Annual Monitoring Report

Former K-C Kwik Stop
Brooten, Minnesota

January 16, 2008
Section 1 of 2

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: January 16, 2008

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.

Fluid levels were measured in all monitor wells on February 5, May 8, August 10 and November 1, 2007. Based on fluid levels measured in the monitor wells on February 5, May 8, August 10 and November 1, 2007, 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 3A, 3B, 3C and 3D. Historical ground water elevations are illustrated on Figure 4.

Ground water samples were collected for laboratory analysis from monitor wells MW-3, MW-4, MW-5 and MW-6 on February 5, May 8, August 10 and November 1, 2007. 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 5, May 8, August 10 and November 1, 2007 were below the Health Risk Limit (HRL) for these constituents. Total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) was detected in monitor well MW-3 on February 5 and May 8, 2007 at concentrations of 532 and 180 parts per billion (ppb), respectively. TPH as GRO was detected in monitor well MW-4 on February 5, May 8 and August 10, 2007 at concentrations of 150, 126 and 237 ppb, respectively. Benzene was detected in MW-5 on February 5, May 8, August 10 and November 1, 2007 at concentrations of 582, 413, 784 and 760 ppb, respectively. Toluene was detected in MW-5 on February 5, May 8, August 10 and November 1, 2007 at concentrations of 9,870, 5,060, 11,500 and 10,200 ppb, respectively. Ethyl benzene was detected in MW-5 on February 5, August 10 and November 1, 2007 at concentrations of 1,400, 1,620 and 1,370 ppb, respectively. TPH as GRO was detected in monitor well MW-5 on February 5, May 8, August 10 and November 1, 2007 at concentrations of 26,700, 12,100, 28,200 and 28,500 ppb, respectively. These concentrations of benzene, toluene and ethyl benzene are above the HRL's of 10, 1,000 and 700 ppb, respectively. Historic fluctuations in benzene and TPH as GRO concentrations are shown on Figures 5 and 6, 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.

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.

Indoor Air samples were collected from the basement of 110 South Western Avenue on February 6, May 8, August 10 and November 2, 2007. On August 10, 2007 a crawl space sample and on August 16, 2007 a bedroom air sample was collected from 110 South Western Avenue. Additionally, on November 2 and 8, 2007, a basement Indoor Air and a

sub-slab air sample were collected from 111 South Western Avenue, respectively. The samples were collected utilizing a Summa canister sampler for laboratory analysis of VOC's using TO-15 analysis methodology.

Benzene was detected in the Indoor Air sample of the basement of 110 South Western Avenue on February 6, 2007 at a concentration of 1.5 milligrams per cubic meter (ug/m^3). Additionally, benzene was detected in the crawl space of 110 South Western Avenue residence on August 10, 2007 at a concentration of 26.1 ug/m^3. These concentrations of benzene are above the Minnesota Department of Health (MDH) Chronic HRV of 1.3 to 4.5. Toluene was detected in crawl space on August 10, 2007 at a concentration of 2,110 ug/m^3. This concentration of toluene is above the MDH Chronic HRV of 400. 1,2,4-Trimethylbenzene was detected in the crawl space on August 10, 2007 at a concentration of 120 ug/m^3. This concentration of 1,2,4-Trimethylbenzene is above the EPA Reference Concentration of 6. 1,3,5-Trimethylbenzene was detected in the crawl space on August 10, 2007 at a concentration of 27.3 ug/m^3. This concentration of 1,3,5-Trimethylbenzene is above the EPA Reference Concentration of 6. Methylene Chloride was detected in the Indoor Air sample on August 10, 2007 at a concentration of 30.8 ug/m^3. This concentration of Methylene Chloride is above the MDH Chronic HRV of 20. 1,2-Dichloroethane was detected in the Indoor Air sample and crawl space on August 10, 2007 at concentrations of 6.8 and 4.2 ug/m^3, respectively. These concentrations of 1,2-Dichloroethane are above the MDH Interim Screening Concentration (ISC) of 0.38. Benzene and 1,2,4-Trimethylbenzene were detected in the sub-slab of 111 South Western Avenue on November 8, 2007 at concentrations of 2.2 and 12.8 ug/m^3, respectively. These concentrations of benzene are above the MDH Chronic HRV of 1.3 to 4.5 and the above the EPA Reference Concentration of 6 for 1,2,4-Trimethylbenzene. The air samples were accompanied by a chain-of-custody and submitted to Pace Analytical Services, Inc. of Minneapolis, Minnesota for laboratory analysis of VOC's included in the Minnesota Soil Gas List. Laboratory analytical results for the air samples are included in Table 7.

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 quarterly 24 hour vapor monitoring in the basement of 110 and 111 South Western Avenue utilizing a Summa canister sampling for laboratory analysis of

VOC's using TO-15 analysis methodology. Coteau recommends sealing the cement basement floor of 111 South Western Avenue and installing an active radon system to mitigate petroleum vapors sub-slab. This recommendation is based on the results of the vapor intrusion borings completed on February 24, 2006 and the Indoor Air and sub-slab samples completed on November 2 and 11, 2007, respectively 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 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 bland 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		1/16/2008
Nathan T. Hunke, P.G., M.S. Senior Hydrogeologist		1/16/2008

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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

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	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-1	2/5/07	12.13	0.0	12.01	87.87	No
MW-1	5/8/07	10.33	0.0	10.21	89.67	No
MW-1	8/10/07	11.53	0.0	11.41	88.47	No
MW-1	11/1/07	10.09	0.0	9.97	89.91	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-2	2/5/07	14.79	0.0	12.00	87.67	No
MW-2	5/8/07	13.02	0.0	10.23	89.44	No
MW-2	8/10/07	14.20	0.0	11.41	88.26	No
MW-2	11/1/07	12.77	0.0	9.98	89.69	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
MW-3	2/5/07	15.05	0.0	12.16	87.53	No
MW-3	5/8/07	13.31	0.0	10.42	89.27	No
MW-3	8/10/07	14.48	0.0	11.59	88.10	No
MW-3	11/1/07	13.07	0.0	10.18	89.51	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-4	2/5/07	15.18	0.0	12.44	87.55	No
MW-4	5/8/07	13.46	0.0	10.72	89.27	No
MW-4	8/10/07	11.40	0.0	8.66	91.33	No
MW-4	11/1/07	13.21	0.0	10.47	89.52	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-5	2/5/07	12.01	0.0	11.94	87.63	No
MW-5	5/8/07	10.23	0.0	10.16	89.41	No
MW-5	8/10/07	14.59	0.0	14.52	85.05	No
MW-5	11/1/07	9.99	0.0	9.92	89.65	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

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-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
MW-6	2/5/07	12.52	0.0	12.50	87.24	No
MW-6	5/8/07	10.87	0.0	10.85	88.89	No
MW-6	8/10/07	11.92	0.0	11.90	87.84	No
MW-6	11/1/07	10.62	0.0	10.60	89.14	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	NS	F
MW-1	11/4/03	<1.0	<1.0	<1.0	<1.0	NA	<100.0	NS	F
MW-1	2/9/04	<0.50	<0.50	<0.50	<1.0	<5.0	<100.0	NS	F
MW-1	5/11/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NS	F
MW-1	8/2/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NS	F
MW-1	11/3/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NS	F
MW-1	2/1/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NS	F
MW-1	5/5/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NS	F
MW-1	8/6/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NS	F
MW-1	11/9/05	NS	NS	NS	NS	NS	NS	NS	F
MW-1	2/1/06	NS	NS	NS	NS	NS	NS	NS	F
MW-1	5/4/06	NS	NS	NS	NS	NS	NS	NS	F
MW-1	8/21/06	NS	NS	NS	NS	NS	NS	NS	F
MW-1	11/7/06	NS	NS	NS	NS	NS	NS	NS	F
MW-1	2/5/07	NS	NS	NS	NS	NS	NS	NS	F
MW-1	5/8/07	NS	NS	NS	NS	NS	NS	NS	F
MW-1	8/10/07	NS	NS	NS	NS	NS	NS	NS	F
MW-1	11/1/07	NS	NS	NS	NS	NS	NS	NS	F
MW-2	8/14/03	<1.0	<1.0	<1.0	<1.0	NA	<100.0	NS	F
MW-2	11/4/03	<1.0	<1.0	<1.0	<1.0	NA	<100.0	NS	F
MW-2	2/9/04	<0.50	<0.50	<0.50	<1.0	<5.0	<100.0	NS	F
MW-2	5/11/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NS	F
MW-2	8/2/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NS	F
MW-2	11/3/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NS	F
MW-2	2/1/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NS	F
MW-2	5/5/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NS	F
MW-2	8/6/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NS	F
MW-2	11/9/05	NS	NS	NS	NS	NS	NS	NS	F
MW-2	2/1/06	NS	NS	NS	NS	NS	NS	NS	F
MW-2	5/4/06	NS	NS	NS	NS	NS	NS	NS	F
MW-2	8/21/06	NS	NS	NS	NS	NS	NS	NS	F
MW-2	11/7/06	NS	NS	NS	NS	NS	NS	NS	F
MW-2	2/5/07	NS	NS	NS	NS	NS	NS	NS	F
MW-2	5/8/07	NS	NS	NS	NS	NS	NS	NS	F
MW-2	8/10/07	NS	NS	NS	NS	NS	NS	NS	F
MW-2	11/1/07	NS	NS	NS	NS	NS	NS	NS	F
MW-3	8/14/03	29.0	22.0	211.0	444.0	NA	2,171.0	NS	F
MW-3	11/4/03	38.0	13.0	110.0	175.0	NA	837.0	NS	F
MW-3	2/9/04	4.0	180	350	820	<5.0	2,500	NS	F
MW-3	5/11/04	<25.0	<25.0	190	170	<25.0	970	NS	F

Table 3
Analytical Results of Water Samples

Well #	Date	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	GRO	DRO	Lab Type
MW-3	8/2/04	<0.50	<5.0	51	<10.0	<5.0	260	NS	F
MW-3	11/3/04	<10.0	12	210	124	<10.0	740	NS	F
MW-3	2/1/05	<1.0	2.1	150	6.0	<1.0	760	NS	F
MW-3	5/5/05	<1.0	29	130	98	<1.0	650	NS	F
MW-3	8/6/05	<1.0	<1.0	13	<3.0	<1.0	<100	NS	F
MW-3	11/9/05	<1.0	1.4	22.1	<3.0	NA	<100	NS	F
MW-3	2/1/06	<1.0	58.2	79.0	152	NA	419	NS	F
MW-3	5/4/06	3.9	124	154	401	NA	1,800	NS	F
MW-3	8/21/06	5.8	15.6	54.8	5.1	NA	197	NS	F
MW-3	11/7/06	2.2	3.5	60.3	84	NA	396	NS	F
MW-3	2/5/07	2.9	3.5	166	8.6	NA	532	NS	F
MW-3	5/8/07	1.1	<1.0	15.2	7.2	NA	180	NS	F
MW-3	8/10/07	<1.0	1.3	4.8	5.1	NA	<100	NS	F
MW-3	11/1/07	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
MW-4	8/14/03	<1.0	<1.0	<1.0	<1.0	NA	147.0	NS	F
MW-4	11/4/03	8.0	<1.0	3.0	<1.0	NA	418.0	NS	F
MW-4	2/9/04	2.2	0.58	3.1	2.4	<5.0	380	NS	F
MW-4	5/11/04	5.4	<0.50	8.7	5.1	0.50	690	NS	F
MW-4	8/2/04	<0.50	<0.50	5.9	10.3	<0.50	710	NS	F
MW-4	11/3/04	2.9	<0.50	18	6.0	<5.0	640	NS	F
MW-4	2/1/05	<1.0	<1.0	22	44	<1.0	880	NS	F
MW-4	5/5/05	<1.0	<1.0	16	24.8	<1.0	380	NS	F
MW-4	8/6/05	<1.0	<1.0	8.3	4.6	<1.0	320	NS	F
MW-4	11/9/05	<1.0	<1.0	<1.0	<3.0	NA	107	NS	F
MW-4	2/1/06	<1.0	3.5	2.3	<3.0	NA	163	NS	F
MW-4	5/4/06	<1.0	3.4	1.8	<3.0	NA	156	NS	F
MW-4	8/21/06	<1.0	3.0	<1.0	<3.0	NA	104	NS	F
MW-4	11/7/06	<1.0	2.5	1.8	<3.0	NA	324	NS	F
MW-4	2/5/07	<1.0	1.7	<1.0	<3.0	NA	150	NS	F
MW-4	5/8/07	<1.0	1.1	1.1	6.1	NA	126	NS	F
MW-4	8/10/07	<1.0	2.7	3.9	<3.0	NA	237	NS	F
MW-4	11/1/07	<1.0	1.7	<1.0	<3.0	NA	<100	NS	F
MW-5	8/14/03	900.0	719.0	22.0	3,075.0	NA	21,505.0	NS	F
MW-5	11/4/03	2,313.0	16,671.0	1,740.0	8,035.0	NA	38,200.0	NS	F
MW-5	2/9/04	1,600	7,800	1,400	5,600	<250	33,000	NS	F
MW-5	5/11/04	1,100	9,300	1,100	4,500	<250	27,000	NS	F
MW-5	8/2/04	1,300	8,800	870	3,800	<250	26,000	NS	F
MW-5	11/3/04	960	6,900	910	3,590	<250	19,000	NS	F
MW-5	2/1/05	1,100	11,000	1,200	5,200	<1.0	25,000	NS	F
MW-5	5/5/05	2,400	20,000	2,200	9,600	<20	49,000	NS	F
MW-5	8/6/05	3,900	31,000	3,000	13,100	<1.0	42,000	NS	F

Table 3
Analytical Results of Water Samples

Well #	Date	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	GRO	DRO	Lab Type
MW-5	11/9/05	2,170	14,300	1,550	7,450	NA	42,200	NS	F
MW-5	2/1/06	1,280	16,200	570	2,810	NA	15,700	NS	F
MW-5	5/4/06	1,810	16,600	1,520	7,680	NA	34,800	NS	F
MW-5	8/21/06	2,440	20,900	2,040	9,370	NA	45,100	NS	F
MW-5	11/7/06	1,090	12,500	1,450	6,450	NA	32,200	NS	F
MW-5	2/5/07	582	9,870	1,400	5,620	NA	26,700	NS	F
MW-5	5/8/07	413	5,060	622	2,910	NA	12,100	NS	F
MW-5	8/10/07	784	11,500	1,620	6,300	NA	28,200	NS	F
MW-5	11/1/07	760	10,200	1,370	6,010	NA	28,500	NS	F
MW-6	8/14/03	<1.0	<1.0	<1.0	<1.0	NA	<100.0	NS	F
MW-6	11/4/03	<1.0	<1.0	<1.0	<1.0	NA	<100.0	NS	F
MW-6	2/9/04	<0.50	<0.50	<0.50	<1.0	<5.0	<100.0	NS	F
MW-6	5/11/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NS	F
MW-6	8/2/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NS	F
MW-6	11/3/04	<0.50	<0.50	<0.50	<1.0	<0.50	<100.0	NS	F
MW-6	2/1/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NS	F
MW-6	5/5/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NS	F
MW-6	8/6/05	<1.0	<1.0	<1.0	<3.0	<1.0	<100	NS	F
MW-6	11/9/05	<1.0	<1.0	<1.0	<3.0	NA	109	NS	F
MW-6	2/1/06	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
MW-6	5/4/06	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
MW-6	8/21/06	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
MW-6	11/7/06	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
MW-6	2/5/07	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
MW-6	5/8/07	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
MW-6	8/10/07	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
MW-6	11/1/07	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
Trip Blank	8/14/03	<1.0	<1.0	<1.0	<1.0	NA	NA	NS	F
Trip Blank	11/4/03	<1.0	<1.0	<1.0	<1.0	NA	NA	NS	F
Trip Blank	2/9/04	<0.50	<0.50	<0.50	<1.0	NA	NA	NS	F
Trip Blank	5/11/04	<1.0	<1.0	<1.0	<3.0	NA	NA	NS	F
Trip Blank	8/2/04	<1.0	<1.0	<1.0	<3.0	NA	NA	NS	F
Trip Blank	11/3/04	<0.50	<0.50	<0.50	<1.0	NA	NA	NS	F
Trip Blank	2/1/05	<1.0	<1.0	<1.0	<3.0	NA	NA	NS	F
Trip Blank	5/5/05	<1.0	<1.0	<1.0	<3.0	NA	NA	NS	F
Trip Blank	8/6/05	<1.0	<1.0	<1.0	<3.0	NA	NA	NS	F

Table 3
Analytical Results of Water Samples

Well #	Date	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	GRO	DRO	Lab Type
Trip Blank	11/9/05	<1.0	<1.0	<1.0	<3.0	NA	NA	NS	F
Trip Blank	2/1/06	<1.0	<1.0	<1.0	<3.0	NA	NA	NS	F
Trip Blank	5/4/06	<1.0	<1.0	<1.0	<3.0	NA	NA	NS	F
Trip Blank	8/21/06	<1.0	<1.0	<1.0	<3.0	NA	NA	NS	F
Trip Blank	11/7/06	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
Trip Blank	2/5/07	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
Trip Blank	5/8/07	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
Trip Blank	8/10/07	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
Trip Blank	11/1/07	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
Field Duplicate	8/14/03	1,507.0	4,309.0	147.0	5,072.0	NA	22,900.0	NS	F
Field Duplicate	11/4/03	<1.0	<1.0	<1.0	<1.0	NA	<100.0	NS	F
Field Duplicate	2/9/04	<0.50	<0.50	<0.50	<1.0	NA	<100.0	NS	F
Field Duplicate	5/11/04	<1.0	<1.0	<1.0	<3.0	NA	<100.0	NS	F
Field Duplicate	8/2/04	1,200	9,300	840	3,700	NA	29,000	NS	F
Field Duplicate	11/3/04	1,000	7,800	980	4,100	<10.0	21,000	NS	F
Field Duplicate	2/1/05	890	9,400	1,100	4,200	NA	23,000	NS	F
Field Duplicate	5/5/05	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
Field Duplicate	8/6/05	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
Field Blank	11/9/05	<1.0	1.1	<1.0	<3.0	NA	<100	NS	F
Field Blank	2/1/06	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
Field Blank	5/4/06	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
Field Blank	8/21/06	<1.0	<1.0	<1.0	<3.0	NA	<100	NS	F
Field Duplicate	11/7/06	947	11,300	1,340	5,950	NA	29,400	NS	F
Field Duplicate	2/5/07	525	9,250	1,330	5,350	NA	26,100	NS	F
Field Duplicate	5/8/07	663	8,040	1,020	4,540	NA	19,100	NS	F

Table 3
Analytical Results of Water Samples

Well #	Date	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	GRO	DRO	Lab Type
Field Duplicate	8/10/07	589	9,140	1,320	5,080	NA	22,900	NS	F
Field Duplicate	11/1/07	724	9,180	1,270	5,660	NA	26,600	NS	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 benezene	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

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 benezene	Naphthalene	Tert-Butyl benzene	p-isopropyl toluene	Methylene chloride
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
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_2S, 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
SSB = Storm Sewer Basin
NS = No Sample
T = Top
M = Middle
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.

