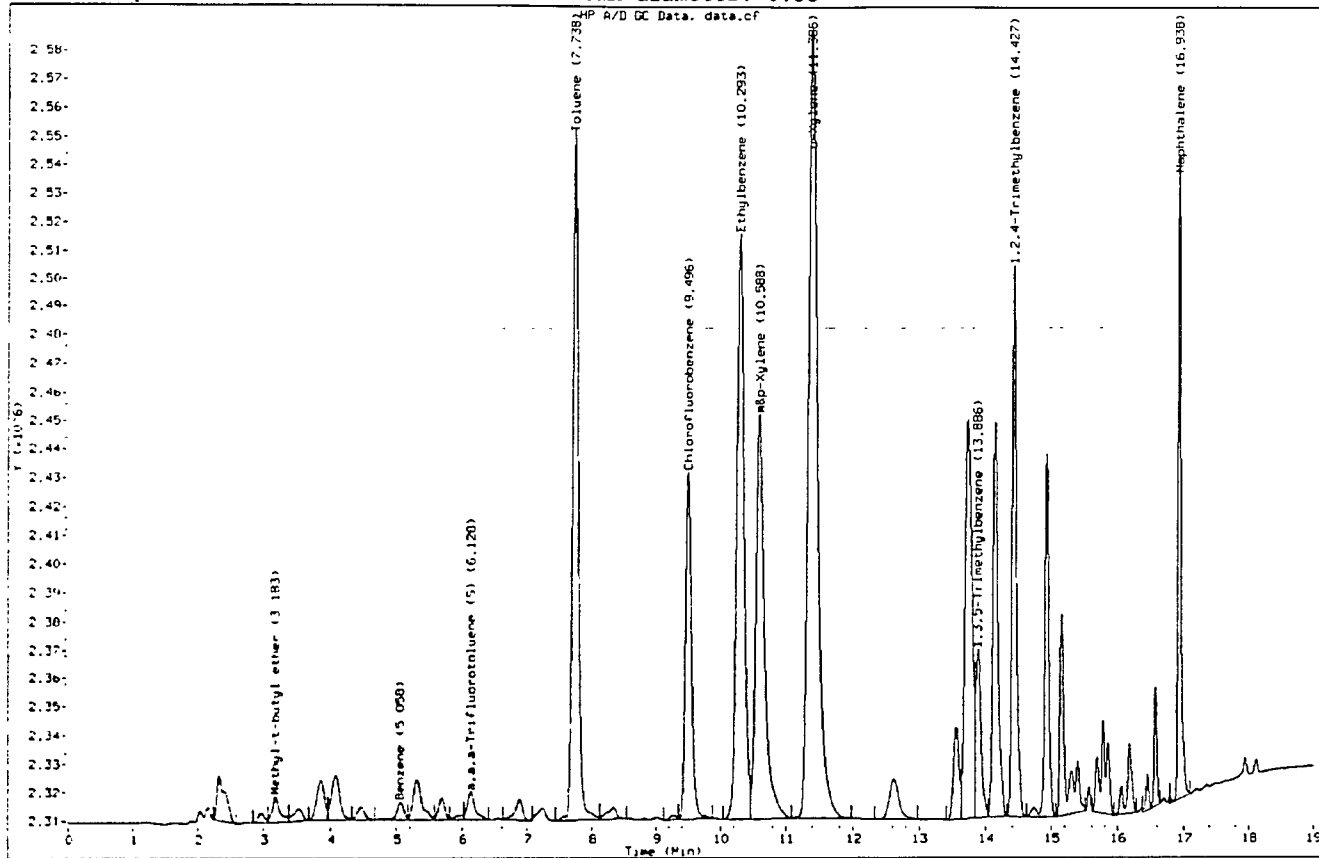
Instrument: 10gcv3.i

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\051706a.b\f6-13714.d

Page 1

Report Date: 18-May-2006 09:55

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\051706a.b\f6-13714.d

Lab Smp Id: 1031842003

Client Smp ID: 1031842003

Inj Date : 17-MAY-2006 14:14

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1031842003

Misc Info : 3051

Comment :

Method : \\10samba\chem\10gcv3.i\051706a.b\Grol36.m

Meth Date : 18-May-2006 09:54 10gcv3.i Quant Type: ESTD

Cal Date : 16-MAY-2006 11:32

Cal File: f6-13609.d

Als bottle: 14

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

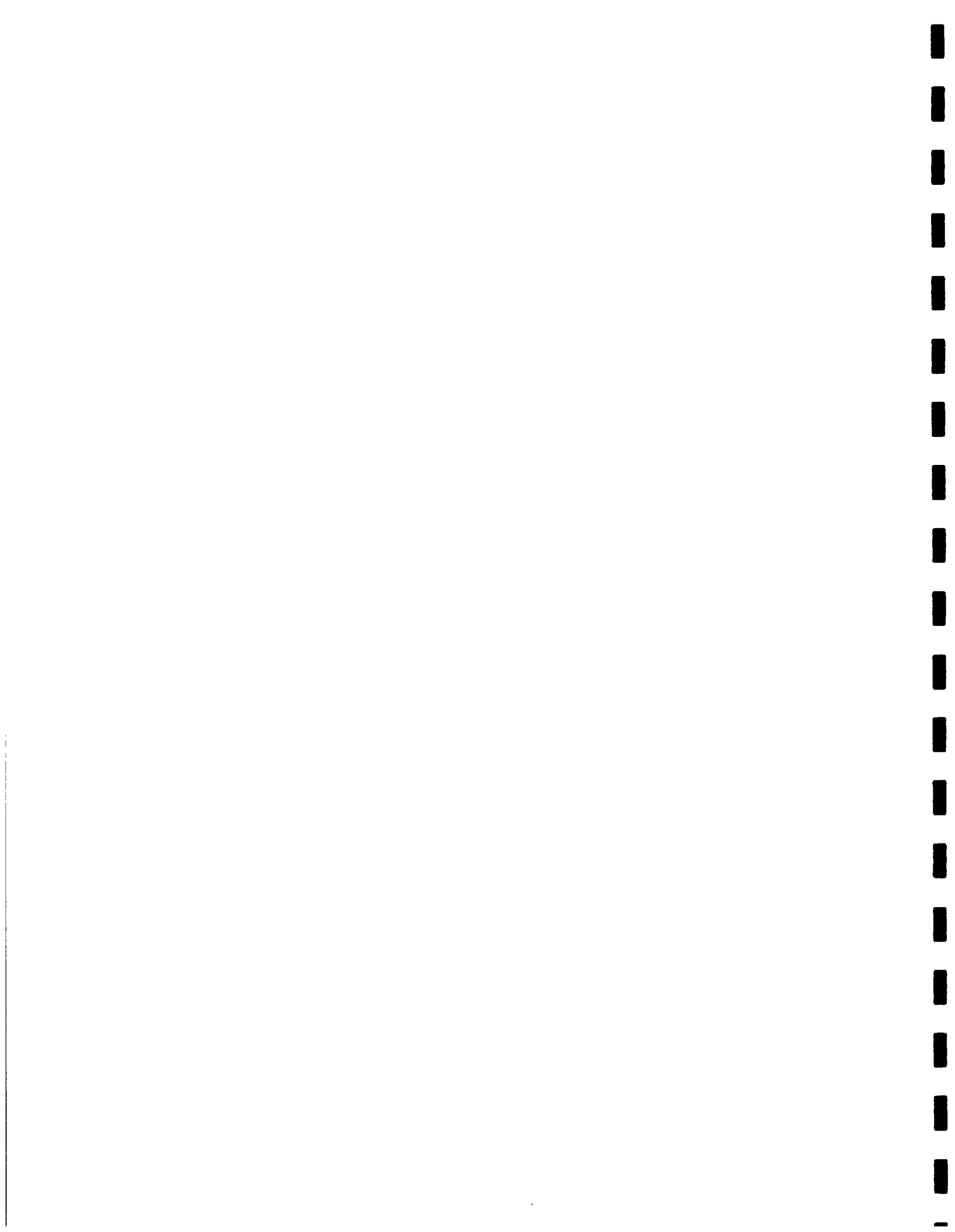
Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable



CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL
					(ug/L)	(ug/L)
-----	----	-----	-----	-----	-----	-----
\$ 5 GRO	2.900-17.100			1659547871	1795.79	1796
\$ 6 Chlorofluorobenzene	Compound Not Detected.					

Data File: \\10samba\chem\10gcv3.1\051706a.b/f6-13714.d

Report Date: 05/18/2006

Client ID: 1031842003

Instrument: 10gcv3.i

Sample Information: 1031842003

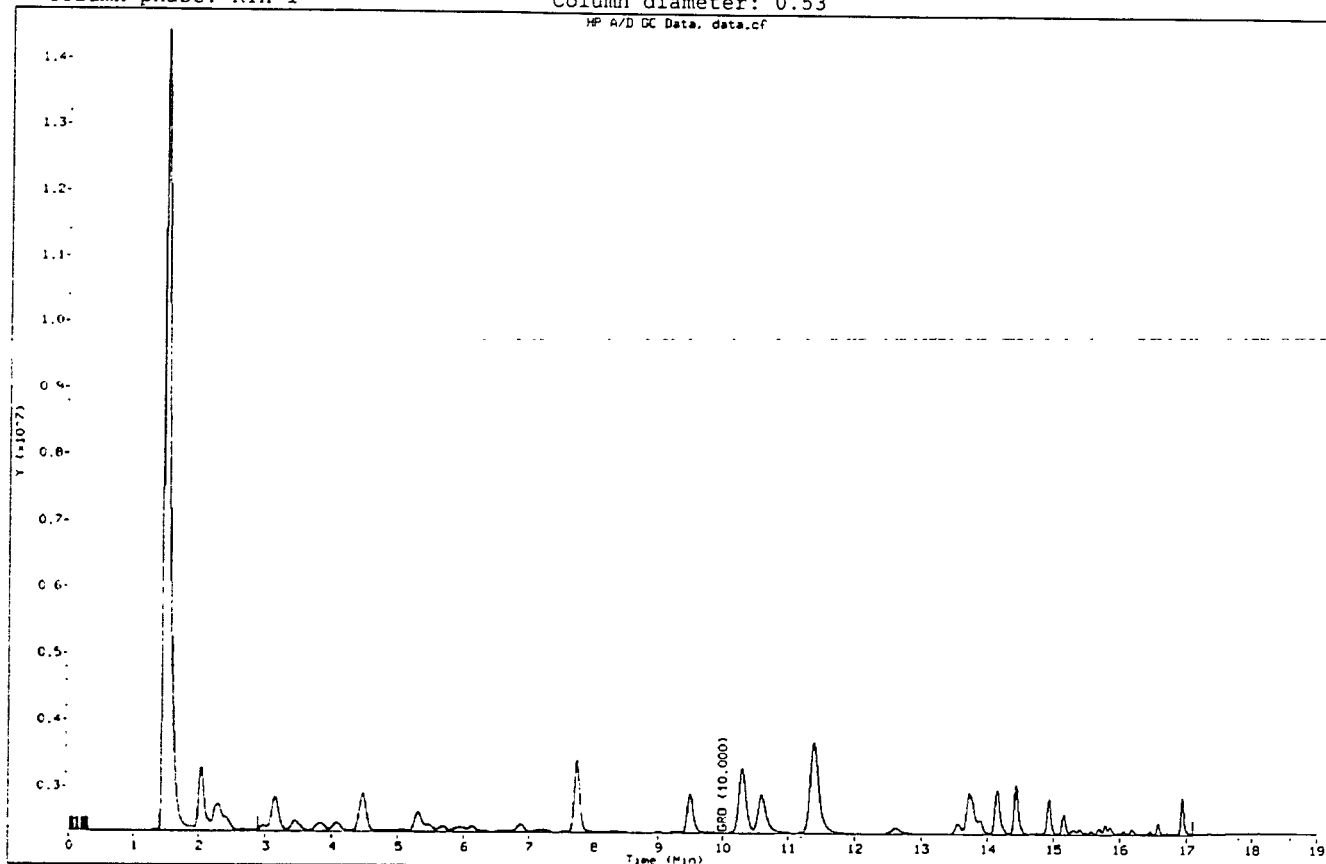
Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53

HP A/D GC Data, data.cf



Data File: \\10samba\chem\10gcv3.i\051706a.b\p6-13721.d

Page 1

Report Date: 18-May-2006 09:44

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\051706a.b\p6-13721.d

Lab Smp Id: 1031842004

Inj Date : 17-MAY-2006 17:23

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1031842004

Misc Info : 3051

Comment :

Method : \\10samba\chem\10gcv3.i\051706a.b\BTEX136.m

Meth Date : 18-May-2006 09:23 voa

Quant Type: ISTD

Cal Date : 16-MAY-2006 11:32

Cal File: p6-13609.d

Als bottle: 21

Dil Factor: 10.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

ON-COLUMN FINAL

Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
-----	-----	-----	-----	-----	-----	-----
1 Methyl-t-butyl ether	3.185	3.108	(0.000)	25340	5.18387	51.8(M)
2 Benzene	5.065	5.063	(0.534)	2379116	181.404	1810(M)
S 3 a,a,a-Trifluorotoluene (S)	6.128	6.123	(0.645)	97077	26.9112	26.9
4 Toluene	7.740	7.730	(0.815)	15460339	1291.37	12900(AM)
5 Chlorofluorobenzene	9.495	9.493	(1.000)	792841	123.000	
6 Ethylbenzene	10.289	10.277	(1.054)	1560648	151.592	1520
7 m,p-Xylene	10.557	10.561	(1.112)	5783301	532.451	5320
8 o-Xylene	11.380	11.370	(1.199)	2219844	235.517	2360
M 9 Xylene (total)				8003145	767.968	7680
10 1,3,5-Trimethylbenzene	13.886	13.884	(0.000)	283569	26.2188	262(M)
11 1,2,4-Trimethylbenzene	14.424	14.420	(1.519)	769226	94.4550	944
12 Naphthalene	16.936	16.935	(1.784)	155693	35.5697	356(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv3.i\051706a.b/p6-13721.d

Report Date: 05/18/2006

Client ID:

Instrument: 10gcv3.i

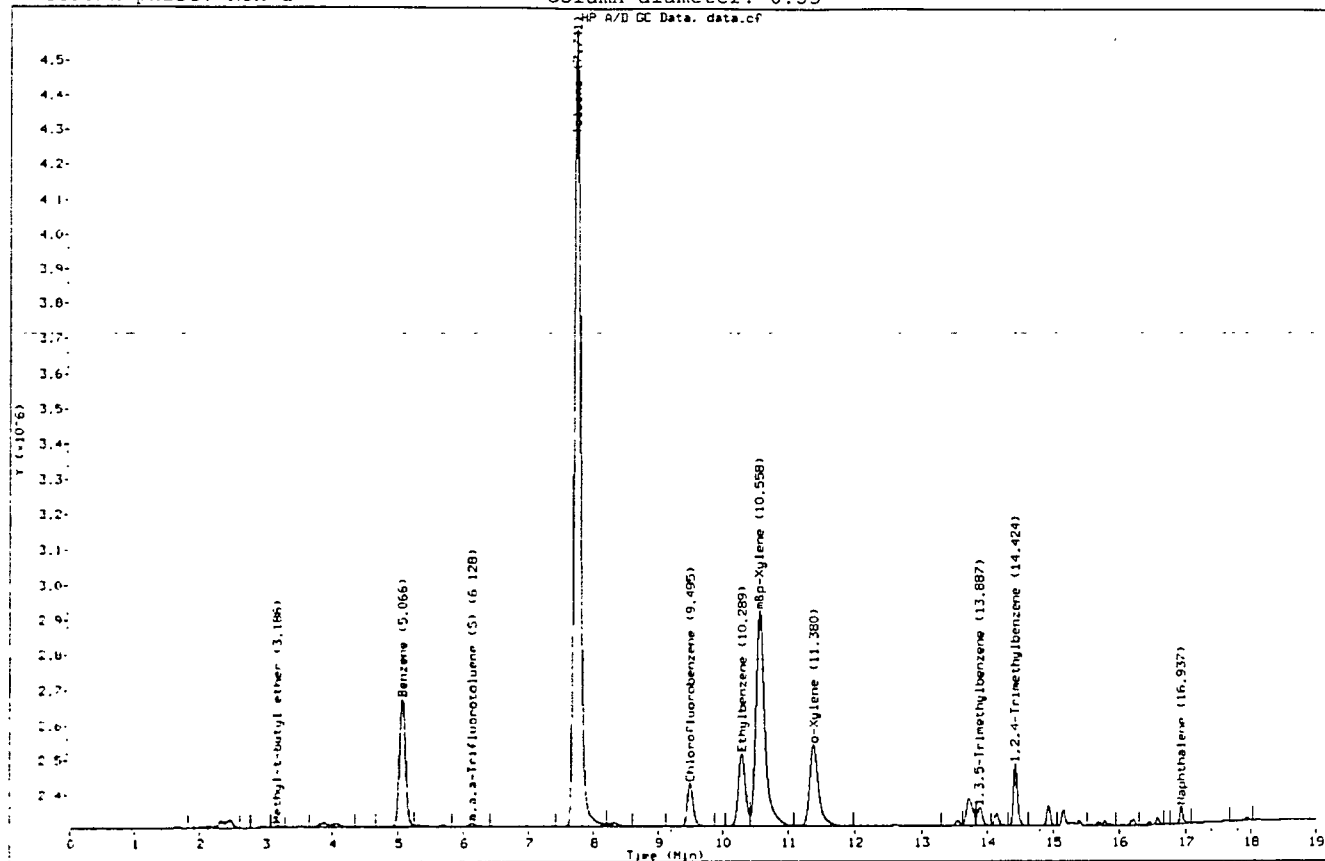
Sample Information: 1031842004

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\051806a.b\p6-13806.d

Page 1

Report Date: 18-May-2006 14:36

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\051806a.b\p6-13806.d

Lab Smp Id: 1031842004

Inj Date : 18-MAY-2006 11:31

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1031842004 100x

Misc Info : 3051

Comment :

Method : \\10samba\chem\10gcv3.i\051806a.b\BTEX136.m

Meth Date : 18-May-2006 14:33 voa

Quant Type: ISTD

Cal Date : 16-MAY-2006 11:32

Cal File: p6-13609.d

Als bottle: 6

Dil Factor: 100.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

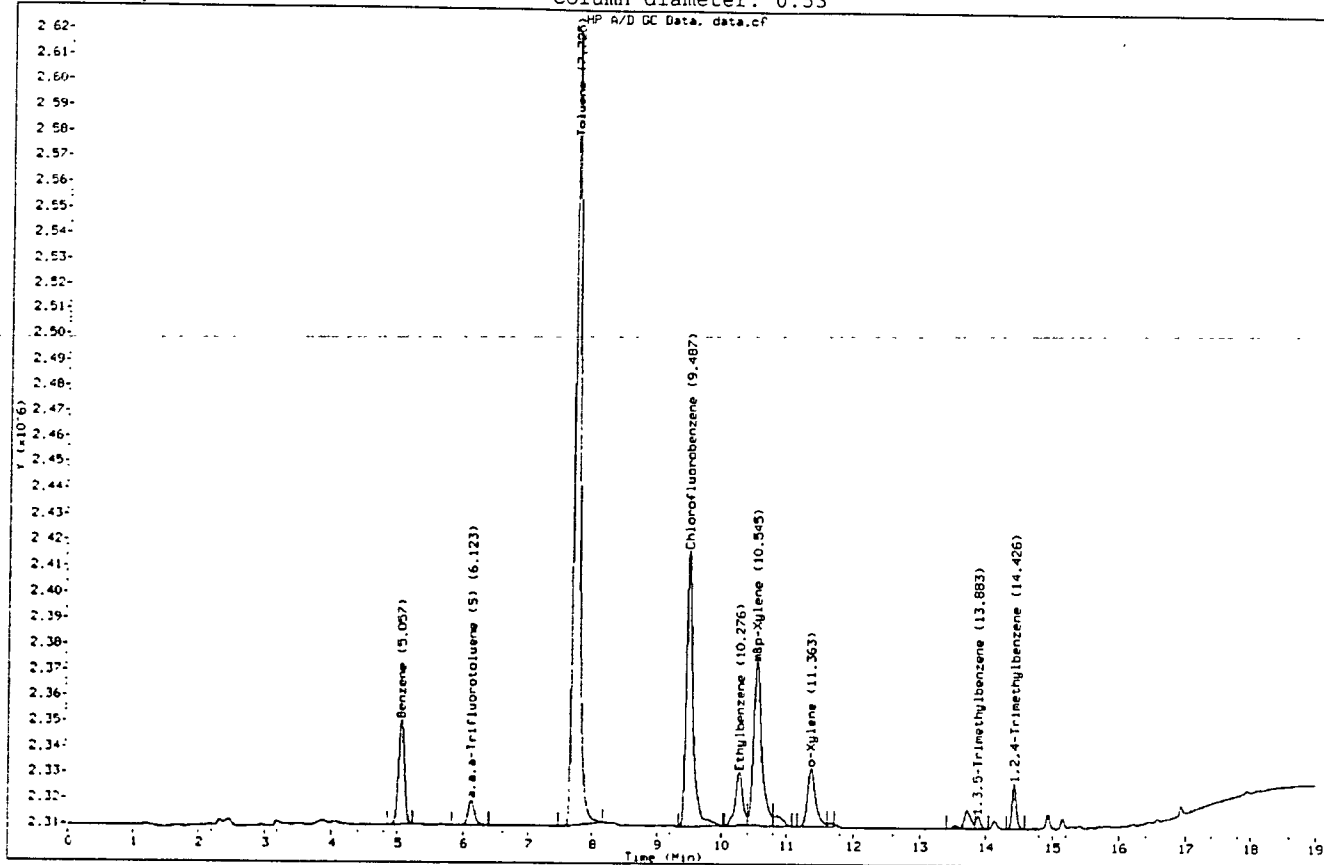
ON-COLUMN FINAL

Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
1 Methyl-t-butyl ether	Compound Not Detected.					
2 Benzene	5.056	5.060	(0.533)	254353	19.7271	1970
3 a,a,a-Trifluorotoluene (S)	6.123	6.122	(0.645)	69950	19.9564	20.0
4 Toluene	7.725	7.730	(0.814)	1955584	166.151	16600
5 Chlorofluorobenzene	9.486	9.491	(1.000)	779454	123.000	
6 Ethylbenzene	10.275	10.283	(1.083)	171793	16.9736	1700
7 m,p-Xylene	10.545	10.556	(1.112)	566109	53.2024	5320 (M)
8 o-Xylene	11.363	11.370	(1.198)	202957	21.9028	2190 (M)
M 9 Xylene (total)				771066	75.1052	7510
10 1,3,5-Trimethylbenzene	13.883	13.884	(0.000)	24314	2.28669	229 (M)
11 1,2,4-Trimethylbenzene	14.425	14.420	(1.521)	77519	9.68222	968
12 Naphthalene	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv3.i\051806a.b\p6-13806.d
Report Date: 05/18/2006
Client ID:
Sample Information: 1031842004 100x
Purge Volume:
Column phase: RTX-1
Instrument: 10gcv3.i
Operator: CAN
Column diameter: 0.53





Data File: \\10samba\chem\10gcv3.i\051706a.b\f6-13721.d

Page 1

Report Date: 18-May-2006 09:56

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\051706a.b\f6-13721.d

Lab Smp Id: 1031842004

Inj Date : 17-MAY-2006 17:23

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1031842004

Misc Info : 3051

Comment :

Method : \\10samba\chem\10gcv3.i\051706a.b\Gro136.m

Meth Date : 18-May-2006 09:54 10gcv3.i Quant Type: ESTD

Cal Date : 16-MAY-2006 11:32

Cal File: f6-13609.d

Als bottle: 21

Dil Factor: 10.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

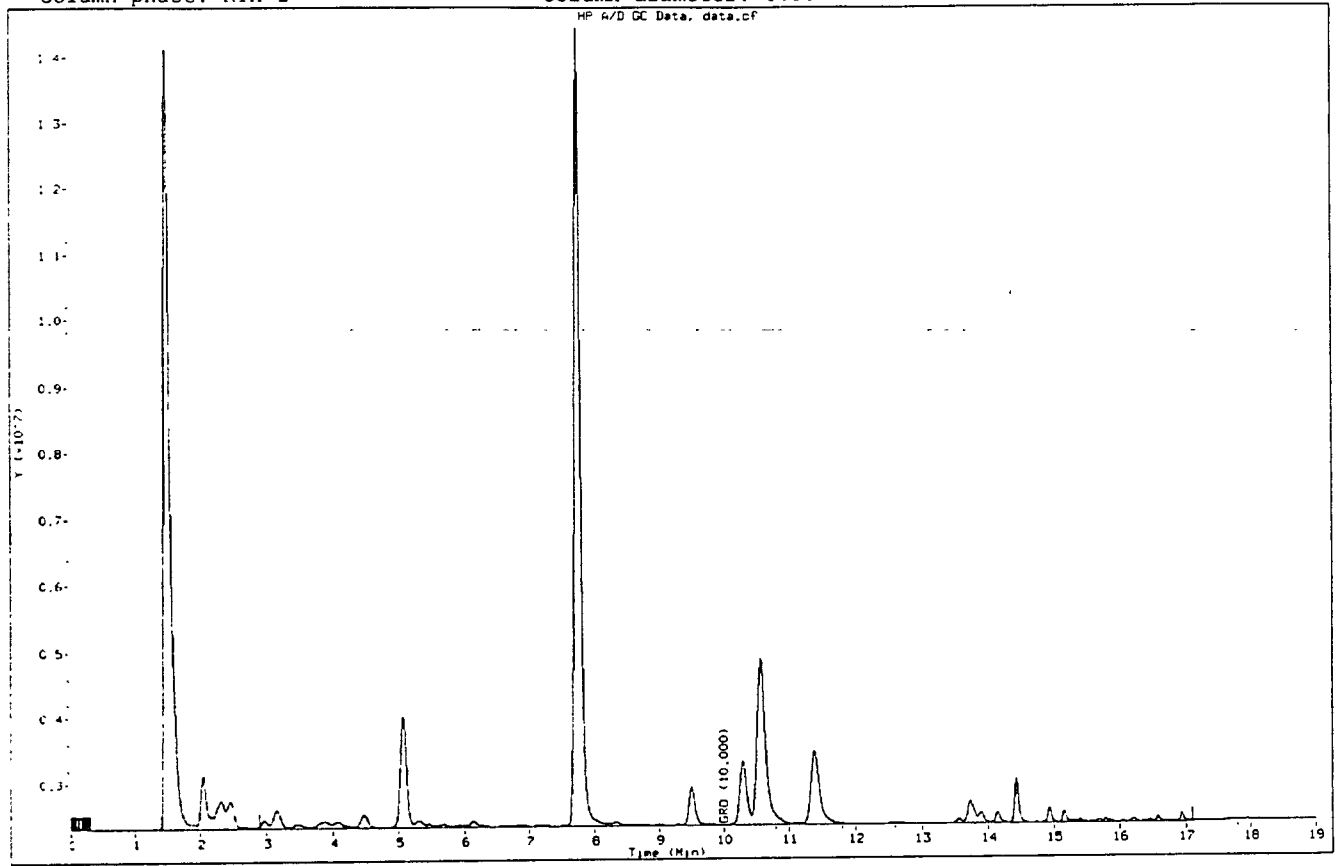
Local Compound Variable

CONCENTRATIONS

ON-COLUMN FINAL

Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GRO	2.900-17.100			3130008813	3480.35	34800
S 6 Chlorofluorobenzene	Compound Not Detected.					

Data File: \\10samba\chem\10gcv3.i\051706a.b/f6-13721.d
Report Date: 05/18/2006
Client ID: Instrument: 10gcv3.1
Sample Information: 1031842004
Purge Volume: Operator: CAN
Column phase: RTX-1 Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\051706a.b\f6-13704.d

Page 1

Report Date: 18-May-2006 09:55

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\051706a.b\f6-13704.d

Lab Smp Id: 1031842005

Client Smp ID: 1031842005

Inj Date : 17-MAY-2006 09:52

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1031842005

Misc Info : 3051

Comment :

Method : \\10samba\chem\10gcv3.i\051706a.b\Gro136.m

Meth Date : 18-May-2006 09:54 10gcv3.i Quant Type: ESTD

Cal Date : 16-MAY-2006 11:32

Cal File: f6-13609.d

Als bottle: 4

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable



CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
-----	-----	-----	-----	-----	-----	-----
5 5 GRC				Compound Not Detected.		
5 6 Chlorofluorobenzene				Compound Not Detected.		

Data File: \\10samba\chem\10gcv3.i\051706a.b\f6-13704.d

Report Date: 05/18/2006

Client ID: 1031842005

Sample Information: 1031842005

Instrument: 10gcv3.i

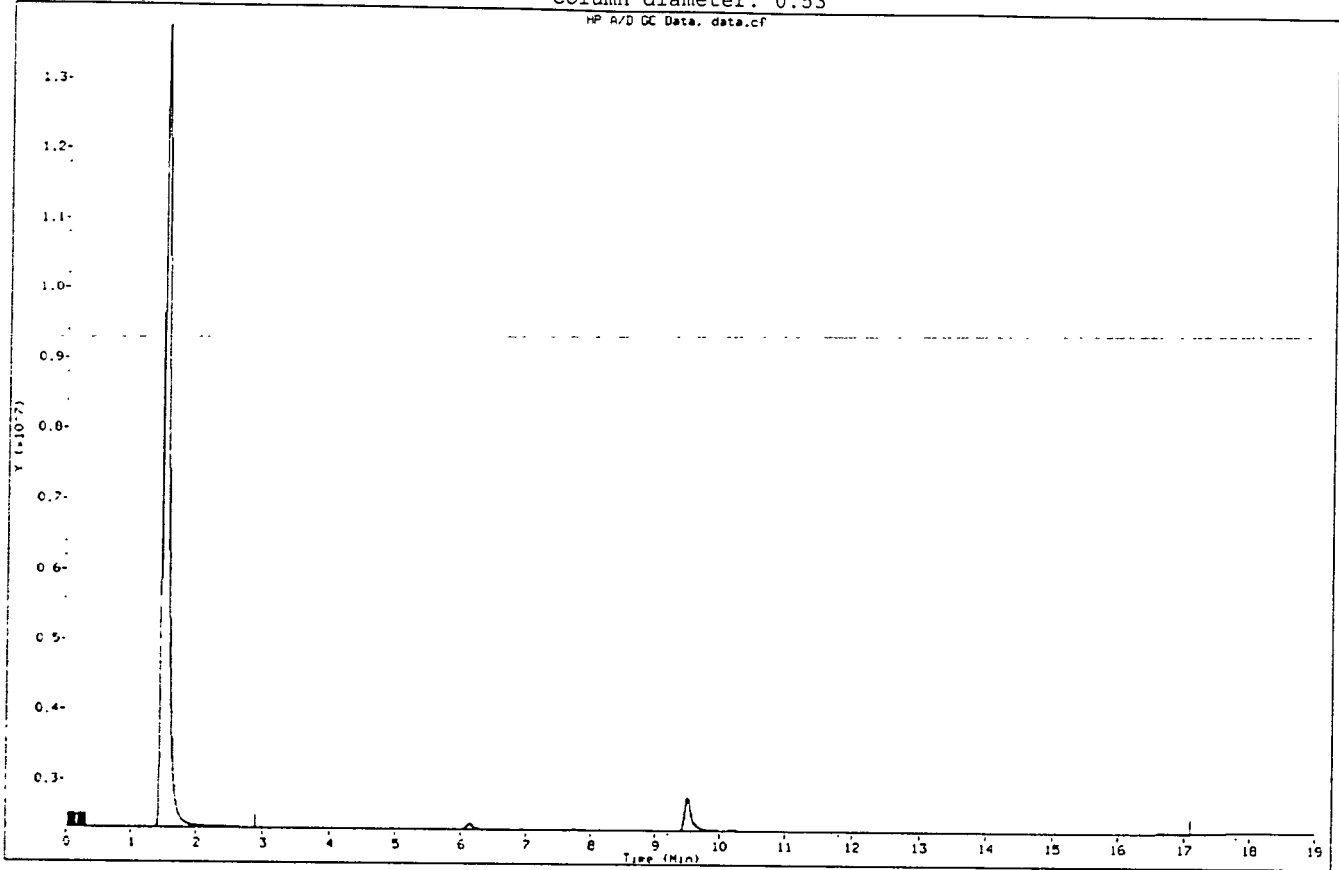
Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53

HP A/D GC Data. data.cf



Data File: \\10samba\chem\10gcv3.i\051706a.b\p6-13704.d

Page 1

Report Date: 18-May-2006 09:43

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\051706a.b\p6-13704.d

Lab Smp Id: 1031842005

Client Smp ID: 1031842005

Inj Date : 17-MAY-2006 09:52

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1031842005

Misc Info : 3051

Comment :

Method : \\10samba\chem\10gcv3.i\051706a.b\BTEX136.m

Meth Date : 18-May-2006 09:23 voa

Quant Type: ISTD

Cal Date : 16-MAY-2006 11:32

Cal File: p6-13609.d

Als bottle: 4

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable



CONCENTRATIONS

ON-COLUMN FINAL

Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
1 Methyl-t-butyl ether						
2 Benzene						
3 a,a,a-Trifluorotoluene (S)	6.138	6.123	(0.646)	61701	19.1848	19.2
4 Toluene						
5 Chlorofluorobenzene	9.504	9.493	(1.000)	716501	123.000	(M)
6 Ethylbenzene						
7 m&p-Xylene						
8 o-Xylene						
M 9 Xylene (total)						
10 1,3,5-Trimethylbenzene						
11 1,2,4-Trimethylbenzene						
12 Naphthalene						

QC Flag Legend

M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv3.i\051706a.b\p6-13704.d

Report Date: 05/18/2006

Client ID: 1031842005

Instrument: 10gcv3.i

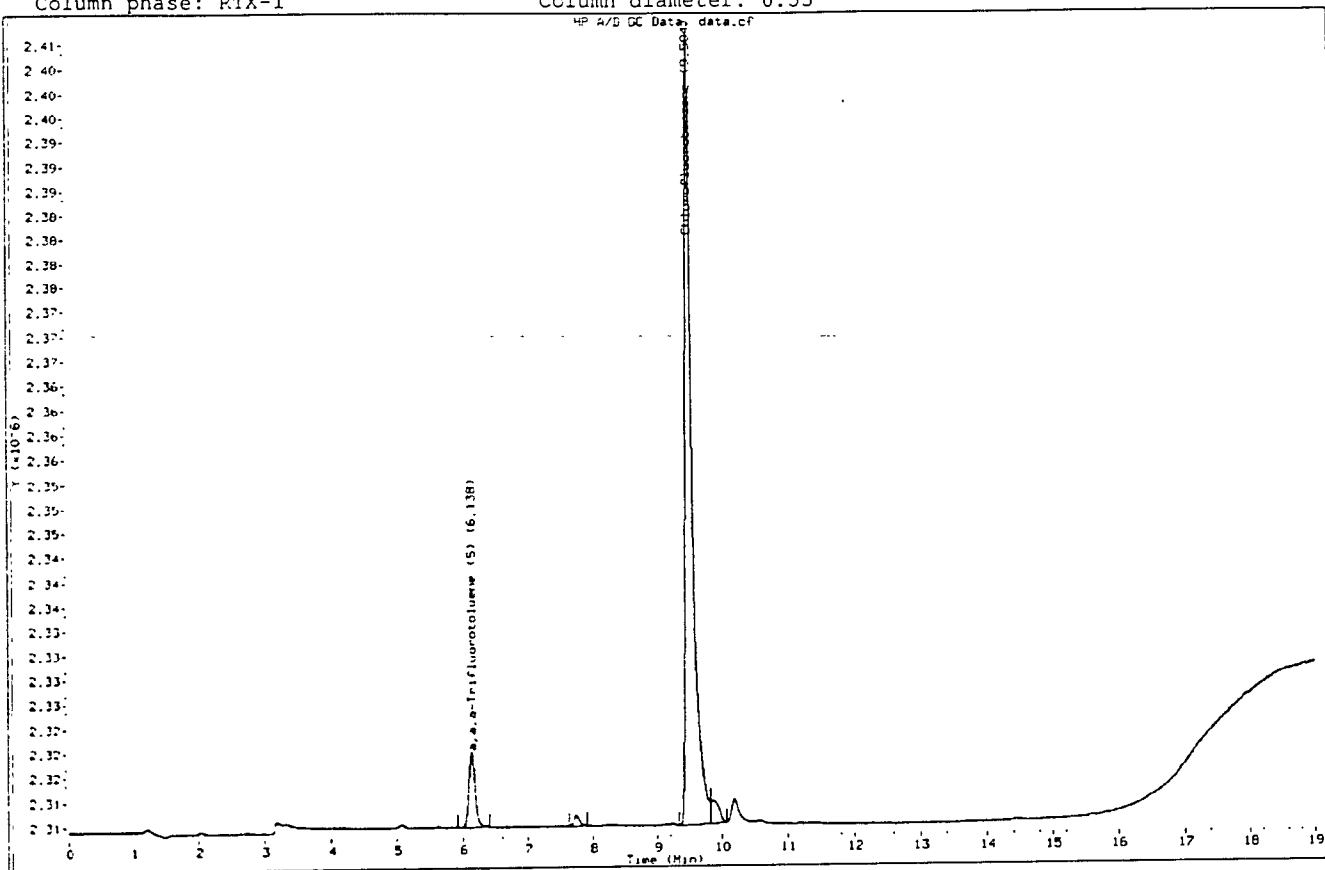
Sample Information: 1031842005

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\051706a.b\f6-13702.d

Page 1

Report Date: 18-May-2006 09:55

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\051706a.b\f6-13702.d

Lab Smp Id: 1031842006

Client Smp ID: 1031842006

Inj Date : 17-MAY-2006 09:00

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1031842006

Misc Info : 3051

Comment :

Method : \\10samba\chem\10gcv3.i\051706a.b\Gro136.m

Meth Date : 18-May-2006 09:54 10gcv3.i Quant Type: ESTD

Cal Date : 16-MAY-2006 11:32

Cal File: f6-13609.d

Als bottle: 2

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL
					(ug/L)	(ug/L)
S 5 GRO						
S 6 Chlorofluorobenzene						

Compound Not Detected.

Compound Not Detected.

Data File: \\10samba\chem\10gcv3.i\051706a.b\F6-13702.d

Report Date: 05/18/2006

Client ID: 1031842006

Instrument: 10gcv3.i

Sample Information: 1031842006

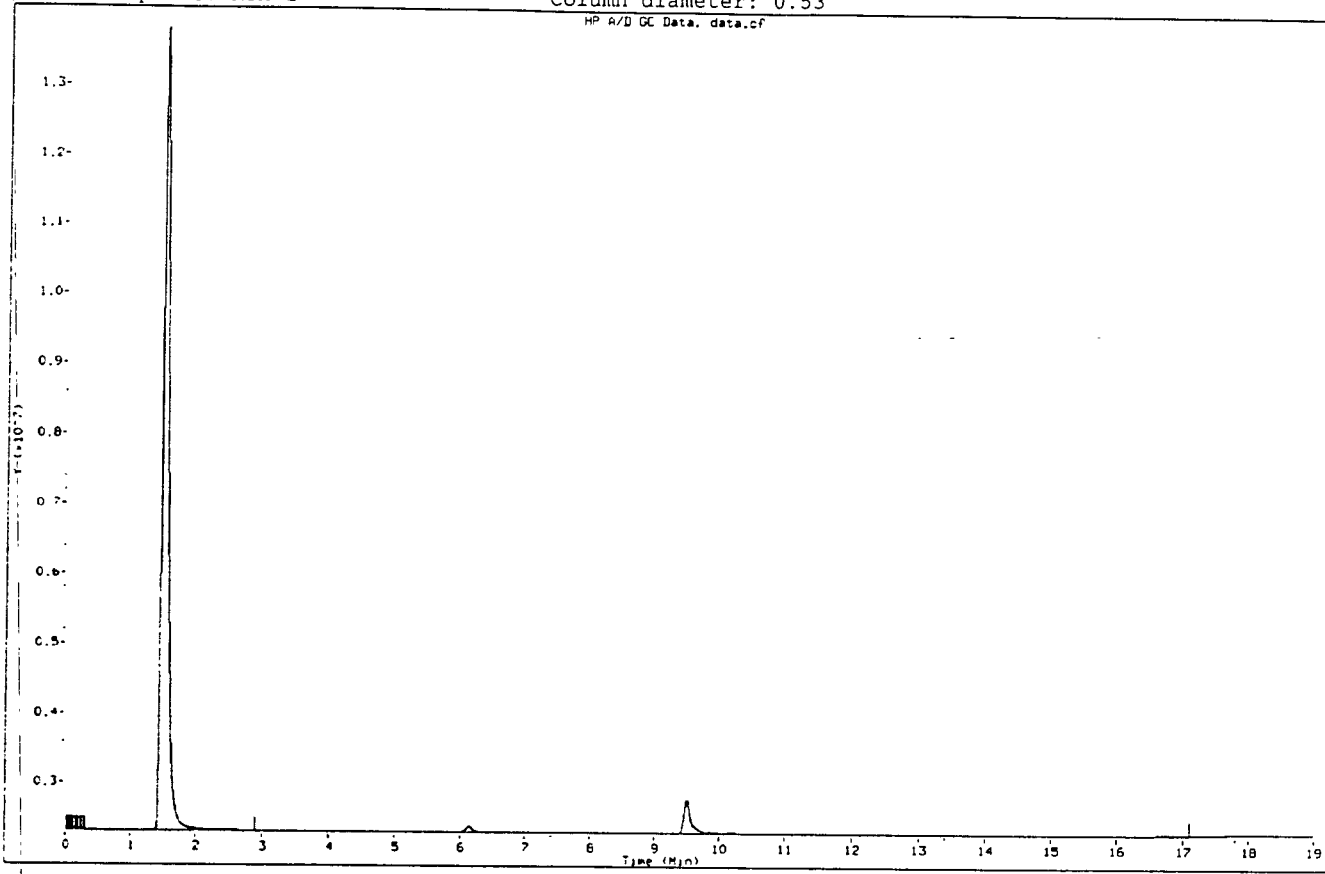
Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53

HP A/D GC Data. data.cf



Data File: \\10samba\chem\10gcv3.i\051706a.b\p6-13702.d

Page 1

Report Date: 18-May-2006 09:43

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\051706a.b\p6-13702.d

Lab Smp Id: 1031842006

Client Smp ID: 1031842006

Inj Date : '17-MAY-2006 09:00

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1031842006

Misc Info : 3051

Comment :

Method : \\10samba\chem\10gcv3.i\051706a.b\BTEX136.m

Meth Date : 18-May-2006 09:23 voa

Quant Type: ISTD

Cal Date : 16-MAY-2006 11:32

Cal File: p6-13609.d

Als bottle: 2

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether						
2 Benzene						
S 3 a,a,a-Trifluorotoluene (S)	6.136	6.123	(0.646)	63110	19.4476	19.4
4 Toluene						
5 Chlorofluorobenzene	9.505	9.493	(1.000)	722495	123.000	(M)
6 Ethylbenzene						
7 msp-Xylene						
8 o-Xylene						
M 9 Xylene (total)						
10 1,3,5-Trimethylbenzene						
11 1,2,4-Trimethylbenzene						
12 Naphthalene						

QC Flag Legend

M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv3.i\051706a.b/p6-13702.d

Report Date: 05/18/2006

Client ID: 1031842006

Instrument: 10gcv3.i

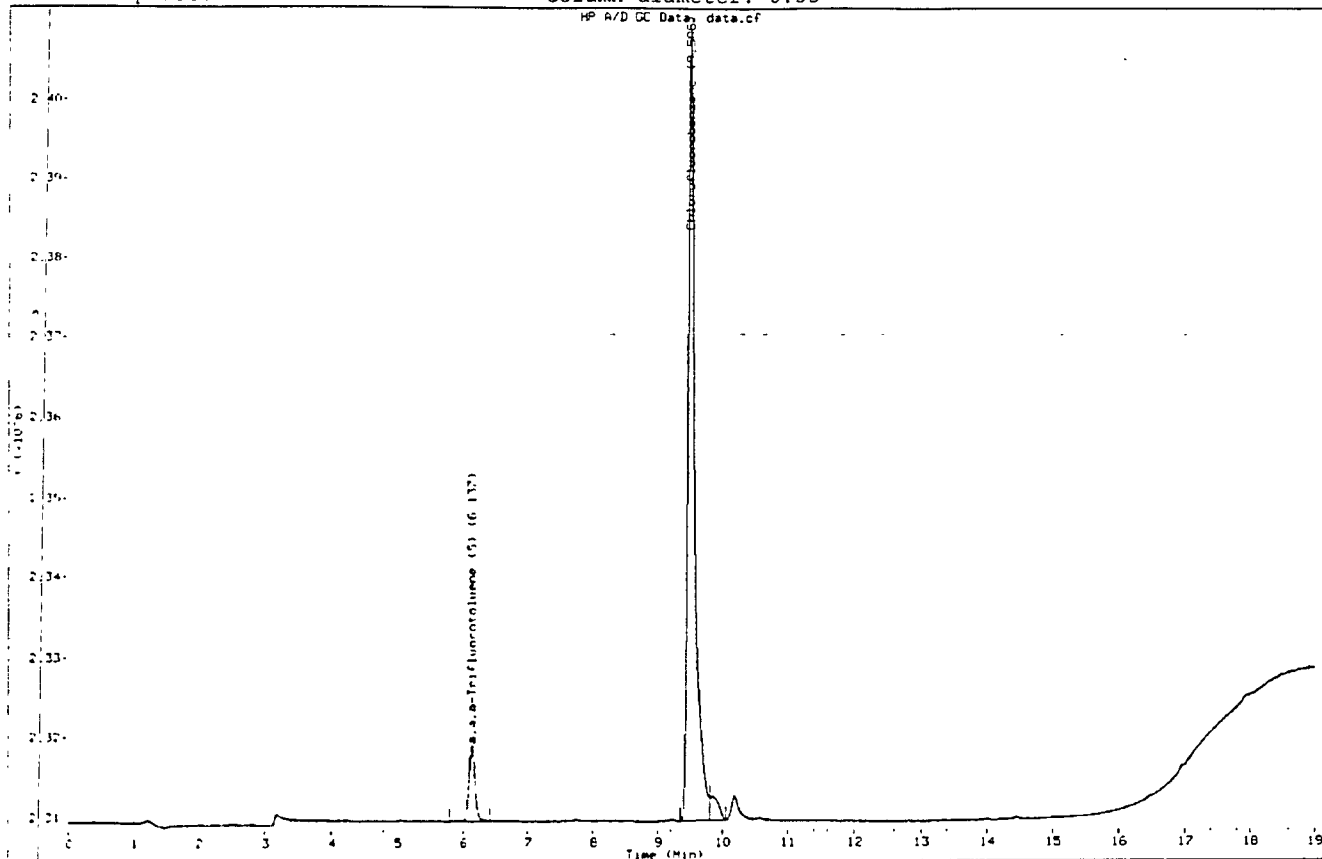
Sample Information: 1031842006

Purge Volume:

Operator: CAN

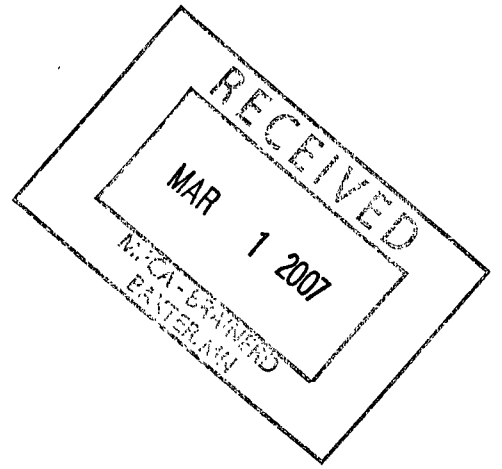
Column phase: RTX-1

Column diameter: 0.53





10/13



Annual Monitoring Report

**Former K-C Kwik Stop
Brooten, MN**

February 21, 2007

Section 3 of 3

August 31, 2006

Scott Hunke
Coteau Environmental
728 Janes Circle Drive SW
Alexandria, MN 56308

RE: Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1037365

Dear Scott Hunke:

Enclosed are the analytical results for sample(s) received by the laboratory on August 24, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,


Paul Kirchberg

paul.kirchberg@pacelabs.com
Project Manager

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 7

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



SAMPLE SUMMARY

Project KC KWIK STOP BROOTEN MN
Pace Project No 1037365

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1037365001	MW - 06	Water	08/21/06 10 17	08/24/06 17 05
1037365002	MW - 04	Water	08/21/06 11 08	08/24/06 17 05
1037365003	MW - 03	Water	08/21/06 12:02	08/24/06 17 05
1037365004	MW - 05	Water	08/21/06 13.05	08/24/06 17 05
1037365005	FIELD BLANK	Water	08/21/06 13:17	08/24/06 17.05
1037365006	TRIP BLANK	Water	08/21/06 00.00	08/24/06 17.05

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc



SAMPLE ANALYTE COUNT

Project KC KWIK STOP BROOTEN MN

Pace Project No. 1037365

Lab ID	Sample ID	Method	Analytes Reported
1037365001	MW - 06	TPH WI GRO/PVOC 8021	6
1037365002	MW - 04	TPH WI GRO/PVOC 8021	6
1037365003	MW - 03	TPH WI GRO/PVOC 8021	6
1037365004	MW - 05	TPH WI GRO/PVOC 8021	6
1037365005	FIELD BLANK	TPH WI GRO/PVOC 8021	6
1037365006	TRIP BLANK	TPH WI GRO/PVOC 8021	5

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc



ANALYTICAL RESULTS

Project **KC KWIK STOP BROOTEN MN**
Pace Project No. **1037365**

Sample: MW - 06		Lab ID: 1037365001	Collected: 08/21/06 10:17	Received: 08/24/06 17:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	ND	ppb	1.0	1		08/31/06 04:55	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		08/31/06 04:55	100-41-4	
Gasoline Range Organics	ND	ppb	100	1		08/31/06 04:55		
Toluene	ND	ppb	1.0	1		08/31/06 04:55	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		08/31/06 04:55	1330-20-7	
a.a.a-Trifluorotoluene (S)	121	%	80-141	1		08/31/06 04:55	98-08-8	

Sample: MW - 04		Lab ID: 1037365002	Collected: 08/21/06 11:08	Received: 08/24/06 17:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	ND	ppb	1.0	1		08/31/06 05:46	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		08/31/06 05:46	100-41-4	
Gasoline Range Organics	104	ppb	100	1		08/31/06 05:46		
Toluene	3.0	ppb	1.0	1		08/31/06 05:46	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		08/31/06 05:46	1330-20-7	
a.a.a-Trifluorotoluene (S)	122	%	80-141	1		08/31/06 05:46	98-08-8	

Sample: MW - 03		Lab ID: 1037365003	Collected: 08/21/06 12:02	Received: 08/24/06 17:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	5.8	ppb	1.0	1		08/31/06 06:12	71-43-2	
Ethylbenzene	54.8	ppb	1.0	1		08/31/06 06:12	100-41-4	
Gasoline Range Organics	197	ppb	100	1		08/31/06 06:12		
Toluene	15.6	ppb	1.0	1		08/31/06 06:12	108-88-3	
Xylene (Total)	5.1	ppb	3.0	1		08/31/06 06:12	1330-20-7	
a.a.a-Trifluorotoluene (S)	120	%	80-141	1		08/31/06 06:12	98-08-8	

Sample: MW - 05		Lab ID: 1037365004	Collected: 08/21/06 13:05	Received: 08/24/06 17:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	2440	ppb	50.0	50		08/31/06 07:30	71-43-2	
Ethylbenzene	2040	ppb	50.0	50		08/31/06 07:30	100-41-4	
Gasoline Range Organics	45100	ppb	5000	50		08/31/06 07:30		
Toluene	20900	ppb	50.0	50		08/31/06 07:30	108-88-3	
Xylene (Total)	9370	ppb	150	50		08/31/06 07:30	1330-20-7	
a.a.a-Trifluorotoluene (S)	100	%	80-141	50		08/31/06 07:30	98-08-8	

Date: 08/31/2006 04:23 PM

REPORT OF LABORATORY ANALYSIS

Page 4 of 7

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc



ANALYTICAL RESULTS

Project KC KWIK STOP BROOTEN MN

Pace Project No. 1037365

Sample: FIELD BLANK		Lab ID: 1037365005	Collected: 08/21/06 13:17	Received: 08/24/06 17:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	ND ppb		1.0	1		08/30/06 22:27	71-43-2	
Ethylbenzene	ND ppb		1.0	1		08/30/06 22:27	100-41-4	
Gasoline Range Organics	ND ppb		100	1		08/30/06 22:27		
Toluene	ND ppb		1.0	1		08/30/06 22:27	108-88-3	
Xylene (Total)	ND ppb		3.0	1		08/30/06 22:27	1330-20-7	
a,a,a-Trifluorotoluene (S)	124 %		80-141	1		08/30/06 22:27	98-08-8	

Sample: TRIP BLANK		Lab ID: 1037365006	Collected: 08/21/06 00:00	Received: 08/24/06 17:05	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	ND ppb		1.0	1		08/30/06 21:35	71-43-2	
Ethylbenzene	ND ppb		1.0	1		08/30/06 21:35	100-41-4	
Toluene	ND ppb		1.0	1		08/30/06 21:35	108-88-3	
Xylene (Total)	ND ppb		3.0	1		08/30/06 21:35	1330-20-7	
a,a,a-Trifluorotoluene (S)	116 %		80-141	1		08/30/06 21:35	98-08-8	

QUALITY CONTROL DATA

Project KC KWIK STOP BROOTEN MN
Pace Project No. 1037365

QC Batch GCV/3378 Analysis Method. TPH WI GRO/PVOC 8021
QC Batch Method TPH WI GRO/PVOC 8021 Analysis Description: WIGRO GCV Water
Associated Lab Samples: 1037365001, 1037365002, 1037365003, 1037365004, 1037365005, 1037365006

METHOD BLANK 254429

Associated Lab Samples 1037365001, 1037365002, 1037365003, 1037365004, 1037365005, 1037365006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Benzene	ppb	ND	1.0	
Gasoline Range Organics	ppb	ND	100	
Ethylbenzene	ppb	ND	1.0	
Toluene	ppb	ND	1.0	
Xylene (Total)	ppb	ND	3.0	
a.a.a-Trifluorotoluene (S)	%	120	80-141	

LABORATORY CONTROL SAMPLE & LCSD 254430

254431

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ppb	100	110	106	110	106	80-120	4	20	
Gasoline Range Organics	ppb	1000	1010	974	101	97	80-120	4	20	
Ethylbenzene	ppb	100	110	105	110	105	80-120	5	20	
Toluene	ppb	100	112	108	112	108	80-120	4	20	
Xylene (Total)	ppb	300	331	316	110	105	80-120	5	20	
a.a.a-Trifluorotoluene (S)	%				100	93	80-141			

MATRIX SPIKE SAMPLE

254432

Parameter	Units	1037236001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ppb	351 ug/L	100	440	89	80-120	
Gasoline Range Organics	ppb	2230 ug/L	1000	3050	82	80-120	
Ethylbenzene	ppb	92.9 ug/L	100	195	102	80-120	
Toluene	ppb	82.7 ug/L	100	183	100	80-120	
Xylene (Total)	ppb	391 ug/L	300	679	96	80-120	
a.a.a-Trifluorotoluene (S)	%				114	80-141	

SAMPLE DUPLICATE: 254433

Parameter	Units	1037365001 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ppb	ND	ND	0	30	
Gasoline Range Organics	ppb	ND	ND	0	30	
Ethylbenzene	ppb	ND	ND	0	30	
Toluene	ppb	ND	ND	0	30	
Xylene (Total)	ppb	ND	ND	0	30	
a.a.a-Trifluorotoluene (S)	%	121	115	5		

QUALIFIERS

Project KC KWIK STOP BROOTEN MN
Pace Project No. 1037365

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

MDL - Adjusted Method Detection Limit

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable

REPORT OF LABORATORY ANALYSIS

Page 7 of 7

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc

CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: **Section B** Required Project Information: **Section C** Invoice Information:

Company: **COTEAU ENVIRONMENTAL**
 Address: **728 JAMES CIRCLE DR ALEXANDRIA, VA 56308**
 Report To: _____
 Copy To: _____
 Purchase Order No.: _____
 Attention: **SCOTT**
 Company Name: **COTEAU**
 Address: _____
 Project Name: **KC KUIK STOP**
 Project Number: **1300701, WNR**
 Pace Project Manager: _____
 Pace Quote Reference: _____
 Pace Profile #: _____

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA Other _____
SITE LOCATION
 GA IL IN MI MN NC
 OH SC WI OTHER _____

ITEM #	Section D Required Client Information	Valid Matrix Codes	CODE	MATRIX CODE	SAMPLE TYPE G-GRAB C-COMP	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Filtered (Y/N)	Requested Analysis:	Residual Chlorine (Y/N)	Pace Project Number Lab ID
						DATE	TIME			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl				
1	MW-06			WT	G	8/21/06	1017		3									001	
2	MW-04						1108		3									002	
3	MW-03						1202		3									003	
4	MW-05						1305		3									004	
5	FIELD	BLANK					1317		2									005	
6	TRIP	BLANK							1									006	
7	TEMP	BLANK																	
8																			
9																			
10																			
11																			
12																			

RELIQUISHED BY / AFFILIATION **DATE** **TIME** **ACCEPTED BY / AFFILIATION** **DATE** **TIME** **SAMPLE CONDITION**

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: **SCOTT HUNTE**
 SIGNATURE of SAMPLER: _____
 DATE Signed / (MM / DD / YY): **8/24/06**
 Temp in °C: _____
 Received on Ice: Y N
 Custody Sealed Cooler: Y N
 Samples Intact: Y N

Sample Condition Upon Receipt



Client Name: Coteau Project # 1037365

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 230194010

Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 1.6

Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 8/24/06 [Signature]

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>WT</u>	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16. <u>4 trip Blanks</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>062606-3</u>	

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: C. Drost Date: 8-25-06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Data File: \\10samba\chem\10gcv3.i\083006a.b\f6-24246.d

Page 1

Report Date: 31-Aug-2006 11:56

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\083006a.b\f6-24246.d

Lab Smp Id: 1037365001

Inj Date : 31-AUG-2006 04:55

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1037365001

Misc Info : 3378

Comment :

Method : \\10samba\chem\10gcv3.i\083006a.b\Gro228.m

Meth Date : 31-Aug-2006 11:55 10gcv3.i Quant Type: ESTD

Cal Date : 16-AUG-2006 12:20

Cal File: f6-22809.d

Als bottle: 46

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL
					(ug/L)	(ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GRO				Compound Not Detected.		
S 6 Chlorofluorobenzene				Compound Not Detected.		

Data File: \\10samba\chem\10gcv3.i\083096a.b/f6-24246.d

Report Date: 08/31/2006

Client ID:

Instrument: 10gcv3.i

Sample Information: 1037365001

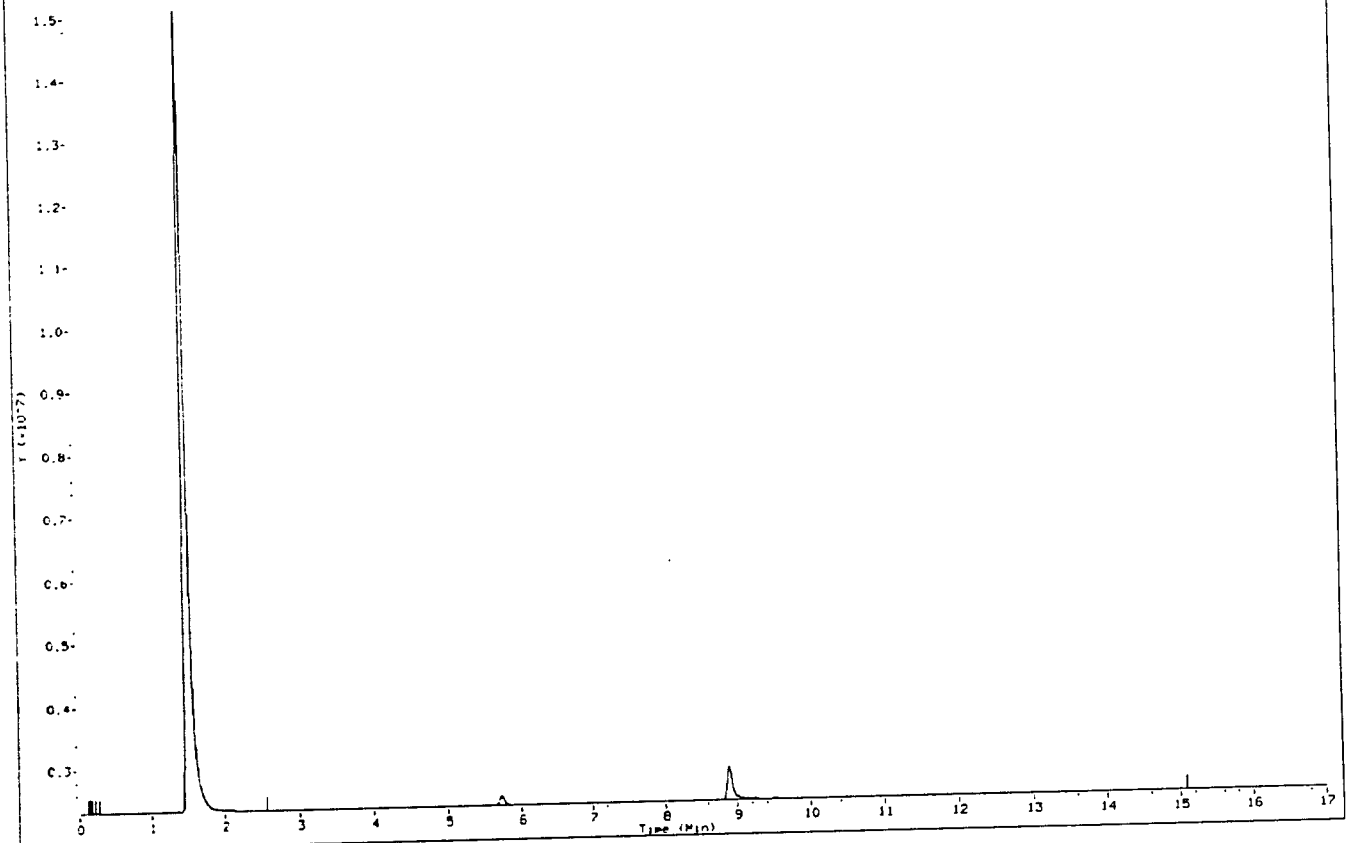
Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53

HP A/D GC Data. data.cf



Data File: \\10samba\chem\10gcv3.i\083006a.b\p6-24246.d

Page 1

Report Date: 31-Aug-2006 10:58

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\083006a.b\p6-24246.d

Lab Smp Id: 1037365001

Inj Date : 31-AUG-2006 04:55

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1037365001

Misc Info : 3378

Comment :

Method : \\10samba\chem\10gcv3.i\083006a.b\BTEX228.m

Meth Date : 31-Aug-2006 09:01 10gcv3.i Quant Type: ISTD

Cal Date : 16-AUG-2006 12:20 Cal File: p6-22809.d

Als bottle: 46

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COLUMN FINAL

Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
1 Methyl-t-butyl ether						
2 Benzene						
S 3 a,a,a-Trifluorotoluene (S)	5.729	5.711	(0.645)	27826	24.1811	24.2
4 Toluene						
* 5 Chlorofluorobenzene	8.885	8.861	(1.000)	182365	123.000	
6 Ethylbenzene						
7 m,p-Xylene						
8 o-Xylene						
M 9 Xylene (total)						
10 1,3,5-Trimethylbenzene						
11 1,2,4-Trimethylbenzene						
12 Naphthalene						

Data File: \\10samba\chem\10gcv3.1\083006a.b\p6-24246.d

Report Date: 08/31/2006

Client ID:

Instrument: 10gcv3.i

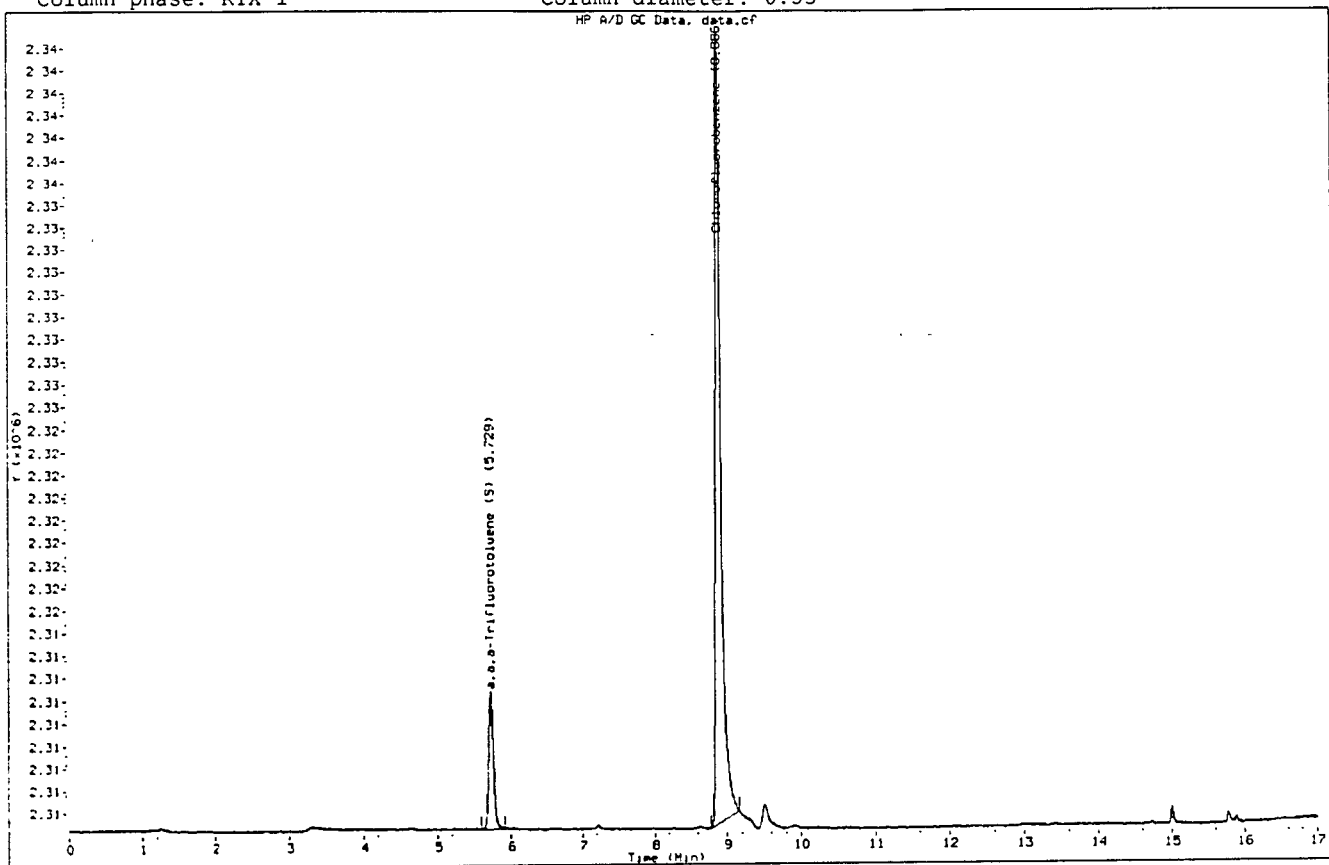
Sample Information: 1037365001

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\083006a.b\f6-24248.d

Page 1

Report Date: 31-Aug-2006 11:56

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\083006a.b\f6-24248.d

Lab Smp Id: 1037365002

Inj Date : 31-AUG-2006 05:46

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1037365002

Misc Info : 3378

Comment :

Method : \\10samba\chem\10gcv3.i\083006a.b\Gro228.m

Meth Date : 31-Aug-2006 11:55 10gcv3.i Quant Type: ESTD

Cal Date : 16-AUG-2006 12:20

Cal File: f6-22809.d

Als bottle: 48

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

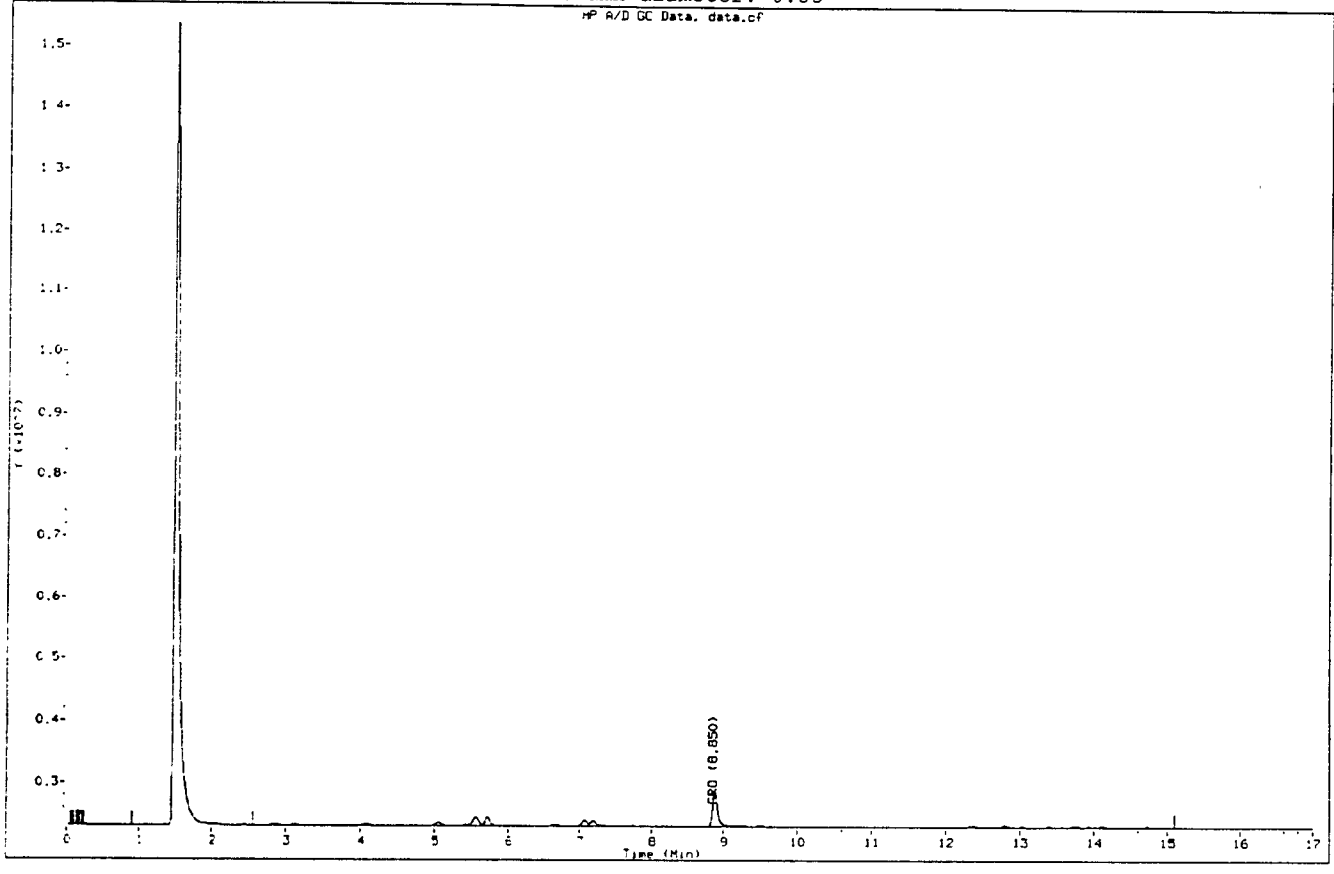
CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
S 5 GRO	2.600-15.100			163580611	103.748	103.7 (M)
S 6 Chlorofluorobenzene	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv3.1\083006a.b/f6-24248.d
Report Date: 08/31/2006
Client ID:
Sample Information: 1037365002
Purge Volume:
Column phase: RTX-1
Instrument: 10gcv3.i
Operator: CAN
Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\083006a.b\p6-24248.d