PID reading was 650 in basement in Feb 06

Table 7
Soil and Indoor Air Vapor Intrusion Laboratory Analytical Results

Boring Number	Date Sampled	Acetone	Benzene	2-Butanone	Chloromethane	Dibromachloromethane	Ethyl benzene	4-Ethyltoluene	n-Heptane
SV-1	11/9/05	36	8.12	7.2	ND	ND	16.3	13.5	4.17
110 Basement	12/17/05	38.6	ND	4.5	ND	ND	ND	ND	ND
110 Basement	3/14/06	33.0	ND	ND	ND	ND	133	ND	ND
110 Basement	8/22/06	153	3.7	11.4	1.1	ND	6.9	8.9	ND
110 Basement	11/8/06	78.1	3.0	12.8	ND	ND	5.4	ND	2.9
110 Basement	2/6/07	19.0	1.5	1.4	0.81	ND	2.4	ND	ND
110 Basement	5/8/07	64.4	ND	4.8	ND	ND	7.5	ND	1.3
110 Basement	8/10/07	74.9	ND	10.3	ND	ND	10.4	ND	ND
110 Basement	11/2/07	103	ND	3.1	ND	ND	6.4	ND	ND
110 Bedroom	8/16/07	54.6	ND	4.7	ND	ND	4.8	ND	ND
110 Crawl Space	8/10/07	23.4	26.1	63.7	2.0	ND	60.5	29.7	56.4
111 Basement	11/2/07	15.0	0.95	6.1	ND	ND	ND	ND	ND
111 Sub-Slab	11/8/07	54.8	2.2	75.3	ND	ND	3.4	5.5	2.8
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
110 Basement	12/17/05	ND	ND	ND	ND	ND	15.7	ND	ND
110 Basement	3/14/06	ND	ND	ND	ND	ND	16.8	21.6	ND
110 Basement	8/22/06	5.4	25.6	2.4	16.4	2.8	28.2	ND	22.4
110 Basement	11/8/06	2.3	ND	ND	ND	ND	46.8	ND	5.2
110 Basement	2/6/07	ND	3.6	ND	ND	ND	4.3	ND	ND
110 Basement	5/8/07	ND	15.4	ND	ND	ND	11.5	ND	ND
110 Basement	8/10/07	ND	30.8	ND	ND	ND	21.9	ND	ND
110 Basement	11/2/07	ND	8.4	ND	ND	2.9	9.7	ND	ND
110 Bedroom	8/16/07	ND	6.4	ND	ND	ND	14.0	ND	ND
110 Crawl Space	8/10/07	29.2	7.1	ND	ND	ND	2,110	ND	120
111 Basement	11/2/07	ND	ND	ND	ND	ND	5.4	ND	ND
111 Sub-Slab	11/8/07	ND	ND	ND	7.5	ND	10.2	ND	12.8
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
110 Basement	12/17/05	ND	ND	11	ND	477	ND	ND	ND
110 Basement	3/14/06	ND	ND	509.1	ND	NS	ND	ND	ND
110 Basement	8/22/06	6.1	ND	36.1	ND	NS	1.8	ND	ND
110 Basement	11/8/06	ND	ND	24.9	ND	NS	ND	16.3	1.7
110 Basement	2/6/07	ND	ND	9.6	ND	NS	ND	ND	ND
110 Basement	5/8/07	ND	ND	29.4	ND	NS	ND	0.93	ND
110 Basement	8/10/07	ND	6.8	37.5	ND	NS	ND	ND	ND
110 Basement	11/2/07	ND	2.4	22.0	ND	NS	ND	ND	ND
110 Bedroom	8/16/07	ND	ND	17.7	ND	NS	ND	ND	ND
110 Crawl Space	8/10/07	27.3	4.2	303.4	6.5	NS	ND	ND	ND
111 Basement	11/2/07	ND	ND	ND	ND	NS	ND	16.3	ND
111 Sub-Slab	11/8/07	ND	ND	17.3	1.2	NS	ND	94.4	ND
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	NDN	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 Dichloro benzene	Dichlorodifluoro methane	Cycloh exane	Propylene	Ethyl Acetate	Vinyl acetate	Ethanol	1,1-Dichloroe thane
SV-1	11/9/05	ND	ND	ND	ND	ND	ND		
110 Basement	12/17/05	ND	ND	ND	ND	ND	ND		
110 Basement	3/14/06	ND	ND	ND	ND	ND	ND		
110 Basement	8/22/06	ND	3.0	ND	ND	ND	ND		
110 Basement	11/8/06	9.9	2.5	ND	ND	5.3	ND		
110 Basement	2/6/07	ND	ND	ND	ND	1.3	ND		
110 Basement	5/8/07	ND	ND	ND	80.7	ND	1.8		
110 Basement	8/10/07	ND	ND	ND	ND	14.4	ND		
110 Basement	11/2/07	ND	2.1	ND	222	2.4	2.2	366	1.1
110 Bedroom	8/16/07	ND	ND	ND	ND	ND	3.3		
110 Crawl Space	8/10/07	ND	ND	22.0	ND	ND	ND		
111 Basement	11/2/07	ND	2.2	ND	38.6	ND	ND	5.8	ND
111 Sub-Slab	11/8/07	ND	2.3	ND	ND	ND	6.3	ND	ND
VB-1	2/24/06	ND	ND	753	146	ND	ND		
VB-2	2/24/06	ND	ND	ND	ND	ND	ND		
VB-3	2/24/06	ND	ND	ND	ND	ND	ND		
VB-4	2/24/06	ND	ND	ND	ND	ND	ND		
VB-5	2/27/06	ND	3.3	ND	28.7	ND	ND		
MDH Acute HRV (ug/m^3)		None	None	None	None	None	None	None	None
MDH Chronic HRV (ug/m^3)		None	None	None	None	None	None	None	None
EPA Reference Conc. (ug/m^3)		800	200	None	None	None	None	None	500
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	2-Propanol							
SV-1	11/9/05								
110 Basement	12/17/05								
110 Basement	3/14/06								
110 Basement	8/22/06								
110 Basement	11/8/06								
110 Basement	2/6/07								
110 Basement	5/8/07								
110 Basement	8/10/07								
110 Basement	11/2/07	205							
110 Bedroom	8/16/07								
110 Crawl Space	8/10/07								
111 Basement	11/2/07	ND							
111 Sub-Slab	11/8/07	ND							
VB-1	2/24/06								
VB-2	2/24/06								
VB-3	2/24/06								
VB-4	2/24/06								
VB-5	2/27/06								
MDH Acute HRV (ug/m^3)		None							
MDH Chronic HRV (ug/m^3)		None							
EPA Reference Conc. (ug/m^3)		None							
MDH ISC (ug/m^3)		None							

Results are reported in milligrams per cubic meter soil vapor (ug/m^3).
SV-1 sample was taken beneath the basement concrete floor of 110 South Western Avenue.
Indoor Air = Ambient air sample 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.

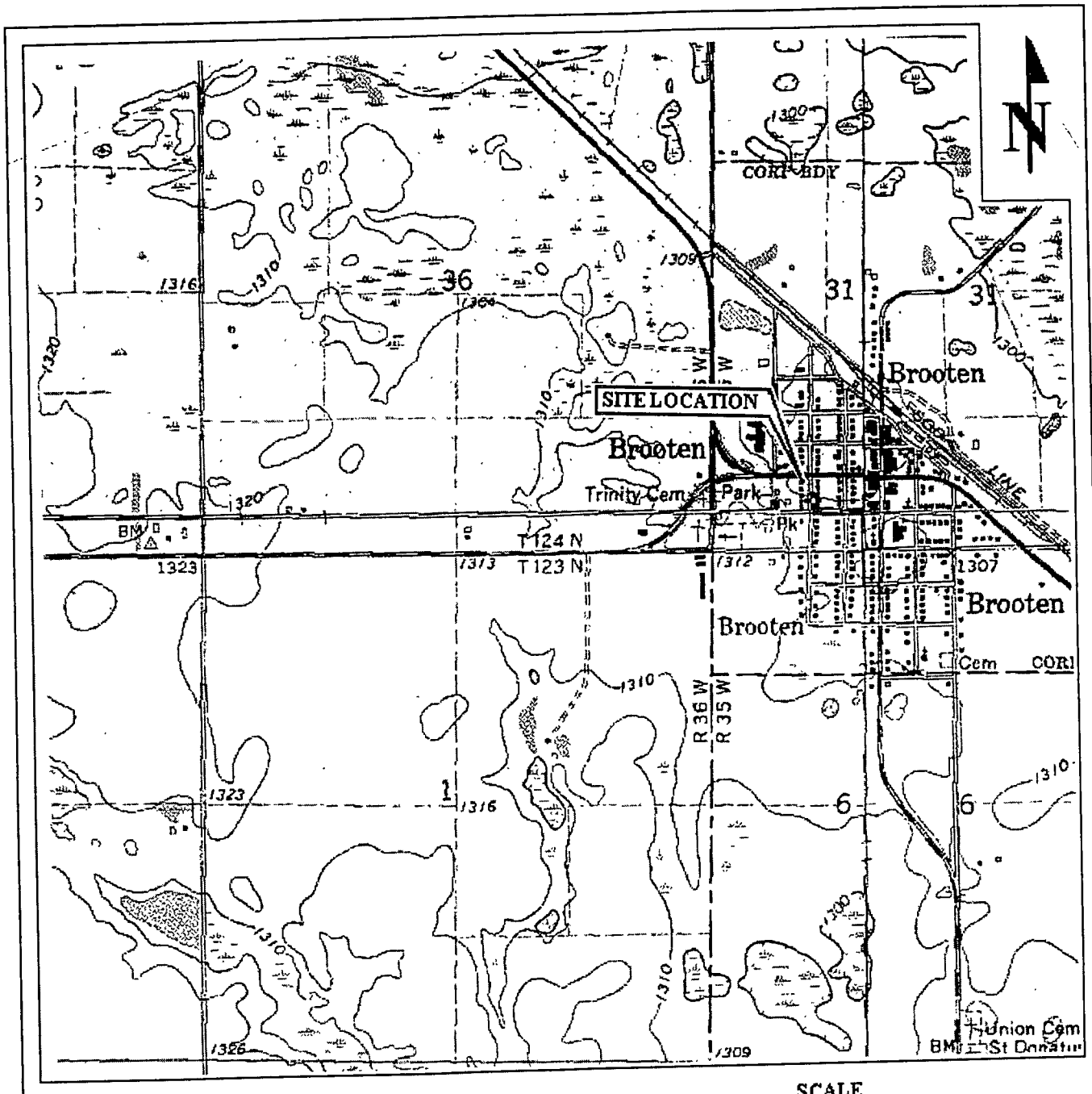
☐ *Appendix C* Field or sampling data sheets.

☐ *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/list_p.html
MPCA Intor. Request	http://www.pca.state.mn.us/about/inforequest.html
PetroFund Web Page	http://www.state.mn.us/cgi-bin/portal.pl?jsp:content.do?id=-53688:377&agency=Commerce
Petrol and Phone	**651-297-1119**, or **1-800-638-0418**
State Duty Officer	**651-649-5451 or 1-800-422-0798**

FIGURES



SCALE

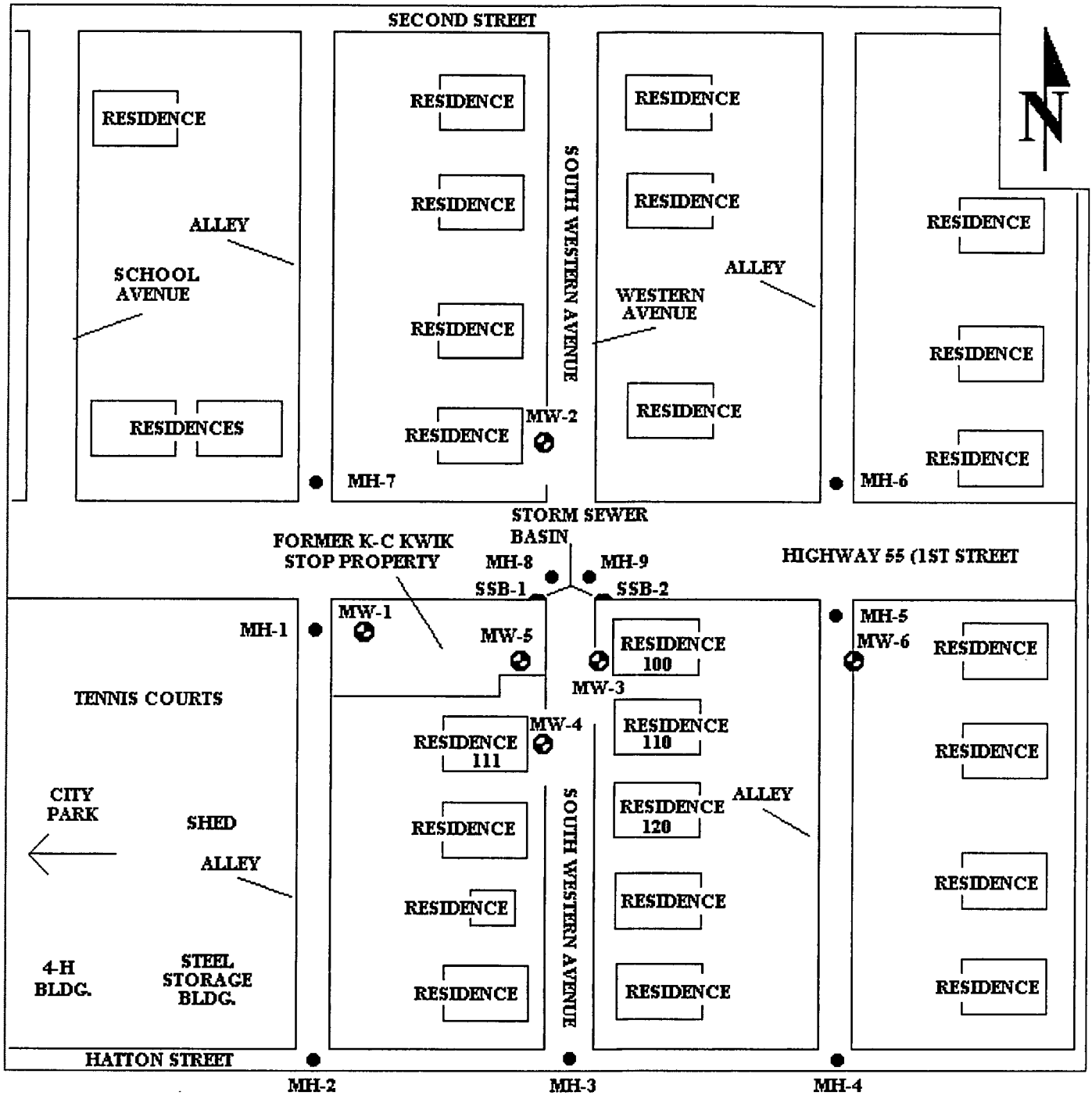
0 0.5 MILES

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



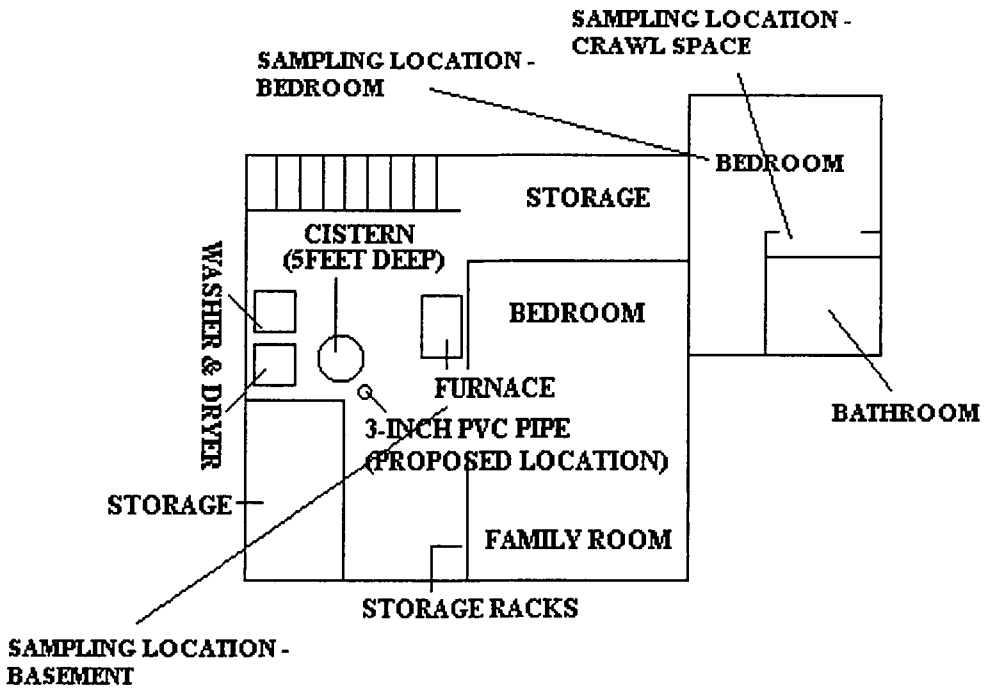
FORMER K-C KWIK STOP
BROOTEN, MINNESOTA

SITE MAP

DATE	REVISED

COTEAU ENVIRONMENTAL
728 JANES CIRCLE DR. SW
ALEXANDRIA, MN 56308
(320) 846-4668

DRAWN BY:	DATE: DEC 07	FIGURE: 2



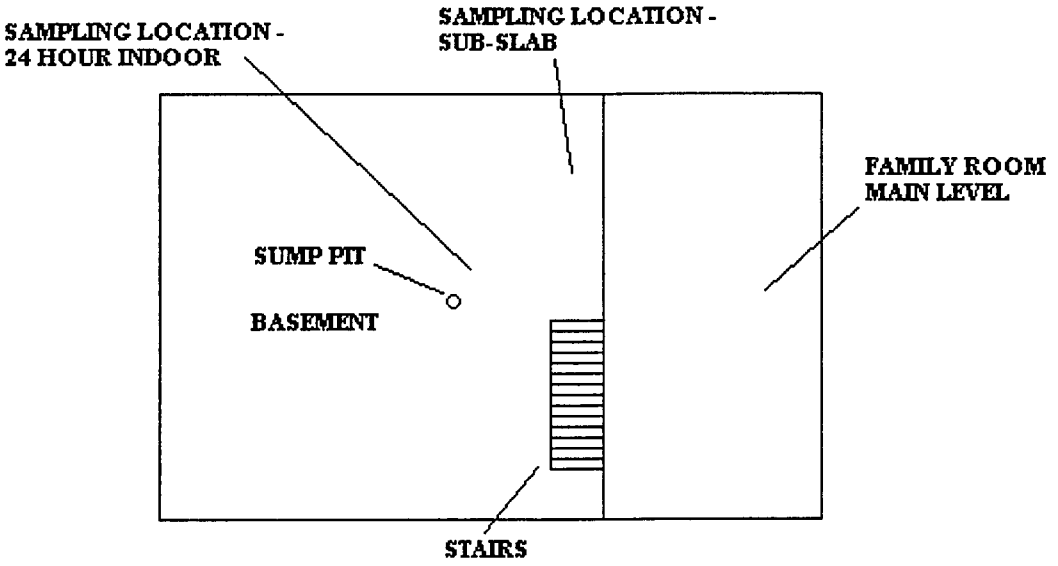
SCALE

0 5 10 FEET

FORMER K-C KWIK STOP
BROOTEN, MINNESOTA

BASEMENT - 110 WESTERN AVENUE
BROOTEN, MINNESOTA

DATE	REVISED	
		COTEAU ENVIRONMENTAL 728 JANES CIRCLE DRIVE ALEXANDRIA, MN 56308 (320) 846-4668
DRAWN BY:	DATE: JAN 08	FIGURE: 2A



NOT TO SCALE

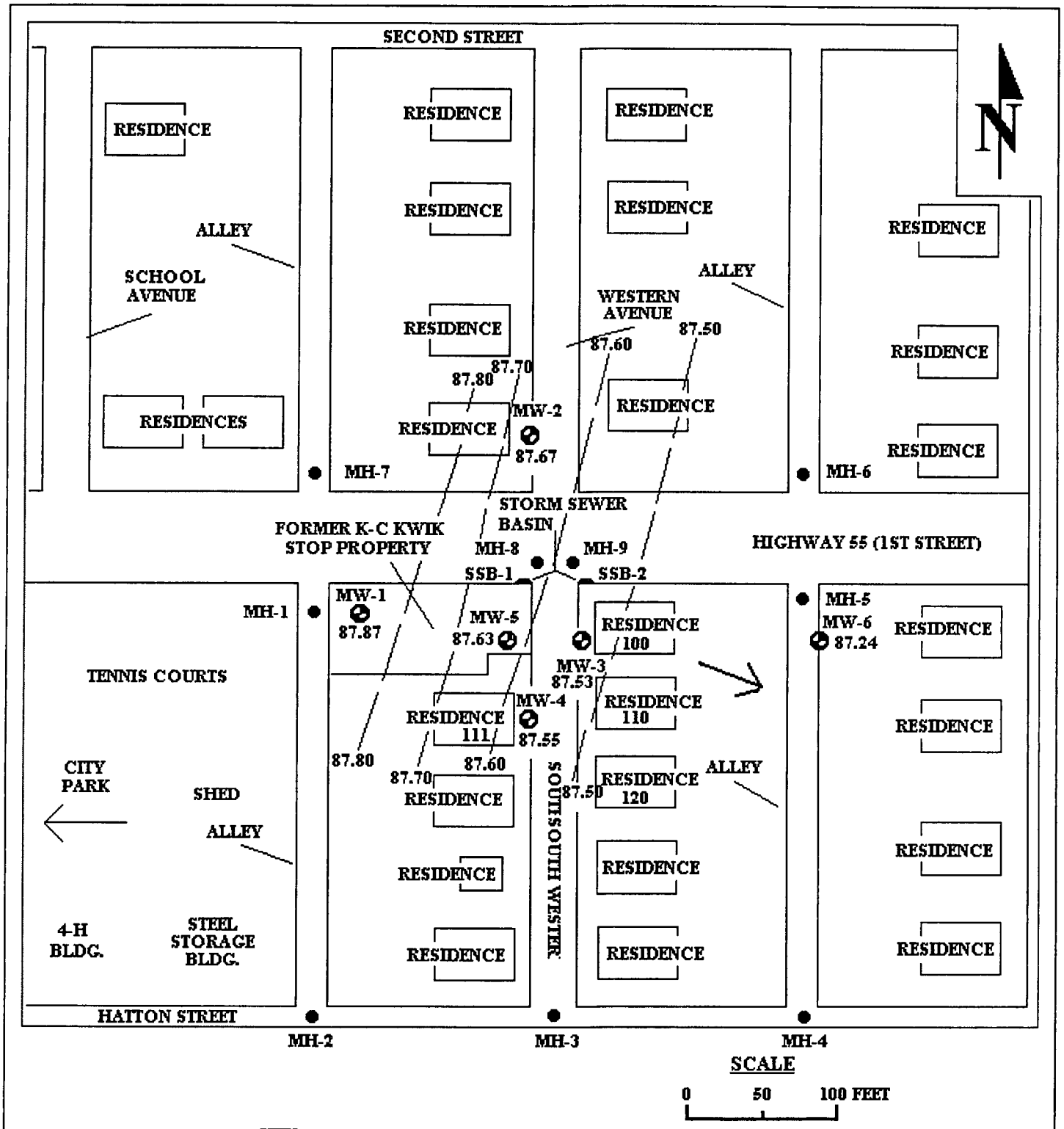
FORMER K-C KWIK STOP
BROOTEN, MINNESOTA

BASEMENT - 111 WESTERN AVENUE
BROOTEN, MINNESOTA

DATE	REVISED

COTEAU ENVIRONMENTAL
728 JANES CIRCLE DRIVE
ALEXANDRIA, MN 56308
(320) 846-4668

DRAWN BY:	DATE: JAN 08	FIGURE: 2B



KEY

MW-1 — MONITOR WELL LOCATION

MW-1 87.87 — GROUND WATER ELEVATION (FEET)

87.80 — GROUND WATER ELEVATION CONTOUR (APPROXIMATE)

GROUND WATER FLOW DIRECTION

MH-2 — MANHOLE LOCATION

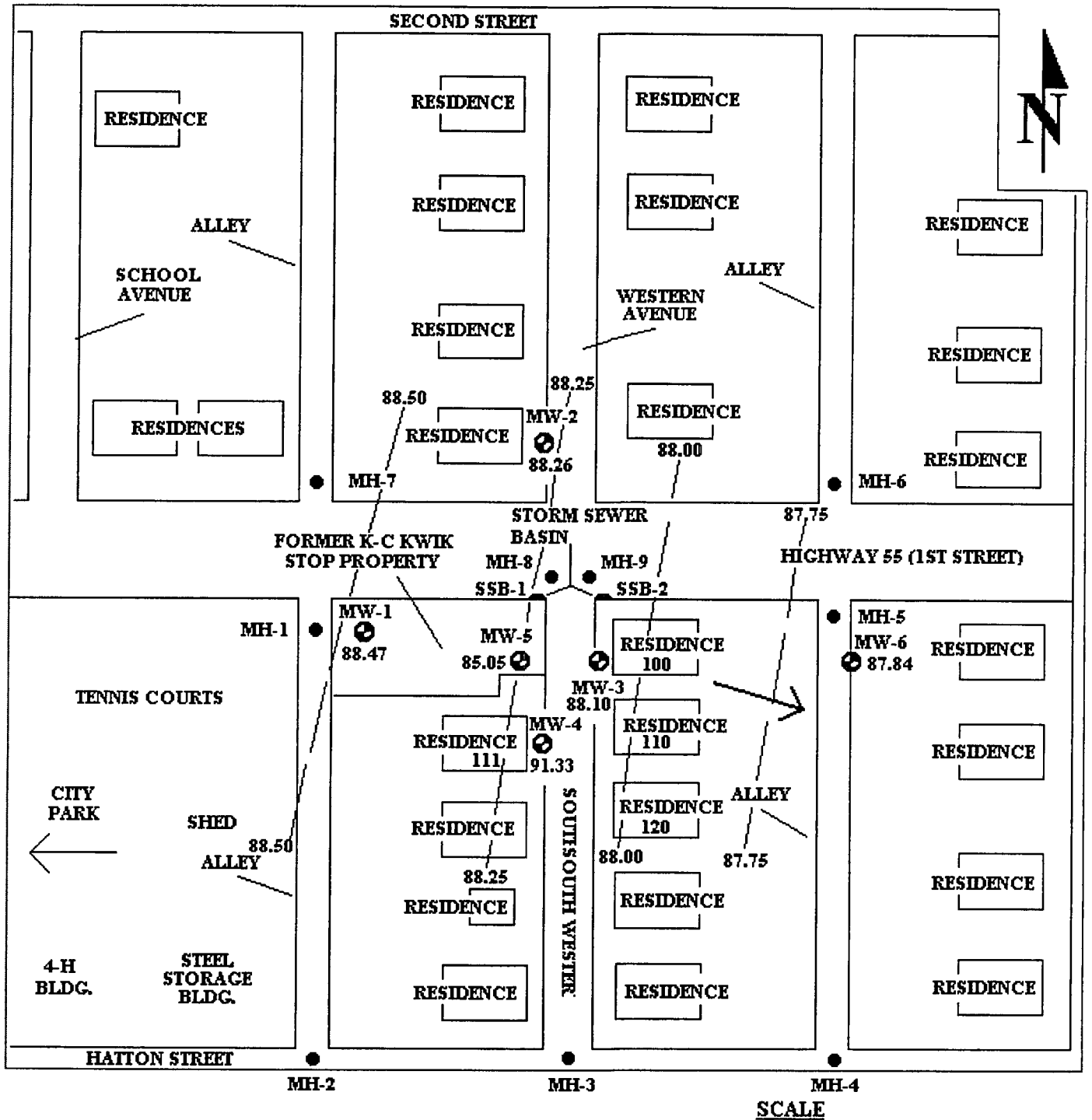
FORMER K-C KWIK STOP BROOTEN, MINNESOTA

GROUND WATER ELEVATIONS FEBRUARY 5, 2007

DATE	REVISED

COTEAU ENVIRONMENTAL
728 JANES CIRCLE DR. SW
ALEXANDRIA, MN 56308
(320) 846-4668

DRAWN BY:	DATE: DEC 07	FIGURE: 3A



KEY

MW-1 — MONITOR WELL LOCATION

MW-1 88.47 — GROUND WATER ELEVATION (FEET)

— 88.00 — GROUND WATER ELEVATION CONTOUR (APPROXIMATE)

GROUND WATER FLOW DIRECTION

MH-2 — MANHOLE LOCATION

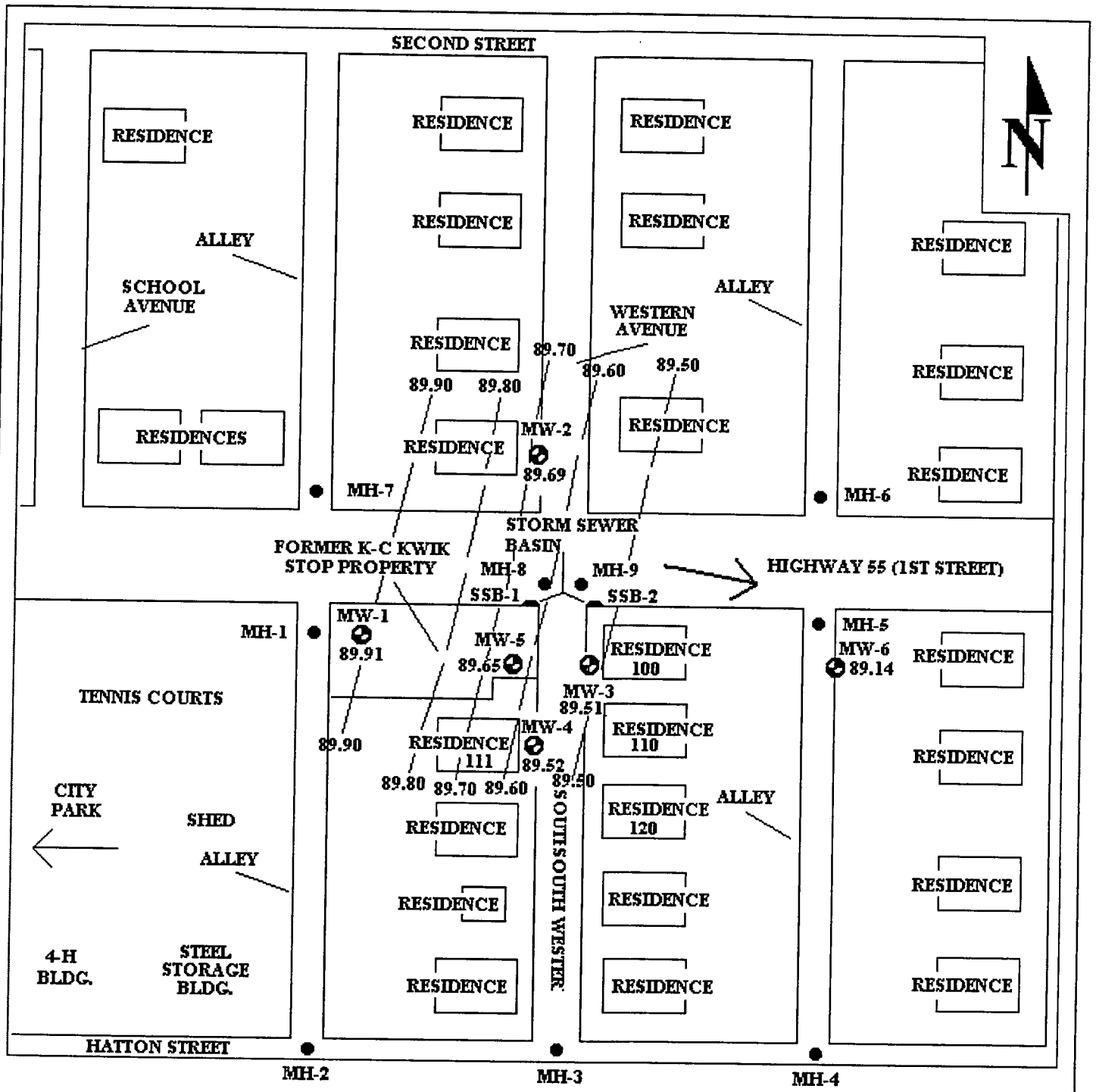
FORMER K-C KWIK STOP BROOTEN, MINNESOTA

GROUND WATER ELEVATIONS AUGUST 10, 2007

DATE	REVISED

COTEAU ENVIRONMENTAL
728 JANES CIRCLE DR. SW
ALEXANDRIA, MN 56308
(320) 846-4668

DRAWN BY: | DATE: DEC 07 | FIGURE: 3C



KEY

MW-1	MONITOR WELL LOCATION
MW-1 89.91	GROUND WATER ELEVATION (FEET)
89.50	GROUND WATER ELEVATION CONTOUR (APPROXIMATE)
	GROUND WATER FLOW DIRECTION
MH-2	MANHOLE LOCATION

FORMER K-C KWIK STOP
BROOTEN, MINNESOTA

GROUND WATER ELEVATIONS
NOVEMBER 1, 2007

DATE	REVISED

COTEAU ENVIRONMENTAL
728 JANES CIRCLE DR. SW
ALEXANDRIA, MN 56308
(320) 846-4668

DRAWN BY: | DATE: DEC 07 | FIGURE: 3D

FIGURE 4
KC KWIK STOP
BROOTEN, MINNESOTA
MONITOR WELL HYDROGRAPHS

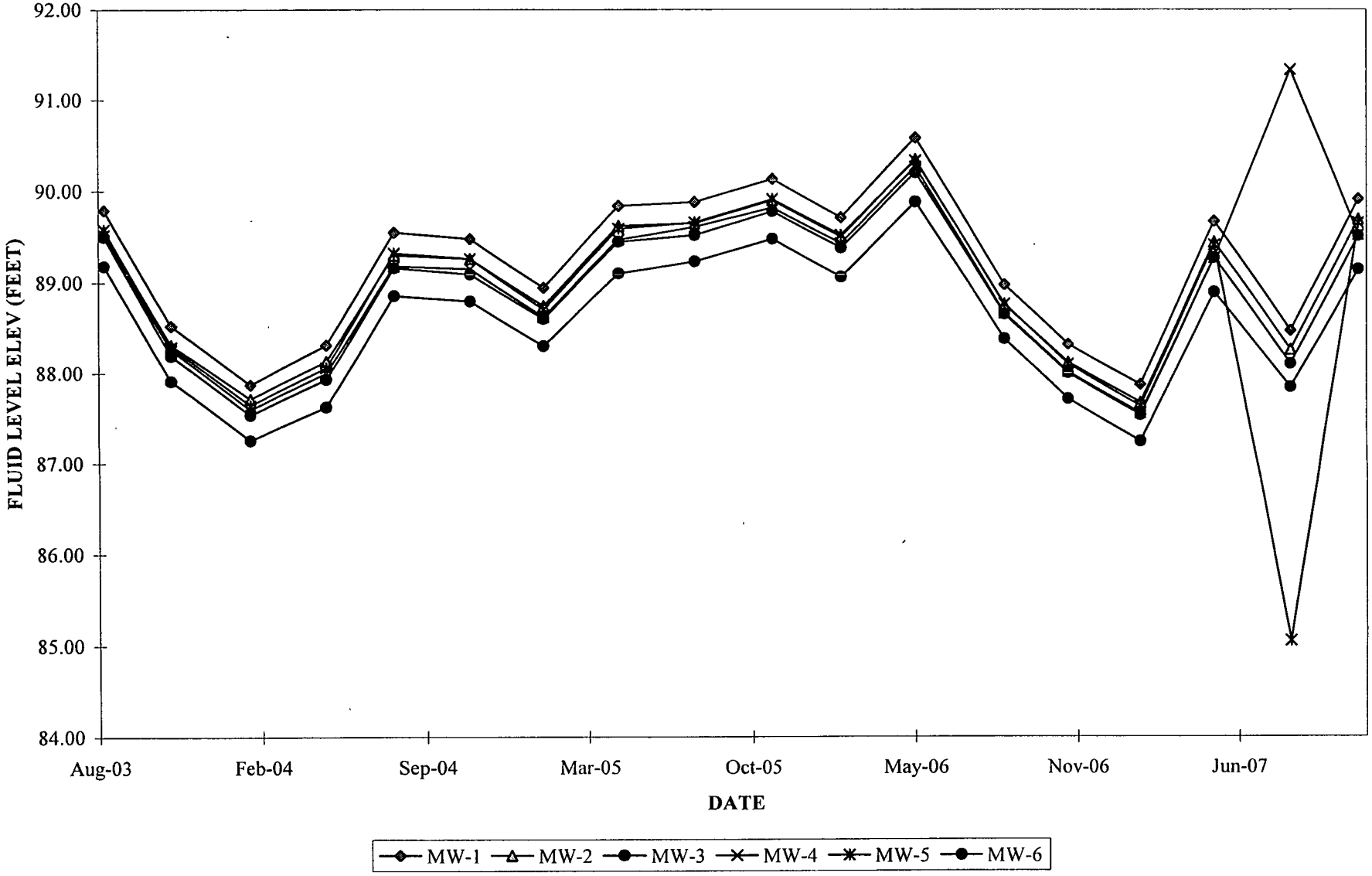


FIGURE 5
KC KWIK STOP
BROOTEN, MINNESOTA
BENZENE CONCENTRATION GRAPH

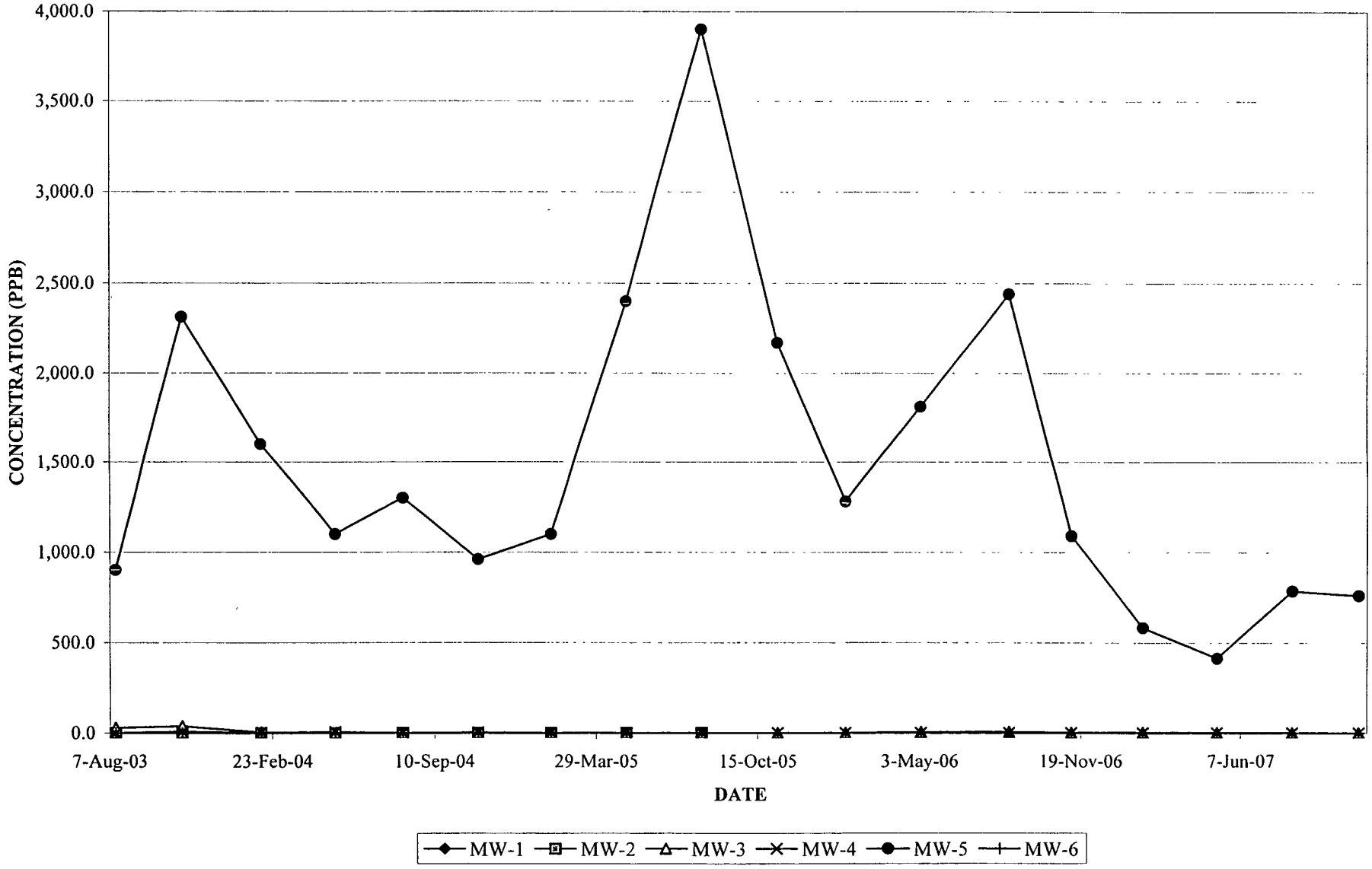
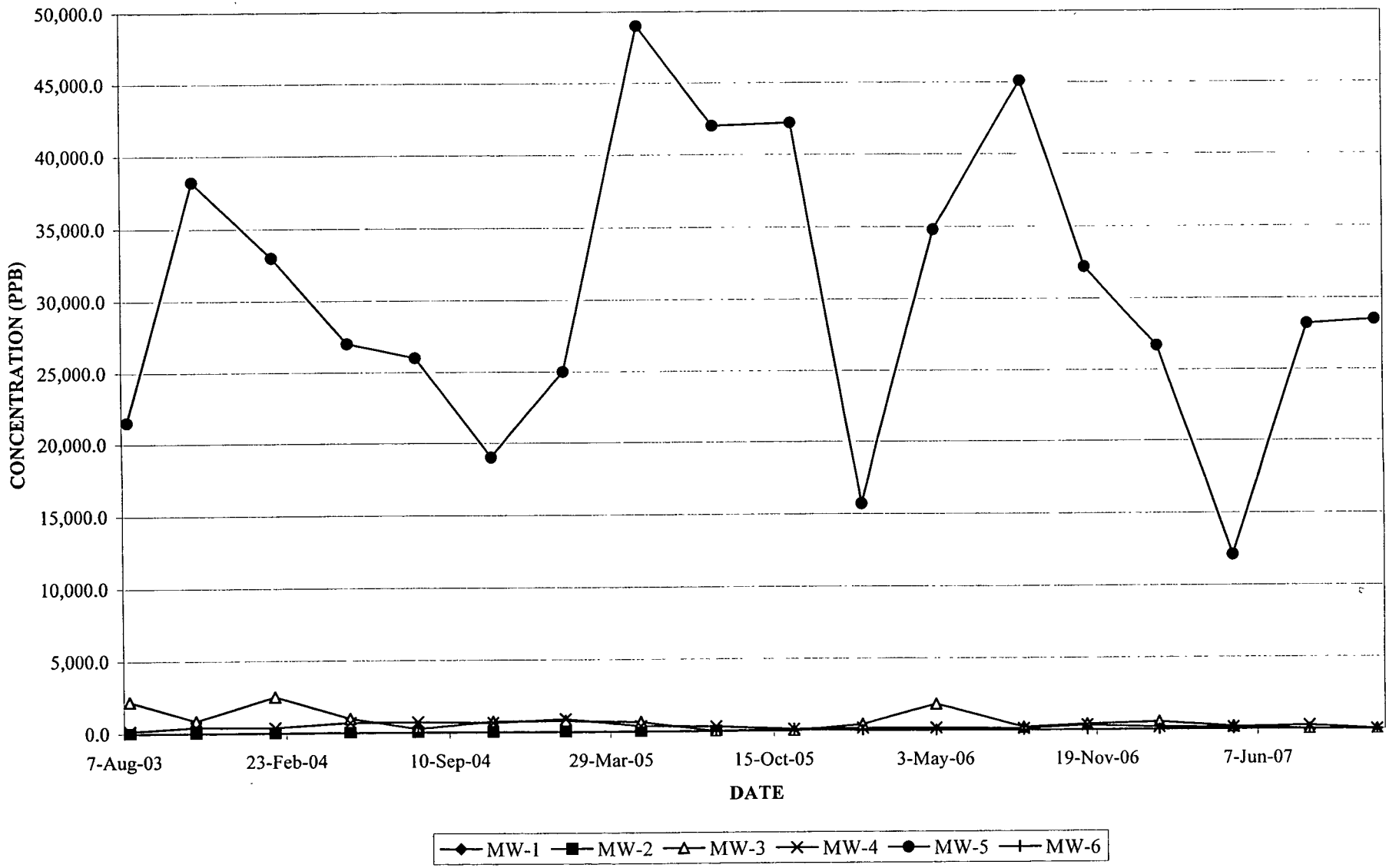