Page 1

Report Date: 31-Aug-2006 10:58

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\083006a.b\p6-24248.d

Lab Smp Id: 1037365002

Inj Date : 31-AUG-2006 05:46

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1037365002

Misc Info : 3378

Comment :

Method : \\10samba\chem\10gcv3.i\083006a.b\BTEX228.m

Meth Date : 31-Aug-2006 09:01 10gcv3.i Quant Type: ISTD

Cal Date : 16-AUG-2006 12:20

Cal File: p6-22809.d

Als bottle: 48

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

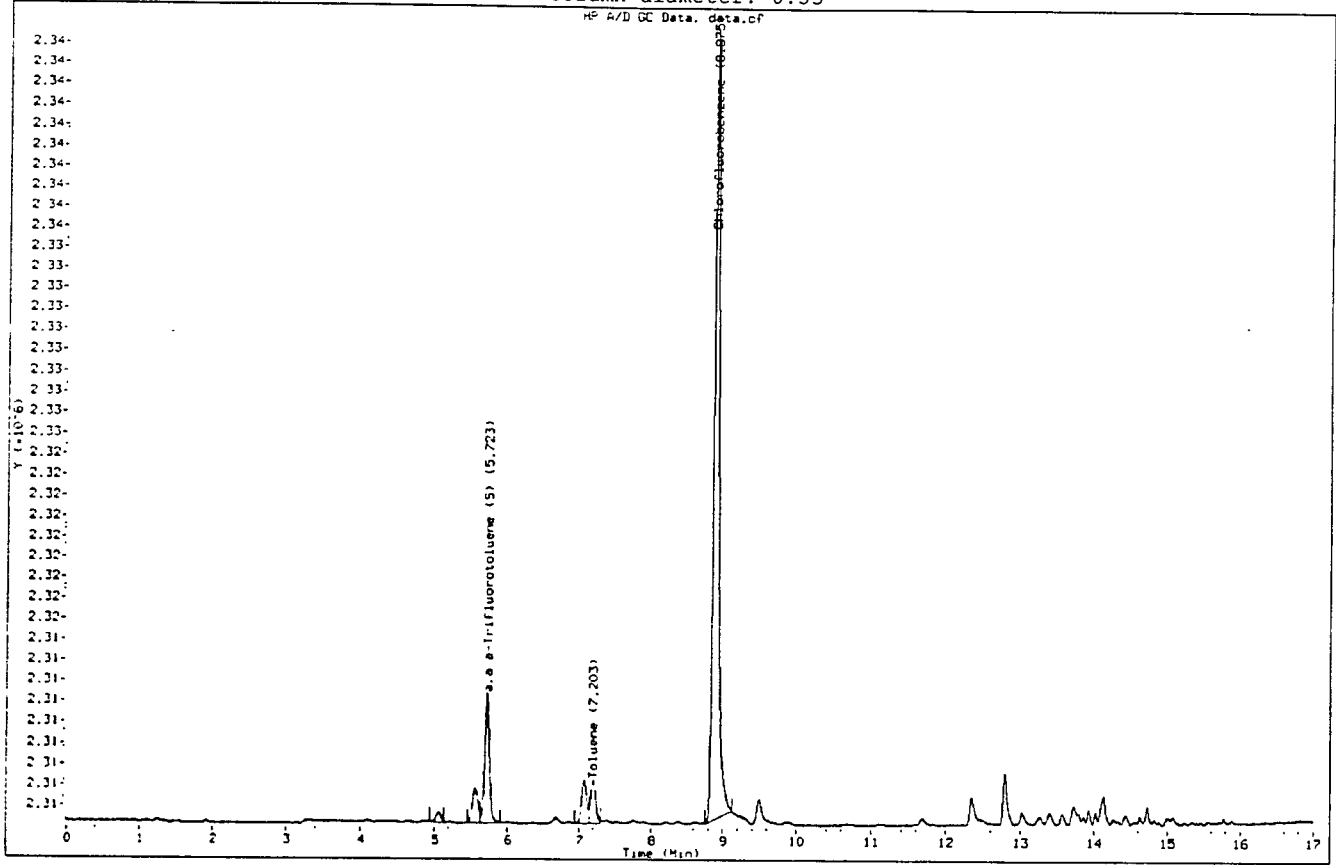
CONCENTRATIONS

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether						
2 Benzene						
3 a,a,a-Trifluorotoluene (S)	5.722	5.711	(0.645)	28556	24.4712	24.5(M)
4 Toluene	7.203	7.197	(0.690)	10551	2.95808	2.96(M)
5 Chlorofluorobenzene	8.875	8.861	(1.000)	185073	123.000	
6 Ethylbenzene						
7 m,p-Xylene						
8 o-Xylene						
M 9 Xylene (total)						
10 1,3,5-Trimethylbenzene						
11 1,2,4-Trimethylbenzene						
12 Naphthalene						

QC Flag Legend

M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv3.i\083006a.b\p6-24248.d
Report Date: 08/31/2006
Client ID:
Sample Information: 1037365002
Purge Volume:
Column phase: RTX-1
Instrument: 10gcv3.i
Operator: CAN
Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\083006a.b\f6-24249.d

Page 1

Report Date: 31-Aug-2006 11:56

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\083006a.b\f6-24249.d

Lab Smp Id: 1037365003

Inj Date : 31-AUG-2006 06:12

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1037365003

Misc Info : 3378

Comment :

Method : \\10samba\chem\10gcv3.i\083006a.b\Gro228.m

Meth Date : 31-Aug-2006 11:55 10gcv3.i Quant Type: ESTD

Cal Date : 16-AUG-2006 12:20

Cal File: f6-22809.d

Als bottle: 49

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

ON-COLUMN FINAL

Compounds	RT	EXP RT	ELT RT	RESPONSE	(ug/L)	(ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GRO	2.600-15.100			250065708	197.241	197.2
S 6 Chlorofluorobenzene	Compound Not Detected.					

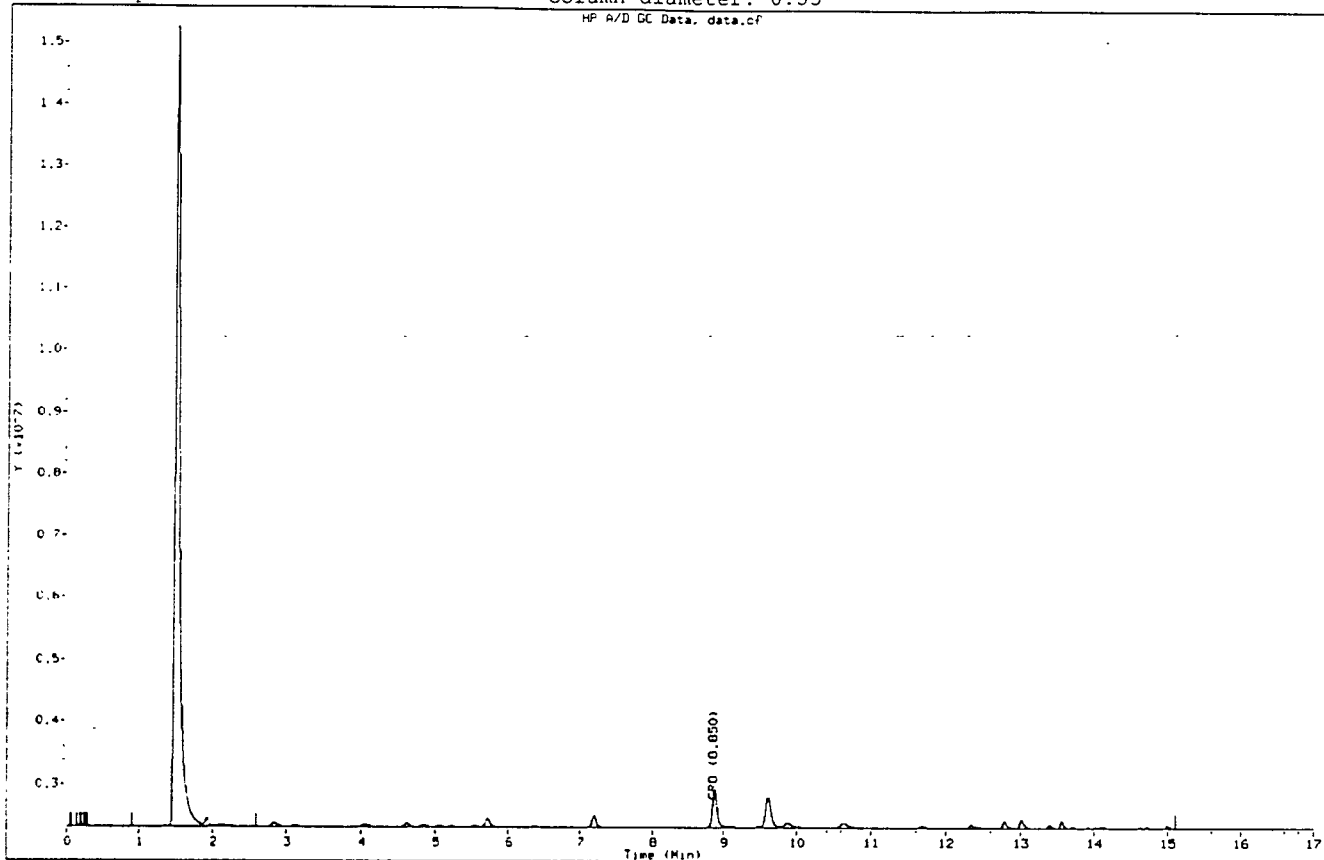
Data File: \\10samba\chem\10gcv3.1\083006a.b/f6-24249.d
Report Date: 08/31/2006
Client ID:
Sample Information: 1037365003
Purge Volume:
Column phase: RTX-1

Instrument: 10gcv3.i

Operator: CAN

Column diameter: 0.53

HP A/D GC Data: data.cf



Data File: \\10samba\chem\10gcv3.i\083006a.b\p6-24249.d

Page 1

Report Date: 31-Aug-2006 10:58

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\083006a.b\p6-24249.d

Lab Smp Id: 1037365003

Inj Date : 31-AUG-2006 06:12

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1037365003

Misc Info :

Comment :

Method : \\10samba\chem\10gcv3.i\083006a.b\BTEX228.m

Meth Date : 31-Aug-2006 09:01 10gcv3.i Quant Type: ISTD

Cal Date : 16-AUG-2006 12:20

Cal File: p6-22809.d

Als bottle: 49

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether	Compound Not Detected.					
2 Benzene	4.624	4.615	(0.000)	21864	5.83166	5.83(M)
S 3 a,a,a-Trifluorotoluene (S)	5.718	5.711	(0.645)	29185	24.0246	24.0
4 Toluene	7.202	7.197	(0.812)	57676	15.5513	15.6
5 Chlorofluorobenzene	8.870	8.861	(1.000)	192436	123.000	
6 Ethylbenzene	9.607	9.600	(1.083)	198081	54.7879	54.8(M)
7 m&p-Xylene	Compound Not Detected.					
8 o-Xylene	10.631	10.621	(1.199)	36070	5.12026	5.12
M 9 Xylene (total)				36070	5.12026	5.12
10 1,3,5-Trimethylbenzene	Compound Not Detected.					
11 1,2,4-Trimethylbenzene	13.006	13.000	(1.466)	44353	8.68085	8.68
12 Naphthalene	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File: \\10samba\chem\10gcv3.i\083006a.b/p6-24249.d

Report Date: 08/31/2006

Client ID:

Instrument: 10gcv3.i

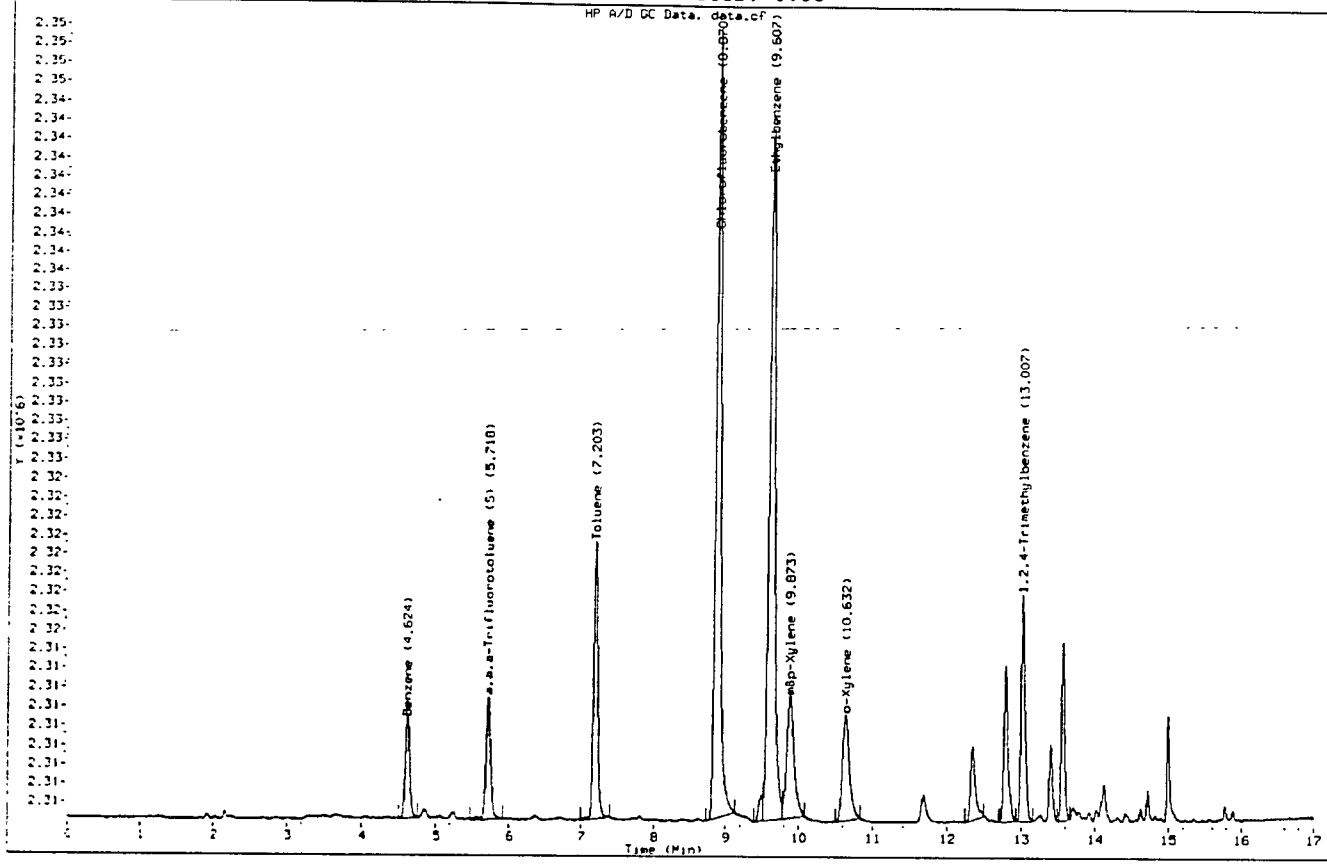
Sample Information: 1037365003

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\083006a.b\f6-24252.d

Page 1

Report Date: 31-Aug-2006 11:56

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\083006a.b\f6-24252.d

Lab Smp Id: 1037365004

Inj Date : 31-AUG-2006 07:30

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1037365004 50x

Misc Info : 3378

Comment :

Method : \\10samba\chem\10gcv3.i\083006a.b\Gro228.m

Meth Date : 31-Aug-2006 11:55 10gcv3.i Quant Type: ESTD

Cal Date : 16-AUG-2006 12:20

Cal File: f6-22809.d

Als bottle: 52

Dil Factor: 50.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
S 5 GRO	2.600-15.100			902494186	902.532	45130
S 6 Chlorofluorobenzene	Compound Not Detected.					

Data File: \\10samba\chem\10gcv3.1\083006a.b/f6-24252.d

Report Date: 08/31/2006

Client ID:

Instrument: 10gcv3.i

Sample Information: 1037365004 50x

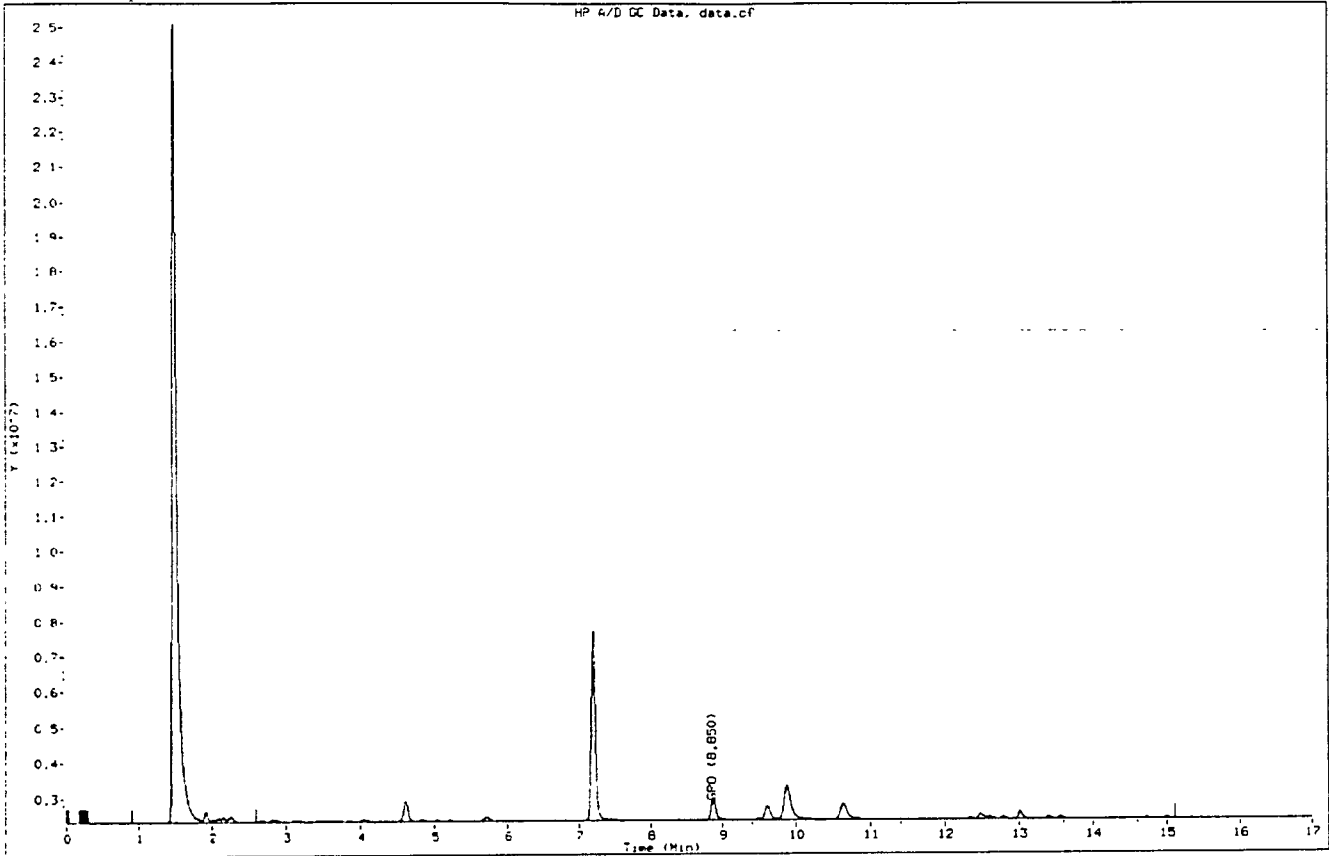
Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53

HP 47D GC Data. data.cf



Data File: \\10samba\chem\10gcv3.i\083006a.b\p6-24252.d

Page 1

Report Date: 31-Aug-2006 10:58

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\083006a.b\p6-24252.d

Lab Smp Id: 1037365004

Inj Date : 31-AUG-2006 07:30

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1037365004 50x

Misc Info : 3378

Comment :

Method : \\10samba\chem\10gcv3.i\083006a.b\BTEX228.m

Meth Date : 31-Aug-2006 09:01 10gcv3.i Quant Type: ISTD

Cal Date : 16-AUG-2006 12:20

Cal File: p6-22809.d

Als bottle: 52

Dil Factor: 50.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

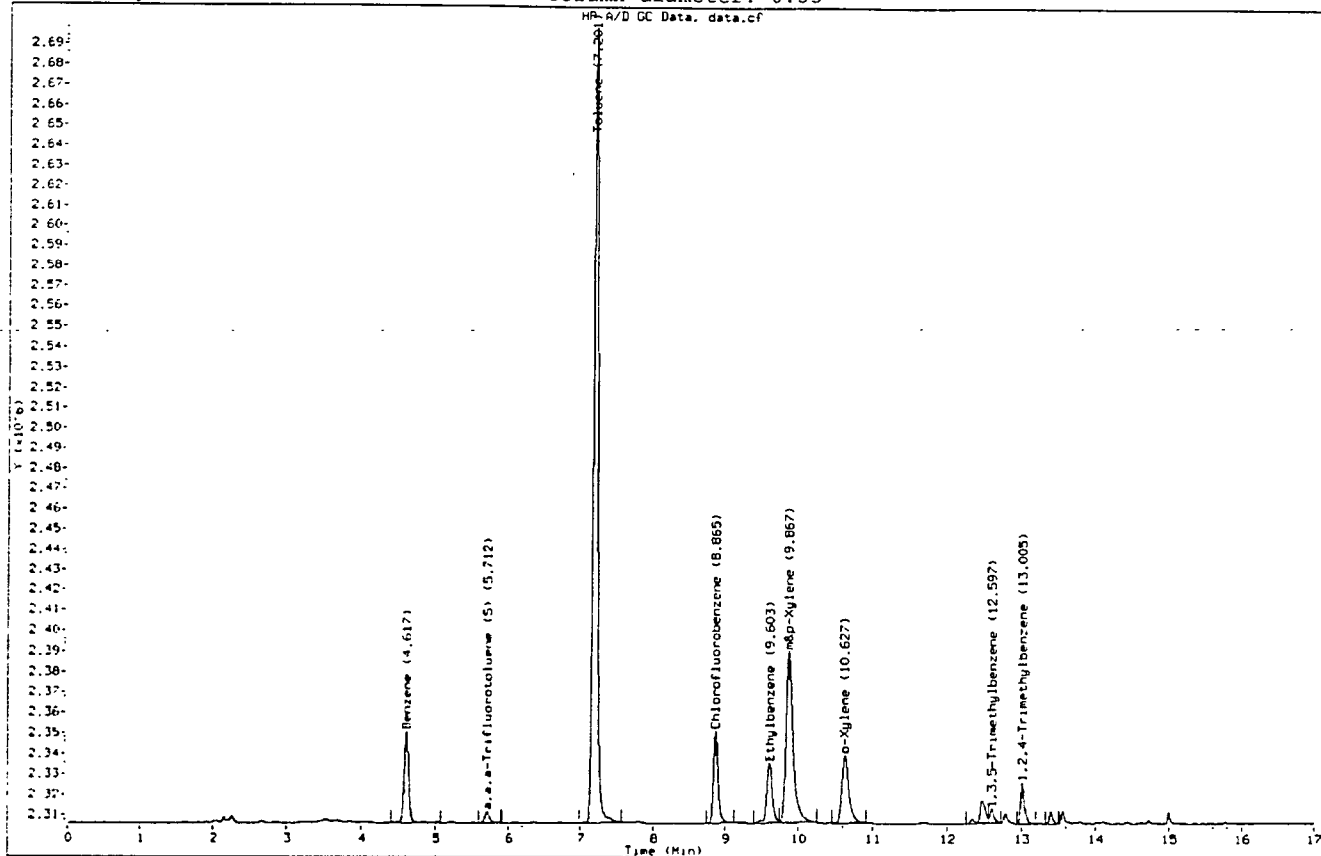
Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
-----	-----	-----	-----	-----	-----	-----
1 Methyl-t-butyl ether	Compound Not Detected.					
2 Benzene	4.616	4.615	(0.521)	192217	48.8017	2440
3 a,a,a-Trifluorotoluene (S)	5.711	5.711	(0.644)	25770	19.9240	19.9
4 Toluene	7.200	7.197	(0.812)	1625135	417.102	20800
5 Chlorofluorobenzene	8.865	8.861	(1.000)	202165	123.000	
6 Ethylbenzene	9.603	9.600	(1.083)	160426	40.8749	2040
7 m,p-Xylene	9.866	9.874	(1.113)	569530	131.665	6580
8 o-Xylene	10.626	10.621	(1.199)	217137	55.7037	2780
M 9 Xylene (total)				786667	187.368	9370
10 1,3,5-Trimethylbenzene	Compound Not Detected.					
11 1,2,4-Trimethylbenzene	13.005	13.000	(1.467)	72897	15.9362	797
12 Naphthalene	Compound Not Detected.					

Data File: \\10samba\chem\10gcv3.i\083006a.b/p6-24252.d
Report Date: 08/31/2006
Client ID:
Sample Information: 1037365004 50x
Purge Volume:
Column phase: RTX-1
Instrument: 10gcv3.i
Operator: CAN
Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\083006a.b\f6-24231.d

Page 1

Report Date: 31-Aug-2006 11:55

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\083006a.b\f6-24231.d

Lab Smp Id: 1037365005

Inj Date : 30-AUG-2006 22:27

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1037365005

Misc Info : 3378

Comment :

Method : \\10samba\chem\10gcv3.i\083006a.b\Gro228.m

Meth Date : 31-Aug-2006 11:55 10gcv3.i Quant Type: ESTD

Cal Date : 16-AUG-2006 12:20

Cal File: f6-22809.d

Als bottle: 31

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

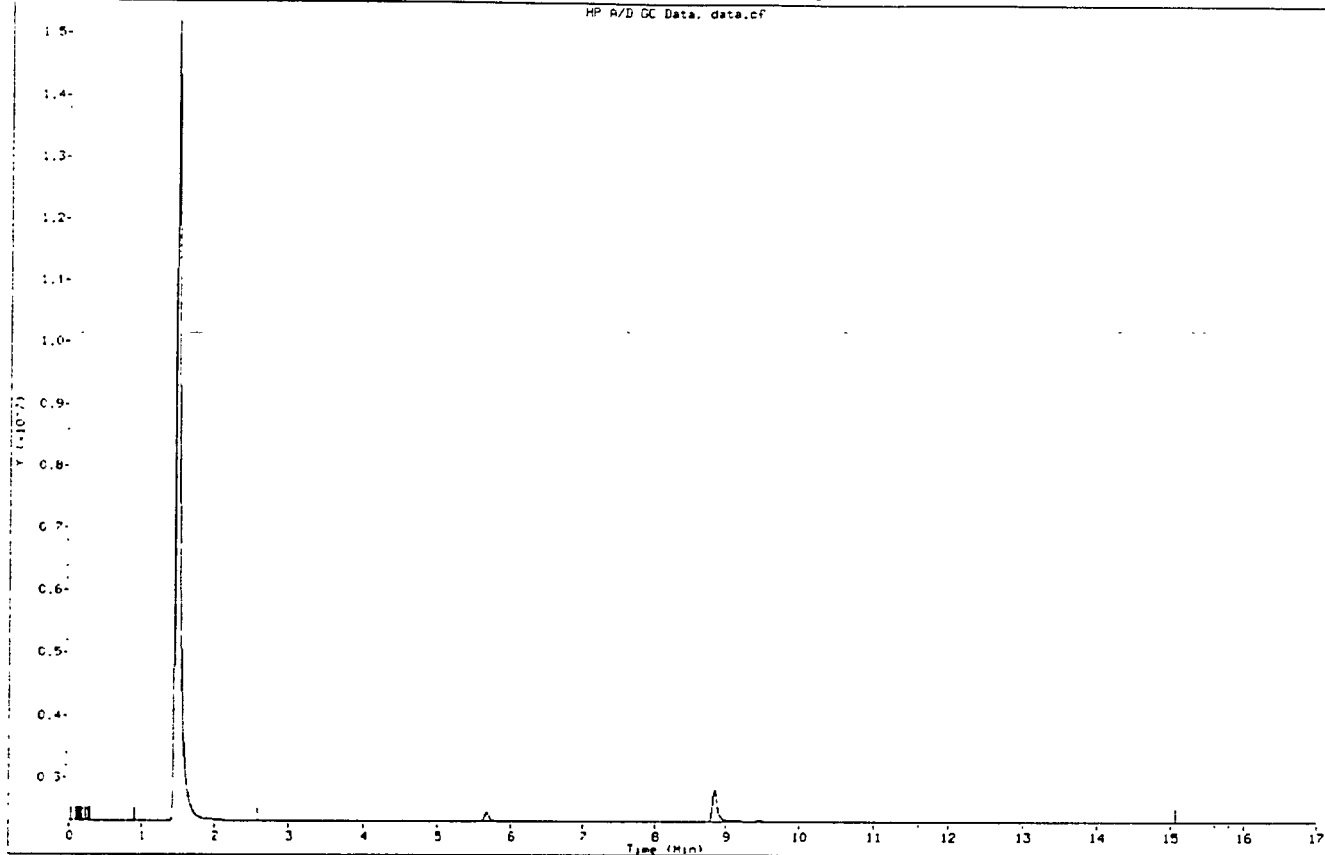
CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL
					(ug/L)	(ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GRO				Compound Not Detected.		
S 6 Chlorofluorobenzene				Compound Not Detected.		

Data File: \\10samba\chem\10gcv3.1\083006a.b/f6-24231.d
Report Date: 08/31/2006
Client ID:
Sample Information: 1037365005
Purge Volume:
Column phase: RTX-1

Instrument: 10gcv3.i
Operator: CAN
Column diameter: 0.53

HP A/D GC Data, data.cf



Data File: \\10samba\chem\10gcv3.i\083006a.b\p6-24231.d

Page 1

Report Date: 31-Aug-2006 10:58

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\083006a.b\p6-24231.d

Lab Smp Id: 1037365005

Inj Date : 30-AUG-2006 22:27

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1037365005

Misc Info : 3378

Comment :

Method : \\10samba\chem\10gcv3.i\083006a.b\BTEX228.m

Meth Date : 31-Aug-2006 09:01 10gcv3.i Quant Type: ISTD

Cal Date : 16-AUG-2006 12:20

Cal File: p6-22809.d

Als bottle: 31

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

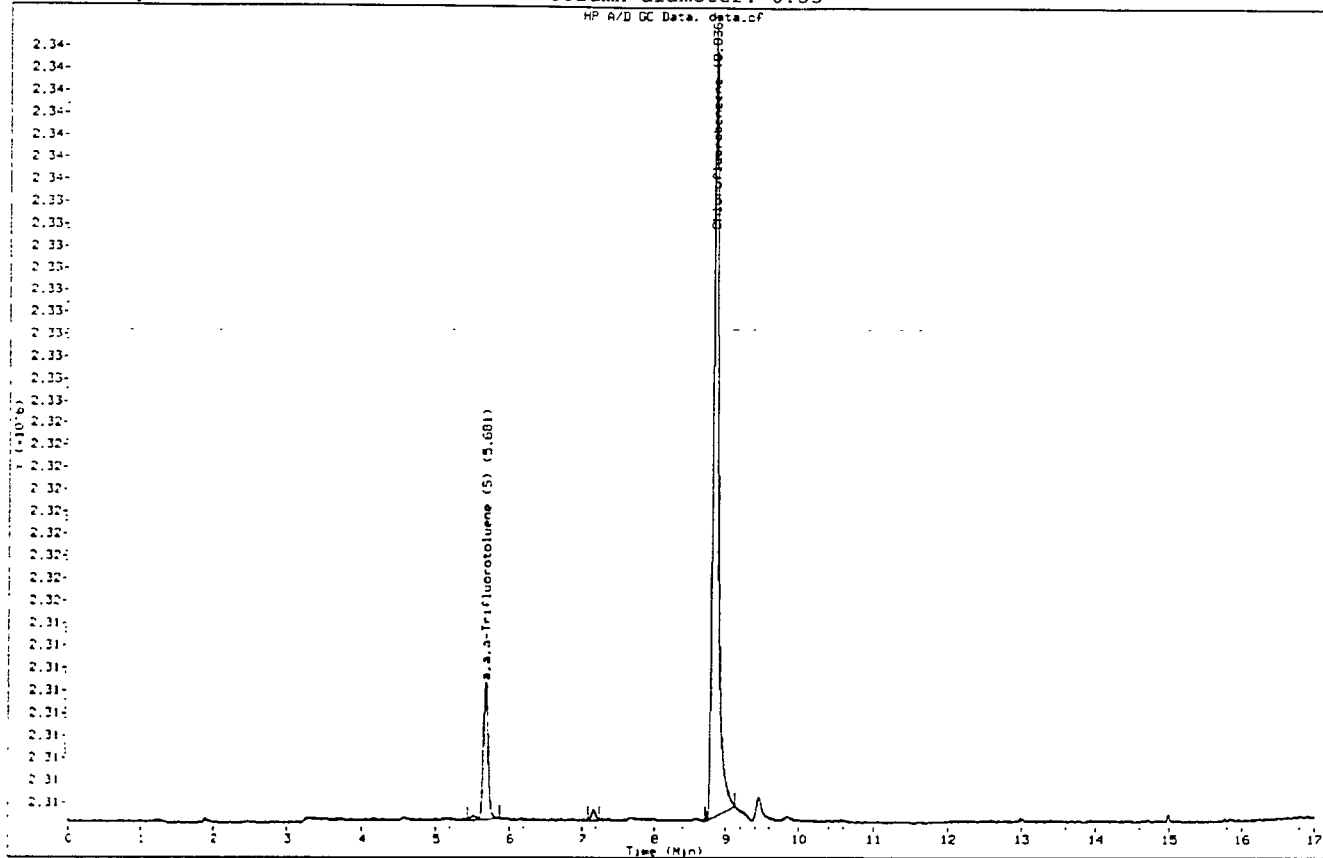
Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

Data File: \\10samba\chem\10gcv3.i\083006a.b/p6-24231.d
Report Date: 08/31/2006
Client ID:
Sample Information: 1037365005
Purge Volume:
Column phase: RTX-1
Instrument: 10gcv3.i
Operator: CAN
Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\083006a.b\f6-24229.d

Page 1

Report Date: 31-Aug-2006 11:55

Pace Analytical Services

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\10samba\chem\10gcv3.i\083006a.b\f6-24229.d

Lab Smp Id: 1037365006

Inj Date : 30-AUG-2006 21:35

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1037365006

Misc Info : 3378

Comment :

Method : \\10samba\chem\10gcv3.i\083006a.b\Gro228.m

Meth Date : 31-Aug-2006 11:55 10gcv3.i Quant Type: ESTD

Cal Date : 16-AUG-2006 12:20 Cal File: f6-22809.d

Als bottle: 29

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COLUMN FINAL

Compounds	RT	EXP PT	DLT RT	RESPONSE	(ug/L)	(ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GRC				Compound Not Detected.		
S 6 Chlorofluorobenzene				Compound Not Detected.		