FIGURE 6
KC KWIK STOP
BROOTEN, MINNESOTA
GRO CONCENTRATION GRAPH



Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: (612)607-1700
Fax: (612)607-6444

February 16, 2007

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

RE: Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1046040

Dear Scott Hunke:
Enclosed are the analytical results for sample(s) received by the laboratory on February 07, 2007. 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

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: (612)607-1700
Fax (612)607-6444

SAMPLE SUMMARY

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1046040

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1046040001	MW-06	Water	02/05/07 13:13	02/07/07 18:05
1046040002	MW-04	Water	02/05/07 14:15	02/07/07 18:05
1046040003	MW-03	Water	02/05/07 15:19	02/07/07 18:05
1046040004	MW-05	Water	02/05/07 16:21	02/07/07 18:05
1046040005	MW-07	Water	02/05/07 16:30	02/07/07 18:05
1046040006	TRIP BLANK	Water	02/05/07 00:00	02/07/07 18:05

Pace Analytical Services, Inc
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: (612)607-1700
Fax. (612)607-6444

SAMPLE ANALYTE COUNT

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1046040

Lab ID	Sample ID	Method	Analytes Reported
1046040001	MW-06	TPH WI GRO/PVOC 8021	6
1046040002	MW-04	TPH WI GRO/PVOC 8021	6
1046040003	MW-03	TPH WI GRO/PVOC 8021	6
1046040004	MW-05	TPH WI GRO/PVOC 8021	6
1046040005	MW-07	TPH WI GRO/PVOC 8021	6
1046040006	TRIP BLANK	TPH WI GRO/PVOC 8021	6

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: (612)607-1700
Fax. (612)607-6444

ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1046040

Sample: MW-06 **Lab ID: 1046040001** Collected: 02/05/07 13:13 Received: 02/07/07 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		02/08/07 22:59	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		02/08/07 22:59	100-41-4	
Gasoline Range Organics	ND	ppb	100	1		02/08/07 22:59		
Toluene	ND	ppb	1.0	1		02/08/07 22:59	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		02/08/07 22:59	1330-20-7	
a,a,a-Trifluorotoluene (S)	103	%	80-141	1		02/08/07 22:59	98-08-8	

Sample: MW-04 **Lab ID: 1046040002** Collected: 02/05/07 14:15 Received: 02/07/07 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		02/08/07 23:23	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		02/08/07 23:23	100-41-4	
Gasoline Range Organics	**150**	ppb	100	1		02/08/07 23:23		
Toluene	**1.7**	ppb	1.0	1		02/08/07 23:23	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		02/08/07 23:23	1330-20-7	
a,a,a-Trifluorotoluene (S)	102	%	80-141	1		02/08/07 23:23	98-08-8	

Sample: MW-03 **Lab ID: 1046040003** Collected: 02/05/07 15:19 Received: 02/07/07 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	**2.9**	ppb	1.0	1		02/08/07 23:48	71-43-2	
Ethylbenzene	**166**	ppb	1.0	1		02/08/07 23:48	100-41-4	
Gasoline Range Organics	**532**	ppb	100	1		02/08/07 23:48		
Toluene	**3.5**	ppb	1.0	1		02/08/07 23:48	108-88-3	
Xylene (Total)	**8.6**	ppb	3.0	1		02/08/07 23:48	1330-20-7	
a,a,a-Trifluorotoluene (S)	142	%	80-141	1		02/08/07 23:48	98-08-8	S5

Sample: MW-05 **Lab ID: 1046040004** Collected: 02/05/07 16:21 Received: 02/07/07 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	**582**	ppb	50.0	50		02/09/07 00:38	71-43-2	
Ethylbenzene	**1400**	ppb	50.0	50		02/09/07 00:38	100-41-4	
Gasoline Range Organics	**26700**	ppb	5000	50		02/09/07 00:38		
Toluene	**9870**	ppb	50.0	50		02/09/07 00:38	108-88-3	
Xylene (Total)	**5620**	ppb	150	50		02/09/07 00:38	1330-20-7	
a,a,a-Trifluorotoluene (S)	105	%	80-141	50		02/09/07 00:38	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1046040

Sample: MW-07 **Lab ID: 1046040005** Collected: 02/05/07 16:30 Received: 02/07/07 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	**525**	ppb	50.0	50		02/09/07 01:03	71-43-2	
Ethylbenzene	**1330**	ppb	50.0	50		02/09/07 01:03	100-41-4	
Gasoline Range Organics	**26100**	ppb	5000	50		02/09/07 01:03		
Toluene	**9250**	ppb	50.0	50		02/09/07 01:03	108-88-3	
Xylene (Total)	**5350**	ppb	150	50		02/09/07 01:03	1330-20-7	
a,a,a-Trifluorotoluene (S)	109	%	80-141	50		02/09/07 01.03	98-08-8	

Sample: TRIP BLANK **Lab ID: 1046040006** Collected: 02/05/07 00:00 Received: 02/07/07 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		02/08/07 22:09	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		02/08/07 22:09	100-41-4	
Gasoline Range Organics	ND	ppb	100	1		02/08/07 22:09		
Toluene	ND	ppb	1.0	1		02/08/07 22:09	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		02/08/07 22:09	1330-20-7	
a,a,a-Trifluorotoluene (S)	100	%	80-141	1		02/08/07 22:09	98-08-8	

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QUALITY CONTROL DATA

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1046040

QC Batch: GCV/3816 Analysis Method: TPH WI GRO/PVOC 8021
QC Batch Method: TPH WI GRO/PVOC 8021 Analysis Description: WIGRO GCV Water
Associated Lab Samples: 1046040001, 1046040002, 1046040003, 1046040004, 1046040005, 1046040006

METHOD BLANK: 309108
Associated Lab Samples: 1046040001, 1046040002, 1046040003, 1046040004, 1046040005, 1046040006

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

LABORATORY CONTROL SAMPLE & LCSD: 309109 309110

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ppb	100	108	105	108	105	80-120	3	20	
Ethylbenzene	ppb	100	109	105	109	105	80-120	3	20	
Gasoline Range Organics	ppb	1000	1030	1040	103	104	80-120	2	20	
Toluene	ppb	100	108	105	108	105	80-120	3	20	
Xylene (Total)	ppb	300	330	319	110	106	80-120	3	20	
a,a,a-Trifluorotoluene (S)	%				98	100	80-141			

MATRIX SPIKE SAMPLE: 309111

Parameter	Units	1046086001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ppb	ND	100	107	107	80-120	
Ethylbenzene	ppb	ND	100	107	107	80-120	
Gasoline Range Organics	ppb	ND	1000	1070	107	80-120	
Toluene	ppb	ND	100	106	106	80-120	
Xylene (Total)	ppb	ND	300	327	109	80-120	
a,a,a-Trifluorotoluene (S)	%				100	80-141	

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QUALIFIERS

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1046040

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.

ANALYTE QUALIFIERS

S5 Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

REPORT OF LABORATORY ANALYSIS

nelac

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical

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

Page: of 0981987

1046040

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: COTEAM ENVIRONMENT	Report To: COTEAM	Attention: SCOTT
Address: 728 JAMES CIRCLE DR ALEXANDRIA, MN 56308	Copy To: COTEAM	Company Name: COTEAM
Email To:	Purchase Order No.:	Address:
Phone: 320-846-4668 Fax: 605-882-4152	Project Name: KC KWIK STOP	Pace Quote Reference:
Requested Due Date/TAT:	Project Number: BROOTEN MN	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other

SITE LOCATION

☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / -) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis: BTEX GRO	Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project Number Lab I.D
1	MW-06	WT	G	2/5/07	1313				3				✓					✓	✓		001
2	MW-04				1415				3				✓					✓	✓		002
3	MW-03				1519				3				✓					✓	✓		003
4	MW-05				1621				3				✓					✓	✓		004
5	MW-07		↓	↓	1630				3				✓					✓	✓		005
6	TRIP BLANK								2									✓	✓		006
7	TEMP BLANK	↓							1												
8																					
9																					
10																					
11																					
12																					

2/8/07

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Scott	2/6/07	1700	J. Richardson	2/7/07	18:05

SAMPLE CONDITION

0.0	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N

Temp in °C | Received on Ice | Custody Sealed Cooler | Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: SCOTT HUNTER

SIGNATURE of SAMPLER: [redacted] DATE Signed (MM/DD/YY): [redacted]

[redacted] FOR [redacted] ORIGINAL

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February 15, 2007

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

RE: Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

Dear Scott Hunke:
Enclosed are the analytical results for sample(s) received by the laboratory on February 07, 2007. 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

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PROJECT NARRATIVE

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

Method: **TO-15**
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: February 15, 2007

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.

QC Batch: AIR/5198

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- 110 S. WESTERN AVE (Lab ID: 1046329001)
  - 1,2,4-Trichlorobenzene
- BLANK (Lab ID: 310879)
  - 1,2,4-Trichlorobenzene
- DUP (Lab ID: 310881)
  - 1,2,4-Trichlorobenzene
- DUP (Lab ID: 310882)
  - 1,2,4-Trichlorobenzene
- LCS (Lab ID: 310880)
  - 1,2,4-Trichlorobenzene

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- 110 S. WESTERN AVE (Lab ID: 1046329001)
  - Acetone
- LCS (Lab ID: 310880)
  - Acetone

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/5198

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 310880)
  - Hexachloro-1,3-butadiene

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PROJECT NARRATIVE

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

Method: **TO-15**
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: February 15, 2007

QC Batch: AIR/5198

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 310880)
  - Naphthalene

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:

K3: The Total Hydrocarbon (THC) pattern is evenly distributed throughout the chromatogram (before and after toluene).

- 110 S. WESTERN AVE (Lab ID: 1046329001)

Analyte Comments:

QC Batch: AIR/5198

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- DUP (Lab ID: 310881)
  - Propylene

This data package has been reviewed for quality and completeness and is approved for release.

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SAMPLE SUMMARY

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1046329001	**110 S. WESTERN AVE**	Air	02/06/07 13:00	02/07/07 18:05

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SAMPLE ANALYTE COUNT

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

Lab ID	Sample ID	Method	Analytes Reported
1046329001	**110 S. WESTERN AVE**	TO-15	58

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ANALYTICAL RESULTS

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

Sample: 110 S. WESTERN AVE **Lab ID: 1046329001** Collected: 02/06/07 13:00 Received: 02/07/07 18:05 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**19.0**	ug/m3	0.66	1.38		02/13/07 16:49	67-64-1	SS
Benzene	**1.5**	ug/m3	0.90	1.38		02/13/07 16:49	71-43-2	
Bromodichloromethane	ND	ug/m3	1.9	1 38		02/13/07 16:49	75-27-4	
Bromoform	ND	ug/m3	2.9	1.38		02/13/07 16:49	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.38		02/13/07 16:49	74-83-9	
1,3-Butadiene	ND	ug/m3	0.62	1.38		02/13/07 16:49	106-99-0	
2-Butanone (MEK)	**1.4**	ug/m3	0.83	1.38		02/13/07 16:49	78-93-3	
Carbon disulfide	ND	ug/m3	0.87	1.38		02/13/07 16:49	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.8	1.38		02/13/07 16:49	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.38		02/13/07 16:49	108-90-7	
Chloroethane	ND	ug/m3	0.75	1.38		02/13/07 16:49	75-00-3	
Chloroform	ND	ug/m3	1.4	1.38		02/13/07 16:49	67-66-3	
Chloromethane	**0.81**	ug/m3	0.58	1.38		02/13/07 16:49	74-87-3	
Cyclohexane	ND	ug/m3	0.94	1.38		02/13/07 16:49	110-82-7	
Dibromochloromethane	ND	ug/m3	2 3	1.38		02/13/07 16:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2 2	1.38		02/13/07 16.49	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	1.38		02/13/07 16:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	1.38		02/13/07 16:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.7	1.38		02/13/07 16:49	106-46-7	
Dichlorodifluoromethane	**2.0**	ug/m3	1.4	1.38		02/13/07 16:49	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.1	1.38		02/13/07 16:49	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.1	1.38		02/13/07 16:49	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.1	1.38		02/13/07 16:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.1	1.38		02/13/07 16:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.1	1.38		02/13/07 16:49	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.38		02/13/07 16:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	1.38		02/13/07 16:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.3	1.38		02/13/07 16:49	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.9	1.38		02/13/07 16:49	76-14-2	
Ethyl acetate	**1.3**	ug/m3	1.0	1.38		02/13/07 16:49	141-78-6	
Ethylbenzene	**2.4**	ug/m3	1.2	1.38		02/13/07 16:49	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.4	1.38		02/13/07 16:49	622-96-8	
n-Heptane	ND	ug/m3	1.1	1.38		02/13/07 16:49	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.0	1.38		02/13/07 16:49	87-68-3	L2
n-Hexane	ND	ug/m3	0.99	1.38		02/13/07 16:49	110-54-3	
2-Hexanone	ND	ug/m3	1.1	1.38		02/13/07 16:49	591-78-6	
Methylene Chloride	**3.6**	ug/m3	0.98	1.38		02/13/07 16:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.1	1.38		02/13/07 16:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.0	1.38		02/13/07 16:49	1634-04-4	
Naphthalene	ND	ug/m3	3.7	1.38		02/13/07 16:49	91-20-3	
Propylene	ND	ug/m3	0.48	1.38		02/13/07 16:49	115-07-1	
Styrene	ND	ug/m3	1.2	1.38		02/13/07 16:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.9	1.38		02/13/07 16:49	79-34-5	
Tetrachloroethene	ND	ug/m3	1.9	1.38		02/13/07 16:49	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.83	1.38		02/13/07 16:49	109-99-9	
Toluene	**4.3**	ug/m3	1.1	1.38		02/13/07 16:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.4	1.38		02/13/07 16:49	120-82-1	IC

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ANALYTICAL RESULTS

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

Sample: 110 S. WESTERN AVE **Lab ID: 1046329001** Collected: 02/06/07 13:00 Received: 02/07/07 18:05 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	1.38		02/13/07 16:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.5	1.38		02/13/07 16:49	79-00-5	
Trichloroethene	ND	ug/m3	1.5	1.38		02/13/07 16:49	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.5	1.38		02/13/07 16:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	1.38		02/13/07 16:49	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	3.4	1.38		02/13/07 16:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	3.4	1.38		02/13/07 16:49	108-67-8	
Vinyl acetate	ND	ug/m3	0.98	1.38		02/13/07 16:49	108-05-4	
Vinyl chloride	ND	ug/m3	0.72	1.38		02/13/07 16:49	75-01-4	
m&p-Xylene	**8.0**	ug/m3	2.4	1.38		02/13/07 16:49	1330-20-7	
o-Xylene	**1.6**	ug/m3	1.2	1.38		02/13/07 16:49	95-47-6	

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QUALITY CONTROL DATA

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

QC Batch: AIR/5198
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 1046329001

METHOD BLANK: 310879
Associated Lab Samples: 1046329001

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	IC
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	
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	L2
m&p-Xylene	ug/m3	ND	1.8	
Methyl-tert-butyl ether	ug/m3	ND	0.73	
Methylene Chloride	ug/m3	ND	0.71	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

METHOD BLANK: 310879

Associated Lab Samples: 1046329001

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	
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: 310880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	58.3	56.9	98	60-134	
1,1,2,2-Tetrachloroethane	ug/m3	74	82.3	111	55-141	
1,1,2-Trichloroethane	ug/m3	59.4	56.3	95	64-129	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	79.8	97	55-137	
1,1-Dichloroethane	ug/m3	43.6	43.2	99	59-136	
1,1-Dichloroethene	ug/m3	41.9	40.6	97	60-137	
1,2,4-Trichlorobenzene	ug/m3	80.6	126	156	50-150	IC
1,2,4-Trimethylbenzene	ug/m3	53	59.9	113	63-137	
1,2-Dibromoethane (EDB)	ug/m3	82.8	90.8	110	61-136	
1,2-Dichlorobenzene	ug/m3	64.8	78.5	121	60-139	
1,2-Dichloroethane	ug/m3	43.6	45.7	105	56-141	
1,2-Dichloropropane	ug/m3	49.4	53.5	108	57-131	
1,3,5-Trimethylbenzene	ug/m3	52.5	57.4	109	61-134	
1,3-Butadiene	ug/m3	24.3	25.9	107	53-140	
1,3-Dichlorobenzene	ug/m3	67.3	72.1	107	59-136	
1,4-Dichlorobenzene	ug/m3	64.2	70.3	110	59-130	
2-Butanone (MEK)	ug/m3	32.4	33.9	105	54-133	
2-Hexanone	ug/m3	45.8	46.8	102	54-139	
4-Ethyltoluene	ug/m3	55	56.0	102	61-138	
4-Methyl-2-pentanone (MIBK)	ug/m3	45.8	48.3	105	53-139	
Acetone	ug/m3	24.4	26.4	108	50-139	SS
Benzene	ug/m3	34.4	36.7	106	64-125	
Bromodichloromethane	ug/m3	70.9	69.4	98	61-131	
Bromoform	ug/m3	110	118	107	66-138	
Bromomethane	ug/m3	40.3	42.4	105	55-135	
Carbon disulfide	ug/m3	33.3	35.2	106	50-150	

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QUALITY CONTROL DATA

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

LABORATORY CONTROL SAMPLE: 310880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/m3	67.8	62.1	92	58-135	
Chlorobenzene	ug/m3	49.6	45.9	92	62-139	
Chloroethane	ug/m3	27.1	31.2	115	56-140	
Chloroform	ug/m3	48.7	45.5	93	50-150	
Chloromethane	ug/m3	21	21.2	101	56-144	
cis-1,2-Dichloroethene	ug/m3	42.7	47.7	111	62-135	
cis-1,3-Dichloropropene	ug/m3	48.9	57.8	118	64-133	
Cyclohexane	ug/m3	35.7	41.4	116	54-139	
Dibromochloromethane	ug/m3	95.3	101	106	50-150	
Dichlorodifluoromethane	ug/m3	50.8	44.8	88	60-130	
Dichlorotetrafluoroethane	ug/m3	71.8	71.0	99	59-130	
Ethyl acetate	ug/m3	35.9	47.1	131	60-132	
Ethylbenzene	ug/m3	46.4	57.7	124	65-140	
Hexachloro-1,3-butadiene	ug/m3	115	39.5	34	50-150	L2
m&p-Xylene	ug/m3	92.7	105	114	60-132	
Methyl-tert-butyl ether	ug/m3	38.1	43.3	114	50-150	
Methylene Chloride	ug/m3	37.1	45.3	122	56-138	
n-Heptane	ug/m3	43.3	54.4	125	62-135	
n-Hexane	ug/m3	35.8	44.0	123	62-134	
Naphthalene	ug/m3	55.3	79.0	143	70-130	L3
o-Xylene	ug/m3	46.8	52.8	113	64-132	
Propylene	ug/m3	18 4	19.9	108	56-125	
Styrene	ug/m3	45.9	49.9	109	69-134	
Tetrachloroethene	ug/m3	67.6	74.5	110	60-137	
Tetrahydrofuran	ug/m3	31.5	36.0	114	52-139	
Toluene	ug/m3	41	42.8	104	69-130	
trans-1,2-Dichloroethene	ug/m3	39.9	45.6	114	50-150	
trans-1,3-Dichloropropene	ug/m3	50.8	62.5	123	70-142	
Trichloroethene	ug/m3	56.8	55.8	98	60-134	
Trichlorofluoromethane	ug/m3	57.7	53.5	93	56-141	
Vinyl acetate	ug/m3	38.3	43.8	114	61-142	
Vinyl chloride	ug/m3	26.3	29.5	112	66-132	

SAMPLE DUPLICATE: 310881

Parameter	Units	1046203004 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	IC
1,2,4-Trimethylbenzene	ug/m3	ND	12.1J	9	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	

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QUALITY CONTROL DATA

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

SAMPLE DUPLICATE: 310881

Parameter	Units	1046203004 Result	Dup Result	RPD	Max RPD	Qualifiers
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	ND	0	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	48.4	56.0	15	25	
Benzene	ug/m3	21.9	22.5	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	6.8	6.7	2	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	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	27.0	27.8	3	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	ND	ND	0	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	7.2	7.7	7	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	L2
m&p-Xylene	ug/m3	14.1	15.4	9	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	ND	ND	0	25	
n-Heptane	ug/m3	21.1	21.7	3	25	
n-Hexane	ug/m3	32.5	32.6	.3	25	
Naphthalene	ug/m3	ND	ND	0	25	
o-Xylene	ug/m3	ND	ND	0	25	
Propylene	ug/m3	267	269	.7	25	E
Styrene	ug/m3	ND	ND	0	25	
Tetrachloroethene	ug/m3	ND	ND	0	25	
Tetrahydrofuran	ug/m3	ND	ND	0	25	
Toluene	ug/m3	25.0	27.1	8	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	ND	ND	0	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

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QUALITY CONTROL DATA

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

SAMPLE DUPLICATE: 310882

Parameter	Units	1046237003 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	IC
1,2,4-Trimethylbenzene	ug/m3	ND	ND	0	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	ND	0	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	ND	ND	0	25	
Benzene	ug/m3	12.2	12.6	4	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	793	842	6	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	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	410	423	3	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	14.3	14.6	3	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	L2
m&p-Xylene	ug/m3	ND	ND	0	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	ND	ND	0	25	
n-Heptane	ug/m3	ND	ND	0	25	
n-Hexane	ug/m3	99 3	103	4	25	
Naphthalene	ug/m3	ND	ND	0	25	
o-Xylene	ug/m3	ND	ND	0	25	
Propylene	ug/m3	214	188	13	25	

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QUALITY CONTROL DATA

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

SAMPLE DUPLICATE: 310882

Parameter	Units	1046237003 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	
Toluene	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	
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	

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QUALIFIERS

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

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: 1046329001

[1]	The Total Hydrocarbon (THC) pattern is evenly distributed throughout the chromatogram (before and after toluene).

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KC KWIK STOP BROTEN,MN
Pace Project No.: 1046329

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1046329001	**110 S. WESTERN AVE**	TO-15	AIR/5198		

Data File: \\192.168.10.12\chem\10air0.i\021307.b\04407tic.D
Report Date: 27-Feb-2007 15:10

Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: 1046329001
Operator : HRG
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 13-FEB-2007 16:49

Client SDG: 102205

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	64-17-5	Ethanol	4.359	4.27	NJ
2.	64-17-5	Ethanol	4.465	10.7	NJ
3.	138-86-3	Limonene	15.413	1.80	NJ

Data File: \\192.168.10.12\chem\10air0.i\021307.b\04407tic.D
Report Date: 27-Feb-2007 15:10

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\192.168.10.12\chem\10air0.i\021307.b\04407tic.D
Lab Smp Id: 1046329001
Inj Date : 13-FEB-2007 16:49
Operator : HRG Inst ID: 10air0.i
Smp Info :
Misc Info : 5198
Comment : Volatile Organic COMPOUNDS in Air
Method : \\192.168.10.12\chem\10air0.i\021307.b\LOWTO15_038.m
Meth Date : 27-Feb-2007 11:06 lweinkauf Quant Type: ISTD
Cal Date : 07-FEB-2007 16:44 Cal File: 03809.D
Als bottle: 7
Dil Factor: 1.38000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: AIRGROUP

Concentration Formula: Amt * DF * Uf * CpndVariable

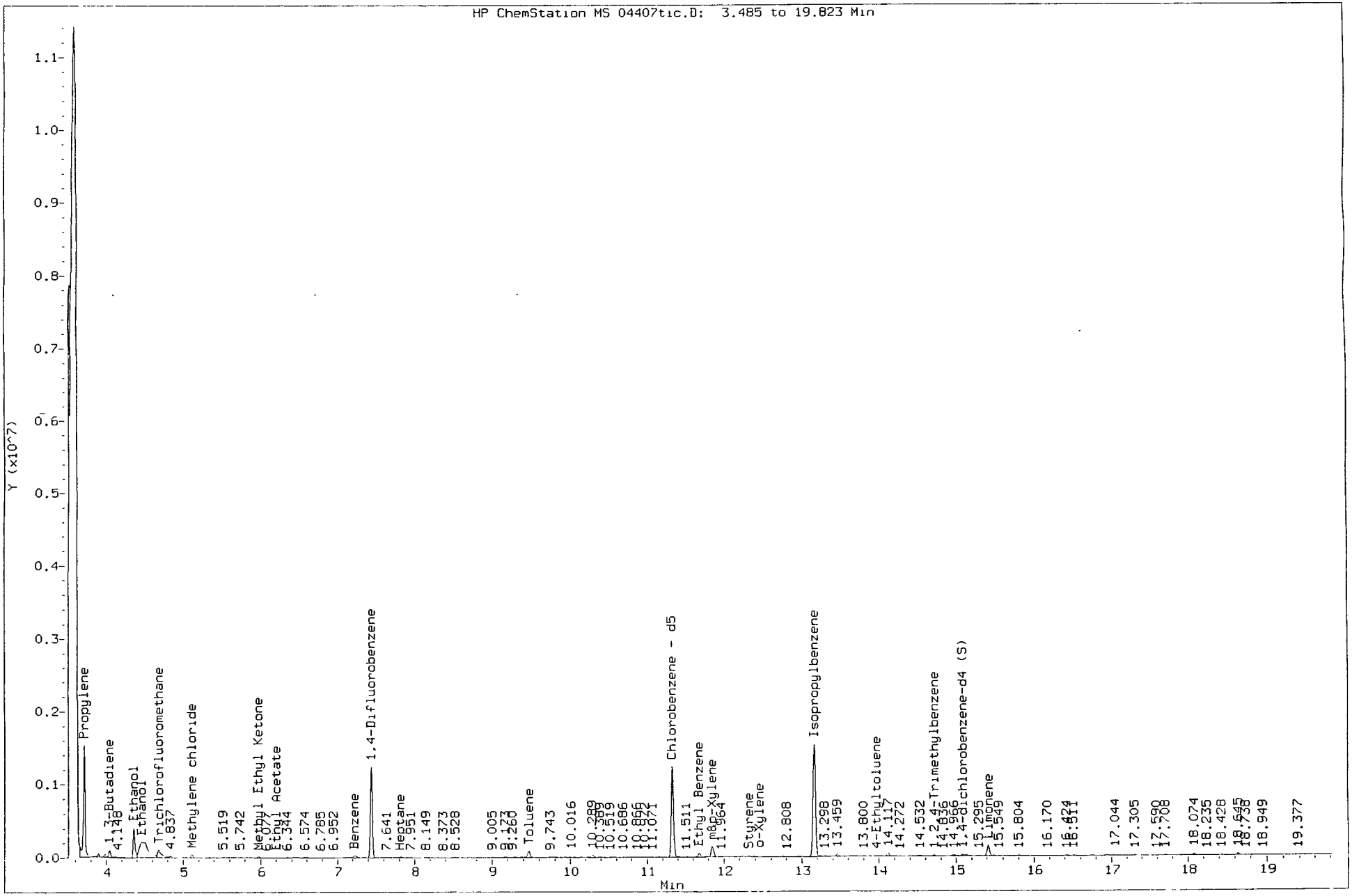
Name	Value	Description
DF	1.380	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 31 1,4-Difluorobenzene	7.442	2308678	10.000
* 46 Chlorobenzene - d5	11.325	2651812	10.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Ethanol				CAS #: 64-17-5			
4.359	715182	3.09779805	4.27	90	NBS75K.l	49	31
Ethanol				CAS #: 64-17-5			
4.465	1788657	7.74753643	10.7	90	NBS75K.l	49	31
Limonene				CAS #: 138-86-3			
15.413	346228	1.30562952	1.80	94	NBS75K.l	6647	46

10463290001

Data File: \\192.168.10.12\chem\10air0.i\021307.b\04407tic.D
Injection Date: 13-FEB-2007 16:49
Instrument: 10air0.i
Client Sample ID:



CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical®

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

Page: of 0977259

1046329

Section A Required Client Information:

Company	COTEAU ENVIRONMENTAL
Address	728 JANES CIRCLE DR, ALEXANDRIA, MN 56308
Email To:	
Phone	320-846-4668
Fax	605-882-4152
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	COTEAU
Copy To:	COTEAU
Purchase Order No.:	
Project Name:	KC KWIK STOP
Project Number:	BROOTEN, MN

Section C Invoice Information:

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

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

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

Section D Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / -)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: VOC's (TO-15)	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	110 S WESTERN AVE	AR	G	2/5/07	1300	2/6/07	1300		1										✓		1046329001
2	CANISTER #0019																				
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
Scott	2/6/07	1700	Henry M Smith PACE	2/8/07	18:05	AmB

SAMPLE CONDITION	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
AmB		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: SCOTT HUNTER

SIGNATURE of SAMPLER: Scott

DATE Signed (MM / DD / YY): 2/6/07

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

ALLQ020rev.3,31Mar05

Report Date: 09-Feb-2007 09:53

Pace Analytical

MBTEX - MODIFIED 8020

Data file : \\192.168.10.12\chem\10gcv1.i\020807a.b\p1-03920.d

Lab Smp Id: 1046040001

Inj Date : 08-FEB-2007 22:59

Operator : MJM Inst ID: 10gcv1.i

Smp Info : 1046040001

Misc Info : 3816

Comment :

Method : \\192.168.10.12\chem\10gcv1.i\020807a.b\BTEX033.m

Meth Date : 09-Feb-2007 09:43 10gcv1.i Quant Type: ISTD

Cal Date : 02-FEB-2007 19:15 Cal File: p1-03316.d

Als bottle: 20

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10MICHAELIS

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	5.576	5.570	(0.625)	74238	20.6439	20.6
	4 Toluene	7.136	7.120	(0.800)	1767	0.16302	0.163(a)
*	5 Chlorofluorobenzene	8.920	8.916	(1.000)	696562	100.000	
	6 Ethylbenzene	Compound Not Detected.					
	7 m&p-Xylene	9.936	9.940	(1.114)	1974	0.19910	0.199(a)
	8 o-Xylene	10.643	10.696	(1.193)	473	0.05359	0.0536(a)
M	9 Xylene (total)				2447	0.25269	0.253(a)
	10 1,3,5-Trimethylbenzene	12.870	12.866	(1.443)	1014	0.10207	0.102(a)
	11 1,2,4-Trimethylbenzene	13.340	13.350	(1.496)	887	0.11161	0.112(a)
	12 Naphthalene	15.763	15.763	(1.767)	2985	0.51259	0.512(aA)

QC Flag Legend

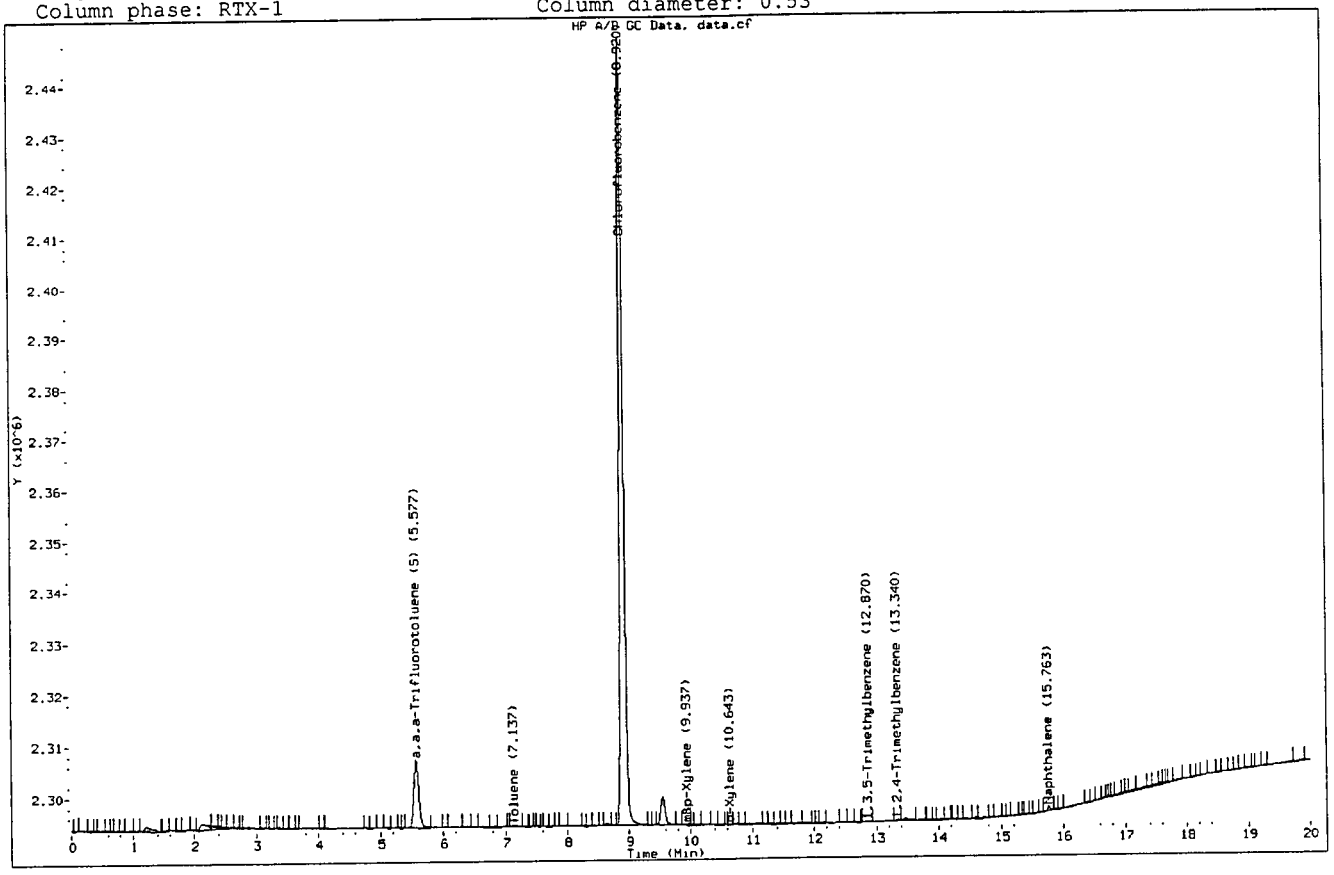
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

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

Data File: \\192.168.10.12\chem\10gcv1.i\020807a.b/p1-03920.d
Report Date: 02/09/2007
Client ID:
Sample Information: 1046040001
Purge Volume:
Column phase: RTX-1

Instrument: 10gcv1.i

Operator: MJM
Column diameter: 0.53



Report Date: 09-Feb-2007 09:50

Pace Analytical

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\192.168.10.12\chem\10gcv1.i\020807a.b\f1-03920.d

Lab Smp Id: 1046040001

Inj Date : 08-FEB-2007 22:59

Operator : MJM Inst ID: 10gcv1.i

Smp Info : 1046040001

Misc Info : 3816

Comment :

Method : \\192.168.10.12\chem\10gcv1.i\020807a.b\Gro033.m

Meth Date : 09-Feb-2007 09:44 10gcv1.i Quant Type: ESTD

Cal Date : 02-FEB-2007 19:15 Cal File: f1-03316.d

Als bottle: 20

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

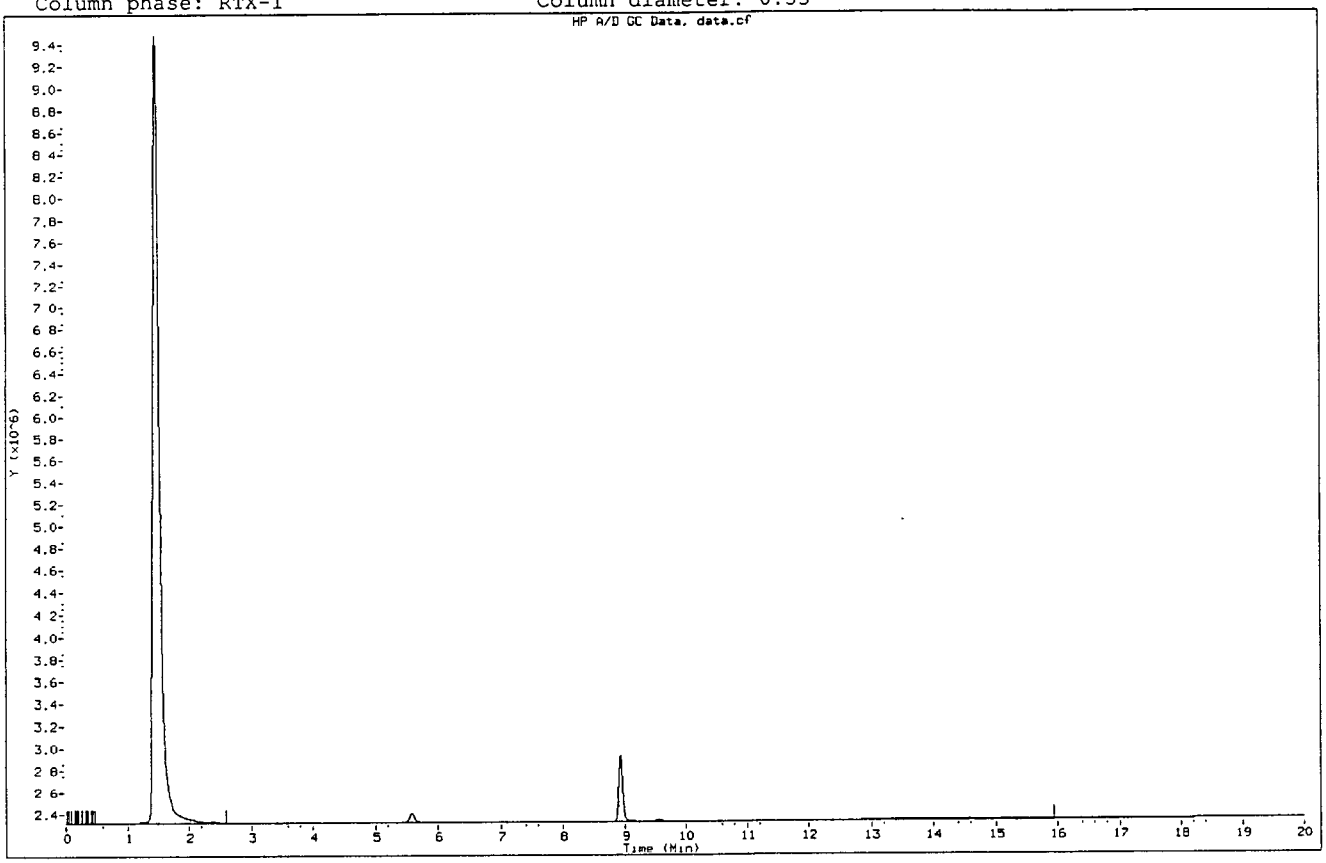
Processing Host: 10MICHAELIS

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	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv1.i\020807a.b/f1-03920.d
Report Date: 02/09/2007
Client ID:
Instrument: 10gcv1.i
Sample Information: 1046040001
Purge Volume:
Operator: MJM
Column phase: RTX-1
Column diameter: 0.53



Report Date: 09-Feb-2007 09:53

Pace Analytical

MBTEX - MODIFIED 8020

Data file : \\192.168.10.12\chem\10gcv1.i\020807a.b\p1-03921.d

Lab Smp Id: 1046040002

Inj Date : 08-FEB-2007 23:23

Operator : MJM Inst ID: 10gcv1.i

Smp Info : 1046040002

Misc Info : 3816

Comment :

Method : \\192.168.10.12\chem\10gcv1.i\020807a.b\BTEX033.m

Meth Date : 09-Feb-2007 09:43 10gcv1.i Quant Type: ISTD

Cal Date : 02-FEB-2007 19:15 Cal File: p1-03316.d

Als bottle: 21

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10MICHAELIS

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	4.473	4.463	(0.502)	1054	0.09090	0.0909(a)
S	3 a,a,a-Trifluorotoluene (S)	5.566	5.570	(0.625)	73634	20.4895	20.5
	4 Toluene	7.086	7.120	(0.795)	18563	1.71375	1.71(M)
*	5 Chlorofluorobenzene	8.913	8.916	(1.000)	696101	100.000	
	6 Ethylbenzene	Compound Not Detected.					
	7 m&p-Xylene	9.940	9.940	(1.115)	4136	0.41745	0.417(a)
	8 o-Xylene	10.686	10.696	(1.199)	3336	0.37819	0.378(a)
M	9 Xylene (total)				7472	0.79564	0.796(a)
	10 1,3,5-Trimethylbenzene	Compound Not Detected.					
	11 1,2,4-Trimethylbenzene	13.353	13.350	(1.498)	74033	9.32163	9.32
	12 Naphthalene	15.770	15.763	(1.769)	13601	2.33714	2.34(A)