Data File: \\10samba\chem\10gcv3.i\083006a.b/f6-24229.d

Report Date: 08/31/2006

Client ID:

Instrument: 10gcv3.i

Sample Information: 1037365006

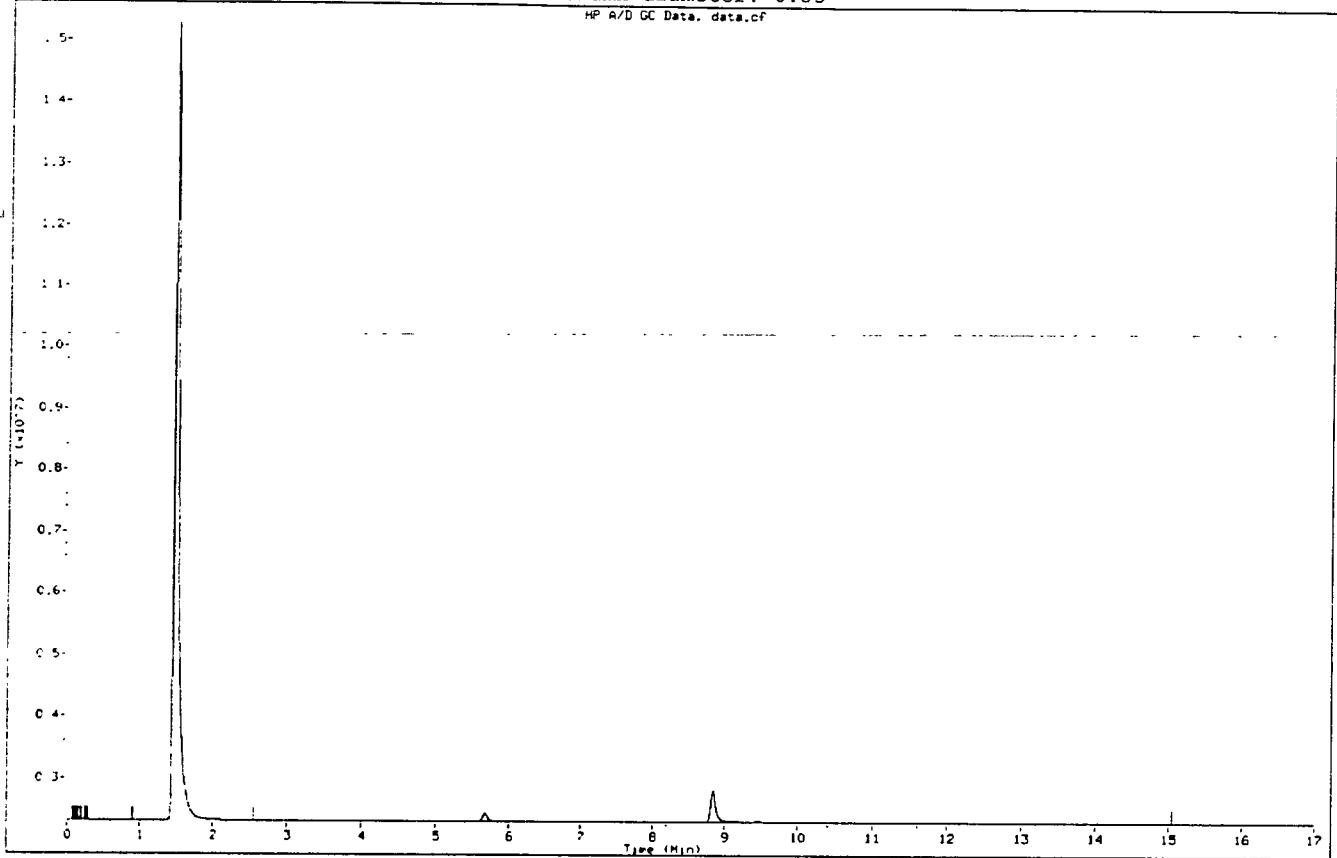
Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53

HP A/D GC Data. data.cf



Data File: \\10samba\chem\10gcv3.i\083006a.b\p6-24229.d

Page 1

Report Date: 31-Aug-2006 10:58

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\083006a.b\p6-24229.d

Lab Smp Id: 1037365006

Inj Date : 30-AUG-2006 21:35

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1037365006

Misc Info : 3378

Comment :

Method : \\10samba\chem\10gcv3.i\083006a.b\BTEX228.m

Meth Date : 31-Aug-2006 09:01 10gcv3.i Quant Type: ISTD

Cal Date : 16-AUG-2006 12:20

Cal File: p6-22809.d

Als bottle: 29

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

ON-COLUMN FINAL

Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
-----	-----	-----	-----	-----	-----	-----
1 Methyl-t-butyl ether						Compound Not Detected.
2 Benzene						Compound Not Detected.
5 3 a,a,a-Trifluorotoluene (S)	5.683	5.711	(0.643)	26757	23.2710	23.3
4 Toluene						Compound Not Detected.
5 Chlorofluorobenzene	0.837	0.861	(1.000)	181754	123.000	
6 Ethylbenzene						Compound Not Detected.
7 m,p-Xylene						Compound Not Detected.
8 o-Xylene						Compound Not Detected.
M 9 Xylene (total)						Compound Not Detected.
10 1,3,5-Trimethylbenzene						Compound Not Detected.
11 1,2,4-Trimethylbenzene						Compound Not Detected.
12 Naphthalene						Compound Not Detected.

Data File: \\10samba\chem\10gcv3.i\063006a.b/p6-24229.d

Report Date: 08/31/2006

Client ID:

Instrument: 10gcv3.i

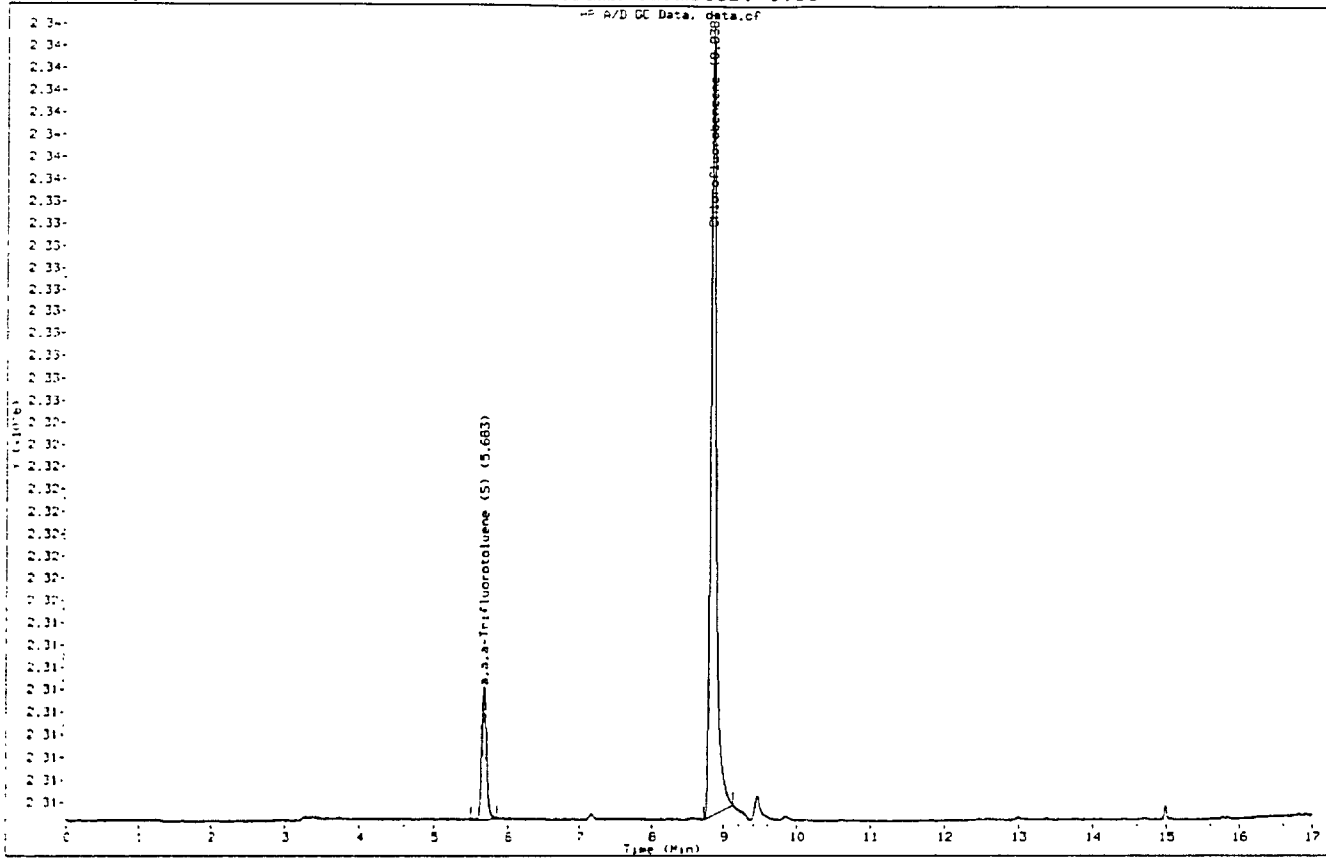
Sample Information: 1037365006

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



September 17, 2006

Scott Hunke
Coteau Environmental
728 Janes Circle Drive SW
Alexandria, MN 56308

RE: Project: KC KWIK STOP BROOMEN, MN
Pace Project No.: 1037376

Dear Scott Hunke:

Enclosed are the analytical results for sample(s) received by the laboratory on August 24, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Seth Jacobson

seth.jacobson@pacelabs.com
Project Manager

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 13

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



PROJECT NARRATIVE

Project: KC KWIK STOP BROOMEN, MN
Pace Project No.: 1037376

Method: TO-15
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: September 17, 2006

General Information:

1 sample was analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: AIR/4531

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 255792)
 - Hexachloro-1,3-butadiene
 - Tetrahydrofuran

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: AIR/4531

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 255793)
 - 1,1,2,2-Tetrachloroethane

Additional Comments:

Workorder Comments:

REPORT OF LABORATORY ANALYSIS

Page 2 of 13

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



PROJECT NARRATIVE

Project: KC KWIK STOP BROOMEN, MN
Pace Project No.: 1037376

Method: TO-15
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: September 17, 2006

Workorder Comments

All sample analyses were completed on a DB5 column 500 cc of sample was concentrated using an Entech 7000/7100 sample concentration system.

Sample Comments:

K3: The Total Hydrocarbon (THC) pattern is evenly distributed throughout the chromatogram (before and after toluene).
• 110 S WESTERN AVE (Lab ID: 1037376001)

Analyte Comments:

QC Batch: AIR/4531

E: Analyte concentration exceeded the calibration range. The reported result is estimated.
• 110 S WESTERN AVE (Lab ID: 1037376001)
• Acetone

E: Analyte concentration exceeded the calibration range. The reported result is estimated.
• DUP (Lab ID: 255793)
• Acetone

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

Page 3 of 13

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



SAMPLE SUMMARY

Project: KC KWIK STOP BROOMEN, MN
Pace Project No.: 1037376

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1037376001	110 S WESTERN AVE	Air	08/22/06 09:40	08/24/06 17:05

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



SAMPLE ANALYTE COUNT

Project: KC KWIK STOP BROOMEN, MN
Pace Project No.: 1037376

Lab ID	Sample ID	Method	Analytes Reported
1037376001	110 S WESTERN AVE	TO-15	58

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



ANALYTICAL RESULTS

Project: KC KWIK STOP BROOMEN, MN
Pace Project No.: 1037376

Sample: 110 S WESTERN AVE Lab ID: 1037376001 Collected: 08/22/06 09:40 Received: 08/24/06 17:05 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	153	ug/m3	0.69	1.43		09/01/06 21:10	67-64-1	E
Benzene	3.7	ug/m3	0.93	1.43		09/01/06 21:10	71-43-2	
Bromodichloromethane	ND	ug/m3	2.0	1.43		09/01/06 21:10	75-27-4	
Bromoform	ND	ug/m3	3.0	1.43		09/01/06 21:10	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.43		09/01/06 21:10	74-83-9	
1,3-Butadiene	ND	ug/m3	0.64	1.43		09/01/06 21:10	106-99-0	
2-Butanone (MEK)	11.4	ug/m3	0.86	1.43		09/01/06 21:10	78-93-3	
Carbon disulfide	ND	ug/m3	0.90	1.43		09/01/06 21:10	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.9	1.43		09/01/06 21:10	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.43		09/01/06 21:10	108-90-7	
Chloroethane	ND	ug/m3	0.77	1.43		09/01/06 21:10	75-00-3	
Chloroform	ND	ug/m3	1.4	1.43		09/01/06 21:10	67-66-3	
Chloromethane	1.1	ug/m3	0.60	1.43		09/01/06 21:10	74-87-3	
Cyclohexane	ND	ug/m3	0.97	1.43		09/01/06 21:10	110-82-7	
Dibromochloromethane	ND	ug/m3	2.4	1.43		09/01/06 21:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.3	1.43		09/01/06 21:10	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	1.43		09/01/06 21:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	1.43		09/01/06 21:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.7	1.43		09/01/06 21:10	106-46-7	
Dichlorodifluoromethane	3.0	ug/m3	1.4	1.43		09/01/06 21:10	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.2	1.43		09/01/06 21:10	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.2	1.43		09/01/06 21:10	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.2	1.43		09/01/06 21:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.43		09/01/06 21:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.43		09/01/06 21:10	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.43		09/01/06 21:10	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	1.43		09/01/06 21:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.3	1.43		09/01/06 21:10	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	1.43		09/01/06 21:10	76-14-2	
Ethyl acetate	ND	ug/m3	1.0	1.43		09/01/06 21:10	141-78-6	
Ethylbenzene	6.9	ug/m3	1.3	1.43		09/01/06 21:10	100-41-4	
4-Ethyltoluene	8.9	ug/m3	3.6	1.43		09/01/06 21:10	622-96-8	
n-Heptane	ND	ug/m3	1.2	1.43		09/01/06 21:10	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.1	1.43		09/01/06 21:10	87-68-3	
n-Hexane	5.4	ug/m3	1.0	1.43		09/01/06 21:10	110-54-3	
2-Hexanone	ND	ug/m3	1.2	1.43		09/01/06 21:10	591-78-6	
Methylene Chloride	25.6	ug/m3	1.0	1.43		09/01/06 21:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	2.4	ug/m3	1.2	1.43		09/01/06 21:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.0	1.43		09/01/06 21:10	1634-04-4	
Naphthalene	16.4	ug/m3	3.9	1.43		09/01/06 21:10	91-20-3	
Propylene	ND	ug/m3	0.50	1.43		09/01/06 21:10	115-07-1	
Styrene	2.8	ug/m3	1.2	1.43		09/01/06 21:10	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.0	1.43		09/01/06 21:10	79-34-5	
Tetrachloroethene	ND	ug/m3	2.0	1.43		09/01/06 21:10	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.86	1.43		09/01/06 21:10	109-99-9	
Toluene	28.2	ug/m3	1.1	1.43		09/01/06 21:10	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.4	1.43		09/01/06 21:10	120-82-1	

Date: 09/17/2006 01:00 PM

REPORT OF LABORATORY ANALYSIS

Page 6 of 13

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



ANALYTICAL RESULTS

Project: KC KWIK STOP BROOMEN, MN

Pace Project No.: 1037376

Sample: 110 S WESTERN AVE	Lab ID: 1037376001	Collected: 08/22/06 09:40	Received: 08/24/06 17:05	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

TO15 MSV AIR

Analytical Method: TO-15

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
1,1,1-Trichloroethane	ND	ug/m3	1.6	1.43		09/01/06 21:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.6	1.43		09/01/06 21:10	79-00-5	
Trichloroethene	ND	ug/m3	1.6	1.43		09/01/06 21:10	79-01-6	
Trichlorofluoromethane	1.8	ug/m3	1.6	1.43		09/01/06 21:10	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.3	1.43		09/01/06 21:10	76-13-1	
1,2,4-Trimethylbenzene	22.4	ug/m3	3.6	1.43		09/01/06 21:10	95-63-6	
1,3,5-Trimethylbenzene	6.1	ug/m3	3.6	1.43		09/01/06 21:10	108-67-8	
Vinyl acetate	ND	ug/m3	1.0	1.43		09/01/06 21:10	108-05-4	
Vinyl chloride	ND	ug/m3	0.74	1.43		09/01/06 21:10	75-01-4	
m&p-Xylene	25.9	ug/m3	2.5	1.43		09/01/06 21:10	1330-20-7	
o-Xylene	10.2	ug/m3	1.3	1.43		09/01/06 21:10	95-47-6	

QUALITY CONTROL DATA

Project: KC KWIK STOP BROOMEN, MN
Pace Project No.: 1037376

QC Batch: AIR/4531 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 1037376001

METHOD BLANK: 255791
Associated Lab Samples: 1037376001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1-Dichloroethane	ug/m3	ND	0.82	
1,1-Dichloroethene	ug/m3	ND	0.81	
1,1,1-Trichloroethane	ug/m3	ND	1.1	
1,1,2-Trichloroethane	ug/m3	ND	1.1	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	
1,2-Dichlorobenzene	ug/m3	ND	1.2	
1,2-Dichloroethane	ug/m3	ND	0.82	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	
1,2-Dichloropropane	ug/m3	ND	0.94	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	
1,3-Butadiene	ug/m3	ND	0.45	
1,3-Dichlorobenzene	ug/m3	ND	1.2	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	
1,4-Dichlorobenzene	ug/m3	ND	1.2	
2-Butanone (MEK)	ug/m3	ND	0.60	
2-Hexanone	ug/m3	ND	0.83	
4-Ethyltoluene	ug/m3	ND	2.5	
Carbon disulfide	ug/m3	ND	0.63	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	
Acetone	ug/m3	ND	0.48	
Benzene	ug/m3	ND	0.65	
Bromodichloromethane	ug/m3	ND	1.4	
Bromomethane	ug/m3	ND	0.79	
Bromoform	ug/m3	ND	2.1	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	
Carbon tetrachloride	ug/m3	ND	1.3	
Cyclohexane	ug/m3	ND	0.68	
Chlorobenzene	ug/m3	ND	0.94	
Chloroethane	ug/m3	ND	0.54	
Chloroform	ug/m3	ND	0.99	
Chloromethane	ug/m3	ND	0.42	
Dibromochloromethane	ug/m3	ND	1.7	
Dichlorodifluoromethane	ug/m3	ND	1.0	
Ethyl acetate	ug/m3	ND	0.73	
Ethylbenzene	ug/m3	ND	0.88	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	
Methylene Chloride	ug/m3	ND	0.71	
Methyl-tert-butyl ether	ug/m3	ND	0.73	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	
m&p-Xylene	ug/m3	ND	1.8	
Naphthalene	ug/m3	ND	2.7	

Date: 09/17/2006 01:00 PM

REPORT OF LABORATORY ANALYSIS

Page 8 of 13

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: KC KWIK STOP BROOMEN, MN
Pace Project No.: 1037376

METHOD BLANK: 255791

Associated Lab Samples: 1037376001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
n-Heptane	ug/m3	ND	0.83	
n-Hexane	ug/m3	ND	0.72	
o-Xylene	ug/m3	ND	0.88	
Propylene	ug/m3	ND	0.35	
Styrene	ug/m3	ND	0.87	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	
Tetrachloroethene	ug/m3	ND	1.4	
Tetrahydrofuran	ug/m3	ND	0.60	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	
Toluene	ug/m3	ND	0.77	
Trichloroethene	ug/m3	ND	1.1	
Trichlorofluoromethane	ug/m3	ND	1.1	
Vinyl acetate	ug/m3	ND	0.71	
Vinyl chloride	ug/m3	ND	0.52	

LABORATORY CONTROL SAMPLE: 255792

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/m3	43.6	51.2	117	59-136	
1,1-Dichloroethene	ug/m3	41.9	45.3	108	60-137	
1,1,1-Trichloroethane	ug/m3	58.3	51.0	88	60-134	
1,1,2-Trichloroethane	ug/m3	59.4	60.6	102	64-129	
1,1,2,2-Tetrachloroethane	ug/m3	74	80.0	108	55-141	
1,2,4-Trichlorobenzene	ug/m3	80.6	106	132	50-150	
1,2-Dichlorobenzene	ug/m3	64.8	58.0	89	60-139	
1,2-Dichloroethane	ug/m3	43.6	39.3	90	56-141	
1,2-Dibromoethane (EDB)	ug/m3	82.8	86.4	104	61-136	
1,2-Dichloropropane	ug/m3	49.4	44.2	90	57-131	
1,2,4-Trimethylbenzene	ug/m3	53	38.2	72	63-137	
1,3-Butadiene	ug/m3	24.3	22.8	94	53-140	
1,3-Dichlorobenzene	ug/m3	67.3	57.8	86	59-136	
1,3,5-Trimethylbenzene	ug/m3	52.5	38.9	74	61-134	
1,4-Dichlorobenzene	ug/m3	64.2	56.7	88	59-130	
2-Butanone (MEK)	ug/m3	32.4	25.1	78	54-133	
2-Hexanone	ug/m3	45.8	41.6	91	54-139	
4-Ethyltoluene	ug/m3	55	53.3	97	61-138	
Carbon disulfide	ug/m3	33.3	29.9	90	50-150	
Dichlorotetrafluoroethane	ug/m3	71.8	82.2	114	59-130	
Acetone	ug/m3	24.4	24.4	100	50-139	
Benzene	ug/m3	34.4	38.5	112	64-125	
Bromodichloromethane	ug/m3	70.9	77.2	109	61-131	
Bromomethane	ug/m3	40.3	41.0	102	55-135	
Bromoform	ug/m3	110	139	126	66-138	
cis-1,2-Dichloroethene	ug/m3	42.7	42.8	100	62-135	

Date: 09/17/2006 01:00 PM

REPORT OF LABORATORY ANALYSIS

Page 9 of 13

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..





QUALITY CONTROL DATA

Project: KC KWIK STOP BROOMEN, MN
Pace Project No.: 1037376

LABORATORY CONTROL SAMPLE: 255792

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/m3	48.9	40.5	83	64-133	
Carbon tetrachloride	ug/m3	67.8	62.3	92	58-135	
Cyclohexane	ug/m3	35.7	31.2	87	54-139	
Chlorobenzene	ug/m3	49.6	48.4	97	62-139	
Chloroethane	ug/m3	27.1	27.1	100	56-140	
Chloroform	ug/m3	48.7	49.7	102	50-150	
Chloromethane	ug/m3	21	21.0	100	56-144	
Dibromochloromethane	ug/m3	95.3	103	108	50-150	
Dichlorodifluoromethane	ug/m3	50.8	54.0	106	60-130	
Ethyl acetate	ug/m3	35.9	24.2	67	60-132	
Ethylbenzene	ug/m3	46.4	34.9	75	65-140	
Hexachloro-1,3-butadiene	ug/m3	115	191	166	50-150	L1
Methylene Chloride	ug/m3	37.1	43.5	117	56-138	
Methyl-tert-butyl ether	ug/m3	38.1	28.4	74	50-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	45.8	37.8	82	53-139	
m&p-Xylene	ug/m3	92.7	73.5	79	60-132	
Naphthalene	ug/m3	55.3	59.8	108	70-130	
n-Heptane	ug/m3	43.3	44.1	102	62-135	
n-Hexane	ug/m3	35.8	33.6	94	62-134	
o-Xylene	ug/m3	46.8	38.4	82	64-132	
Propylene	ug/m3	18.4	18.7	102	56-125	
Styrene	ug/m3	45.9	35.2	77	69-134	
trans-1,2-Dichloroethene	ug/m3	39.9	44.5	111	50-150	
trans-1,3-Dichloropropene	ug/m3	50.8	43.2	85	70-142	
Tetrachloroethene	ug/m3	67.6	63.6	94	60-137	
Tetrahydrofuran	ug/m3	31.5	53.8	171	52-139	L1
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	98.7	121	55-137	
Toluene	ug/m3	41	35.0	85	69-130	
Trichloroethene	ug/m3	56.8	54.5	96	60-134	
Trichlorofluoromethane	ug/m3	57.7	56.3	98	56-141	
Vinyl acetate	ug/m3	38.3	30.1	79	61-142	
Vinyl chloride	ug/m3	26.3	27.2	104	66-132	

SAMPLE DUPLICATE: 255793

Parameter	Units	1037376001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ug/m3	ND	ND	0	25	
1,1-Dichloroethene	ug/m3	ND	ND	0	25	
1,1,1-Trichloroethane	ug/m3	ND	ND	0	25	
1,1,2-Trichloroethane	ug/m3	ND	ND	0	25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	2.4	200	25	D6
1,2,4-Trichlorobenzene	ug/m3	ND	ND	0	25	
1,2-Dichlorobenzene	ug/m3	ND	ND	0	25	
1,2-Dichloroethane	ug/m3	ND	ND	0	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND	0	25	
1,2-Dichloropropane	ug/m3	ND	ND	0	25	
1,2,4-Trimethylbenzene	ug/m3	22.4	22.3	.6	25	

Date: 09/17/2006 01:00 PM

REPORT OF LABORATORY ANALYSIS

Page 10 of 13

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: KC KWIK STOP BROOMEN, MN
Pace Project No.: 1037376

SAMPLE DUPLICATE: 255793

Parameter	Units	1037376001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Butadiene	ug/m3	ND	ND	0	25	
1,3-Dichlorobenzene	ug/m3	ND	ND	0	25	
1,3,5-Trimethylbenzene	ug/m3	6.1	6.1	.2	25	
1,4-Dichlorobenzene	ug/m3	ND	ND	0	25	
2-Butanone (MEK)	ug/m3	11.4	11.0	4	25	
2-Hexanone	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	8.9	9.0	2	25	
Carbon disulfide	ug/m3	ND	ND	0	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	
Acetone	ug/m3	153	143	6	25	E
Benzene	ug/m3	3.7	3.8	1	25	
Bromodichloromethane	ug/m3	ND	ND	0	25	
Bromomethane	ug/m3	ND	ND	0	25	
Bromoform	ug/m3	ND	ND	0	25	
cis-1,2-Dichloroethene	ug/m3	ND	ND	0	25	
cis-1,3-Dichloropropene	ug/m3	ND	ND	0	25	
Carbon tetrachloride	ug/m3	ND	ND	0	25	
Cyclohexane	ug/m3	ND	ND	0	25	
Chlorobenzene	ug/m3	ND	ND	0	25	
Chloroethane	ug/m3	ND	ND	0	25	
Chloroform	ug/m3	ND	ND	0	25	
Chloromethane	ug/m3	1.1	1.1	.8	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	3.0	3.0	.3	25	
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	6.9	7.0	.7	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	25.6	25.6	.1	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	2.4	2.4	2	25	
m&p-Xylene	ug/m3	25.9	26.1	.6	25	
Naphthalene	ug/m3	16.4	16.6	1	25	
n-Heptane	ug/m3	ND	ND	0	25	
n-Hexane	ug/m3	5.4	5.3	1	25	
o-Xylene	ug/m3	10.2	10.3	.9	25	
Propylene	ug/m3	ND	ND	0	25	
Styrene	ug/m3	2.8	2.7	2	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND	0	25	
trans-1,3-Dichloropropene	ug/m3	ND	ND	0	25	
Tetrachloroethene	ug/m3	ND	ND	0	25	
Tetrahydrofuran	ug/m3	ND	ND	0	25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND	0	25	
Toluene	ug/m3	28.2	28.5	1	25	
Trichloroethene	ug/m3	ND	ND	0	25	
Trichlorofluoromethane	ug/m3	1.8	1.7	2	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

Date: 09/17/2006 01:00 PM

REPORT OF LABORATORY ANALYSIS

Page 11 of 13

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALIFIERS

Project: KC KWIK STOP BROOMEN, MN
Pace Project No.: 1037376

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.

SAMPLE QUALIFIERS

Sample: 1037376001

- [1] The Total Hydrocarbon (THC) pattern is evenly distributed throughout the chromatogram (before and after toluene).
- [1] The Total Hydrocarbon (THC) pattern is evenly distributed throughout the chromatogram (before and after toluene).

ANALYTE QUALIFIERS

- D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
- E Analyte concentration exceeded the calibration range. The reported result is estimated.
- L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KC KWIK STOP BROOMEN, MN
Pace Project No.: 1037376

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1037376001	110 S WESTERN AVE	TO-15	AIR/4531		



Pace Analytical Services
TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Coteau Environmental24-AUG-2006 00:00 Client SDG: 1037376
Lab Smp Id: 1037376001 Client Smp ID: 110 S WESTERN AVE
Operator : YA1 Sample Date: 22-AUG-2006
Sample Location: Sample Point:
Sample Matrix: AIR Date Received:24-AUG-2006 00:00
Analysis Type: VOA Level: LOW
Inj Date: 01-SEP-2006 21:10

Number TICs found: 10 CONCENTRATION UNITS:
(ug/L or ug/KG) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.536	3.84	J
2. 78-78-4	Butane, 2-methyl-	5.305	2.99	NJ
3.	Unknown	5.622	3.35	J
4. 74-97-5	Methane, bromochloro-	7.904	9.79	NJ
5. 4889-83-2	Bicyclo[3.1.1]hept-2-ene, 3	17.259	2.60	NJ
6. 556-67-2	Cyclotetrasiloxane, octamet	18.220	6.12	NJ
7. 5989-54-8	Cyclohexene, 1-methyl-4-(1-	19.827	4.39	NJ
8. 105-05-5	Benzene, 1,4-diethyl-	20.528	3.29	NJ
9. 124-19-6	Nonanal	21.508	2.86	NJ
10.	Unknown	27.630	6.63	J

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\10samba\chem\10air0.i\090106.b\24412tic.D
 Lab Smp Id: 1037376001 Client Smp ID: 110 S WESTERN AVE
 Inj Date : 01-SEP-2006 21:10
 Operator : YA1 Inst ID: 10air0.i
 Smp Info : Sample 2
 Misc Info : 4531
 Comment : Volatile Organic COMPOUNDS in Air
 Method : \\10samba\chem\10air0.i\090106.b\LOWTO15_244.m
 Meth Date : 08-Sep-2006 15:57 hgreen Quant Type: ISTD
 Cal Date : 01-SEP-2006 17:45 Cal File: 24407.D
 Als bottle: 12
 Dil Factor: 1.43000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14
 Processing Host: AIRGROUP

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.430	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 31	9.468	8998261	10.000
* 46	14.548	9848594	10.000

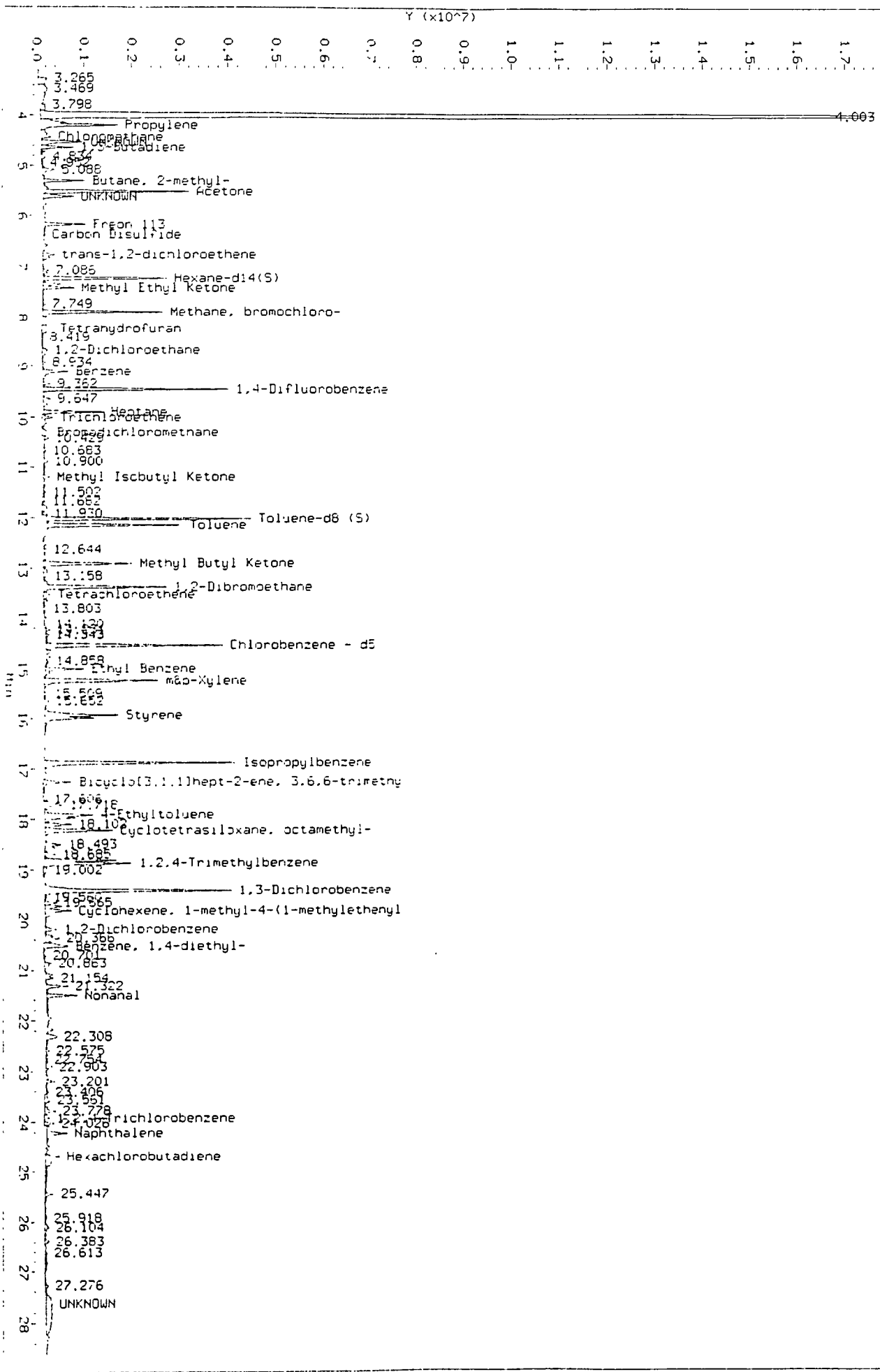
RT	CONCENTRATIONS			QUANT			
	AREA	ON COL(ppbv.	FINAL ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
4.536	2413680	2.68238503	3.64	0		0	31
Butane, 2-methyl-					CAS #: 78-78-4		
5.305	1879661	2.08891604	2.99	87	NBS75K.1	62518	31
Unknown					CAS #:		
5.622	2107893	2.34255538	3.35	0		0	31
Methane, bromochloro-					CAS #: 74-97-5		
7.904	6162293	6.84831525	9.79	97	NBS75K.1	64996	31
Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethy					CAS #: 4889-83-2		
17.259	1793147	1.82071327	2.60	91	NBS75K.1	6692	46

RT	CONCENTRATIONS				QUANT		CPND #
	AREA	ON COL	(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	
----	----	-----	-----	-----	----	-----	-----
Cyclotetrasiloxane, octamethyl-						CAS #: 556-67-2	
18.220	4218000	4	28284465	6.12	86	NBS75K.1	41966 46
Cyclohexene, 1-methyl-4-(1-methylethenyl)						CAS #: 5989-54-8	
19.827	3021558	3	06800890	4.39	96	NBS75K.1	65806 46
Benzene, 1,4-diethyl-						CAS #: 105-05-5	
20.523	2266669	2	30151492	3.29	70	NBS75K.1	65557 46
Nonanal						CAS #: 124-19-6	
21.508	1921776	2	00208892	2.66	80	NBS75K.1	66172 46
Unknown						CAS #.	
27.630	4564754	4	63492913	6.63	0		0 46

Data File: \\10samba\chem\10a1r0.1\090106.bv24412t.c.D
 Injection Date: 01-SEP-2006 21:10
 Instrument: 10a1r0.1
 Client Sample ID: 110 S WESTERN AVE

HP ChemStation MS 24412t.c.D: 5.085 to 28.616 Min

1037370001





CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of
1011182

1037376

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA Other

SITE LOCATION

GA IL IN MI MN NC
 OH SC WI OTHER

Section A Required Client Information:

Company: **COTEAN ENVIRONMENTAL**
 Address: **728 JAMES CIRCLE DR**
ALEXANDRIA, MN 56308
 Phone: **320-846-4668** Fax: **605-882-4152**
 Requested Due Date/TAT:

Section B Report To: **COTEAN**
 Copy To: **COTEAN**
 Purchase Order No.:
 Project Name: **KC KWIK STOP**
 Project Number: **BROOMEN, MN**

Section C Invoice Information:
 Attention: **SCOTT**
 Company Name: **COTEAN**
 Address:
 Pace Quote Reference:
 Pace Project Manager:
 Pace Profile #:

ITEM #	SAMPLE ID	Valid Matrix Codes	Matrix	CODE	SAMPLE TYPE	COLLECTED		# OF CONTAINERS	PRESERVATIVES	Filtered (Y/N)	Requested Analysis:	Pace Project Number	Lab I.D.
						COMPOSITE START DATE	COMPOSITE END/GRAB TIME						
1	170 S W E S T E R N A V E	DRINKING WATER	AR G	8/21/08	0935	8/22/08	0940	1	Unpreserved		VOC'S	6001	
2	CANISTER # 1204	WASTE WATER							H ₂ SO ₄				
3		WASTE WATER							HNO ₃				
4		WASTE WATER							HCl				
5		WASTE WATER							NaOH				
6		WASTE WATER							Na ₂ S ₂ O ₃				
7		WASTE WATER							Methanol				
8		WASTE WATER							Other				
9		WASTE WATER											
10		WASTE WATER											
11		WASTE WATER											
12		WASTE WATER											

Additional Comments:

Relinquished by: *Scott* Date: 8/22/08 Time: 1645
 Accepted by: *Ray Math* Date: 8/21/08 Time: 1705

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: **SCOTT HUNK**
 SIGNATURE of SAMPLER: *Scott*

Temp in °C
 Received on Ice: Y/N
 Custody Sealed Cooler: Y/N
 Samples Intact: Y/N

DATE Signed: 8/22/08



Sample Condition Upon Receipt

Client Name: Cotera Project # 1037376

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 230194010 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature Ambient Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Optional
Proj. Due Date:
Proj. Name:

Date and Initials of person examining contents: JMS 8/24/06

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No Ste. location</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>NO ID/T.me/Disc/Analysis on Sample Label</u>
-Includes date/time/ID/Analysis Matrix: <u>AR-CAN</u>		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ Field Data Required? Y / N
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: SOS Date: 8/25/06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Data File: \\10samba\chem\10air0.i\090106.b\24412.D

Page 1

Report Date: 05-Sep-2006 09:34

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\10samba\chem\10air0.i\090106.b\24412.D

Lab Smp Id: 1037376001

Inj Date : 01-SEP-2006 21:10

Operator : YA1

Inst ID: 10air0.i

Smp Info : Sample 2

Misc Info : 4531

Comment : Volatile Organic COMPOUNDS in Air

Method : \\10samba\chem\10air0.i\090106.b\LOWTO15_244.m

Meth Date : 05-Sep-2006 07:54 10air0.i Quant Type: ISTD

Cal Date : 01-SEP-2006 17:45 Cal File: 24407.D

Als bottle: 12

Dil Factor: 1.43000

Integrator: HP RTE

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10EXTRA

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
------	-------	-------------

DF 1.430 Dilution Factor

Uf 1.000 ng unit correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS

Compounds	QUANT SIG	PT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
1 Propylene	41						
2 Dichlorodifluoromethane	85	4.238	4.238	(0.448)	149600	0.42115	0.602
3 Chloromethane	50	4.405	4.411	(0.465)	37765	0.35148	0.503
4 Dichlorotetrafluoroethane	85						
5 Vinyl chloride	62						
6 1,3-Butadiene	54						
7 Bromomethane	94						
8 Chloroethane	64						
9 Acetone	43	5.516	5.528	(0.583)	4567964	44.1864	63.2(A)
10 Trichlorofluoromethane	101	5.466	5.466	(0.577)	59938	0.21628	0.309
11 1,1-Dichloroethene	61						
12 Freon 113	101						
13 Methylene chloride	49	6.173	6.179	(0.652)	615426	5.06941	7.25
14 Carbon Disulfide	76						
15 trans-1,2-dichloroethene	96						
16 Methyl Tert Butyl Ether	73						
17 1,1-Dichloroethane	63						
18 Vinyl Acetate	43						
s 19 Hexane-d14(S)	66	7.240	7.252	(0.765)	1044096	8.72927	8.73
20 Methyl Ethyl Ketone	43	7.358	7.364	(0.777)	661923	2.67068	3.82



21 n-Hexane	57	7.432 7.445 (0.785)	394157	1.05250	1.50 (M)
22 cis-1,2-Dichloroethene	96	Compound Not Detected.			
23 Ethyl Acetate	43	Compound Not Detected.			

Report Date: 05-Sep-2006 09:34

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	PT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
24 Chloroform	83							
25 Tetrahydrofuran	42							
26 1,2-Dichloroethane	62							
27 1,1,1-Trichloroethane	97							
28 Benzene	78	9.120	9.132	(0.963)	522971	0.79784	1.14	
29 Carbon tetrachloride	117							
30 Cyclohexane	56							
31 1,4-Difluorobenzene	114	9.467	9.479	(1.000)	3992727	10.0000		
32 Heptane	43							
33 1,2-Dichloropropane	63							
34 Trichloroethene	130							
35 Bromodichloromethane	83							
36 Methyl Isobutyl Ketone	43	11.204	11.191	(1.183)	108268	0.40321	0.576	
37 cis-1,3-Dichloropropene	75							
38 trans-1,3-Dichloropropene	75							
39 Toluene-d8 (S)	98	12.029	12.041	(1.271)	4110673	8.07396	8.07	
40 Toluene	91	12.153	12.165	(1.284)	2919039	5.15419	7.37	
41 1,1,2-Trichloroethane	97							
42 Methyl Butyl Ketone	43							
43 Dibromochloromethane	129							
44 1,2-Dibromoethane	107							

45	Tetrachloroethene	166	Compound Not Detected.				
46	Chlorobenzene - d5	117	14.547	14.560	(1.000)	3293473	10.0000
47	Chlorobenzene	112	Compound Not Detected.				
48	Ethyl Benzene	91	15.013	15.031	(1.032)	965874	1.10003 1.57
49	m&p-Xylene	91	15.242	15.261	(1.048)	2689966	4.10405 5.87
50	Styrene	104	15.887	15.899	(1.092)	121910	0.44686 0.639
51	Bromoform	173	Compound Not Detected.				
52	o-Xylene	91	15.986	16.005	(1.099)	1011801	1.62353 2.32
53	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.				
54	Isopropylbenzene	105	Compound Not Detected.				
55	4-Ethyltoluene	105	17.971	17.984	(1.235)	709412	1.24238 1.78(M)
56	1,3,5-Trimethylbenzene	105	18.102	18.114	(1.244)	536190	0.85690 1.22(M)
57	1,2,4-Trimethylbenzene	105	18.865	18.883	(1.297)	1862813	3.13692 4.48
58	1,3-Dichlorobenzene	146	Compound Not Detected.				
59	1,4-dichlorobenzene-d4 (S)	150	19.423	19.435	(1.335)	2740863	7.65228 7.65
60	1,4-Dichlorobenzene	146	Compound Not Detected.				
61	1,2-Dichlorobenzene	146	Compound Not Detected.				
62	1,2,4-Trichlorobenzene	180	Compound Not Detected.				
63	Naphthalene	128	24.212	24.218	(1.664)	512762	2.15121 3.08
64	Hexachlorobutadiene	225	Compound Not Detected.				

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

M - Compound response manually integrated.



Data File: \\10samba\chem\10air0.i\090106.b\24412.D

Report Date: 09/05/2006

Client ID:

Instrument: 10air0.i

Sample Information: Sample 2

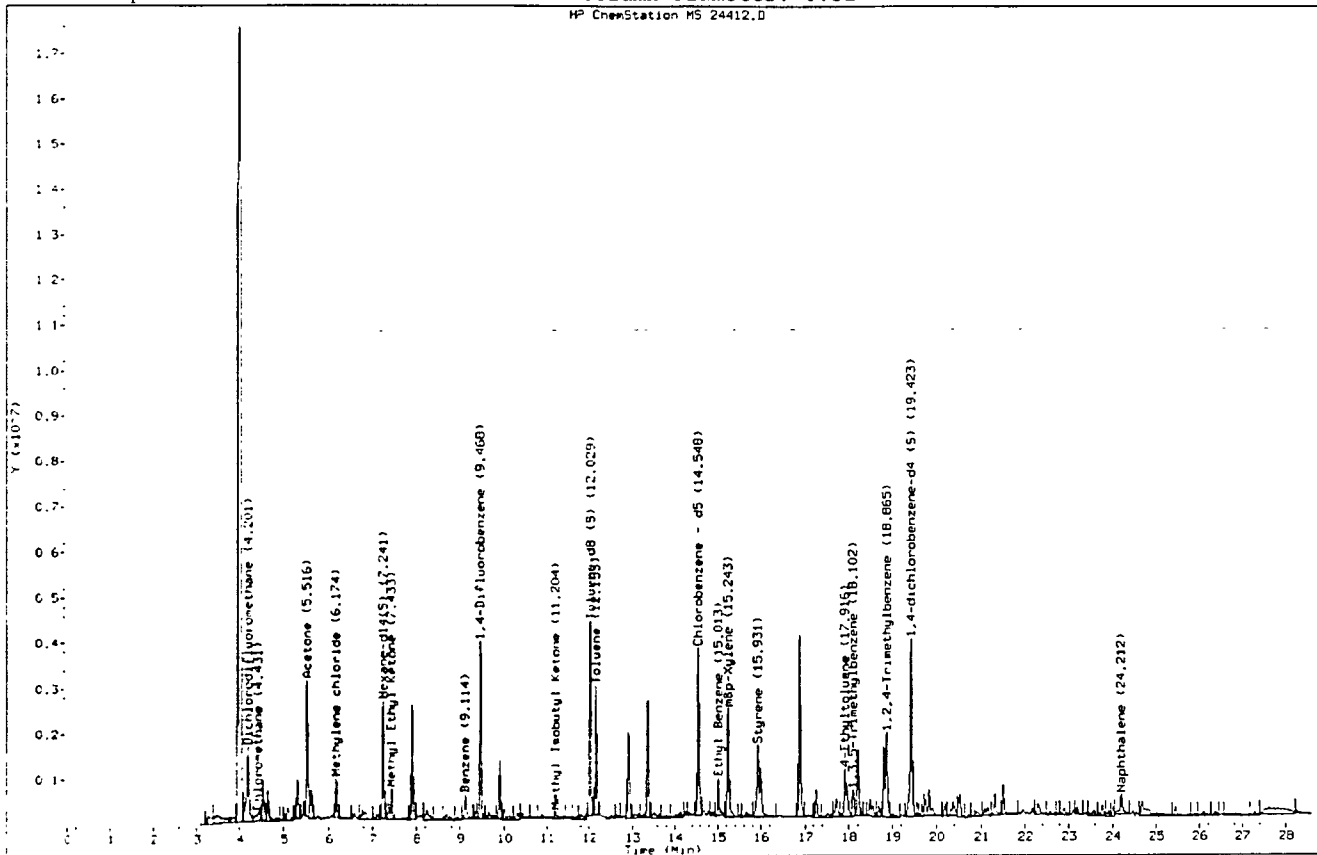
Purge Volume:

Operator: YAI

Column phase: J&W DB-5

Column diameter: 0.32

HP ChemStation MS 24412.D





Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone (612)607-1700
Fax (612)607-6444

November 30, 2006

Scott Hunke
Coteau Environmental
728 Janes Circle Drive SW
Alexandria, MN 56308

RE: Project: kc kwik stop brookten mn
Pace Project No.: 1041844

Dear Scott Hunke:

Enclosed are the analytical results for sample(s) received by the laboratory on November 10, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Seth Jacobson

seth.jacobson@pacelabs.com
Project Manager

Illinois Certification #. 200011
Iowa Certification #. 368
Minnesota Certification #. 027-053-137
Wisconsin Certification #: 999407970

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 15

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



PROJECT NARRATIVE

Project: kc kwik stop brookten mn
Pace Project No.: 1041844

Method: TO-15
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: November 30, 2006

General Information:

1 sample was analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: AIR/4859

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 287846)
 - Acetone
 - Hexachloro-1,3-butadiene
 - Methylene Chloride
 - Tetrahydrofuran

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Workorder Comments:

All sample analyses were completed on a DB5 column. 500 cc of sample was concentrated using an Entech 7000/7100 sample concentration system.

Sample Comments:

- K2: The Total Hydrocarbon (THC) pattern occurred in the second half of the chromatogram (after toluene).
 - 110.5 WESTERN AVE CAN #096 (Lab ID: 1041844001)
- K3: The Total Hydrocarbon (THC) pattern is evenly distributed throughout the chromatogram (before and after toluene).
 - DUP (Lab ID: 287847)

REPORT OF LABORATORY ANALYSIS

Page 2 of 15

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



PROJECT NARRATIVE

Project kc kwik stop brookten mn
Pace Project No.: 1041844

Method: TO-15
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: November 30, 2006

Sample Comments:

- K1. The Total Hydrocarbon (THC) pattern occurred in the first half of the chromatogram (before toluene).
 - DUP (Lab ID: 287848)

Analyte Comments

QC Batch. AIR/4859

- E: Analyte concentration exceeded the calibration range. The reported result is estimated.
 - 110.5 WESTERN AVE CAN #096 (Lab ID: 1041844001)
 - Acetone
- E: Analyte concentration exceeded the calibration range. The reported result is estimated.
 - DUP (Lab ID: 287847)
 - Dichlorotetrafluoroethane
- E: Analyte concentration exceeded the calibration range. The reported result is estimated.
 - DUP (Lab ID: 287847)
 - Dichlorodifluoromethane

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

Page 3 of 15

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



SAMPLE SUMMARY

Project: kc kwik stop brookten mn
Pace Project No.: 1041844

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1041844001	110.5 WESTERN AVE CAN #096	Air	11/08/06 09.20	11/10/06 17.53

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..





SAMPLE ANALYTE COUNT

Project: kc kwik stop brookten mn
Pace Project No.: 1041844

Lab ID	Sample ID	Method	Analytes Reported
1041844001	110.5 WESTERN AVE CAN #096	TO-15	58

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



ANALYTICAL RESULTS

Project: kc kwik stop brookten mn
Pace Project No: 1041844

Sample: 110.5 WESTERN AVE CAN Lab ID: 1041844001 Collected: 11/08/06 09:20 Received: 11/10/06 17:53 Matrix: Air
#096

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	78.1	ug/m3	0.69	1 43		11/22/06 22:38	67-64-1	E,L1
Benzene	3.0	ug/m3	0.93	1 43		11/22/06 22:38	71-43-2	
Bromodichloromethane	ND	ug/m3	2.0	1.43		11/22/06 22:38	75-27-4	
Bromoform	ND	ug/m3	3.0	1.43		11/22/06 22:38	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.43		11/22/06 22:38	74-83-9	
1,3-Butadiene	ND	ug/m3	0.64	1.43		11/22/06 22:38	106-99-0	
2-Butanone (MEK)	12.8	ug/m3	0.86	1.43		11/22/06 22:38	78-93-3	
Carbon disulfide	ND	ug/m3	0.90	1.43		11/22/06 22:38	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.9	1.43		11/22/06 22:38	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.43		11/22/06 22:38	108-90-7	
Chloroethane	ND	ug/m3	0.77	1.43		11/22/06 22:38	75-00-3	
Chloroform	1.7	ug/m3	1.4	1.43		11/22/06 22:38	67-66-3	
Chloromethane	ND	ug/m3	0.60	1.43		11/22/06 22:38	74-87-3	
Cyclohexane	ND	ug/m3	0.97	1.43		11/22/06 22:38	110-82-7	
Dibromochloromethane	ND	ug/m3	2.4	1.43		11/22/06 22:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.3	1.43		11/22/06 22:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	1.43		11/22/06 22:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	1.43		11/22/06 22:38	541-73-1	
1,4-Dichlorobenzene	9.9	ug/m3	1.7	1.43		11/22/06 22:38	106-46-7	
Dichlorodifluoromethane	2.5	ug/m3	1.4	1.43		11/22/06 22:38	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.2	1.43		11/22/06 22:38	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.2	1.43		11/22/06 22:38	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.2	1.43		11/22/06 22:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.43		11/22/06 22:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.43		11/22/06 22:38	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.43		11/22/06 22:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	1.43		11/22/06 22:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.3	1.43		11/22/06 22:38	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	1.43		11/22/06 22:38	76-14-2	
Ethyl acetate	5.3	ug/m3	1.0	1.43		11/22/06 22:38	141-78-6	
Ethylbenzene	5.4	ug/m3	1.3	1.43		11/22/06 22:38	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.6	1.43		11/22/06 22:38	622-96-8	
n-Heptane	2.9	ug/m3	1.2	1.43		11/22/06 22:38	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.1	1.43		11/22/06 22:38	87-68-3	L1
n-Hexane	2.3	ug/m3	1.0	1.43		11/22/06 22:38	110-54-3	
2-Hexanone	ND	ug/m3	1.2	1.43		11/22/06 22:38	591-78-6	
Methylene Chloride	ND	ug/m3	1.0	1.43		11/22/06 22:38	75-09-2	L1
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.2	1.43		11/22/06 22:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.0	1.43		11/22/06 22:38	1634-04-4	
Naphthalene	ND	ug/m3	3.9	1.43		11/22/06 22:38	91-20-3	
Propylene	ND	ug/m3	0.50	1.43		11/22/06 22:38	115-07-1	
Styrene	ND	ug/m3	1.2	1.43		11/22/06 22:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.0	1.43		11/22/06 22:38	79-34-5	
Tetrachloroethene	ND	ug/m3	2.0	1.43		11/22/06 22:38	127-18-4	
Tetrahydrofuran	16.3	ug/m3	0.86	1.43		11/22/06 22:38	109-99-9	L1
Toluene	46.8	ug/m3	1.1	1.43		11/22/06 22:38	108-88-3	

Date: 11/30/2006 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 6 of 15

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



ANALYTICAL RESULTS

Project kc kwik stop brookten mn
Pace Project No.: 1041844

Sample: 110.5 WESTERN AVE CAN Lab ID: 1041844001 Collected: 11/08/06 09.20 Received: 11/10/06 17.53 Matrix: Air
#096

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,2,4-Trichlorobenzene	ND	ug/m3	1.4	1.43		11/22/06 22:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.6	1.43		11/22/06 22:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.6	1.43		11/22/06 22:38	79-00-5	
Trichloroethene	ND	ug/m3	1.6	1.43		11/22/06 22:38	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	1.43		11/22/06 22:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.3	1.43		11/22/06 22:38	76-13-1	
1,2,4-Trimethylbenzene	5.2	ug/m3	3.6	1.43		11/22/06 22:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	3.6	1.43		11/22/06 22:38	108-67-8	
Vinyl acetate	ND	ug/m3	1.0	1.43		11/22/06 22:38	108-05-4	
Vinyl chloride	ND	ug/m3	0.74	1.43		11/22/06 22:38	75-01-4	
m&p-Xylene	18.6	ug/m3	2.5	1.43		11/22/06 22:38	1330-20-7	
o-Xylene	6.3	ug/m3	1.3	1.43		11/22/06 22:38	95-47-6	

QUALITY CONTROL DATA

Project: kc kwik stop brookten mn
Pace Project No.: 1041844

QC Batch AIR/4859 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples 1041844001

METHOD BLANK. 287845
Associated Lab Samples 1041844001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	
1,1,2-Trichloroethane	ug/m3	ND	1.1	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	
1,1-Dichloroethane	ug/m3	ND	0.82	
1,1-Dichloroethene	ug/m3	ND	0.81	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	
1,2-Dichlorobenzene	ug/m3	ND	1.2	
1,2-Dichloroethane	ug/m3	ND	0.82	
1,2-Dichloropropane	ug/m3	ND	0.94	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	
1,3-Butadiene	ug/m3	ND	0.45	
1,3-Dichlorobenzene	ug/m3	ND	1.2	
1,4-Dichlorobenzene	ug/m3	ND	1.2	
2-Butanone (MEK)	ug/m3	ND	0.60	
2-Hexanone	ug/m3	ND	0.83	
4-Ethyltoluene	ug/m3	ND	2.5	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	
Acetone	ug/m3	ND	0.48	L1
Benzene	ug/m3	ND	0.65	
Bromodichloromethane	ug/m3	ND	1.4	
Bromoform	ug/m3	ND	2.1	
Bromomethane	ug/m3	ND	0.79	
Carbon disulfide	ug/m3	ND	0.63	
Carbon tetrachloride	ug/m3	ND	1.3	
Chlorobenzene	ug/m3	ND	0.94	
Chloroethane	ug/m3	ND	0.54	
Chloroform	ug/m3	ND	0.99	
Chloromethane	ug/m3	ND	0.42	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	
Cyclohexane	ug/m3	ND	0.68	
Dibromochloromethane	ug/m3	ND	1.7	
Dichlorodifluoromethane	ug/m3	ND	1.0	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	
Ethyl acetate	ug/m3	ND	0.73	
Ethylbenzene	ug/m3	ND	0.88	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	L1
m&p-Xylene	ug/m3	ND	1.8	
Methyl-tert-butyl ether	ug/m3	ND	0.73	
Methylene Chloride	ug/m3	ND	0.71	L1

Date: 11/30/2006 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 8 of 15

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



QUALITY CONTROL DATA

Project: kc kwik stop brookten mn
Pace Project No.: 1041844

METHOD BLANK: 287845

Associated Lab Samples: 1041844001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
n-Heptane	ug/m3	ND	0.83	
n-Hexane	ug/m3	ND	0.72	
Naphthalene	ug/m3	ND	2.7	
o-Xylene	ug/m3	ND	0.88	
Propylene	ug/m3	ND	0.35	
Styrene	ug/m3	ND	0.87	
Tetrachloroethene	ug/m3	ND	1.4	
Tetrahydrofuran	ug/m3	ND	0.60	L1
Toluene	ug/m3	ND	0.77	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	
Trichloroethene	ug/m3	ND	1.1	
Trichlorofluoromethane	ug/m3	ND	1.1	
Vinyl acetate	ug/m3	ND	0.71	
Vinyl chloride	ug/m3	ND	0.52	

LABORATORY CONTROL SAMPLE: 287846

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	58.3	45.5	78	60-134	
1,1,1,2-Tetrachloroethane	ug/m3	74	79.7	108	55-141	
1,1,2-Trichloroethane	ug/m3	59.4	52.5	88	64-129	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	106	129	55-137	
1,1-Dichloroethane	ug/m3	43.6	40.5	93	59-136	
1,1-Dichloroethene	ug/m3	41.9	45.4	108	60-137	
1,2,4-Trichlorobenzene	ug/m3	80.6	96.0	119	50-150	
1,2,4-Trimethylbenzene	ug/m3	53	48.5	92	63-137	
1,2-Dibromoethane (EDB)	ug/m3	82.8	70.0	85	61-136	
1,2-Dichlorobenzene	ug/m3	64.8	55.3	85	60-139	
1,2-Dichloroethane	ug/m3	43.6	34.0	78	56-141	
1,2-Dichloropropane	ug/m3	49.4	37.6	76	57-131	
1,3,5-Trimethylbenzene	ug/m3	52.5	46.3	88	61-134	
1,3-Butadiene	ug/m3	24.3	19.0	78	53-140	
1,3-Dichlorobenzene	ug/m3	67.3	54.6	81	59-136	
1,4-Dichlorobenzene	ug/m3	64.2	55.8	87	59-130	
2-Butanone (MEK)	ug/m3	32.4	32.3	100	54-133	
2-Hexanone	ug/m3	45.8	53.7	117	54-139	
4-Ethyltoluene	ug/m3	55	59.0	107	61-138	
4-Methyl-2-pentanone (MIBK)	ug/m3	45.8	50.4	110	53-139	
Acetone	ug/m3	24.4	48.1	197	50-139	L1
Benzene	ug/m3	34.4	30.3	88	64-125	
Bromodichloromethane	ug/m3	70.9	63.6	90	61-131	
Bromoform	ug/m3	110	113	102	66-138	
Bromomethane	ug/m3	40.3	32.8	82	55-135	
Carbon disulfide	ug/m3	33.3	21.9	66	50-150	

Date: 11/30/2006 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 9 of 15

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: kc kwik stop brookten mn
Pace Project No.: 1041844

LABORATORY CONTROL SAMPLE: 287846

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/m3	67.8	53.0	78	58-135	
Chlorobenzene	ug/m3	49.6	39.2	79	62-139	
Chloroethane	ug/m3	27.1	21.9	81	56-140	
Chloroform	ug/m3	48.7	39.7	82	50-150	
Chloromethane	ug/m3	21	16.3	77	56-144	
cis-1,2-Dichloroethene	ug/m3	42.7	34.9	82	62-135	
cis-1,3-Dichloropropene	ug/m3	48.9	33.4	68	64-133	
Cyclohexane	ug/m3	35.7	26.1	73	54-139	
Dibromochloromethane	ug/m3	95.3	83.2	87	50-150	
Dichlorodifluoromethane	ug/m3	50.8	43.8	86	60-130	
Dichlorotetrafluoroethane	ug/m3	71.8	67.1	93	59-130	
Ethyl acetate	ug/m3	35.9	30.2	84	60-132	
Ethylbenzene	ug/m3	46.4	37.1	80	65-140	
Hexachloro-1,3-butadiene	ug/m3	115	182	159	50-150 L1	
m&p-Xylene	ug/m3	92.7	80.1	86	60-132	
Methyl-tert-butyl ether	ug/m3	38.1	34.4	90	50-150	
Methylene Chloride	ug/m3	37.1	69.2	187	56-138 L1	
n-Heptane	ug/m3	43.3	38.5	89	62-135	
n-Hexane	ug/m3	35.8	38.0	106	62-134	
Naphthalene	ug/m3	55.3	62.4	113	70-130	
o-Xylene	ug/m3	46.8	41.5	89	64-132	
Propylene	ug/m3	18.4	13.7	75	56-125	
Styrene	ug/m3	45.9	36.9	80	69-134	
Tetrachloroethene	ug/m3	67.6	56.5	84	60-137	
Tetrahydrofuran	ug/m3	31.5	57.2	182	52-139 L1	
Toluene	ug/m3	41	42.1	103	69-130	
trans-1,2-Dichloroethene	ug/m3	39.9	33.9	85	50-150	
trans-1,3-Dichloropropene	ug/m3	50.8	40.4	80	70-142	
Trichloroethene	ug/m3	56.8	43.1	76	60-134	
Trichlorofluoromethane	ug/m3	57.7	50.7	88	56-141	
Vinyl acetate	ug/m3	38.3	32.6	85	61-142	
Vinyl chloride	ug/m3	26.3	20.6	79	66-132	

SAMPLE DUPLICATE: 287847

Parameter	Units	1041867001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND	0	25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND	0	25	
1,1,2-Trichloroethane	ug/m3	ND	ND	0	25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND	0	25	
1,1-Dichloroethane	ug/m3	ND	ND	0	25	
1,1-Dichloroethene	ug/m3	ND	ND	0	25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND	0	25	
1,2,4-Trimethylbenzene	ug/m3	22.3	22.2	.4	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND	0	25	
1,2-Dichlorobenzene	ug/m3	ND	ND	0	25	
1,2-Dichloroethane	ug/m3	ND	ND	0	25	

Date: 11/30/2006 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 10 of 15

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: kc kwik stop brookten mn
Pace Project No.: 1041844

SAMPLE DUPLICATE: 287847

Parameter	Units	1041867001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloropropane	ug/m3	ND	ND	0	25	
1,3,5-Trimethylbenzene	ug/m3	5.4	5.6	4	25	
1,3-Butadiene	ug/m3	ND	ND	0	25	
1,3-Dichlorobenzene	ug/m3	ND	ND	0	25	
1,4-Dichlorobenzene	ug/m3	ND	ND	0	25	
2-Butanone (MEK)	ug/m3	7.7	8.5	9	25	
2-Hexanone	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	7.4	8.1	8	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	44.3	48.4	9	25	L1
Benzene	ug/m3	23.2	23.9	3	25	
Bromodichloromethane	ug/m3	ND	ND	0	25	
Bromoform	ug/m3	ND	ND	0	25	
Bromomethane	ug/m3	ND	ND	0	25	
Carbon disulfide	ug/m3	ND	ND	0	25	
Carbon tetrachloride	ug/m3	ND	ND	0	25	
Chlorobenzene	ug/m3	ND	ND	0	25	
Chloroethane	ug/m3	ND	ND	0	25	
Chloroform	ug/m3	2.5	2.4	2	25	
Chloromethane	ug/m3	ND	ND	0	25	
cis-1,2-Dichloroethene	ug/m3	ND	ND	0	25	
cis-1,3-Dichloropropene	ug/m3	ND	ND	0	25	
Cyclohexane	ug/m3	4.9	5.5	11	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3		187			E
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	E
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	6.2	6.4	4	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	L1
m&p-Xylene	ug/m3	30.6	31.3	2	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	ND	ND	0	25	L1
n-Heptane	ug/m3	6.6	7.3	10	25	
n-Hexane	ug/m3	49.8	50.9	2	25	
Naphthalene	ug/m3	6.8	6.0	12	25	
o-Xylene	ug/m3	11.1	11.4	3	25	
Propylene	ug/m3	ND	ND	0	25	
Styrene	ug/m3	ND	ND	0	25	
Tetrachloroethene	ug/m3	ND	ND	0	25	
Tetrahydrofuran	ug/m3	ND	ND	0	25	L1
Toluene	ug/m3	33.9	35.0	3	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND	0	25	
trans-1,3-Dichloropropene	ug/m3	ND	ND	0	25	
Trichloroethene	ug/m3	ND	ND	0	25	
Trichlorofluoromethane	ug/m3	2.2	2.1	7	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

Date: 11/30/2006 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 11 of 15

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: kc kwk stop brookten mn
Pace Project No.: 1041844

SAMPLE DUPLICATE. 287848

Parameter	Units	1041789001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND	0	25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND	0	25	
1,1,2-Trichloroethane	ug/m3	ND	ND	0	25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND	0	25	
1,1-Dichloroethane	ug/m3	ND	ND	0	25	
1,1-Dichloroethane	ug/m3	ND	ND	0	25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND	0	25	
1,2,4-Trimethylbenzene	ug/m3	3.8	4.2	10	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND	0	25	
1,2-Dichlorobenzene	ug/m3	ND	ND	0	25	
1,2-Dichloroethane	ug/m3	ND	ND	0	25	
1,2-Dichloropropane	ug/m3	ND	ND	0	25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND	0	25	
1,3-Butadiene	ug/m3	ND	ND	0	25	
1,3-Dichlorobenzene	ug/m3	ND	ND	0	25	
1,4-Dichlorobenzene	ug/m3	ND	ND	0	25	
2-Butanone (MEK)	ug/m3	ND	ND	0	25	
2-Hexanone	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	ND	1.8J	15	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	20.4	23.5	14	25	L1
Benzene	ug/m3	2.0	2.1	5	25	
Bromodichloromethane	ug/m3	ND	ND	0	25	
Bromoform	ug/m3	ND	ND	0	25	
Bromomethane	ug/m3	ND	ND	0	25	
Carbon disulfide	ug/m3	ND	ND	0	25	
Carbon tetrachloride	ug/m3	ND	ND	0	25	
Chlorobenzene	ug/m3	ND	ND	0	25	
Chloroethane	ug/m3	ND	ND	0	25	
Chloroform	ug/m3	ND	ND	0	25	
Chloromethane	ug/m3	1.2	1.3	10	25	
cis-1,2-Dichloroethane	ug/m3	ND	ND	0	25	
cis-1,3-Dichloropropene	ug/m3	ND	ND	0	25	
Cyclohexane	ug/m3	ND	ND	0	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	2.4	2.3	4	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	ND	ND	0	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	L1
m&p-Xylene	ug/m3	ND	ND	0	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	1.0	1.2	16	25	L1
n-Heptane	ug/m3	1.3	1.2	2	25	
n-Hexane	ug/m3	2.7	2.9	5	25	
Naphthalene	ug/m3	ND	ND	0	25	
o-Xylene	ug/m3	ND	ND	0	25	
Propylene	ug/m3	ND	ND	0	25	

Date: 11/30/2006 04:57 PM

REPORT OF LABORATORY ANALYSIS

Page 12 of 15

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA

Project: kc kwik stop brookten mn
Pace Project No.. 1041844

SAMPLE DUPLICATE. 287848

Parameter	Units	1041789001 Result	Dup Result	RPD	Max RPD	Qualifiers
Styrene	ug/m3	ND	ND	0	25	
Tetrachloroethene	ug/m3	ND	ND	0	25	
Tetrahydrofuran	ug/m3	ND	ND	0	25	L1
Toluene	ug/m3	ND	1.1	7	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND	0	25	
trans-1,3-Dichloropropene	ug/m3	ND	ND	0	25	
Trichloroethene	ug/m3	ND	ND	0	25	
Trichlorofluoromethane	ug/m3	1.5	1.6	10	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

QUALIFIERS

Project: kc kwik stop brookten mn
Pace Project No.: 1041844

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL - Adjusted Method Detection Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.