QC Flag Legend

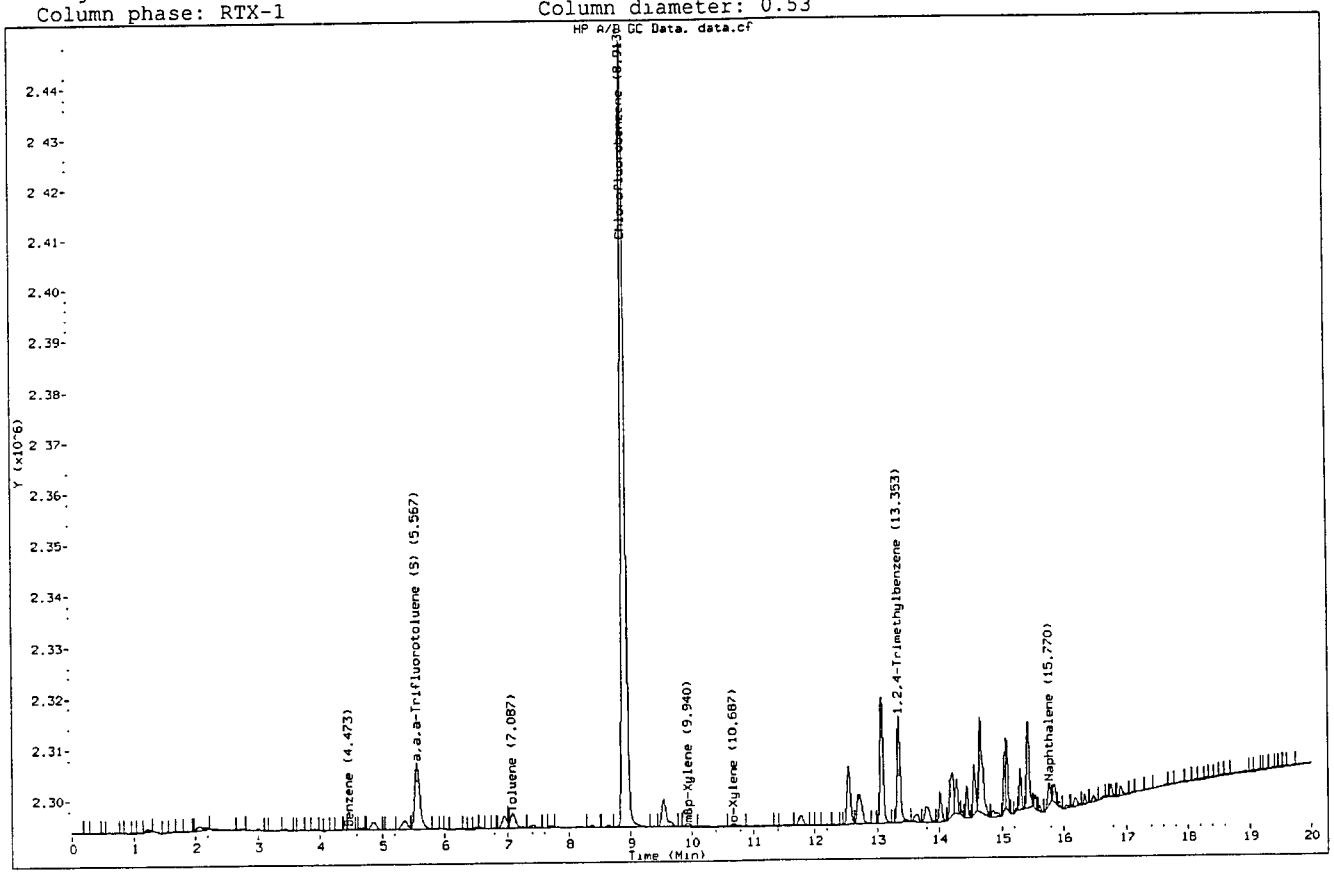
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

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

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcv1.i\020807a.b/p1-03921.d
Report Date: 02/09/2007
Client ID:
Sample Information: 1046040002
Purge Volume:
Column phase: RTX-1

Instrument: 10gcv1.i
Operator: MJM
Column diameter: 0.53



Report Date: 09-Feb-2007 09:50

Pace Analytical

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\192.168.10.12\chem\10gcv1.i\020807a.b\f1-03921.d

Lab Smp Id: 1046040002

Inj Date : 08-FEB-2007 23:23

Operator : MJM Inst ID: 10gcv1.i

Smp Info : 1046040002

Misc Info : 3816

Comment :

Method : \\192.168.10.12\chem\10gcv1.i\020807a.b\Gro033.m

Meth Date : 09-Feb-2007 09:44 10gcv1.i Quant Type: ESTD

Cal Date : 02-FEB-2007 19:15 Cal File: f1-03316.d

Als bottle: 21

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10MICHAELIS

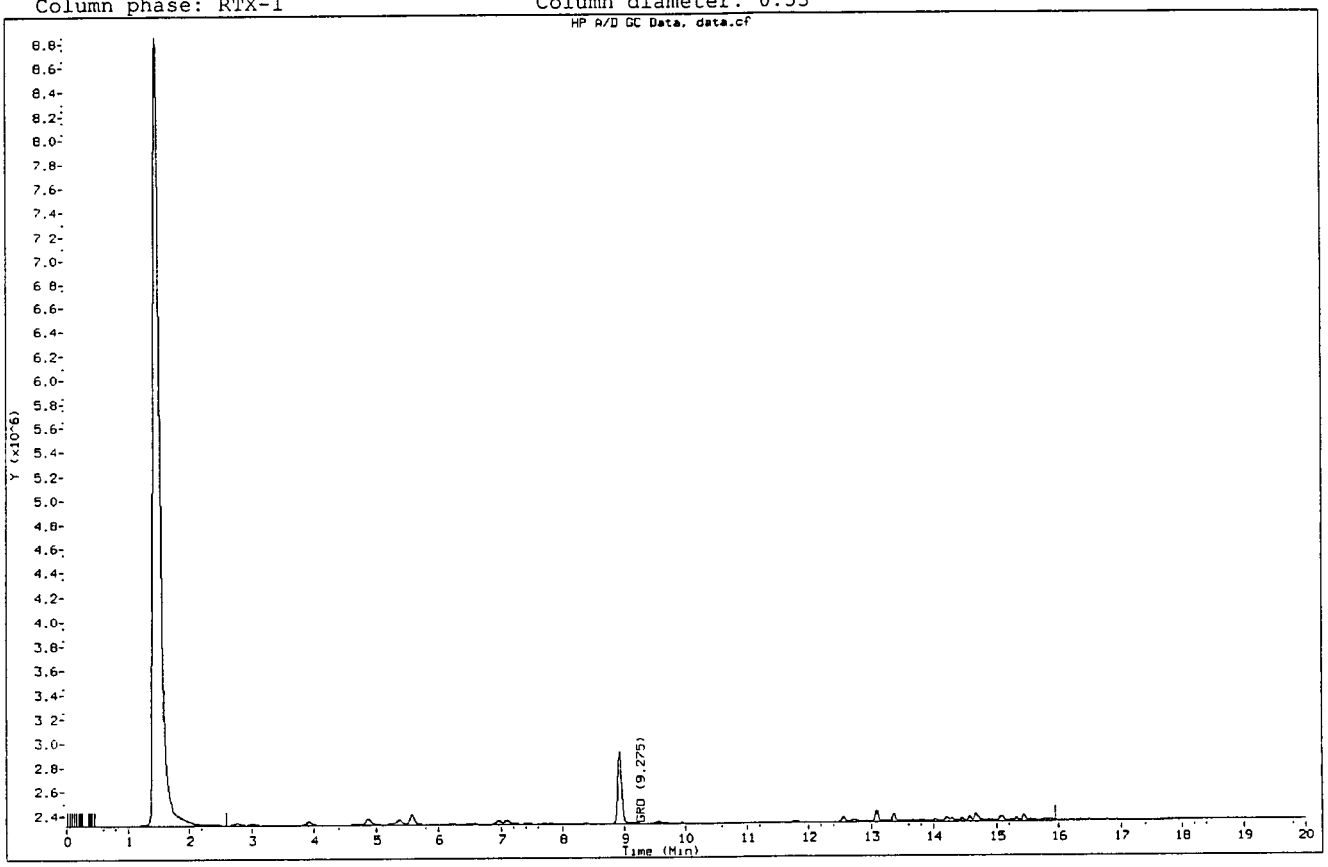
Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
S 5 GRO	2.600-15.950			47392018	149.937	149.9

Data File: \\192.168.10.12\chem\10gcv1.i\020807a.b/f1-03921.d
Report Date: 02/09/2007
Client ID:
Sample Information: 1046040002
Purge Volume:
Column phase: RTX-1

Instrument: 10gcv1.i
Operator: MJM
Column diameter: 0.53



Report Date: 09-Feb-2007 09:50

Pace Analytical

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\192.168.10.12\chem\10gcv1.i\020807a.b\f1-03922.d

Lab Smp Id: 1046040003

Inj Date : 08-FEB-2007 23:48

Operator : MJM Inst ID: 10gcv1.i

Smp Info : 1046040003

Misc Info : 3816

Comment :

Method : \\192.168.10.12\chem\10gcv1.i\020807a.b\Gro033.m

Meth Date : 09-Feb-2007 09:44 10gcv1.i Quant Type: ESTD

Cal Date : 02-FEB-2007 19:15 Cal File: f1-03316.d

Als bottle: 22

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

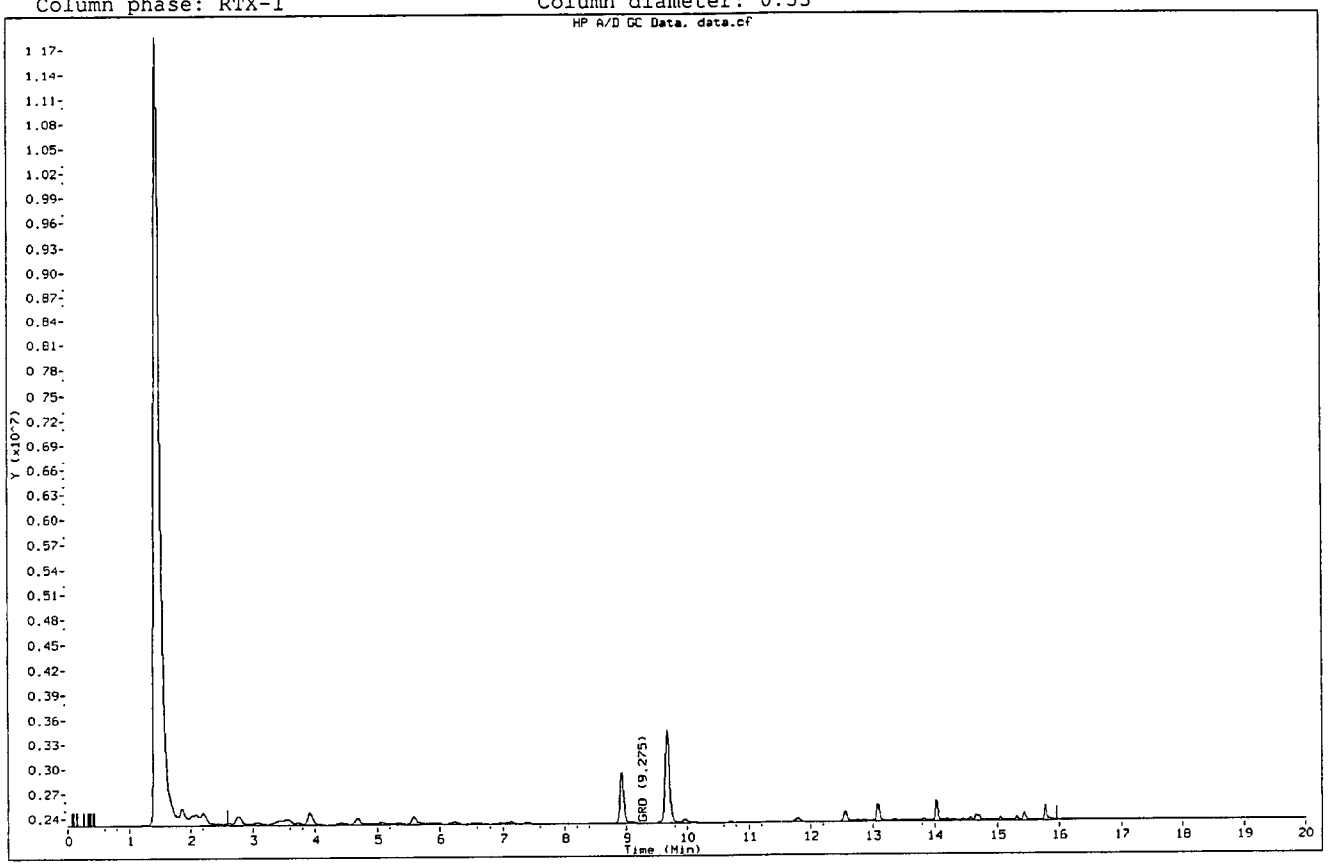
Processing Host: 10MICHAELIS

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
S 5 GRO	2.600-15.950			106892697	531.601	531.6

Data File: \\192.168.10.12\chem\10gcv1.i\020807a.b/f1-03922.d
Report Date: 02/09/2007
Client ID: Instrument: 10gcv1.i
Sample Information: 1046040003
Purge Volume: Operator: MJM
Column phase: RTX-1 Column diameter: 0.53



Report Date: 09-Feb-2007 09:53

Pace Analytical

MBTEX - MODIFIED 8020

Data file : \\192.168.10.12\chem\10gcv1.i\020807a.b\p1-03922.d

Lab Smp Id: 1046040003

Inj Date : 08-FEB-2007 23:48

Operator : MJM Inst ID: 10gcv1.i

Smp Info : 1046040003

Misc Info : 3816

Comment :

Method : \\192.168.10.12\chem\10gcv1.i\020807a.b\BTEX033.m

Meth Date : 09-Feb-2007 09:43 10gcv1.i Quant Type: ISTD

Cal Date : 02-FEB-2007 19:15 Cal File: p1-03316.d

Als bottle: 22

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10MICHAELIS

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

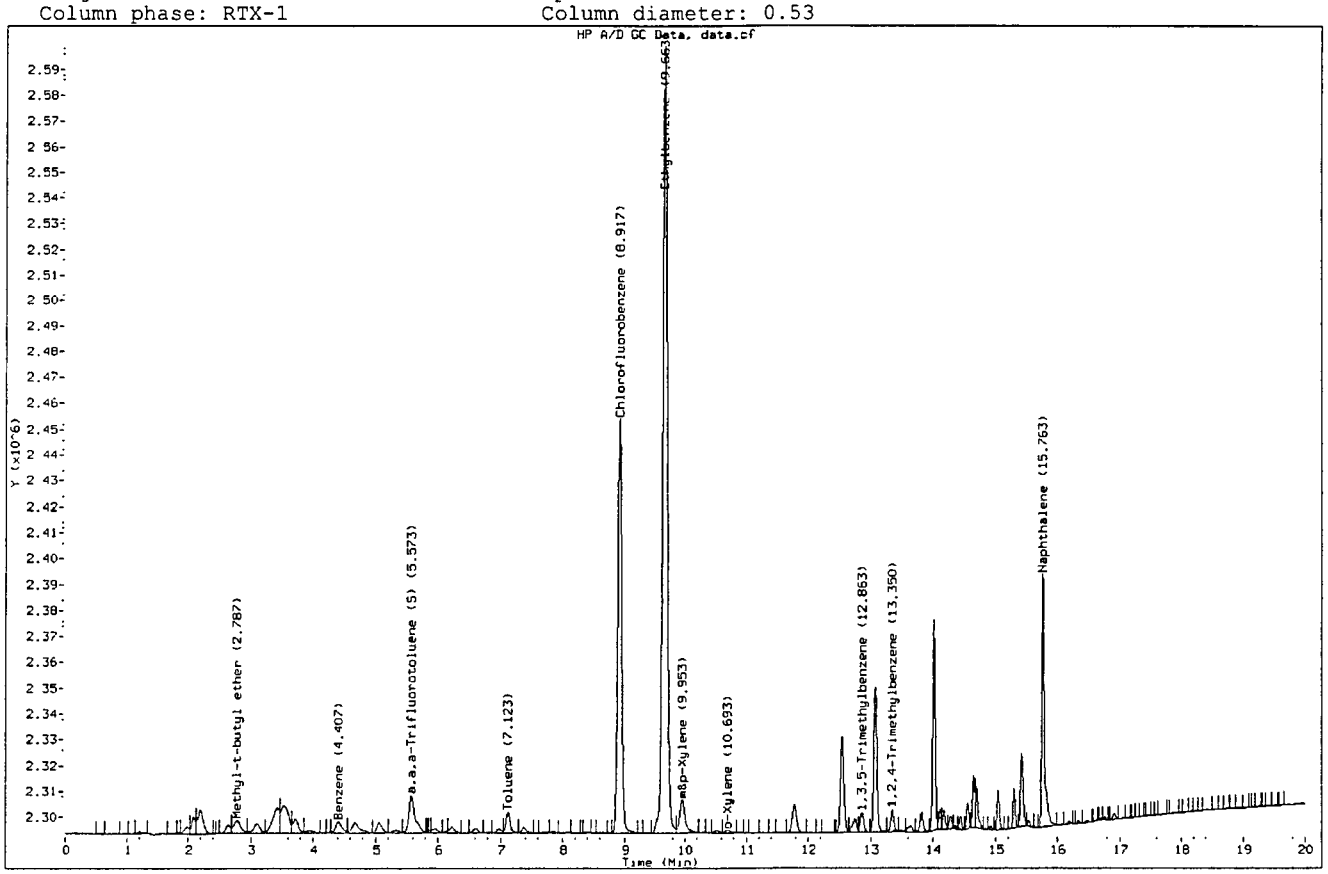
						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	1 Methyl-t-butyl ether	2.786	2.803	(0.313)	42868	9.14533	9.14
	2 Benzene	4.406	4.463	(0.494)	34192	2.87433	2.87
$	3 a,a,a-Trifluorotoluene (S)	5.573	5.570	(0.625)	104943	28.4637	28.5
	4 Toluene	7.123	7.120	(0.799)	38551	3.46913	3.47
*	5 Chlorofluorobenzene	8.916	8.916	(1.000)	714146	100.000	
	6 Ethylbenzene	9.663	9.663	(1.084)	1574440	165.926	166
	7 m&p-Xylene	9.953	9.940	(1.116)	80707	7.93993	7.94
	8 o-Xylene	10.693	10.696	(1.199)	6010	0.66412	0.664(a)
M	9 Xylene (total)				86717	8.60405	8.60
	10 1,3,5-Trimethylbenzene	12.863	12.866	(1.443)	28986	2.84590	2.84
	11 1,2,4-Trimethylbenzene	13.350	13.350	(1.497)	28724	3.52531	3.52
	12 Naphthalene	15.763	15.763	(1.768)	288451	48.3138	48.3(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: \\192.168.10.12\chem\10gcv1.i\020807a.b/p1-03922.d
Report Date: 02/09/2007
Client ID: Instrument: 10gcv1.i
Sample Information: 1046040003
Purge Volume: Operator: MJM
Column phase: RTX-1 Column diameter: 0.53



Report Date: 09-Feb-2007 09:53

Pace Analytical

MBTEX - MODIFIED 8020

Data file : \\192.168.10.12\chem\10gcv1.i\020807a.b\p1-03924.d

Lab Smp Id: 1046040004

Inj Date : 09-FEB-2007 00:38

Operator : MJM Inst ID: 10gcv1.i

Smp Info : 1046040004 50x

Misc Info : 3816

Comment :