SAMPLE QUALIFIERS

Sample: 1041844001

[1] The Total Hydrocarbon (THC) pattern occurred in the second half of the chromatogram (after toluene).

Sample: 287847

[1] The Total Hydrocarbon (THC) pattern is evenly distributed throughout the chromatogram (before and after toluene).
[2] Analysis occurred beyond the recommended MPCA Guidance Document 4-01a 14 day holding time. Analysis occurred within 30 days of collection, the EPA method TO-15 recommended holding time.

Sample: 287848

[1] The Total Hydrocarbon (THC) pattern occurred in the first half of the chromatogram (before toluene)

ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.
L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

REPORT OF LABORATORY ANALYSIS

Page 14 of 15

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: kc kwik stop brookten mn
Pace Project No.: 1041844

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1041844001	110.5 WESTERN AVE CAN #096	TO-15	AIR/4859		

Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Sample 3
Lab Smp Id: 1041844001
Operator : LCW
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 22-NOV-2006 22:38

Client SDG: 102205
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/KG) ppbv

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 106-97-8	Butane	4.621	15.2	NJ
2.	Unknown	5.113	8.65	J
3. 67-63-0	Isopropyl Alcohol	5.583	6.42	NJ
4. 565-75-3	Pentane, 2,3,4-trimethyl-	11.515	12.9	NJ
5. 560-21-4	Pentane, 2,3,3-trimethyl-	11.708	20.2	NJ
6.	Unknown	19.807	4.13	J
7.	Unknown	20.331	3.69	J
8.	Unknown	20.434	4.62	J
9.	Unknown	20.839	3.20	J
10.	Unknown	23.016	2.89	J

Data File: \\192.168.10.12\chem\10air7.i\112206.b\32621tic.D
 Report Date: 05-Dec-2006 12:23

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\192.168.10.12\chem\10air7.i\112206.b\32621tic.D
 Lab Smp Id: 1041844001
 Inj Date : 22-NOV-2006 22:38
 Operator : LCW
 Smp Info : Sample 3
 Misc Info : 4859
 Comment : Volatile Organic COMPOUNDS in Air
 Method : \\192.168.10.12\chem\10air7.i\112206.b\LOWTO15_326.m
 Meth Date : 04-Dec-2006 12:34 lweinkauf Quant Type: ISTD
 Cal Date : 22-NOV-2006 11:27 Cal File: 32607.D
 Als bottle: 21
 Dil Factor: 1.43000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: AIRGROUP

Inst ID: 10air7.i

Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.430	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 31	9.415	1981823	10.000
* 46	14.483	2281651	10.000

RT	AREA	CONCENTRATIONS			QUANT		
		ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Butane					CAS #: 106-97-8		
4.621	2107799	10.6356565	15.2	72	NBS75K.1	62336	31
Unknown					CAS #:		
5.113	1198245	6.04617636	8.65	0		0	31
Isopropyl Alcohol					CAS #: 67-63-0		
5.583	890548	4.49357839	6.42	80	NBS75K.1	62359	31
Pentane, 2,3,4-trimethyl-					CAS #: 565-75-3		
11.515	1789444	9.02928326	12.9	90	NBS75K.1	64229	31
Pentane, 2,3,3-trimethyl-					CAS #: 560-21-4		
11.708	2805866	14.1580006	20.2	90	NBS75K.1	3088	31

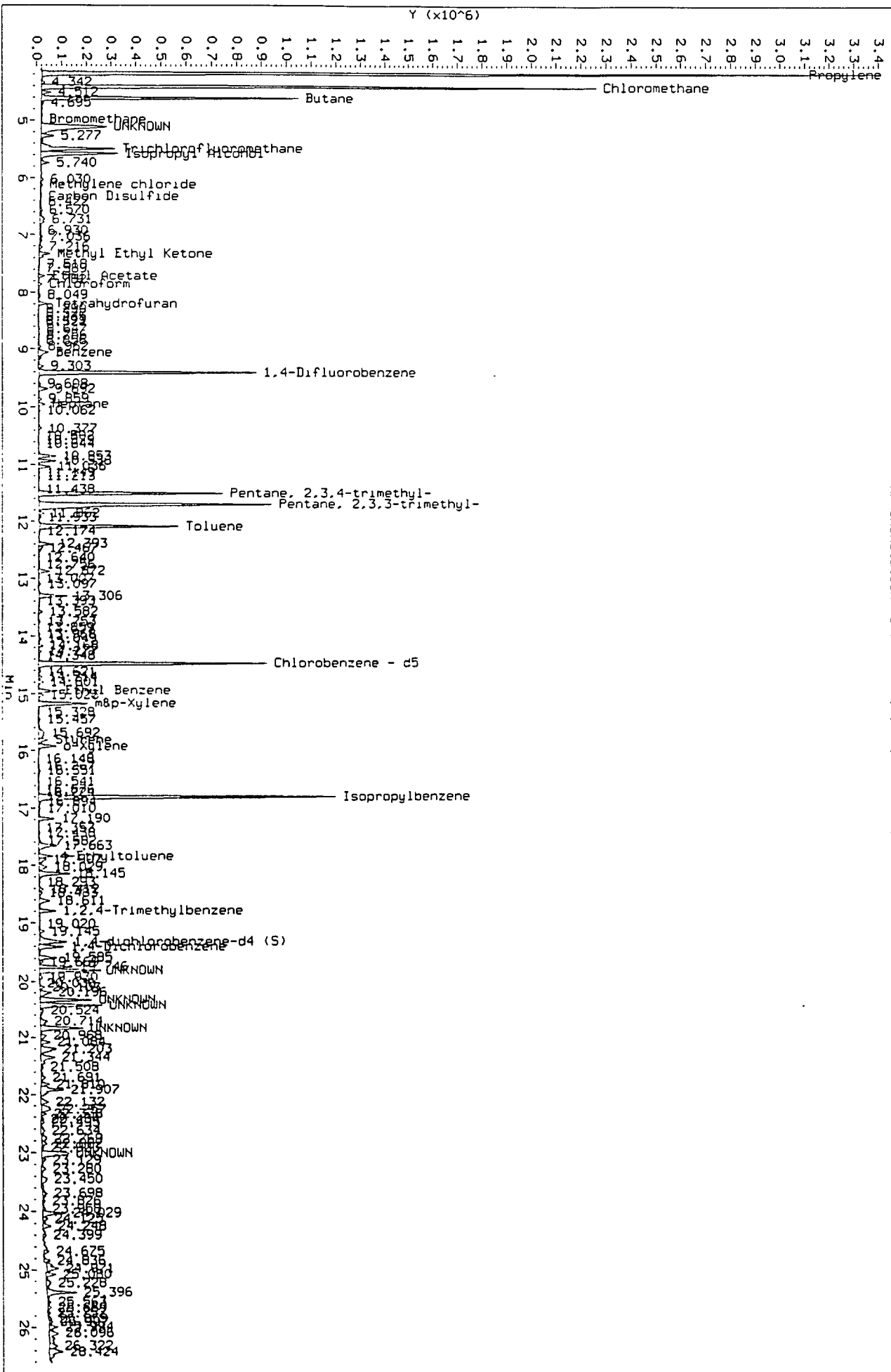
Data File: \\192.168.10.12\chem\10air7.i\112206.b\32621tic.D
Report Date: 05-Dec-2006 12:23

RT	CONCENTRATIONS				QUANT		CPND #
	AREA	ON-COL(ppbv)	FINAL(ppbv)	QJAL	LIBRARY	LIB ENTRY	
====	====	=====	=====	====	=====	=====	=====
Unknown					CAS #:		
19.807	659275	2.88946552	4.13	0		0	46
Unknown					CAS #:		
20.331	589308	2.58281177	3.69	0		0	46
Unknown					CAS #:		
20.434	736363	3.22732594	4.62	0		0	46
Unknown					CAS #:		
20.839	511481	2.24171316	3.20	0		0	46
Unknown					CAS #:		
23.016	460527	2.01839421	2.89	0		0	46

Data File: \\192.168.10.12\chem\10air7.1\112206.b\32621t1c.d
Injection Date: 22-NOV-2006 22:38
Instrument: 10air7.1
Client Sample ID:

HP ChemStation MS 32621t1c.D: 4.084 to 26.617 Min

1041844601



Section A: Required Client Information: Company: **COTEAU SUIVEONMENTAL**
 Address: **728 STAKES CIRCLE DR ALEXANDRIA, MN 56308**
 Phone: **846-4668** Fax: **882-4152**
 Requested Due Date/TAT: **11/10/06**

Section B: Required Project Information: Report To: **COTEAU**
 Copy To: **COTEAU**
 Project Name: **KE KUIE STDP**
 Project Number: **R2007EN, MN**
 Purchase Order No.: _____
 Attention: **SCOTT**
 Company Name: **COTEAU**
 Address: _____
 Pace Quote Reference: _____
 Pace Project Manager: _____
 Pace Profile #: _____

Section C: Regulatory Agency: NPDES GROUND WATER DRINKING WATER
 UST RCRA Other _____
 SITE LOCATION: GAA IED INJ MI MN NC
 OH SC WI OTHER _____

ITEM #	Section D Required Client Information	Valid Matrix Codes	CODE	MATRIX CODE	SAMPLE TYPE G-GRAB C-COMP	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Requested Analysis: 15	Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project Number	Lab ID
						COMPOSITE START DATE	COMPOSITE END/GRAB DATE								
1	11/10/06	WESTER	AVENUE	G	G	11/10/06	0920	11/8/06	0920	1					
2	CANISTER # 0920														
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

Additional Comments: _____
 Relinquished by / Affiliation: **Scott** DATE: **11/10/06** TIME: **1100**
 Accepted by / Affiliation: **[Signature]** DATE: **11/10/06** TIME: **1553**
 Sample Condition: Received on Ice: Custody Sealed/Cooler: Samples Intact:

PRINT Name of SAMPLER: **SCOTT HUNKLE**
 SIGNATURE OF SAMPLER: **[Signature]**
 DATE Signed (MM/DD/YY): **11/10/06**
 Temp in °C: _____
 Received on Ice: Custody Sealed/Cooler: Samples Intact:



Sample Condition Upon Receipt

Client Name: Coteau Project # 1041844

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 230194010 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature Ambient Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Comments:

Optional
Proj. Due Date:
Proj. Name:

Date and initials of person examining contents: CL 11-10-06

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>Air</u>		
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: _____ Field Data Required? Y / N
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: SAS Date: 11/13/06

Data File: \\192.168.10.12\chem\10air7.i\1122206.b\32621.D

Report Date: 27-Nov-2006 09:58

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\192.168.10.12\chem\10air7.i\1122206.b\32621.D

Lab Smp Id: 1041844001

Inj Date : 22-NOV-2006 22:38

Operator : LCW

Inst ID: 10air7.i

Smp Info : Sample 3

Misc Info :

Comment : Volatile Organic COMPOUNDS in Air

Method : \\192.168.10.12\chem\10air7.i\1122206.b\LOWTO15_326.m

Meth Date : 22-Nov-2006 15:54 lweinkauf Quant Type: ISTD

Cal Date : 22-NOV-2006 11:27

Cal File: 32607.D

Als bottle: 21

Dil Factor: 1.43000

Integrator: HP RTE

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10VOL1

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
------	-------	-------------

DF 1.430 Dilution Factor

Uf 1.000 ng unit correction factor

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)
-----	----	-----	-----	-----	-----	-----	-----
1 Propylene	41				Compound Not Detected.		
2 Dichlorodifluoromethane	85	4.213	4.219	(0.447)	17529	0.34311	0.491 (M)
3 Chloromethane	50				Compound Not Detected.		
4 Dichlorotetrafluoroethane	85				Compound Not Detected.		
5 Vinyl chloride	62				Compound Not Detected.		
6 1,3-Butadiene	54				Compound Not Detected.		
7 Bromomethane	94				Compound Not Detected.		
8 Chloroethane	64				Compound Not Detected.		
9 Trichlorofluoromethane	101				Compound Not Detected.		
10 Acetone	43	5.499	5.490	(0.584)	440882	22.6149	32.3 (A)
11 1,1-Dichloroethene	61				Compound Not Detected.		
12 Freon 113	101				Compound Not Detected.		
13 Methylene chloride	49				Compound Not Detected.		
14 Carbon Disulfide	76				Compound Not Detected.		
15 trans-1,2-dichloroethene	96				Compound Not Detected.		
16 Methyl Tert Butyl Ether	73				Compound Not Detected.		
17 1,1-Dichloroethane	63				Compound Not Detected.		
18 Vinyl Acetate	43				Compound Not Detected.		
\$ 19 Hexane-d14(S)	66				Compound Not Detected.		
20 Methyl Ethyl Ketone	43	7.331	7.316	(0.779)	63393	2.98813	4.27 (M)

21 n-Hexane	57	7.383	7.390 (0.784)	10477	0.44231	0.632 (M)
22 cis-1,2-Dichloroethene	96	Compound Not Detected.				
23 Ethyl Acetate	43	7.714	7.708 (0.819)	30279	1.00503	1.44 (M)

Data File: \\192.168.10.12\chem\10air7.i\1122206.b\32621.D

Report Date: 27-Nov-2006 09:58

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
24 Chloroform	83		7.559	7.863	(0.835)	11485	0.23770	0.340 (M)	
25 Tetrahydrofuran	42		8.196	8.183	(0.871)	20227	3.80357	5.44 (M)	
26 1,1,1-Trichloroethane	97		Compound Not Detected.						
27 1,2-Dichloroethane	62		Compound Not Detected.						
28 Benzene	78		9.064	9.068	(0.963)	31615	0.64418	0.921	
29 Carbon tetrachloride	117		Compound Not Detected.						
30 Cyclohexane	56		Compound Not Detected.						
31 1,4-Difluorobenzene	114		9.415	9.416	(1.000)	905912	10.0000		
32 Heptane	43		9.955	9.956	(1.057)	12013	0.47951	0.686	
33 1,2-Dichloropropane	63		Compound Not Detected.						
34 Trichloroethene	130		Compound Not Detected.						
35 Bromodichloromethane	83		Compound Not Detected.						
36 Methyl Isobutyl Ketone	43		Compound Not Detected.						
37 cis-1,3-Dichloropropene	75		Compound Not Detected.						
38 trans-1,3-Dichloropropene	75		Compound Not Detected.						
39 Toluene-d8 (S)	98		Compound Not Detected.						
40 Toluene	91		12.090	12.094	(1.284)	540985	8.53907	12.2	
41 1,1,2-Trichloroethane	97		Compound Not Detected.						
42 Methyl Butyl Ketone	43		Compound Not Detected.						
43 Dibromochloromethane	129		Compound Not Detected.						
44 1,2-Dibromoethane	107		Compound Not Detected.						

45	Tetrachloroethene	166	Compound Not Detected.			
* 46	Chlorobenzene - d5	117	14.482	14.486 (1.000)	798210	10.0000
47	Chlorobenzene	112	Compound Not Detected.			
48	Ethyl Benzene	91	14.945	14.952 (1.032)	76450	0.85694 1.22
49	m,p-Xylene	91	15.170	15.177 (1.048)	193793	2.94039 4.20
50	Bromoform	173	Compound Not Detected.			
51	Styrene	104	Compound Not Detected.			
52	o-Xylene	91	15.926	15.923 (1.100)	64704	0.99453 1.42
53	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.			
54	Isopropylbenzene	105	Compound Not Detected.			
55	4-Ethyltoluene	105	17.937	17.901 (1.236)	21572	0.30326 0.434 (M)
56	1,3,5-Trimethylbenzene	105	18.029	18.033 (1.245)	17015	0.22199 0.317 (M)
57	1,2,4-Trimethylbenzene	105	18.791	18.791 (1.297)	53389	0.72695 1.04
58	1,3-Dichlorobenzene	146	Compound Not Detected.			
5 59	1,4-dichlorobenzene-d4 (S)	150	19.353	19.351 (1.336)	2721	17.9483 17.9 (AQR)
60	1,4-Dichlorobenzene	146	19.402	19.406 (1.340)	64859	1.13237 1.62
61	1,2-Dichlorobenzene	146	Compound Not Detected.			
62	1,2,4-Trichlorobenzene	180	Compound Not Detected.			
63	Naphthalene	128	Compound Not Detected.			
64	Hexachlorobutadiene	225	Compound Not Detected.			

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10air7.i\1122206.b\32621.D

Report Date: 11/27/2006

Client ID:

Instrument: 10air7.i

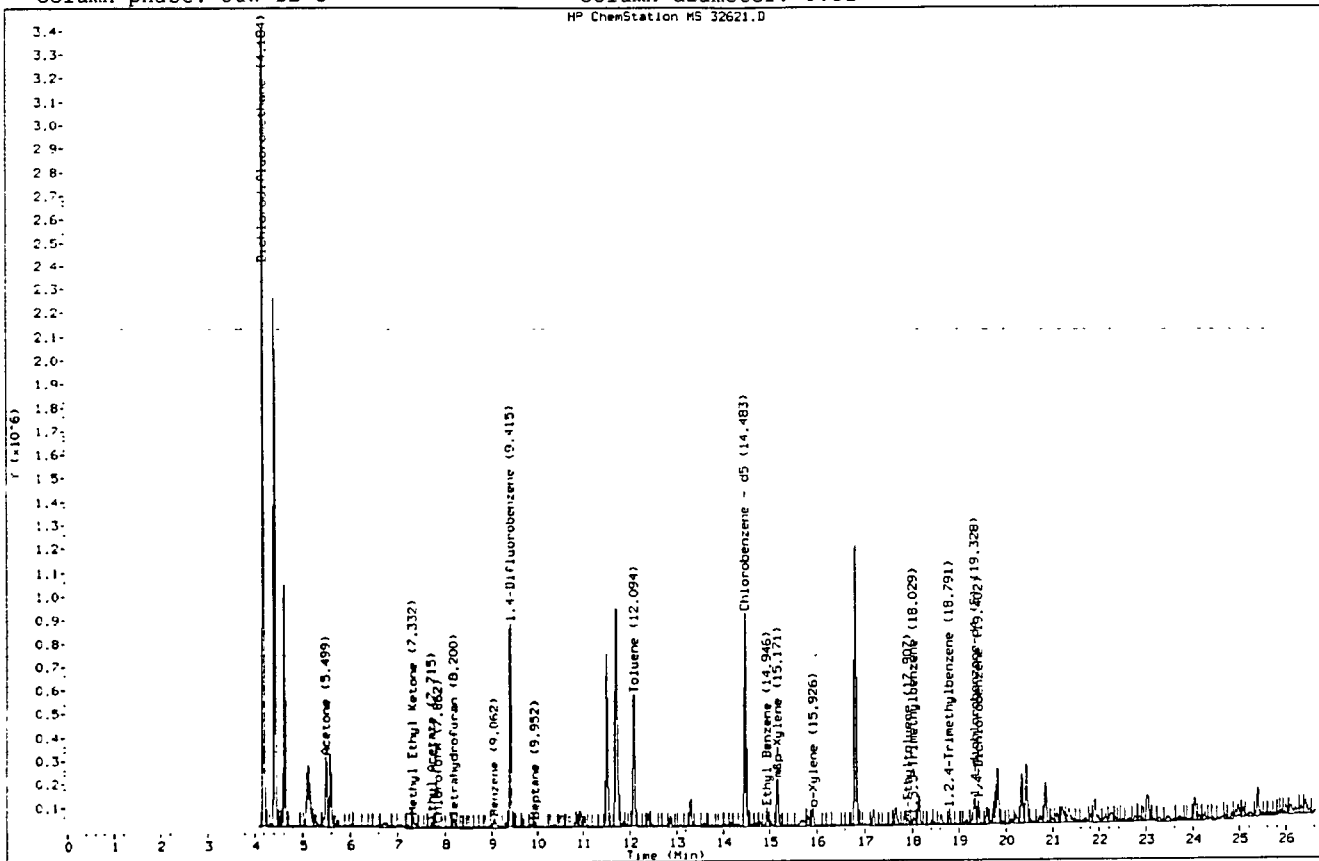
Sample Information: Sample 3

Purge Volume:

Operator: LCW

Column phase: J&W DB-5

Column diameter: 0.32



November 16, 2006

Scott Hunke
Coteau Environmental
728 Janes Circle Drive SW
Alexandria, MN 56308

RE: Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1041842

Dear Scott Hunke:

Enclosed are the analytical results for sample(s) received by the laboratory on November 10, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,


Paul Kirchberg

paul.kirchberg@pacelabs.com
Project Manager

Illinois Certification #. 200011
Iowa Certification #. 368
Minnesota Certification # 027-053-137
Wisconsin Certification #. 999407970

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 7

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



SAMPLE SUMMARY

Project: KC KWIK STOP BROOTEN MN
Pace Project No 1041842

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1041842001	MW-06	Water	11/07/06 12.13	11/10/06 17.53
1041842002	MW-04	Water	11/07/06 13.02	11/10/06 17.53
1041842003	MW-03	Water	11/07/06 13.52	11/10/06 17.53
1041842004	MW-05	Water	11/07/06 14.55	11/10/06 17.53
1041842005	MW-07	Water	11/07/06 15.05	11/10/06 17.53
1041842006	TRIP BLANK	Water	11/07/06 00.00	11/10/06 17.53

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc



SAMPLE ANALYTE COUNT

Project: KC KWIK STOP BROOTEN MN
Pace Project No 1041842

Lab ID	Sample ID	Method	Analytes Reported
1041842001	MW-06	TPH WI GRO/PVOC 8021	6
1041842002	MW-04	TPH WI GRO/PVOC 8021	6
1041842003	MW-03	TPH WI GRO/PVOC 8021	6
1041842004	MW-05	TPH WI GRO/PVOC 8021	6
1041842005	MW-07	TPH WI GRO/PVOC 8021	6
1041842006	TRIP BLANK	TPH WI GRO/PVOC 8021	6

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc



ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN MN
Pace Project No.: 1041842

Sample: MW-06		Lab ID: 1041842001	Collected: 11/07/06 12 13	Received: 11/10/06 17 53	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual	
WIGRO GCV		Analytical Method TPH WI GRO/PVOC 8021							
Benzene	ND	ppb	10	1		11/15/06 15 30	71-43-2		
Ethylbenzene	ND	ppb	10	1		11/15/06 15 30	100-41-4		
Gasoline Range Organics	ND	ppb	100	1		11/15/06 15 30			
Toluene	ND	ppb	10	1		11/15/06 15 30	108-88-3		
Xylene (Total)	ND	ppb	30	1		11/15/06 15 30	1330-20-7		
a.a.a-Trifluorotoluene (S)	101	%	80-141	1		11/15/06 15 30	98-08-8		

Sample: MW-04		Lab ID: 1041842002	Collected: 11/07/06 13.02	Received: 11/10/06 17.53	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
WIGRO GCV		Analytical Method TPH WI GRO/PVOC 8021							
Benzene	ND	ppb	1.0	1		11/15/06 15 54	71-43-2		
Ethylbenzene	1.8	ppb	1.0	1		11/15/06 15 54	100-41-4		
Gasoline Range Organics	324	ppb	100	1		11/15/06 15 54			
Toluene	2.5	ppb	1.0	1		11/15/06 15 54	108-88-3		
Xylene (Total)	ND	ppb	3.0	1		11/15/06 15 54	1330-20-7		
a.a a-Trifluorotoluene (S)	108	%	80-141	1		11/15/06 15 54	98-08-8		

Sample: MW-03		Lab ID: 1041842003	Collected: 11/07/06 13.52	Received: 11/10/06 17.53	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021							
Benzene	2.2	ppb	1.0	1		11/15/06 16:18	71-43-2		
Ethylbenzene	60.3	ppb	1.0	1		11/15/06 16:18	100-41-4		
Gasoline Range Organics	396	ppb	100	1		11/15/06 16:18			
Toluene	3.5	ppb	1.0	1		11/15/06 16:18	108-88-3		
Xylene (Total)	84.0	ppb	3.0	1		11/15/06 16.18	1330-20-7		
a.a.a-Trifluorotoluene (S)	92	%	80-141	1		11/15/06 16.18	98-08-8		

Sample: MW-05		Lab ID: 1041842004	Collected: 11/07/06 14.55	Received: 11/10/06 17:53	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021							
Benzene	1090	ppb	50.0	50		11/15/06 19 51	71-43-2		
Ethylbenzene	1450	ppb	50.0	50		11/15/06 19:51	100-41-4		
Gasoline Range Organics	32200	ppb	5000	50		11/15/06 19 51			
Toluene	12500	ppb	50.0	50		11/15/06 19 51	108-88-3		
Xylene (Total)	6450	ppb	150	50		11/15/06 19 51	1330-20-7		
a.a.a-Trifluorotoluene (S)	95	%	80-141	50		11/15/06 19 51	98-08-8		

ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN MN

Pace Project No. 1041842

Sample: MW-07		Lab ID: 1041842005	Collected: 11/07/06 15.05	Received: 11/10/06 17.53	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	947	ppb	50.0	50		11/15/06 20:15	71-43-2	
Ethylbenzene	1340	ppb	50.0	50		11/15/06 20:15	100-41-4	
Gasoline Range Organics	29400	ppb	5000	50		11/15/06 20:15		
Toluene	11300	ppb	50.0	50		11/15/06 20:15	108-88-3	
Xylene (Total)	5950	ppb	150	50		11/15/06 20:15	1330-20-7	
a,a,a-Trifluorotoluene (S)	92	%	80-141	50		11/15/06 20:15	98-08-8	

Sample: TRIP BLANK		Lab ID: 1041842006	Collected: 11/07/06 00.00	Received: 11/10/06 17.53	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV		Analytical Method: TPH WI GRO/PVOC 8021						
Benzene	ND	ppb	1.0	1		11/15/06 12:20	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		11/15/06 12:20	100-41-4	
Gasoline Range Organics	ND	ppb	100	1		11/15/06 12:20		
Toluene	ND	ppb	1.0	1		11/15/06 12:20	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		11/15/06 12:20	1330-20-7	
a,a,a-Trifluorotoluene (S)	106	%	80-141	1		11/15/06 12:20	98-08-8	

QUALITY CONTROL DATA

Project KC KWIK STOP BROOTEN MN
Pace Project No 1041842

QC Batch GCV/3595 Analysis Method: TPH WI GRO/PVOC 8021
QC Batch Method: TPH WI GRO/PVOC 8021 Analysis Description WIGRO GCV Water
Associated Lab Samples 1041842001, 1041842002, 1041842003, 1041842004, 1041842005, 1041842006

METHOD BLANK. 284322

Associated Lab Samples 1041842001, 1041842002, 1041842003, 1041842004, 1041842005, 1041842006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Benzene	ppb	ND	10	
Ethylbenzene	ppb	ND	10	
Gasoline Range Organics	ppb	ND	100	
Toluene	ppb	ND	10	
Xylene (Total)	ppb	ND	30	
a.a.a-Trifluorotoluene (S)	%	105	80-141	

LABORATORY CONTROL SAMPLE & LCSD 284323

284324

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ppb	100	88.3	92.5	88	93	80-120	5	20	
Ethylbenzene	ppb	100	93.0	95.5	93	96	80-120	3	20	
Gasoline Range Organics	ppb	1000	98.7	101.0	99	101	80-120	2	20	
Toluene	ppb	100	92.9	96.3	93	96	80-120	4	20	
Xylene (Total)	ppb	300	28.3	29.0	94	97	80-120	2	20	
a.a.a-Trifluorotoluene (S)	%				90	96	80-141			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 284325

284326

Parameter	Units	1041650006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
Benzene	ppb	242 ug/L	2500	2500	2490	2450	90	88	80-120	2	20	
Ethylbenzene	ppb	309 ug/L	2500	2500	2540	2570	89	91	80-120	1	20	
Gasoline Range Organics	ppb	7530 ug/L	25000	25000	31600	31900	96	97	80-120	1	20	
Toluene	ppb	2390 ug/L	2500	2500	4520	4570	85	87	80-120	1	20	
Xylene (Total)	ppb	1620 ug/L	7500	7500	8350	8450	90	91	80-120	1	20	
a.a.a-Trifluorotoluene (S)	%						94	102	80-141			

QUALIFIERS

Project KC KWIK STOP BROOTEN MN
Pace Project No. 1041842

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content

ND - Not Detected at or above adjusted reporting limit

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

MDL - Adjusted Method Detection Limit

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

REPORT OF LABORATORY ANALYSIS

Page 7 of 7

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: **Section B** Required Project Information: **Section C** Invoice Information:

Company: **COTEAU ENVIRONMENTAL** Report To: **COTEAU** Attention: **SCOTT**

Address: **228 JAMES CIRCLE DR** Copy To: **COTEAU** Company Name: **COTEAU**

Address: **ALEXANDRIA, VA 56308** Purchase Order No.: Pace Quote Reference:

Email To: Purchase Order No.: Pace Project Manager:

Phone: **703-846-4668** Fax: **703-882-4152** Project Name: **KE KULE STOP** Pace Profile #:

Requested Due Date/TAT: Project Number: **13007EV, MN**

ITEM #	Section D Required Client Information	Valid Matrix Codes	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Requested Analysis	Pace Project Number Lab ID
					DATE	TIME			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl		
1	MW-06		WTG	G	11/7/06	1213		3								601
2	MW-04							3								602
3	MW-03							3								603
4	MW-05							3								604
5	MW-07					1505		3								605
6	TRIP							2								606
7	TEMP							1								
8																
9																
10																
11																
12																

Additional Comments:

RELINQUISHED BY / AFFILIATION: **Scott Hunke** DATE: **11/9/06** TIME: **1100**

ACCEPTED BY / AFFILIATION: **Craig** DATE: **11/10/06** TIME: **1530.8**

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **SCOTT HUNKE**

SIGNATURE of SAMPLER: *[Signature]*

DATE Signed: **11/9/06**

Temp in °C: _____

Received on Ice: Y N

Custody Sealed Cooler: Y N

Samples Intact: Y N

Page: **1041842** of **1012018**

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA Other _____

SITE LOCATION

GA IL IN MI MN NC

OH SC WI OTHER _____



Sample Condition Upon Receipt

Client Name: Coteau Project # 10418412

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____
Tracking #: _____

Optional
Proj. Due Date: _____
Proj. Name: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 230194010 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 0.8 Biological Tissue is Frozen: Yes No
Temp should be above freezing to 6°C

Date and Initials of person examining contents: JT/11/10/06

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Chain of Custody Relinquished	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3
Sampler Name & Signature on COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9
-Pace Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11
Sample Labels match COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12
-Includes date/time/ID/Analysis Matrix:	<u>WT</u>	
All containers needing preservation have been checked	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13
All containers needing preservation are found to be in compliance with EPA recommendation	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions VOA, coliform, TOC, O&G WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>092500-3</u>	

Client Notification/ Resolution: _____ Field Data Required? Y / N
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 11/13/06

Data File: \\10samba\chem\10gcv3.i\111506a.b\p6-31916.d

Page 1

Report Date: 16-Nov-2006 08:02

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\111506a.b\p6-31916.d

Lab Smp Id: 1041842001

Inj Date : 15-NOV-2006 15:30

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1041842001

Misc Info : 3595

Comment :

Method : \\10samba\chem\10gcv3.i\111506a.b\BTEX314.m

Meth Date : 16-Nov-2006 06:50 10gcv3.i Quant Type: ISTD

Cal Date : 10-NOV-2006 12:32

Cal File: p6-31405.d

Als bottle: 16

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

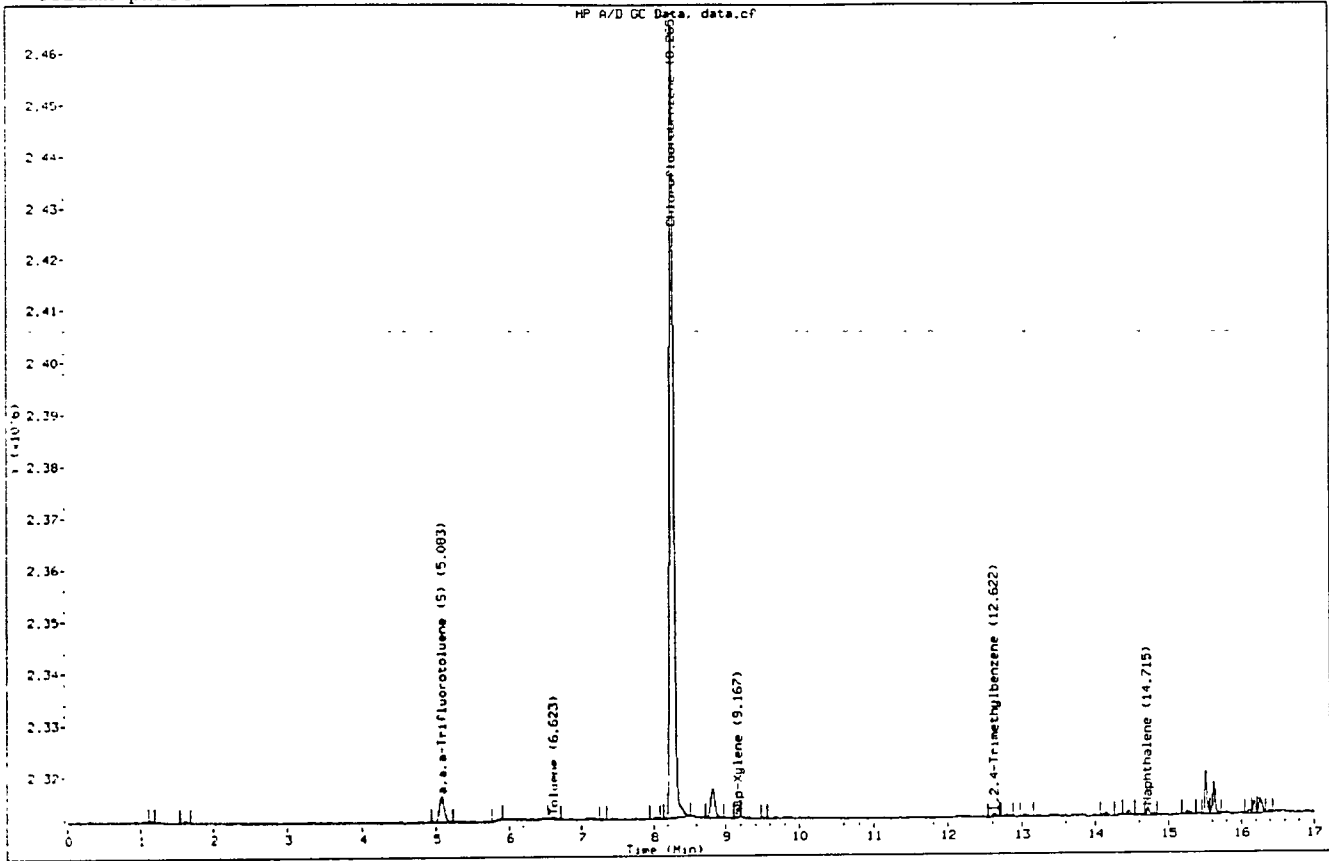
CONCENTRATIONS

Compounds	RT	EXP PT	PEL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether						
2 Benzene						
S 3 a,a,a-Trifluorotoluene (S)	5.082	5.108	(0.615)	23817	20.1974	20.2
4 Toluene	6.623	6.630	(0.631)	1837	0.14402	0.144(a)
* 5 Chlorofluorobenzene	8.265	8.262	(1.000)	575518	123.000	
6 Ethylbenzene						
7 m&p-Xylene	9.166	9.195	(1.109)	484	0.03402	0.0340(a)
8 o-Xylene						
M 9 Xylene (total)				484	0.03402	0.0340(a)
10 1,3,5-Trimethylbenzene						
11 1,2,4-Trimethylbenzene	12.621	12.625	(1.507)	2478	0.17470	0.175(a)
12 Naphthalene	14.715	14.717	(1.780)	4646	0.30458	0.304(aA)