Method : \\192.168.10.12\chem\10gcv1.i\020807a.b\BTEX033.m

Meth Date : 09-Feb-2007 09:43 10gcv1.i Quant Type: ISTD

Cal Date : 02-FEB-2007 19:15 Cal File: p1-03316.d

Als bottle: 24

Dil Factor: 50.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10MICHAELIS

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

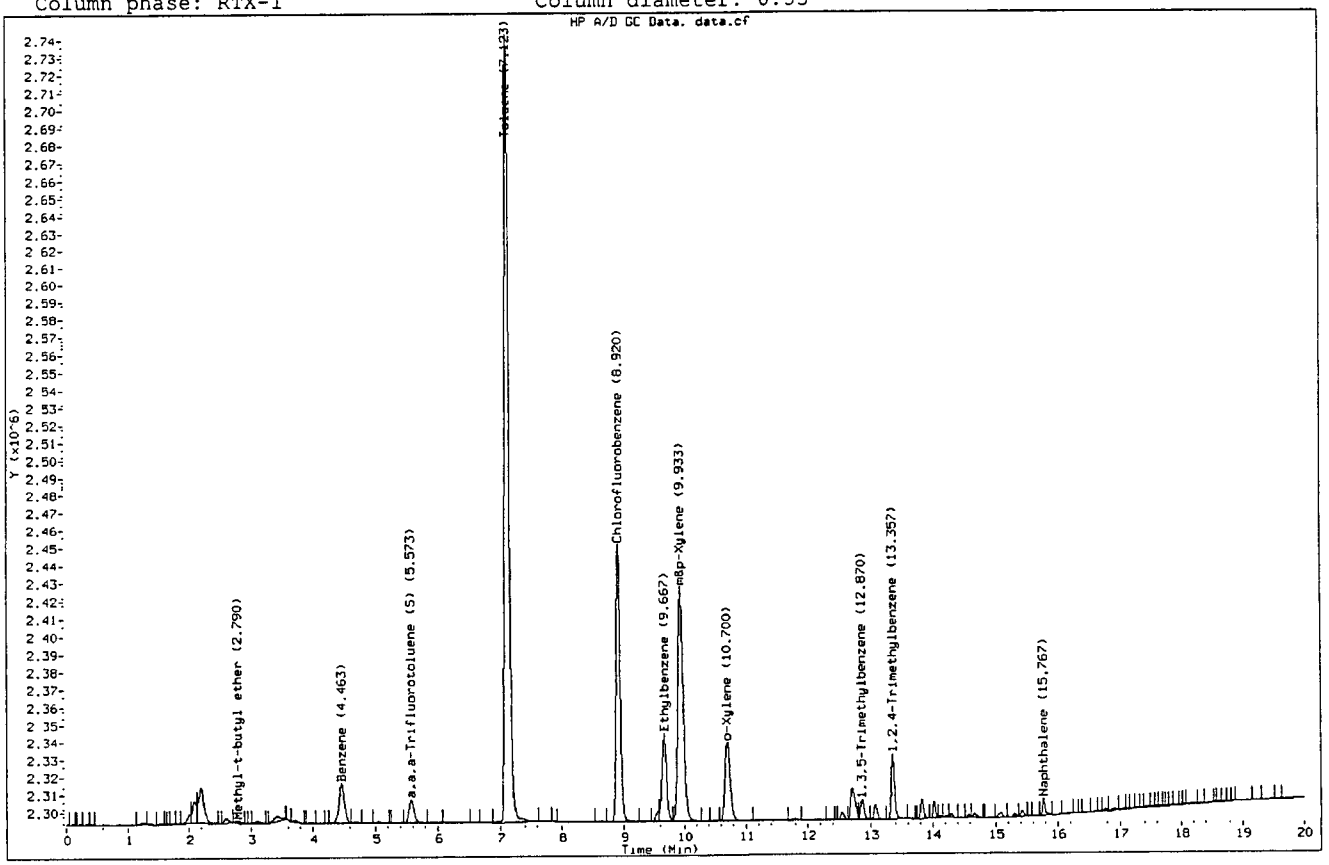
	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 Methyl-t-butyl ether	2.790	2.803	(0.313)	7723	1.55245	77.6
	2 Benzene	4.463	4.463	(0.500)	136146	11.6468	582
$	3 a,a,a-Trifluorotoluene (S)	5.573	5.570	(0.625)	76322	21.0658	21.1
	4 Toluene	7.123	7.120	(0.799)	2154709	197.317	9860(M)
*	5 Chlorofluorobenzene	8.920	8.916	(1.000)	701773	100.000	
	6 Ethylbenzene	9.666	9.663	(1.084)	260215	27.9069	1400
	7 m&p-Xylene	9.933	9.940	(1.114)	820418	82.1356	4110
	8 o-Xylene	10.700	10.696	(1.200)	269844	30.3441	1520
M	9 Xylene (total)				1090262	112.480	5620
	10 1,3,5-Trimethylbenzene	12.870	12.866	(1.443)	42076	4.20394	210
	11 1,2,4-Trimethylbenzene	13.356	13.350	(1.497)	136453	17.0422	852
	12 Naphthalene	15.766	15.763	(1.768)	28708	4.89319	245(A)

QC Flag Legend

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

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcv1.i\020807a.b/p1-03924.d
Report Date: 02/09/2007
Client ID: Instrument: 10gcv1.i
Sample Information: 1046040004 50x
Purge Volume: Operator: MJM
Column phase: RTX-1 Column diameter: 0.53



Report Date: 09-Feb-2007 09:50

Pace Analytical

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\192.168.10.12\chem\10gcv1.i\020807a.b\f1-03924.d

Lab Smp Id: 1046040004

Inj Date : 09-FEB-2007 00:38

Operator : MJM Inst ID: 10gcv1.i

Smp Info : 1046040004 50x

Misc Info : 3816

Comment :

Method : \\192.168.10.12\chem\10gcv1.i\020807a.b\Gro033.m

Meth Date : 09-Feb-2007 09:44 10gcv1.i Quant Type: ESTD

Cal Date : 02-FEB-2007 19:15 Cal File: f1-03316.d

Als bottle: 24

Dil Factor: 50.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10MICHAELIS

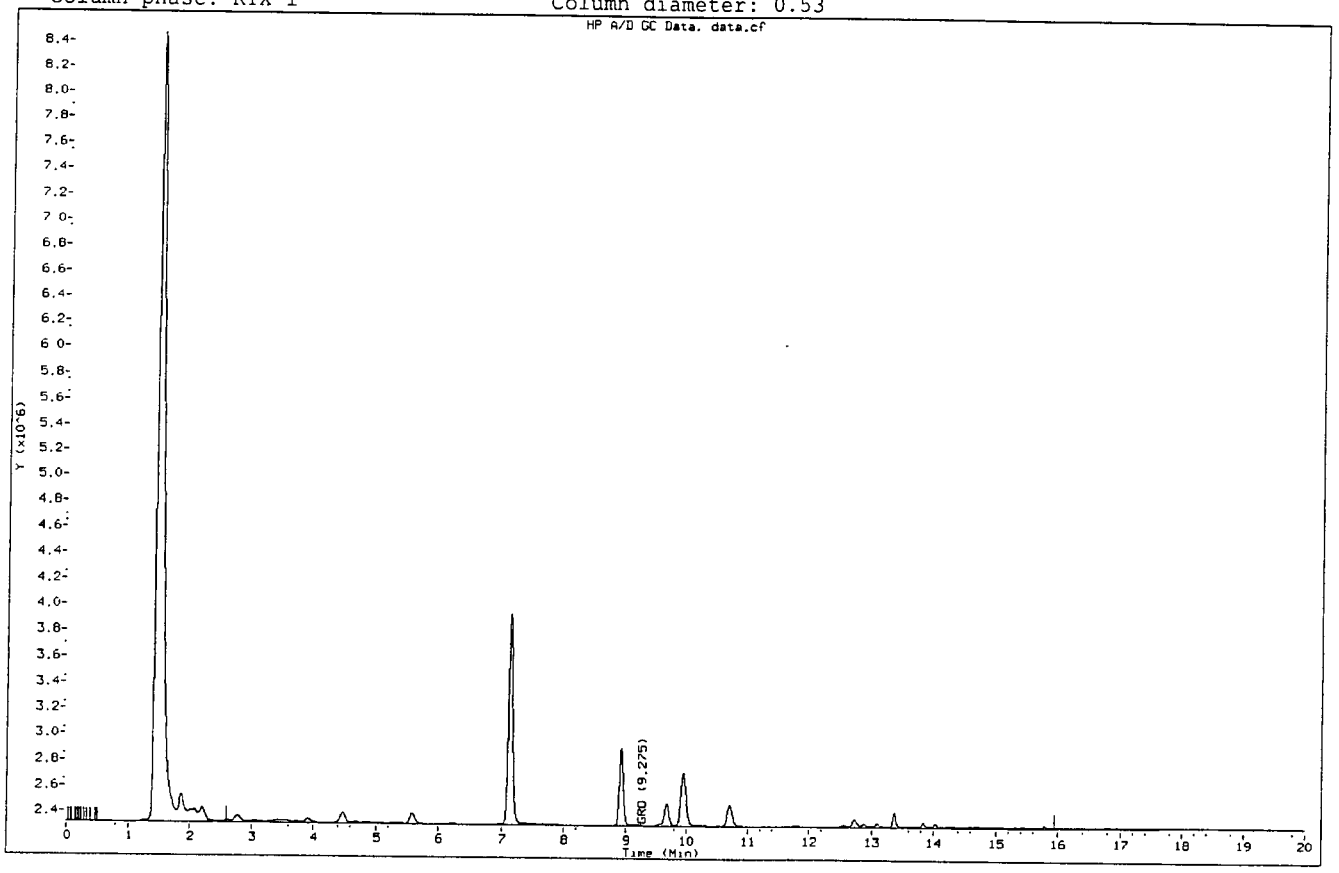
Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
S 5 GRO	2.600-15.950			107292926	534.169	26710

Data File: \\192.168.10.12\chem\10gcv1.i\020807a.b/f1-03924.d
Report Date: 02/09/2007
Client ID:
Sample Information: 1046040004 50x
Purge Volume:
Column phase: RTX-1

Instrument: 10gcv1.i
Operator: MJM
Column diameter: 0.53



Report Date: 09-Feb-2007 09:50

Pace Analytical

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\192.168.10.12\chem\10gcv1.i\020807a.b\f1-03925.d

Lab Smp Id: 1046040005

Inj Date : 09-FEB-2007 01:03

Operator : MJM Inst ID: 10gcv1.i

Smp Info : 1046040005 50x

Misc Info : 3816

Comment :

Method : \\192.168.10.12\chem\10gcv1.i\020807a.b\Gro033.m

Meth Date : 09-Feb-2007 09:44 10gcv1.i Quant Type: ESTD

Cal Date : 02-FEB-2007 19:15 Cal File: f1-03316.d

Als bottle: 25

Dil Factor: 50.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

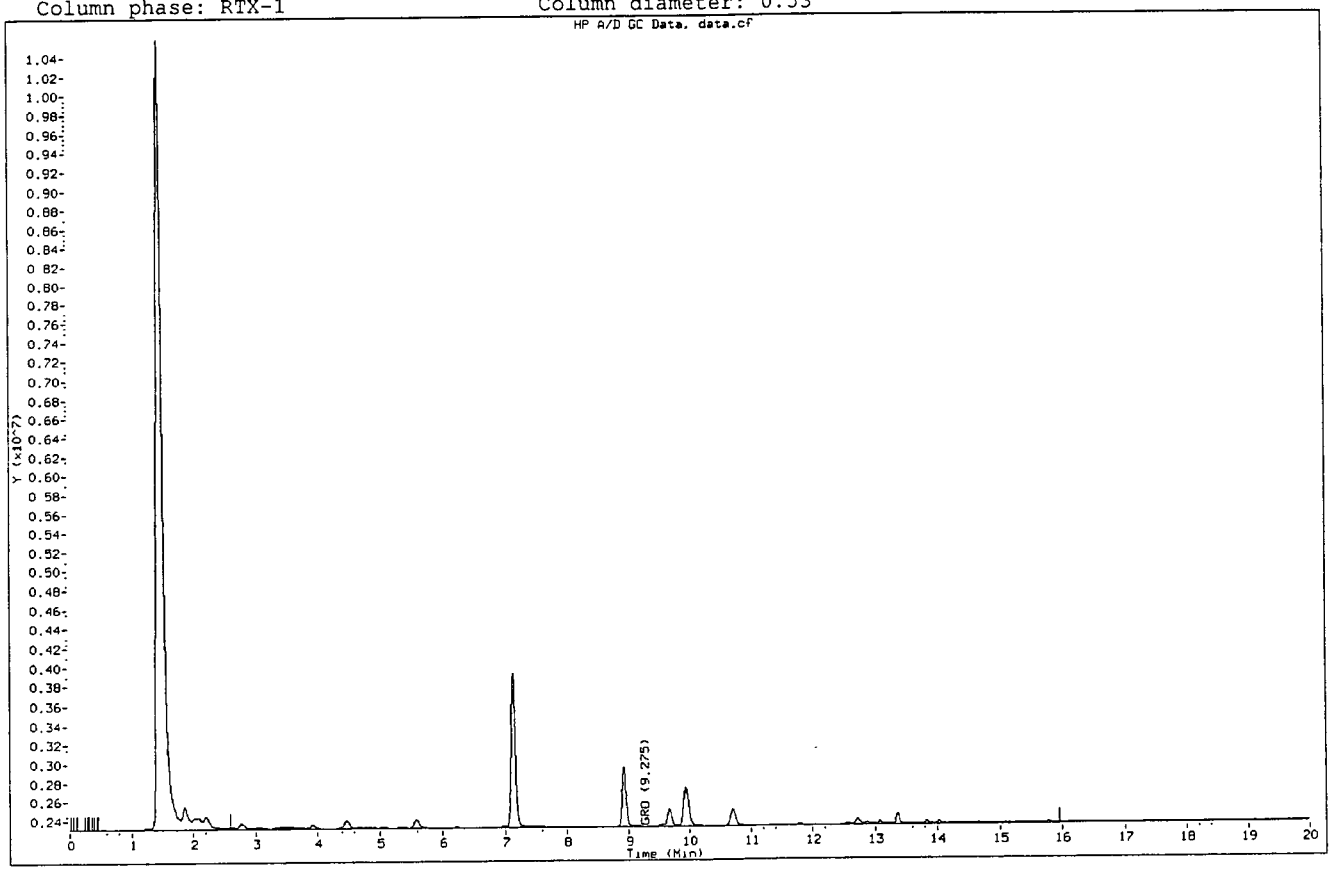
Processing Host: 10MICHAELIS

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
S 5 GRO	2.600	-15.950		105372979	521.853	26090

Data File: \\192.168.10.12\chem\10gcv1.i\020807a.b/f1-03925.d
Report Date: 02/09/2007
Client ID:
Instrument: 10gcv1.i
Sample Information: 1046040005 50x
Purge Volume:
Operator: MJM
Column phase: RTX-1
Column diameter: 0.53



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MBTEX - MODIFIED 8020

Data file : \\192.168.10.12\chem\10gcv1.i\020807a.b\p1-03925.d
Lab Smp Id: 1046040005
Inj Date : 09-FEB-2007 01:03
Operator : MJM Inst ID: 10gcv1.i
Smp Info : 1046040005 50x
Misc Info : 3816
Comment :
Method : \\192.168.10.12\chem\10gcv1.i\020807a.b\BTEX033.m
Meth Date : 09-Feb-2007 09:43 10gcv1.i Quant Type: ISTD
Cal Date : 02-FEB-2007 19:15 Cal File: p1-03316.d
Als bottle: 25
Dil Factor: 50.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10MICHAELIS

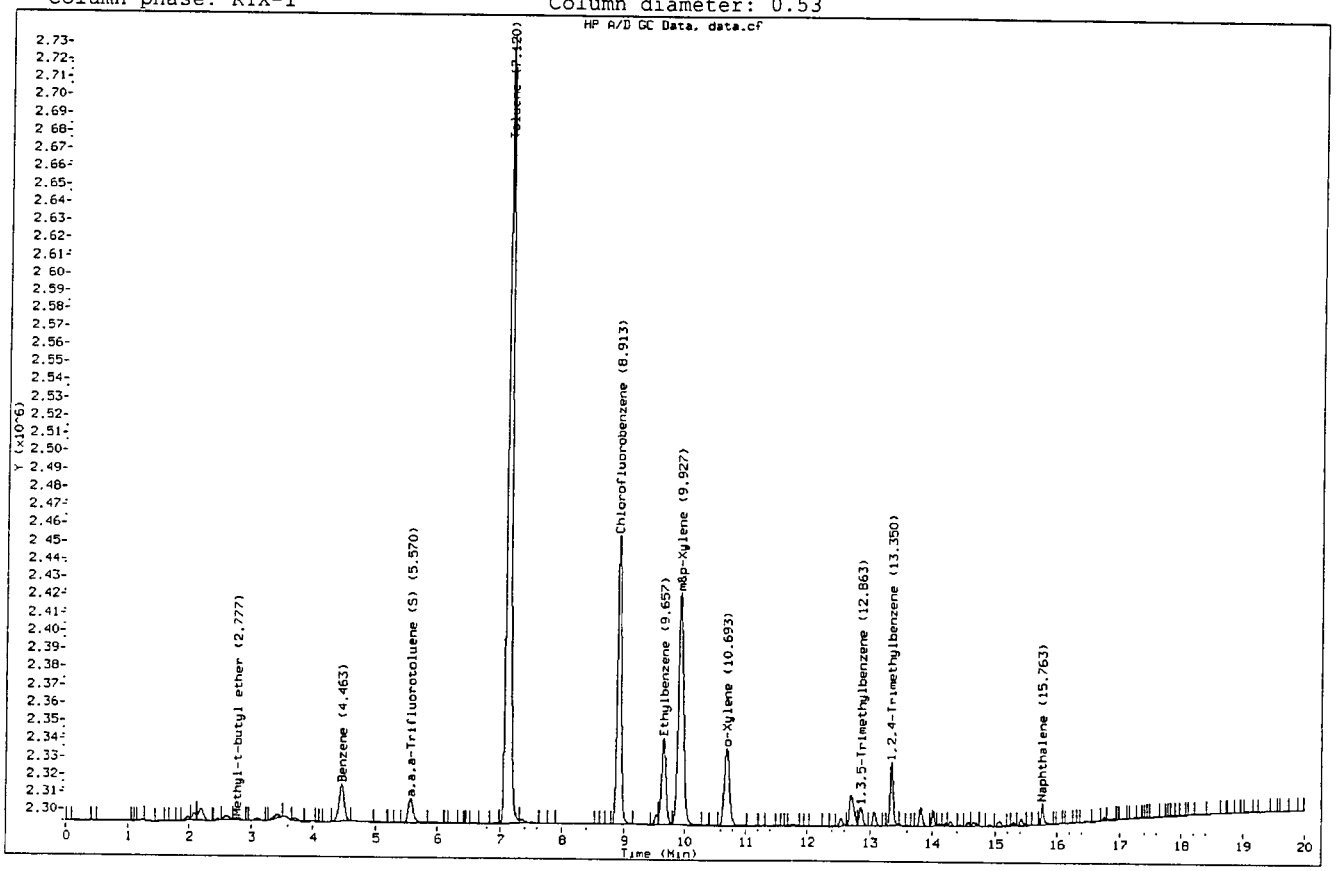
Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 Methyl-t-butyl ether	2.776	2.803	(0.312)	7543	1.49278	74.6
	2 Benzene	4.463	4.463	(0.501)	124195	10.4972	525
$	3 a,a,a-Trifluorotoluene (S)	5.570	5.570	(0.625)	79899	21.7889	21.8
	4 Toluene	7.120	7.120	(0.799)	2043799	184.919	9240
*	5 Chlorofluorobenzene	8.913	8.916	(1.000)	710280	100.000	
	6 Ethylbenzene	9.656	9.663	(1.083)	251462	26.6452	1330
	7 m&p-Xylene	9.926	9.940	(1.114)	790896	78.2317	3910
	8 o-Xylene	10.693	10.696	(1.200)	259584	28.8407	1440
M	9 Xylene (total)				1050480	107.072	5350
	10 1,3,5-Trimethylbenzene	12.863	12.866	(1.443)	39638	3.91292	196
	11 1,2,4-Trimethylbenzene	13.350	13.350	(1.498)	123383	15.2253	761
	12 Naphthalene	15.763	15.763	(1.769)	35289	5.94286	297(A)

QC Flag Legend

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

Data File: \\192.168.10.12\chem\10gcv1.i\020807a.b/p1-03925.d
Report Date: 02/09/2007
Client ID:
Instrument: 10gcv1.i
Sample Information: 1046040005 50x
Purge Volume:
Operator: MJM
Column phase: RTX-1
Column diameter: 0.53



Report Date: 09-Feb-2007 09:50

Pace Analytical

GAS RANGE ORGANICS MODIFIED 8015

Data file : \\192.168.10.12\chem\10gcv1.i\020807a.b\f1-03918.d

Lab Smp Id: 1046040006

Inj Date : 08-FEB-2007 22:09

Operator : MJM Inst ID: 10gcv1.i

Smp Info : 1046040006

Misc Info : 3816

Comment :