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: \\10samba\chem\10gcv3.i\111506a.b/p6-31916.d
Report Date: 11/16/2006
Client ID: Instrument: 10gcv3.i
Sample Information: 1041842001
Purge Volume: Operator: CAN
Column phase: RTX-1 Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\111506a.b\f6-31916.d

Page 1

Report Date: 16-Nov-2006 08:02

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\10samba\chem\10gcv3.i\111506a.b\f6-31916.d

Lab Smp Id: 1041842001

Inj Date : 15-NOV-2006 15:30

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1041842001

Misc Info : 3595

Comment :

Method : \\10samba\chem\10gcv3.i\111506a.b\Gro314.m

Meth Date : 16-Nov-2006 07:57 10gcv3.i Quant Type: ESTD

Cal Date : 10-NOV-2006 13:43

Cal File: f6-31408.d

Als bottle: 16

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable



CONCENTRATIONS

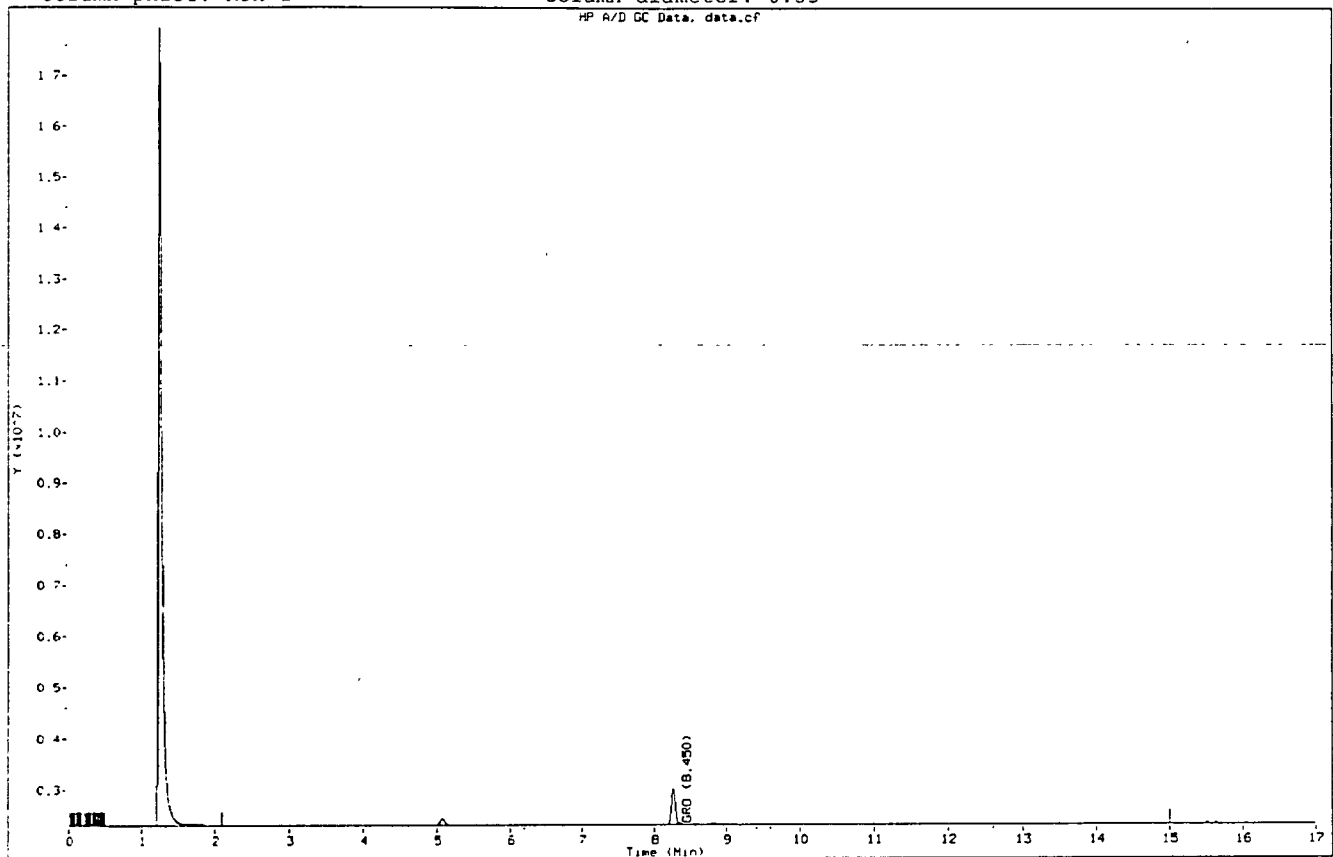
ON-COLUMN FINAL

Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GPO	2.100-14.800			71947333	3.78136	3.781(a)
S 6 Chlorofluorobenzene	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

Data File: \\10samba\chem\10gcv3.i\111506a.b\f6-31916.d
Report Date: 11/16/2006
Client ID:
Sample Information: 1041842001
Purge Volume:
Column phase: RTX-1
Instrument: 10gcv3.i
Operator: CAN
Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\111506a.b\f6-31917.d

Page 1

Report Date: 16-Nov-2006 07:38

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\10samba\chem\10gcv3.i\111506a.b\f6-31917.d

Lab Smp Id: 1041842002

Client Smp ID: 1041842002

Inj Date : 15-NOV-2006 15:54

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1041842002

Misc Info : 3595

Comment :

Method : \\10samba\chem\10gcv3.i\111506a.b\Gro314.m

Meth Date : 16-Nov-2006 07:38 10gcv3.i Quant Type: ESTD

Cal Date : 10-NOV-2006 13:43

Cal File: f6-31408.d

Als bottle: 17

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL
					(ug/L)	(ug/L)
-----	----	-----	-----	-----	-----	-----
S 5 GRO	2.100-14.800			344536053	324.379	324.4
S 6 Chlorofluorobenzene				Compound Not Detected.		

Data File: \\10samba\chem\10gcv3.i\111506a.b/f6-31917.d

Report Date: 11/16/2006

Client ID: 1041842002

Instrument: 10gcv3.i

Sample Information: 1041842002

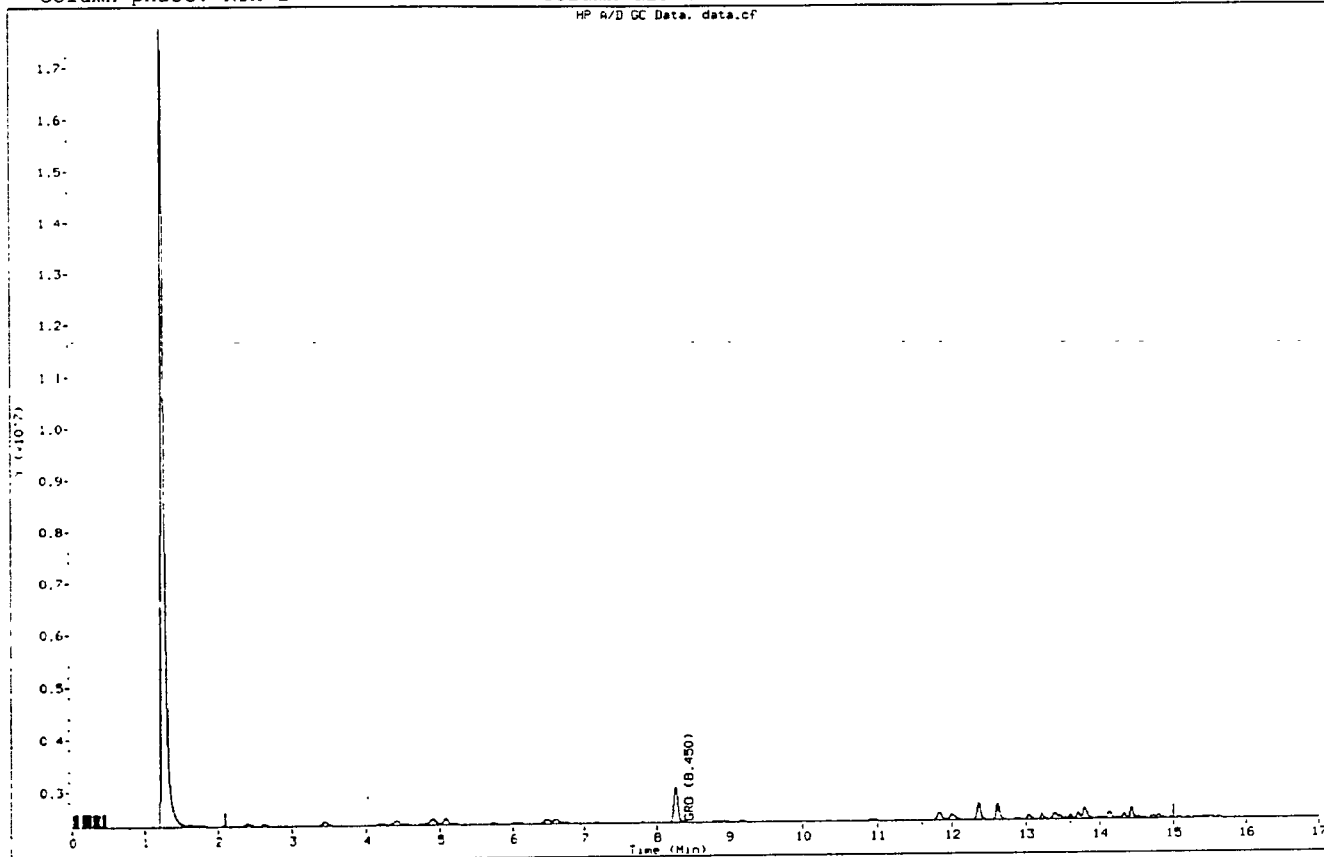
Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53

HP A/D GC Data: data.cf



Data File: \\10samba\chem\10gcv3.i\111506a.b\p6-31917.d

Page 1

Report Date: 16-Nov-2006 07:19

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\111506a.b\p6-31917.d

Lab Smp Id: 1041842002

Client Smp ID: 1041842002

Inj Date : 15-NOV-2006 15:54

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1041842002

Misc Info : 3595

Comment :

Method : \\10samba\chem\10gcv3.i\111506a.b\BTEX314.m

Meth Date : 16-Nov-2006 06:50 10gcv3.i Quant Type: ISTD

Cal Date : 10-NOV-2006 12:32

Cal File: p6-31405.d

Als bottle: 17

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS.

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS.	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether	Compound Not Detected.					
2 Benzene	Compound Not Detected.					
S 3 a,a,a-Trifluorotoluene (S)	5.090	5.108	(0.616)	25692	21.6748	21.7
4 Toluene	6.609	6.630	(0.799)	31553	2.45261	2.45
* 5 Chlorofluorobenzene	8.267	8.282	(1.000)	580474	123.000	
6 Ethylbenzene	8.934	8.950	(1.081)	21940	1.78799	1.79
7 m&p-Xylene	9.180	9.195	(1.110)	18262	1.27261	1.27
8 o-Xylene	9.855	9.864	(1.192)	8218	0.65726	0.657(a)
M 9 Xylene (total)				26480	1.92987	1.93
10 1,3,5-Trimethylbenzene	Compound Not Detected.					
11 1,2,4-Trimethylbenzene	12.614	12.625	(1.526)	303428	21.2090	21.2
12 Naphthalene	14.712	14.717	(1.780)	67807	7.44764	7.45(A)

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: \\10samba\chem\10gcv3.1\111506a.b\p6-31917.d

Report Date: 11/16/2006

Client ID: 1041842002

Instrument: 10gcv3.i

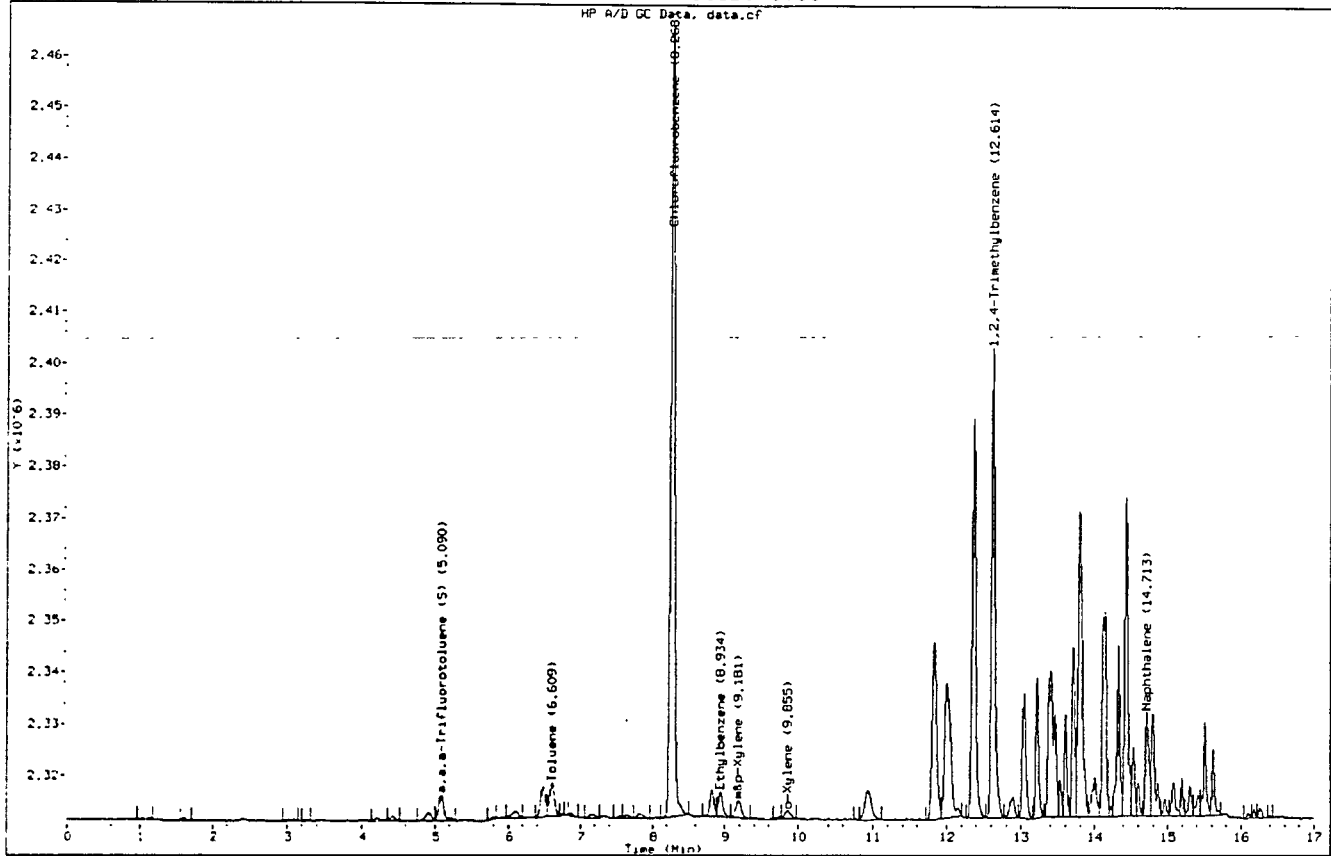
Sample Information: 1041842002

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\111506a.b\f6-31918.d

Page 1

Report Date: 16-Nov-2006 07:38

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\10samba\chem\10gcv3.i\111506a.b\f6-31918.d

Lab Smp Id: 1041842003

Client Smp ID: 1041842003

Inj Date : 15-NOV-2006 16:18

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1041842003

Misc Info : 3595

Comment :

Method : \\10samba\chem\10gcv3.i\111506a.b\Gro314.m

Meth Date : 16-Nov-2006 07:38 10gcv3.i Quant Type: ESTD

Cal Date : 10-NOV-2006 13:43

Cal File: f6-31408.d

Als bottle: 18

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable



CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GRO	2.100-14.800			405141028	395.658	395.6
S 6 Chlorofluorobenzene	Compound Not Detected.					

Data File: \\10samba\chem\10gcv3.i\111506a.b/f6-31918.d

Report Date: 11/16/2006

Client ID: 1041842003

Sample Information: 1041842003

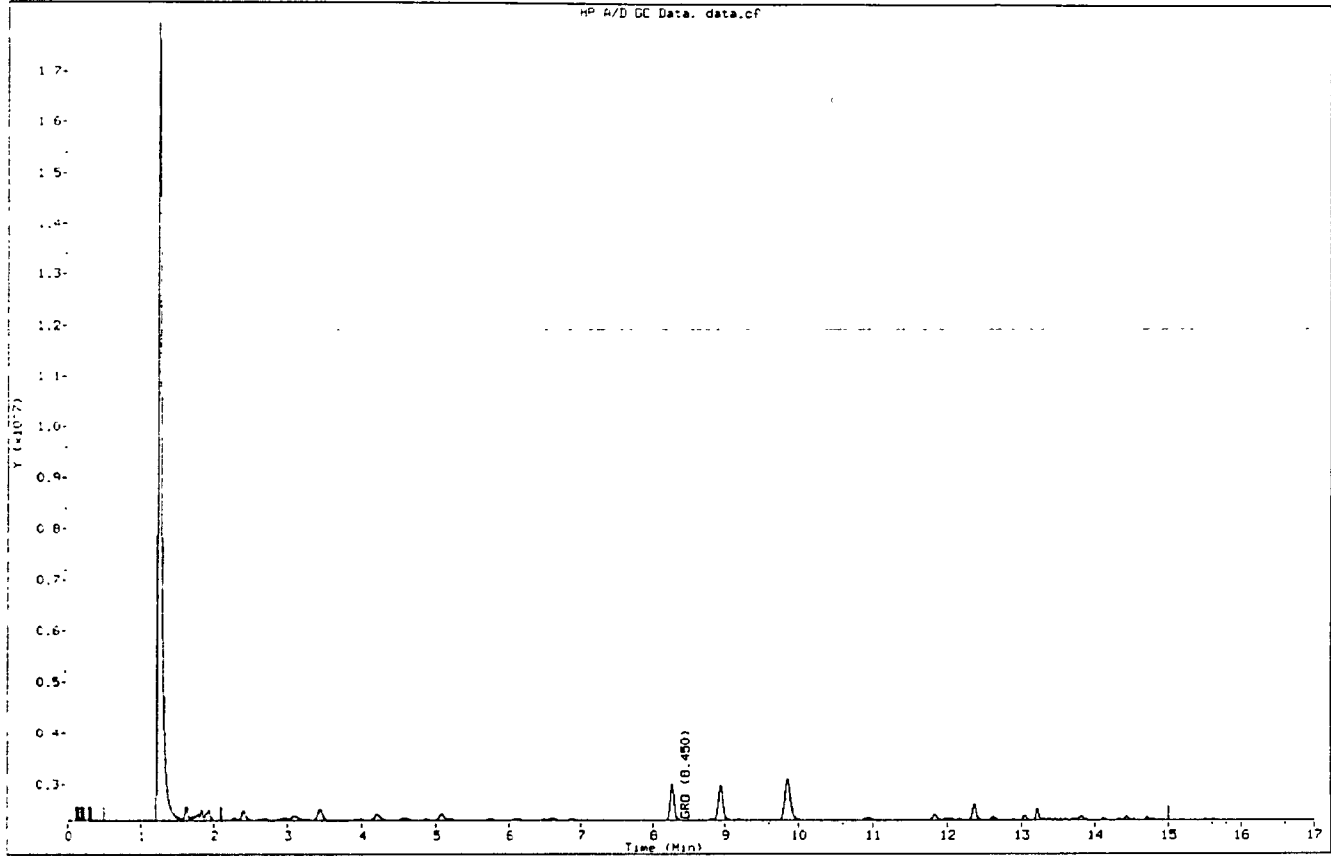
Purge Volume:

Column phase: RTX-1

Instrument: 10gcv3.i

Operator: CAN

Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\111506a.b\p6-31918.d

Page 1

Report Date: 16-Nov-2006 07:19

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\111506a.b\p6-31918.d

Lab Smp Id: 1041842003

Client Smp ID: 1041842003

Inj Date : 15-NOV-2006 16:18

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1041842003

Misc Info : 3595

Comment :

Method : \\10samba\chem\10gcv3.i\111506a.b\BTEX314.m

Meth Date : 16-Nov-2006 06:50 10gcv3.i Quant Type: ISTD

Cal Date : 10-NOV-2006 12:32

Cal File: p6-31405.d

Als bottle: 18

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

ON-COLUMN FINAL

Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
-----	-----	-----	-----	-----	-----	-----
1 Methyl-t-butyl ether	Compound Not Detected.					
2 Benzene	3.967	4.005	(0.480)	8728	2.20840	2.21
S 3 a,a,a-Trifluorotoluene (S)	5.039	5.108	(0.616)	21980	18.3219	18.3
4 Toluene	6.611	6.630	(0.800)	44931	3.48012	3.48
* 5 Chlorofluorobenzene	8.267	8.282	(1.000)	582535	123.000	
6 Ethylbenzene	8.933	8.950	(1.081)	743094	60.3438	60.3
7 m&p-Xylene	9.189	9.195	(1.111)	11599	0.80543	0.805(a)
8 o-Xylene	9.846	9.864	(1.191)	1043899	83.1936	83.2
M 9 Xylene (total)				1055498	83.9990	84.0
10 1,3,5-Trimethylbenzene	12.153	12.163	(1.470)	26566	1.47678	1.48
11 1,2,4-Trimethylbenzene	12.614	12.625	(1.526)	69785	4.86058	4.86
12 Naphthalene	14.708	14.717	(1.779)	77599	8.52467	8.52(A)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: \\10samba\chem\10gcv3.i\111506a.b\p6-31918.d

Report Date: 11/16/2006

Client ID: 1041842003

Instrument: 10gcv3.i

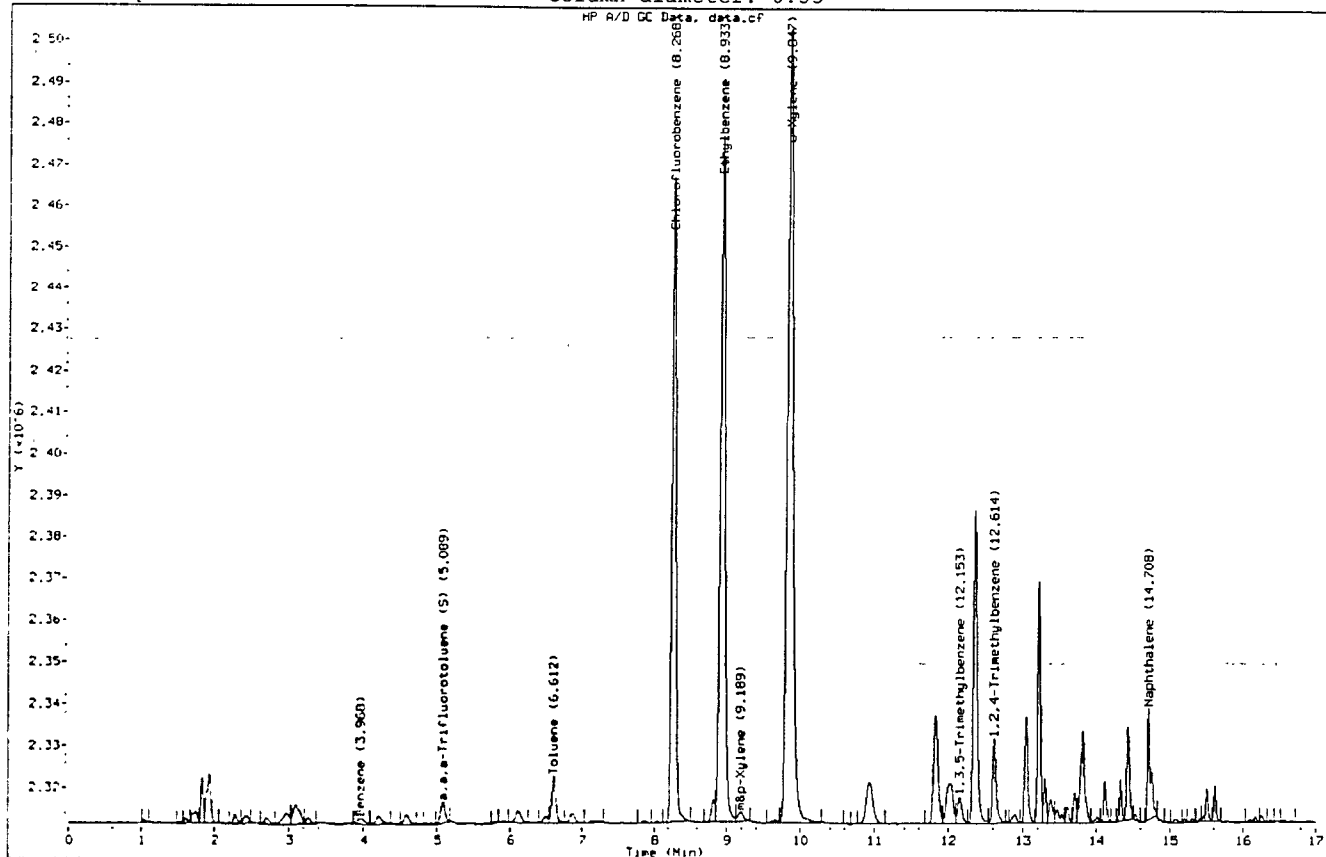
Sample Information: 1041842003

Purge Volume:

Operator: CAN

Column phase: RTX-1

Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\111506a.b\f6-31927.d

Page 1

Report Date: 16-Nov-2006 07:38

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\10samba\chem\10gcv3.i\111506a.b\f6-31927.d

Lab Smp Id: 1041842004

Inj Date : 15-NOV-2006 19:51

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1041842004 50x

Misc Info : 3595

Comment :

Method : \\10samba\chem\10gcv3.i\111506a.b\Gro314.m

Meth Date : 16-Nov-2006 07:38 10gcv3.i Quant Type: ESTD

Cal Date : 10-NOV-2006 13:43

Cal File: f6-31408.d

Als bottle: 27

Dil Factor: 50.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

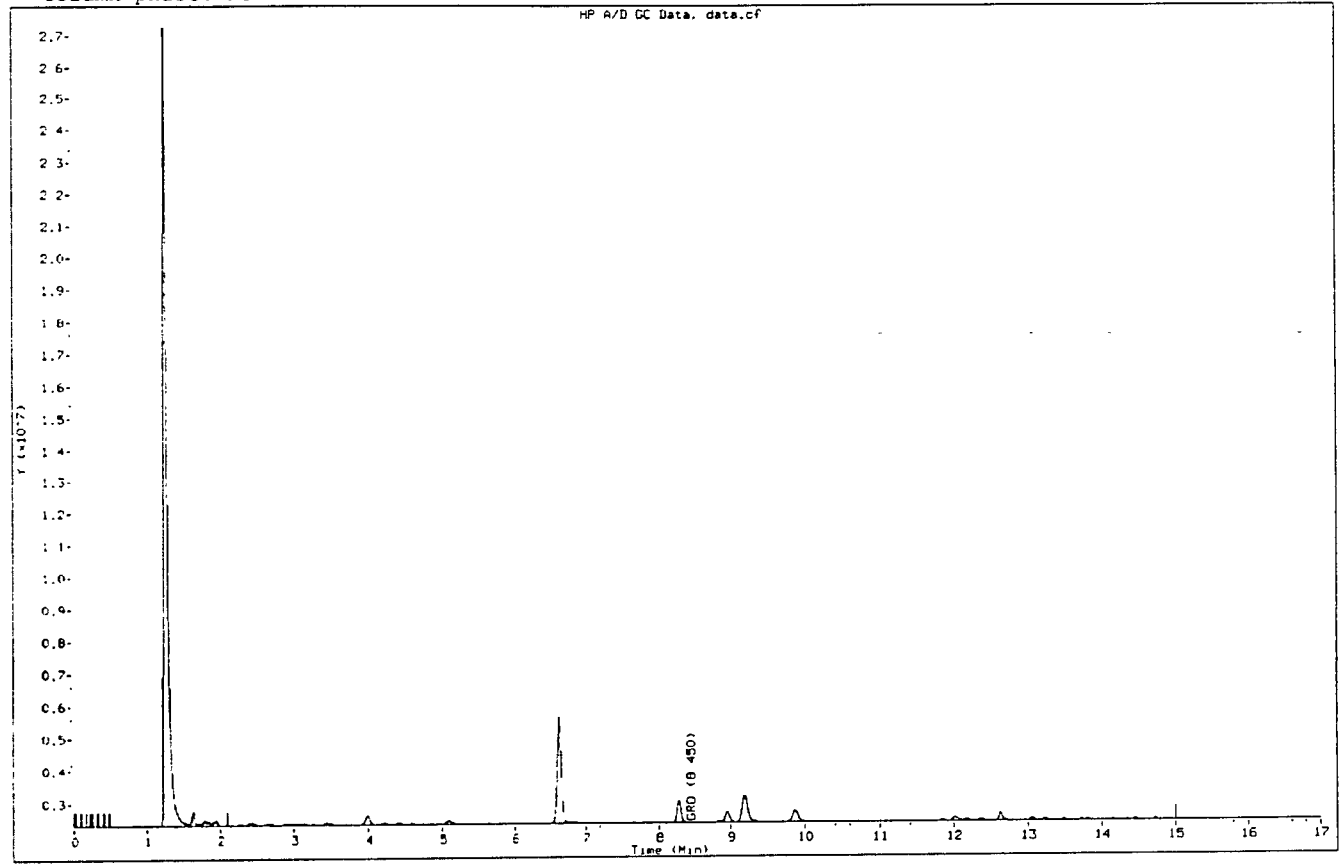
Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL
					(ug/L)	(ug/L)
S 5 GRO	2.100-14.800			616748993	644.536	32230
S 6 Chlorofluorobenzene	Compound Not Detected.					

Data File: \\10samba\chem\10gcv3.1\111506a.b/f6-31927.d
Report Date: 11/16/2006
Client ID: Instrument: 10gcv3.i
Sample Information: 1041842004 50x Operator: CAN
Purge Volume: Column diameter: 0.53
Column phase: RTX-1

HP A/D GC Data, data.cf



Data File: \\10samba\chem\10gcv3.i\111506a.b\f6-31928.d

Page 1

Report Date: 16-Nov-2006 07:38

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\10samba\chem\10gcv3.i\111506a.b\f6-31928.d

Lab Smp Id: 1041842005

Inj Date : 15-NOV-2006 20:15

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1041842005 50x

Misc Info : 3595

Comment :

Method : \\10samba\chem\10gcv3.i\111506a.b\Gro314.m

Meth Date : 16-Nov-2006 07:38 10gcv3.i Quant Type: ESTD

Cal Date : 10-NOV-2006 13:43

Cal File: f6-31408.d

Als bottle: 28

Dil Factor: 50.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

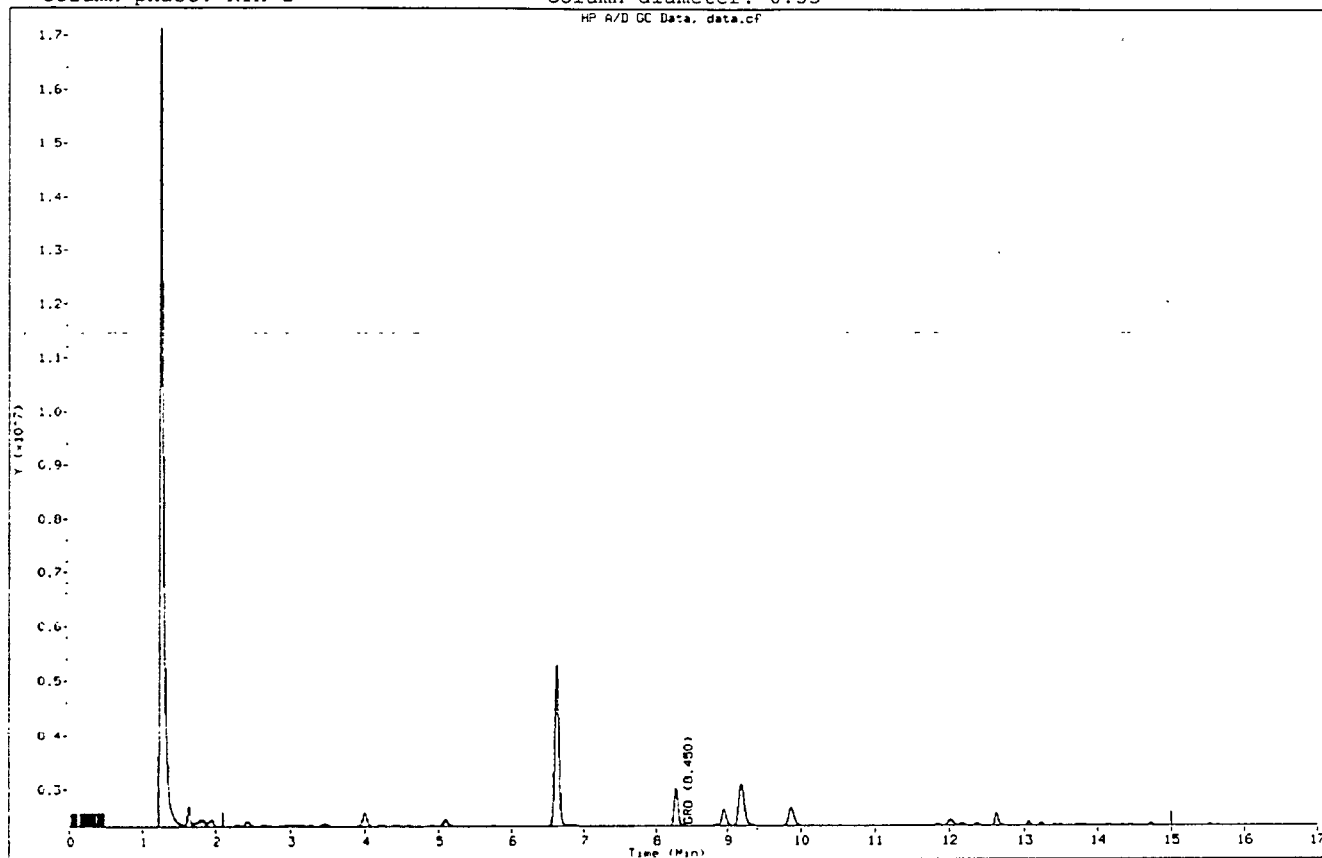
Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL
					(ug/L)	(ug/L)
-----	-----	-----	-----	-----	-----	-----
S 5 GRO	2.100-14.800			568292795	587.545	29380
S 6 Chlorofluorobenzene	Compound Not Detected.					

Data File: \\10samba\chem\10gcv3.i\111506a.b/f6-31928.d
Report Date: 11/16/2006
Client ID: Instrument: 10gcv3.i
Sample Information: 1041842005 50x
Purge Volume: Operator: CAN
Column phase: RTX-1 Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\111506a.b\p6-31928.d

Page 1

Report Date: 16-Nov-2006 07:28

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\111506a.b\p6-31928.d

Lab Smp Id: 1041842005

Inj Date : 15-NOV-2006 20:15

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1041842005 50x

Misc Info : 3595

Comment :

Method : \\10samba\chem\10gcv3.i\111506a.b\BTEX314.m

Meth Date : 16-Nov-2006 06:50 10gcv3.i Quant Type: ISTD

Cal Date : 10-NOV-2006 12:32

Cal File: p6-31405.d

Als bottle: 28

Dil Factor: 50.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

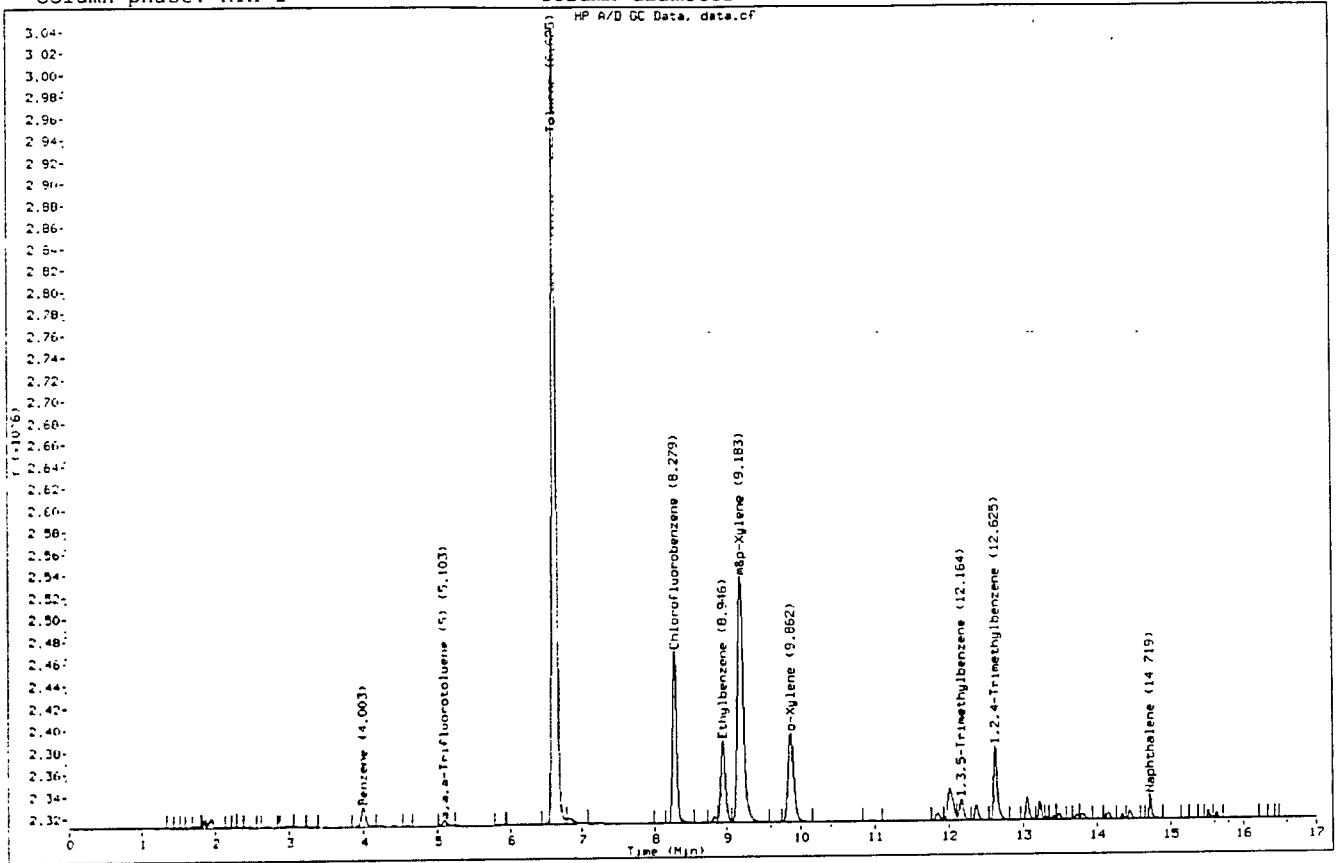
Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether	Compound Not Detected.					
2 Benzene	4.003	4.005	(0.484)	75721	18.9421	947
S 3 a,a,a-Trifluorotoluene (S)	5.103	5.108	(0.616)	22375	18.4465	18.4
4 Toluene	6.625	6.630	(0.800)	2941132	225.222	11300
5 Chlorofluorobenzene	8.279	8.282	(1.000)	589216	123.000	
6 Ethylbenzene	8.945	8.950	(1.081)	333555	26.7796	1340
7 m,p-Xylene	9.183	9.195	(1.109)	1232981	84.6470	4230
8 o-Xylene	9.861	9.864	(1.191)	436586	34.3992	1720
M 9 Xylene (total)				1669567	119.046	5950
10 1,3,5-Trimethylbenzene	12.164	12.163	(1.469)	78733	4.32706	216
11 1,2,4-Trimethylbenzene	12.625	12.625	(1.525)	224594	15.4658	773
12 Naphthalene	14.719	14.717	(1.778)	52501	5.62739	281(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\10samba\chem\10gcv3.i\111506a.b/p6-31928.d
Report Date: 11/16/2006
Client ID: Instrument: 10gcv3.i
Sample Information: 1041842005 50x Operator: CAN
Purge Volume: Column diameter: 0.53
Column phase: RTX-1



Data File: \\10samba\chem\10gcv3.i\111506a.b\p6-31908.d

Page 1

Report Date: 16-Nov-2006 07:19

Pace Analytical Services

MBTEX - MODIFIED 8020

Data file : \\10samba\chem\10gcv3.i\111506a.b\p6-31908.d

Lab Smp Id: 1041842006

Client Smp ID: 1041842006

Inj Date : 15-NOV-2006 12:20

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1041842006

Misc Info : 3595

Comment :

Method : \\10samba\chem\10gcv3.i\111506a.b\BTEX314.m

Meth Date : 16-Nov-2006 06:50 10gcv3.i Quant Type: ISTD

Cal Date : 10-NOV-2006 12:32

Cal File: p6-31405.d

Als bottle: 8

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
1 Methyl-t-butyl ether						
2 Benzene						
S 3 a,a,a-Trifluorotoluene (S)	5.107	5.108 (0.617)		25248	21.2445	21.2
4 Toluene	6.628	6.630 (0.800)		924	0.07170	0.0717(a)
* 5 Chlorofluorobenzene	8.282	8.282 (1.000)		581449	123.000	
6 Ethylbenzene						
7 m,p-Xylene						
8 o-Xylene						
M 9 Xylene (total)						
10 1,3,5-Trimethylbenzene	12.171	12.163 (1.470)		1648	0.09178	0.0918(a)
11 1,2,4-Trimethylbenzene	12.626	12.625 (1.524)		2089	0.14577	0.146(a)
12 Naphthalene	14.720	14.717 (1.777)		9618	0.86088	0.861(aA)

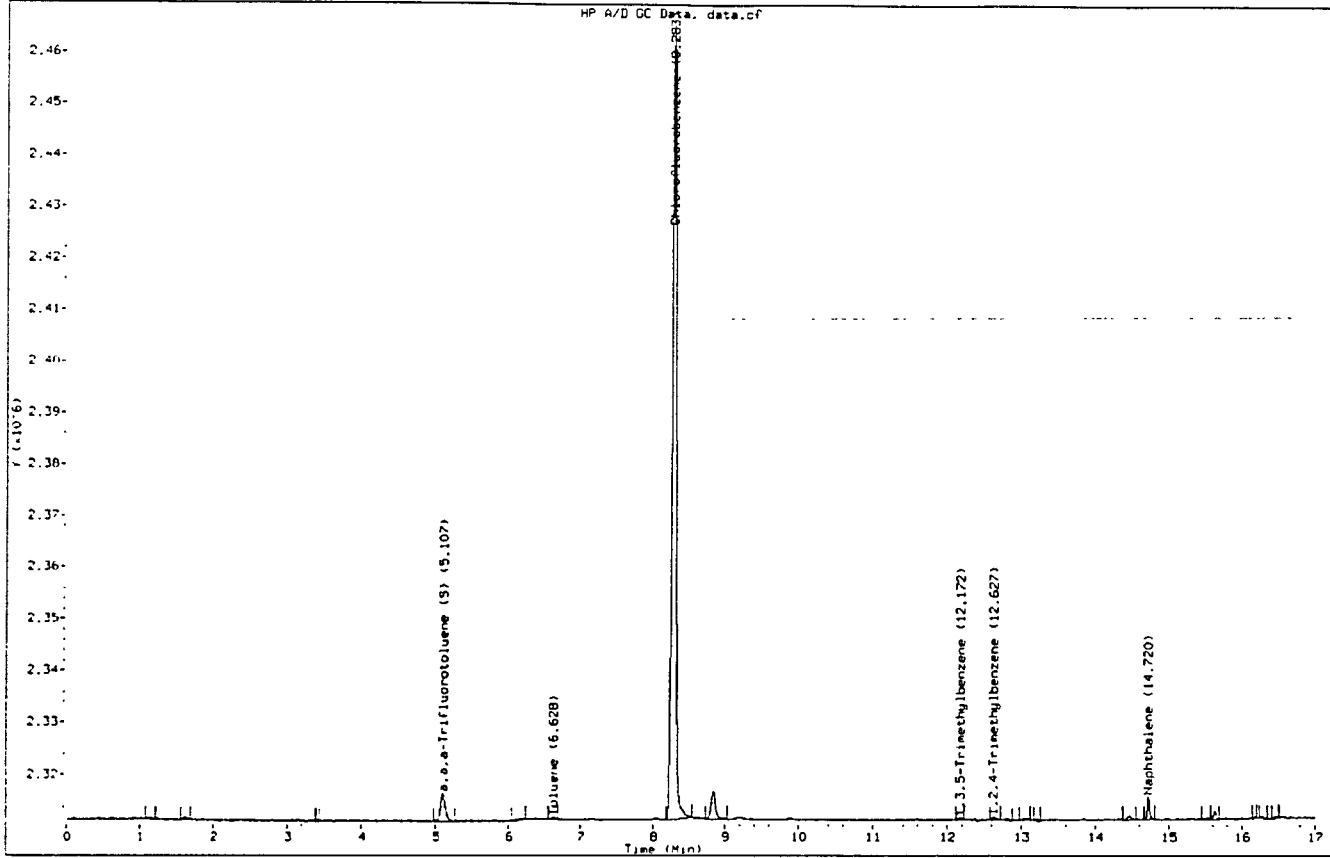
QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File: \\10samba\chem\10gcv3.i\111506a.b\p6-31908.d
Report Date: 11/16/2006
Client ID: 1041842006
Sample Information: 1041842006
Purge Volume:
Column phase: RTX-1

Instrument: 10gcv3.i

Operator: CAN
Column diameter: 0.53



Data File: \\10samba\chem\10gcv3.i\111506a.b\f6-31908.d

Page 1

Report Date: 16-Nov-2006 07:38

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\10samba\chem\10gcv3.i\111506a.b\f6-31908.d

Lab Smp Id: 1041842006

Client Smp ID: 1041842006

Inj Date : 15-NOV-2006 12:20

Operator : CAN

Inst ID: 10gcv3.i

Smp Info : 1041842006

Misc Info : 3595

Comment :

Method : \\10samba\chem\10gcv3.i\111506a.b\Gro314.m

Meth Date : 16-Nov-2006 07:38 10gcv3.i Quant Type: ESTD

Cal Date : 10-NOV-2006 13:43

Cal File: f6-31408.d

Als bottle: 8

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/L)
S 5 GRO	2.100-14.800			71502025	3.25762	3.258(a)
S 6 Chlorofluorobenzene	Compound Not Detected.					

QC Flag Legend

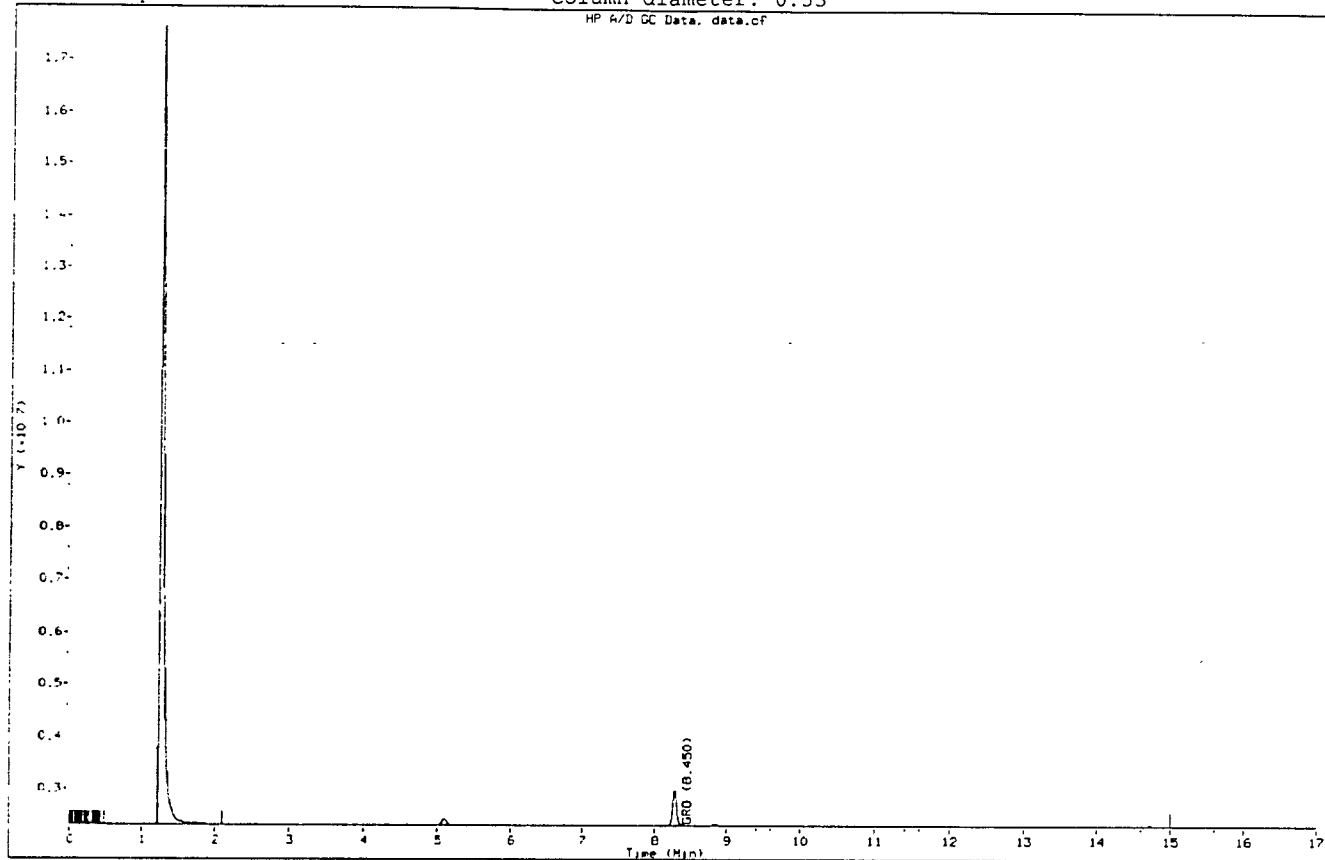
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\10samba\chem\10gcv3.i\111506a.b/f6-31908.d
Report Date: 11/16/2006
Client ID: 1041842006
Sample Information: 1041842006
Purge Volume:
Column phase: RTX-1

Instrument: 10gcv3.i

Operator: CAN
Column diameter: 0.53

HP 470 GC Data. data.cf



**APPENDIX B
METHODOLOGIES**

METHODOLOGIES

Fluid Level Measurements

Fluid-levels in all monitor wells will be monitored using an electronic water-level indicator, steel tape or interface probe. An interface probe or chalk and paste will be used to measure fluid levels when free product exists in the well. The fluid level will be obtained by lowering the measuring device into the well until the water surface has been encountered and by recording the distance from the top of the inside casing to the measuring device to the nearest 0.01 foot. Prior to each measurement, the fluid-level measuring device will be cleaned with alcohol and distilled water.

Soil Vapor Sample Collection

Complete vapor intrusion soil borings to a maximum depth of 10 feet below grade utilizing direct push drilling technology in accordance with MPCA Guidance Document c-prp4-01a. One (1) soil boring will be completed in the worst case location and four (4) additional soil borings will be completed in a radial distribution pattern from the worst case boring at distances of approximately 25, 50, 75 and 100 feet from the worst case boring or adjacent to all occupied structures within a 100 foot radius of the source boring. A soil vapor boring will be completed adjacent to any building that exhibits moderate or high potential for human exposure. Advance a drive point fitted with teflon or LDPE tubing to the boring completion depth and purge a minimum of two (2) volumes of air from the tubing utilizing a graduated syringe. The boring completion depth will be determined based on MPCA Guidance Document c-prp4-01a, Table 1. Attach teflon or LDPE tubing to a Summa canister fitted with a vacuum gauge and collect one (1) air sample. Fill the Summa canister until the vacuum gauge indicates that the sampler is full and record the amount of time required to fill the canister. The amount of time required to collect the remaining samples can be estimated based on the amount of time required to collect the initial Summa canister. Collect one (1) Summa canister per vapor intrusion boring. Record final pressure and time on the chain of custody form and analyze the air sample for volatile organic compounds (Appendix A, Minnesota Soil Gas List, Guidance Document c-prp4-01a) utilizing EPA method TO-15. Please note that in the presence of high concentrations of VOC's, EPA method TO-14 may be utilized to analyze the air sample, at the discretion of the laboratory. Attach the teflon or LDPE tubing to a PID and record the VOC concentration utilizing the PID, in parts per million, of the chain-of-custody for each soil gas

sample.

A sub-slab vapor sample is collected by advancing a boring through the slab material utilizing a rotary hammer drill or utilizing direct-push drilling technology. The boring is advanced to a maximum depth of 3 to 5 feet below grade utilizing direct push drilling technology in accordance with MPCA Guidance Document c-prp4-01a. A drive point fitted with teflon or LDPE tubing is advanced to the boring completion depth. Coarse sand or glass beads are added to cover the tip point and cement grout is placed above the sand or glass beads to form a surface seal. A minimum of two (2) volumes of air are purged from the tubing utilizing a graduated syringe. Attach teflon or LDPE tubing to a Summa canister fitted with a vacuum gauge and collect one (1) air sample. Fill the Summa canister until the vacuum gauge indicates that the sampler is full and record the amount of time required to fill the canister. The amount of time required to collect the remaining samples can be estimated based on the amount of time required to collect the initial Summa canister. Collect one (1) Summa canister per vapor intrusion boring. Record final pressure and time on the chain of custody form and analyze the air sample for volatile organic compounds (Appendix A, Minnesota Soil Gas List, Guidance Document c-prp4-01a) utilizing EPA method TO-15. Please note that in the presence of high concentrations of VOC's, EPA method TO-14 may be utilized to analyze the air sample, at the discretion of the laboratory. Teflon or LDPE tubing is attached to a PID and the VOC concentration utilizing the PID, in parts per million, is recorded of the chain-of-custody for each soil gas sample.

Ground Water Sampling

Ground water sampling procedures will be conducted in accordance with the MPCA guidance. Monitor wells will be sampled from the suspected cleanest to the most contaminated. The field protocol for monitor well sampling will consist of fluid level measurement, monitor well development, and sample collection. The fluid level will be measured in the well to the nearest 0.01 foot. Following fluid level measurement, the well volume will be calculated and a minimum of 3 to 5 well casing volumes will be removed from the well prior to sampling using a dedicated stainless-steel or polyethylene bailer. Well stabilization data may be recorded during purging in the form of temperature, pH and electrical conductivity. Following sample collection, the samples will be shipped to a specified laboratory following appropriate documentation, preservation, and chain of custody procedures. Data collected during the sampling procedure will be documented in the

field. All equipment utilized during sample collection will be cleaned with alcohol and deionized water.

Laboratory Analysis

Laboratory analysis of the soil and ground water samples will be conducted by a certified laboratory using standard EPA methods. Benzene, toluene, ethyl benzene, xylenes (BTEX), VOC's, TPH as gasoline using GRO methodology and TPH as fuel oil using DRO methodology, analyses will be conducted in accordance with the California/USGS Method or equivalent method approved by the MPCA.

**APPENDIX C
FIELD DATA**

CLIENT: FORMER KC KWICK STOP

DATE: 2/1/06

LOCATION: BROOTEN, MN

NAME: SD4

FLUID LEVEL SHEET

WELL NUMBER	TOC ELEV.	REF. POINT	MEAS. POINT	DEPTH TO PRODUCT	REF. POINT	MEAS. POINT	DEPTH TO WATER	PRODUCT THICKNESS	TOTAL DEPTH	PREV. DEPTH TO WATER	ORDER	WELL NUMBER
MW-01							10.29		19.93	10.21		MW-01
MW-02							12.96		22.16	12.90		MW-02
MW-03							13.20		22.42	13.08	3	MW-03
MW-04							13.30		21.83	13.21	2	MW-04
MW-05							10.12		19.20	10.06	4	MW-05
MW-06							10.70		19.64	10.58	1	MW-06

* = Contains Product

OBSERVATIONS/COMMENTS: _____

WATER SAMPLING DATA

DATE:	2/1/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-0 3
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	22.42
DEPTH TO WATER:	13.30
COLUMN LENGTH:	9.12
WELL VOLUME:	1.46
TOTAL VOLUME REMOVED:	7.5
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	CLOUDY, 20°s
SAMPLE DESCRIPTION:	LIGHT BROWN, SLIGHT ODDOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1259

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

WATER SAMPLING DATA

DATE:	2/1/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-04
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	21.83
DEPTH TO WATER:	13.30
COLUMN LENGTH:	8.53
WELL VOLUME:	1.37
TOTAL VOLUME REMOVED:	7
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	CLOUDY, 20°s
SAMPLE DESCRIPTION:	LIGHT BROWN, ODR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1148

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

WATER SAMPLING DATA

DATE:	2/1/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-05
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.20
DEPTH TO WATER:	10.12
COLUMN LENGTH:	9.08
WELL VOLUME:	1.45
TOTAL VOLUME REMOVED:	7.5
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	cloudy 20°s
SAMPLE DESCRIPTION:	LIGHT GRAY, STRONG ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1355

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

WATER SAMPLING DATA

DATE:	2/1/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-06
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.64
DEPTH TO WATER:	10.70
COLUMN LENGTH:	8.94
WELL VOLUME:	1.43
TOTAL VOLUME REMOVED:	7.25
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	CLOUDY 20° S
SAMPLE DESCRIPTION:	LIGHT BROWN
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1052

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

CLIENT: FORMER KC KWICK STOP
 LOCATION: BROOTEN, MN
 FLUID LEVEL SHEET

DATE 5/4/06

NAME SD4

WELL NUMBER	TOC ELEV.	REF. POINT	MEAS. POINT	DEPTH TO PRODUCT	REF. POINT	MEAS. POINT	DEPTH TO WATER	PRODUCT THICKNESS	TOTAL DEPTH	PREV. DEPTH TO WATER	ORDER	WELL NUMBER
MW-01							9.42		19.93	10.21		MW-01
MW-02							12.12		22.16	12.90		MW-02
MW-03							12.38		22.42	13.08	3	MW-03
MW-04							12.47		21.83	13.21	2	MW-04
MW-05							9.31		19.20	10.06	4	MW-05
MW-06							9.88		19.64	10.58	1	MW-06

* = Contains Product

OBSERVATIONS/COMMENTS: _____

WATER SAMPLING DATA

DATE:	5/4/66
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-0 3
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	22.42
DEPTH TO WATER:	12.38
COLUMN LENGTH:	10.04
WELL VOLUME:	1.61
TOTAL VOLUME REMOVED:	8
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	CLOUDY 40°S
SAMPLE DESCRIPTION:	LIGHT BROWN, ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1205

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

WATER SAMPLING DATA

DATE:	5/4/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-0 4
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	21.83
DEPTH TO WATER:	12.47
COLUMN LENGTH:	9.36
WELL VOLUME:	1.50
TOTAL VOLUME REMOVED:	7.5
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	CLOUDY 40°S
SAMPLE DESCRIPTION:	LIGHT BROWN SLIGHT ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	11/2

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

WATER SAMPLING DATA

DATE:	5/4/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-05
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.20
DEPTH TO WATER:	9.31
COLUMN LENGTH:	9.89
WELL VOLUME:	1.58
TOTAL VOLUME REMOVED:	8
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	CLOUDY 400'S
SAMPLE DESCRIPTION:	LIGHT GRAY STRONG ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1309

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

WATER SAMPLING DATA

DATE:	5/4/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-06
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.64
DEPTH TO WATER:	9.88
COLUMN LENGTH:	9.76
WELL VOLUME:	1.56
TOTAL VOLUME REMOVED:	8
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	CLOUDY 40° ±
SAMPLE DESCRIPTION:	BROWN
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1003

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

CLIENT: FORMER KC KWICK STOP
 LOCATION: BROOTEN, MN
 FLUID LEVEL SHEET

DATE 8/21/06
 NAME 504

WELL NUMBER	TOC ELEV.	REF. POINT	MEAS. POINT	DEPTH TO PRODUCT	REF. POINT	MEAS. POINT	DEPTH TO WATER	PRODUCT THICKNESS	TOTAL DEPTH	PREV. DEPTH TO WATER	ORDER	WELL NUMBER
MW-01							11.03		19.93	10.21		MW-01
MW-02							13.71		22.16	12.90		MW-02
MW-03							13.93		22.42	13.08	3	MW-03
MW-04							14.07		21.83	13.21	2	MW-04
MW-05							10.88		19.20	10.06	4	MW-05
MW-06							11.38		19.64	10.58	1	MW-06

* = Contains Product

OBSERVATIONS/COMMENTS: _____

WATER SAMPLING DATA

DATE:	8/21/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-03
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	22.42
DEPTH TO WATER:	13.93
COLUMN LENGTH:	8.49
WELL VOLUME:	1.36
TOTAL VOLUME REMOVED:	7
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN 70°S
SAMPLE DESCRIPTION:	LIGHT BROWN, ODDOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1202

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

WATER SAMPLING DATA

DATE:	8/21/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-04
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	21.83
DEPTH TO WATER:	14.07
COLUMN LENGTH:	7.76
WELL VOLUME:	1.24
TOTAL VOLUME REMOVED:	6.25
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN, 70°S
SAMPLE DESCRIPTION:	LIGHT BROWN, SLIGHT ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1108

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

WATER SAMPLING DATA

DATE:	8/21/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-05
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.20
DEPTH TO WATER:	10.88
COLUMN LENGTH:	8.32
WELL VOLUME:	1.33
TOTAL VOLUME REMOVED:	6.75
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN, 700's
SAMPLE DESCRIPTION:	LIGHT BROWN, ODDOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1305

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

WATER SAMPLING DATA

DATE:	8/21/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-06
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.64
DEPTH TO WATER:	11.38
COLUMN LENGTH:	8.26
WELL VOLUME:	1.32
TOTAL VOLUME REMOVED:	6.75
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN. 60°s
SAMPLE DESCRIPTION:	LIGHT BROWN
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1017

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

CLIENT: FORMER KC KWICK STOP

DATE 11/7/06

LOCATION: BROOTEN, MN

FLUID LEVEL SHEET

NAME 504

WELL NUMBER	TOC ELEV.	REF. POINT	MEAS. POINT	DEPTH TO PRODUCT	REF. POINT	MEAS. POINT	DEPTH TO WATER	PRODUCT THICKNESS	TOTAL DEPTH	PREV. DEPTH TO WATER	ORDER	WELL NUMBER
MW-01							11.68		19.93	10.21		MW-01
MW-02							14.34		22.16	12.90		MW-02
MW-03							14.58		22.42	13.08	3	MW-03
MW-04							14.72		21.83	13.21	2	MW-04
MW-05							11.54		19.20	10.06	4	MW-05
MW-06							12.05		19.64	10.58	1	MW-06

* = Contains Product

OBSERVATIONS/COMMENTS: _____

WATER SAMPLING DATA

DATE:	11/7/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-03
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	22.42
DEPTH TO WATER:	14.58
COLUMN LENGTH:	7.84
WELL VOLUME:	1.25
TOTAL VOLUME REMOVED:	6.5
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	CLOUDY 50°S
SAMPLE DESCRIPTION:	LIGHT BROWN, SLIGHT ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1352

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

WATER SAMPLING DATA

DATE:	11/7/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-04
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	21.83
DEPTH TO WATER:	14.72
COLUMN LENGTH:	7.11
WELL VOLUME:	1.14
TOTAL VOLUME REMOVED:	5.75
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	Cloudy 50°s
SAMPLE DESCRIPTION:	LIGHT BROWN, SLIGHT ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1302

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

WATER SAMPLING DATA

DATE:	11/7/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-05
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.20
DEPTH TO WATER:	11.54
COLUMN LENGTH:	7.64
WELL VOLUME:	1.23
TOTAL VOLUME REMOVED:	6.25
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	Cloudy 50°s
SAMPLE DESCRIPTION:	LIGHT BROWN ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1455

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

WATER SAMPLING DATA

DATE:	11/7/06
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-06
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.64
DEPTH TO WATER:	12.05
COLUMN LENGTH:	7.59
WELL VOLUME:	1.21
TOTAL VOLUME REMOVED:	6
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	CLOUDY, 50° F
SAMPLE DESCRIPTION:	LIGHT BROWN
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1213

NOTE: For 2-inch wells, multiply column length in feet times 0.16 to obtain one (1) well volume in gallons.

REMOVE 5 well volumes before sampling!

APPENDIX E
SPATIAL DATA REPORTING FORM



Petroleum Remediation Program

Minnesota Pollution Control Agency

http://www.pca.state.mn.us/programs/lust_p.html

Spatial Data Reporting Form

Guidance Document 1-03a

(For complete instructions, see Guidance Document 1-03.)

Part 1. Background

Has a site location data point been submitted for this site (circle/highlight)? **YES** or **NO**
If yes, you do not need to complete Part 2 of this form but should complete Part 3 if there are additional site features to report. This form can be submitted electronically if desired (e.g., as an e-mail attachment to the project manager).

MPCA Site ID: LEAK00014698

Site Name: KC Kwik Stop

Data Collection Date: March 14, 2006

Name of Person Who Collected Data: Scott Hunke

Organization Name: Coteau Environmental

Organization Type: Consultant

Part 2. Site Location (use one of the three spatial data reporting formats provided)

Point Description: Site Location

Collection Method: Global Positioning System (GPS)

Datum (circle/highlight): WGS84 ~~NAD83~~

1) Longitude (dd mm ss.ss): N 45°30'03"

Latitude (dd mm ss.ss): W 095°07'39"

2) Longitude (dd.ddddd):

Latitude (dd.ddddd):

3) UTM - X (Easting):

UTM - Y (Northing):

UTM Zone:

Part 3. Other Site Features

Point Description: Center of UST #1

Collection Method: GPS

Datum (circle/highlight): WGS84 NAD83

1) Longitude (dd mm ss.ss): N 45°30'03"

Latitude (dd mm ss.ss): W 095°07'41"

2) Longitude (dd.dddddd):

Latitude (dd.dddddd):

3) UTM - X (Easting):

UTM - Y (Northing):

UTM Zone:

Point Description: Center of UST #2

Collection Method: GPS

Datum (circle/highlight): WGS84 NAD83

1) Longitude (dd mm ss.ss): N 45°30'03"

Latitude (dd mm ss.ss): W 095°07'39"

2) Longitude (dd.dddddd):

Latitude (dd.dddddd):

3) UTM - X (Easting):

UTM - Y (Northing):

UTM Zone:

Point Description: MW-01

Collection Method: GPS

Datum (circle/highlight): WGS84 NAD83

1) Longitude (dd mm ss.ss): N 45°30'03"

Latitude (dd mm ss.ss): W 095°07'41"

2) Longitude (dd.dddddd):

Latitude (dd.dddddd):

3) UTM - X (Easting):

UTM - Y (Northing):

UTM Zone:

Point Description: MW-02

Collection Method: GPS

Datum (circle/highlight): WGS84 NAD83

1) Longitude (dd mm ss.ss): N 45°30'04"

Latitude (dd mm ss.ss): W 095°07'39"

2) Longitude (dd.dddddd):

Latitude (dd.dddddd):

3) UTM - X (Easting):

UTM - Y (Northing):

UTM Zone:

Point Description: MW-03

Collection Method: GPS

Datum (circle/highlight): WGS84 NAD83

1) Longitude (dd mm ss.ss): N 45°30'03"

Latitude (dd mm ss.ss): W 095°07'38"

2) Longitude (dd.dddddd):

Latitude (dd.dddddd):

3) UTM - X (Easting):

UTM - Y (Northing):

UTM Zone:

Point Description: MW-04

Collection Method: GPS

Datum (circle/highlight): WGS84 NAD83

1) Longitude (dd mm ss.ss): N 45°30'02"

2) Longitude (dd.ddddd):

3) UTM - X (Easting):

UTM Zone:

Latitude (dd mm ss.ss): W 095°07'39"

Latitude (dd.ddddd):

UTM - Y (Northing):

Point Description: MW-05

Collection Method: GPS

Datum (circle/highlight): WGS84 NAD83

1) Longitude (dd mm ss.ss): N 45°30'03"

2) Longitude (dd.ddddd):

3) UTM - X (Easting):

UTM Zone:

Latitude (dd mm ss.ss): W 095°07'39"

Latitude (dd.ddddd):

UTM - Y (Northing):

Point Description: MW-06

Collection Method: GPS

Datum (circle/highlight): WGS84 NAD83

1) Longitude (dd mm ss.ss): N 45°30'03"

2) Longitude (dd.ddddd):

3) UTM - X (Easting):

UTM Zone:

Latitude (dd mm ss.ss): W 095°07'36"

Latitude (dd.ddddd):

UTM - Y (Northing):