Method : \\192.168.10.12\chem\10gcv1.i\020807a.b\Gro033.m

Meth Date : 09-Feb-2007 09:44 10gcv1.i Quant Type: ESTD

Cal Date : 02-FEB-2007 19:15 Cal File: f1-03316.d

Als bottle: 18

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

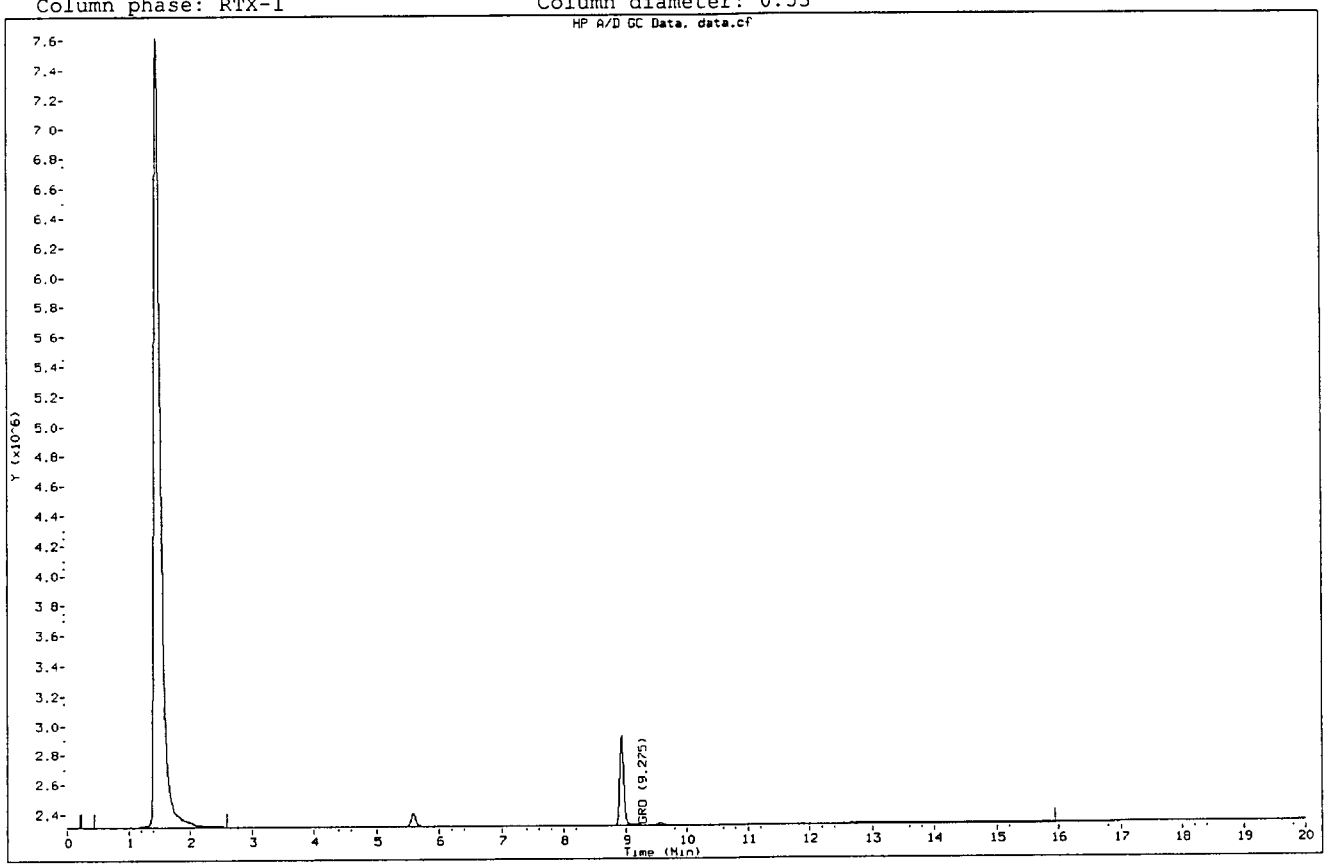
Processing Host: 10MICHAELIS

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	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv1.i\020807a.b/f1-03918.d
Report Date: 02/09/2007
Client ID: Instrument: 10gcv1.i
Sample Information: 1046040006
Purge Volume: Operator: MJM
Column phase: RTX-1 Column diameter: 0.53



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MBTEX - MODIFIED 8020

Data file : \\192.168.10.12\chem\10gcv1.i\020807a.b\p1-03918.d
Lab Smp Id: 1046040006
Inj Date : 08-FEB-2007 22:09
Operator : MJM Inst ID: 10gcv1.i
Smp Info : 1046040006
Misc Info : 3816
Comment :
Method : \\192.168.10.12\chem\10gcv1.i\020807a.b\BTEX033.m
Meth Date : 09-Feb-2007 09:43 10gcv1.i Quant Type: ISTD
Cal Date : 02-FEB-2007 19:15 Cal File: p1-03316.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10MICHAELIS

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

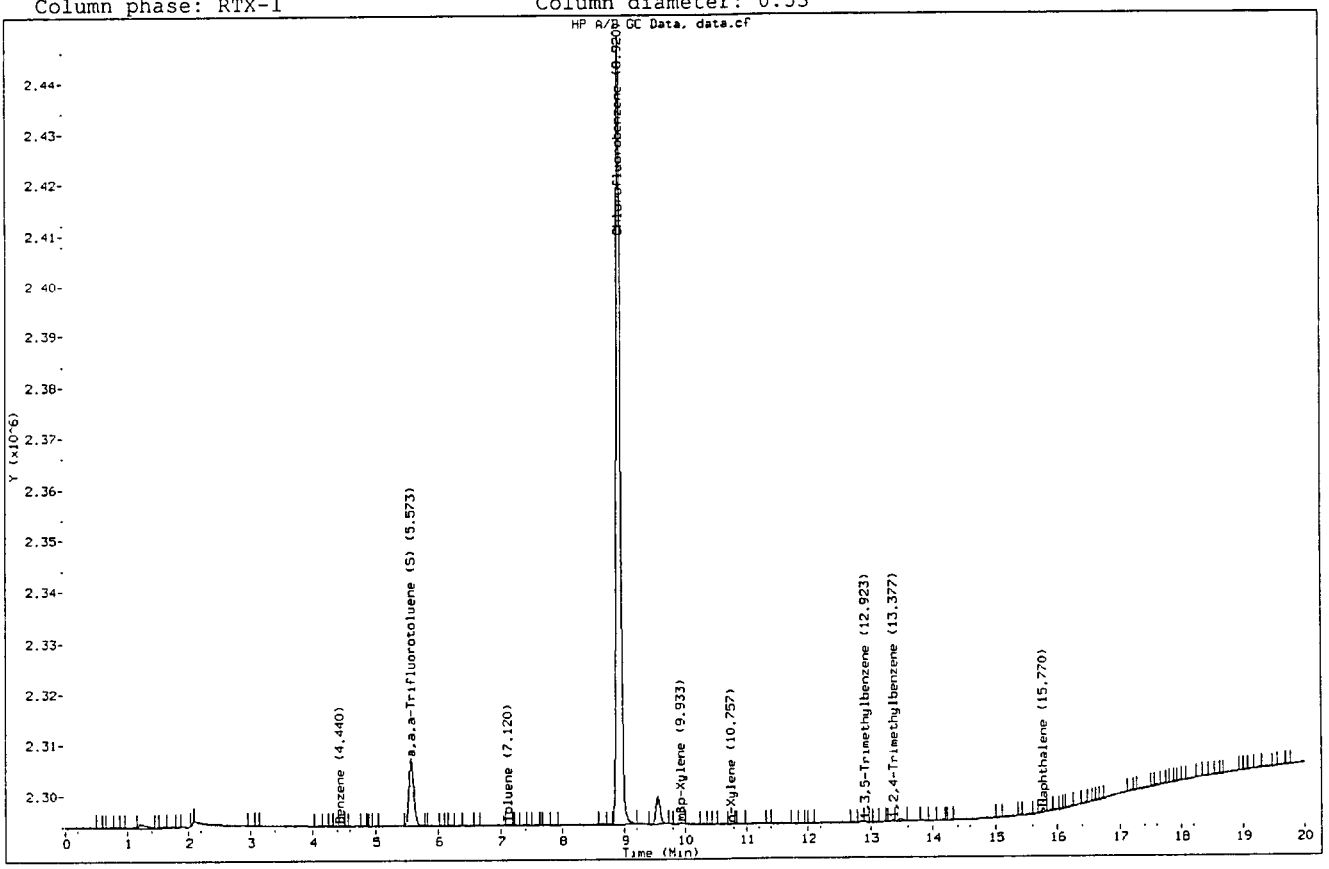
	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	4.440	4.463	(0.498)	1070	0.09256	0.0926(a)
$	3 a,a,a-Trifluorotoluene (S)	5.573	5.570	(0.625)	71943	20.0789	20.1
	4 Toluene	7.120	7.120	(0.798)	1003	0.09288	0.0929(a)
*	5 Chlorofluorobenzene	8.920	8.916	(1.000)	694021	100.000	
	6 Ethylbenzene	Compound Not Detected.					
	7 m&p-Xylene	9.933	9.940	(1.114)	1161	0.11753	0.118(a)
	8 o-Xylene	10.756	10.696	(1.206)	520	0.05913	0.0591(a)
M	9 Xylene (total)				1681	0.17666	0.177(a)
	10 1,3,5-Trimethylbenzene	12.923	12.866	(1.449)	436	0.04405	0.0440(a)
	11 1,2,4-Trimethylbenzene	13.376	13.350	(1.500)	1209	0.15268	0.153(a)
	12 Naphthalene	15.770	15.763	(1.768)	2473	0.42622	0.426(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: \\192.168.10.12\chem\10gcv1.i\020807a.b/p1-03918.d
Report Date: 02/09/2007
Client ID:
Instrument: 10gcv1.i
Sample Information: 1046040006
Purge Volume:
Operator: MJM
Column phase: RTX-1
Column diameter: 0.53



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May 23, 2007

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

RE: Project: BROOTEN, MN KC KWIK STOP
Pace Project No.: 1051568

Dear Scott Hunke:
Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2007. 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

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SAMPLE SUMMARY

Project: BROOTEN, MN KC KWIK STOP
Pace Project No : 1051568

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1051568001	MW-06	Water	05/08/07 10:24	05/11/07 17:45
1051568002	MW-04	Water	05/08/07 11 18	05/11/07 17:45
1051568003	MW-03	Water	05/09/07 08.43	05/11/07 17:45
1051568004	MW-05	Water	05/09/07 09 40	05/11/07 17:45
1051568005	MW-07	Water	05/09/07 09.50	05/11/07 17:45
1051568006	TRIP BLANK	Water	05/09/07 00:00	05/11/07 17 45

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SAMPLE ANALYTE COUNT

Project: BROOTEN, MN KC KWIK STOP
Pace Project No.: 1051568

Lab ID	Sample ID	Method	Analytes Reported
1051568001	MW-06	TPH WI GRO/PVOC 8021	6
1051568002	MW-04	TPH WI GRO/PVOC 8021	6
1051568003	MW-03	TPH WI GRO/PVOC 8021	6
1051568004	MW-05	TPH WI GRO/PVOC 8021	6
1051568005	MW-07	TPH WI GRO/PVOC 8021	6
1051568006	TRIP BLANK	TPH WI GRO/PVOC 8021	6

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ANALYTICAL RESULTS

Project: BROOTEN, MN KC KWIK STOP
Pace Project No: 1051568

Sample: MW-06 **Lab ID: 1051568001** Collected: 05/08/07 10:24 Received: 05/11/07 17:45 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		05/18/07 23:10	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		05/18/07 23:10	100-41-4	
Gasoline Range Organics	ND	ppb	100	1		05/18/07 23:10		
Toluene	ND	ppb	1.0	1		05/18/07 23:10	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		05/18/07 23:10	1330-20-7	
a,a,a-Trifluorotoluene (S)	103	%	80-141	1		05/18/07 23:10	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BROOTEN, MN KC KWIK STOP
Pace Project No.: 1051568

Sample: MW-04 **Lab ID: 1051568002** Collected: 05/08/07 11:18 Received: 05/11/07 17:45 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		05/18/07 23.36	71-43-2	
Ethylbenzene	**1.1**	ppb	1.0	1		05/18/07 23:36	100-41-4	
Gasoline Range Organics	**126**	ppb	100	1		05/18/07 23 36		
Toluene	**1.1**	ppb	1.0	1		05/18/07 23:36	108-88-3	
Xylene (Total)	**6.1**	ppb	3.0	1		05/18/07 23.36	1330-20-7	
a,a,a-Trifluorotoluene (S)	100	%	80-141	1		05/18/07 23:36	98-08-8	

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ANALYTICAL RESULTS

Project: BROOTEN, MN KC KWIK STOP
Pace Project No.: 1051568

Sample: MW-03 **Lab ID: 1051568003** Collected: 05/09/07 08:43 Received: 05/11/07 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: TPH WI GRO/PVOC 8021							
Benzene	**1.1**	ppb	1.0	1		05/22/07 20:58	71-43-2	
Ethylbenzene	**15.2**	ppb	1.0	1		05/22/07 20:58	100-41-4	
Gasoline Range Organics	**180**	ppb	100	1		05/22/07 20:58		
Toluene	ND	ppb	1.0	1		05/22/07 20:58	108-88-3	
Xylene (Total)	**7.2**	ppb	3.0	1		05/22/07 20:58	1330-20-7	
a,a,a-Trifluorotoluene (S)	111	%	80-141	1		05/22/07 20:58	98-08-8	

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ANALYTICAL RESULTS

Project: BROOTEN, MN KC KWIK STOP
Pace Project No.: 1051568

Sample: MW-05 **Lab ID: 1051568004** Collected. 05/09/07 09:40 Received: 05/11/07 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: TPH WI GRO/PVOC 8021							
Benzene	**413**	ppb	50.0	50		05/22/07 21:25	71-43-2	
Ethylbenzene	**622**	ppb	50.0	50		05/22/07 21 25	100-41-4	
Gasoline Range Organics	**12100**	ppb	5000	50		05/22/07 21.25		
Toluene	**5060**	ppb	50.0	50		05/22/07 21:25	108-88-3	
Xylene (Total)	**2910**	ppb	150	50		05/22/07 21:25	1330-20-7	
a,a,a-Trifluorotoluene (S)	98	%	80-141	50		05/22/07 21:25	98-08-8	

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ANALYTICAL RESULTS

Project: BROOTEN, MN KC KWIK STOP
Pace Project No.: 1051568

Sample: MW-07 **Lab ID: 1051568005** Collected: 05/09/07 09:50 Received: 05/11/07 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: TPH WI GRO/PVOC 8021							
Benzene	**663**	ppb	50 0	50		05/22/07 21.51	71-43-2	
Ethylbenzene	**1020**	ppb	50 0	50		05/22/07 21:51	100-41-4	
Gasoline Range Organics	**19100**	ppb	5000	50		05/22/07 21:51		
Toluene	**8040**	ppb	50.0	50		05/22/07 21:51	108-88-3	
Xylene (Total)	**4540**	ppb	150	50		05/22/07 21:51	1330-20-7	
a,a,a-Trifluorotoluene (S)	96	%	80-141	50		05/22/07 21:51	98-08-8	

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ANALYTICAL RESULTS

Project: BROOTEN, MN KC KWIK STOP
Pace Project No.: 1051568

Sample: TRIP BLANK **Lab ID: 1051568006** Collected: 05/09/07 00:00 Received: 05/11/07 17:45 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		05/22/07 12:34	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		05/22/07 12:34	100-41-4	
Gasoline Range Organics	ND	ppb	100	1		05/22/07 12:34		
Toluene	ND	ppb	1.0	1		05/22/07 12:34	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		05/22/07 12:34	1330-20-7	
a,a,a-Trifluorotoluene (S)	99	%	80-141	1		05/22/07 12:34	98-08-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BROOTEN, MN KC KWIK STOP
Pace Project No.: 1051568

QC Batch: GCV/4076
QC Batch Method: TPH WI GRO/PVOC 8021
Associated Lab Samples: 1051568001, 1051568002

Analysis Method: TPH WI GRO/PVOC 8021
Analysis Description: WIGRO GCV Water

METHOD BLANK: 342938
Associated Lab Samples. 1051568001, 1051568002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Benzene	ppb	ND	1.0	
Ethylbenzene	ppb	ND	1.0	
Gasoline Range Organics	ppb	ND	100	
Toluene	ppb	ND	1.0	
Xylene (Total)	ppb	ND	3.0	
a,a,a-Trifluorotoluene (S)	%	102	80-141	

LABORATORY CONTROL SAMPLE & LCSD: 342939 342940

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ppb	100	93 5	94.2	94	94	80-120	.7	20	
Ethylbenzene	ppb	100	99.9	100	100	100	80-120	.3	20	
Gasoline Range Organics	ppb	1000	1090	1070	109	107	80-120	2	20	
Toluene	ppb	100	93.7	95.2	94	95	80-120	2	20	
Xylene (Total)	ppb	300	305	305	102	102	80-120	.1	20	
a,a,a-Trifluorotoluene (S)	%				95	105	80-141			

MATRIX SPIKE SAMPLE: 342941

Parameter	Units	1051541001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ppb	ND	100	100	100	80-120	
Ethylbenzene	ppb	ND	100	97.7	98	80-120	
Gasoline Range Organics	ppb	ND	1000	902	90	80-120	
Toluene	ppb	ND	100	92.7	93	80-120	
Xylene (Total)	ppb	ND	300	249	83	80-120	
a,a,a-Trifluorotoluene (S)	%				106	80-141	

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QUALITY CONTROL DATA

Project: BROOTEN, MN KC KWIK STOP
Pace Project No.: 1051568

QC Batch: GCV/4088 Analysis Method: TPH WI GRO/PVOC 8021
QC Batch Method: TPH WI GRO/PVOC 8021 Analysis Description: WIGRO GCV Water
Associated Lab Samples: 1051568003, 1051568004, 1051568005, 1051568006

METHOD BLANK: 344010
Associated Lab Samples: 1051568003, 1051568004, 1051568005, 1051568006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Benzene	ppb	ND	1.0	
Ethylbenzene	ppb	ND	1.0	
Gasoline Range Organics	ppb	ND	100	
Toluene	ppb	ND	1.0	
Xylene (Total)	ppb	ND	3.0	
a,a,a-Trifluorotoluene (S)	%	102	80-141	

LABORATORY CONTROL SAMPLE & LCSD: 344011 344012

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ppb	100	92.6	104	93	104	80-120	12	20	
Ethylbenzene	ppb	100	98.2	108	98	108	80-120	10	20	
Gasoline Range Organics	ppb	1000	1050	1050	105	105	80-120	.8	20	
Toluene	ppb	100	93.0	104	93	104	80-120	11	20	
Xylene (Total)	ppb	300	299	331	100	110	80-120	10	20	
a,a,a-Trifluorotoluene (S)	%				99	97	80-141			

MATRIX SPIKE SAMPLE: 344030

Parameter	Units	1051548003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ppb	262 ug/L	500	752	98	80-120	
Ethylbenzene	ppb	128 ug/L	500	638	102	80-120	
Gasoline Range Organics	ppb			7700			
Toluene	ppb	46.6 ug/L	500	544	99	80-120	
Xylene (Total)	ppb	128 ug/L	1500	1710	105	80-120	
a,a,a-Trifluorotoluene (S)	%				104	80-141	

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QUALIFIERS

Project: BROOTEN, MN KC KWIK STOP
Pace Project No.: 1051568

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.

BATCH QUALIFIERS

Batch: GCV/4076

[1] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

CHAIN-OF-CUSTODY / Analytical Request Document

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

Pace Analytical®

1051568

Page: of 0993175

Section A
Required Client Information:

Company	COTEAM ENVIRONMENTAL
Address	728 JANES CIRCLE DR ALEXANDRIA, MN 56308
Email To:	
Phone	320-846-4668
Fax	605-882-4152
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	COTEAM
Copy To:	COTEAM
Purchase Order No.:	
Project Name:	RC KWIK STOP
Project Number:	13RCOTEA, MN

Section C
Invoice Information:

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

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

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

Section D
Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N) / Requested Analysis: BTEX	GRO	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW-06	WT	G	5/8/07	1024				3				✓					✓	✓		001
2	MW-04				1118				3				✓					✓	✓		002
3	MW-03			5/9/07	0843				3				✓					✓	✓		003
4	MW-05				0940				3				✓					✓	✓		004
5	MW-07				0950				3				✓					✓	✓		005
6	TRIP BLANK								2									✓	✓		006
7	TEMP BLANK								1												
8																					
9																					
10																					
11																					
12																					

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
	5/9/07	1200	Patti Anderson	5/11	1745	8.6

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: SCOTT HUMKE

SIGNATURE of SAMPLER: [redacted]

DATE Signed (MM/DD/YY): 5/10/07

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
[redacted]	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SEE [redacted] SE SID [redacted] NSTRU [redacted] S

ORIGINAL

ALL Q2320rev. 2.21Mar05

KC Kwik Stop
Project # 1051568

Report Date: 21-May-2007 08:17

Pace Analytical Services

MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\051807a.b\p6-13834.d

Lab Smp Id: 1051568001

Inj Date : 18-MAY-2007 23:10

Operator : CAN Inst ID: 10gcv3.i

Smp Info : 1051568001

Misc Info : 4076

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\051807a.b\BTEX113.m

Meth Date : 21-May-2007 08:07 cnowlan Quant Type: ISTD

Cal Date : 23-APR-2007 09:18 Cal File: p6-11303.d

Als bottle: 34

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

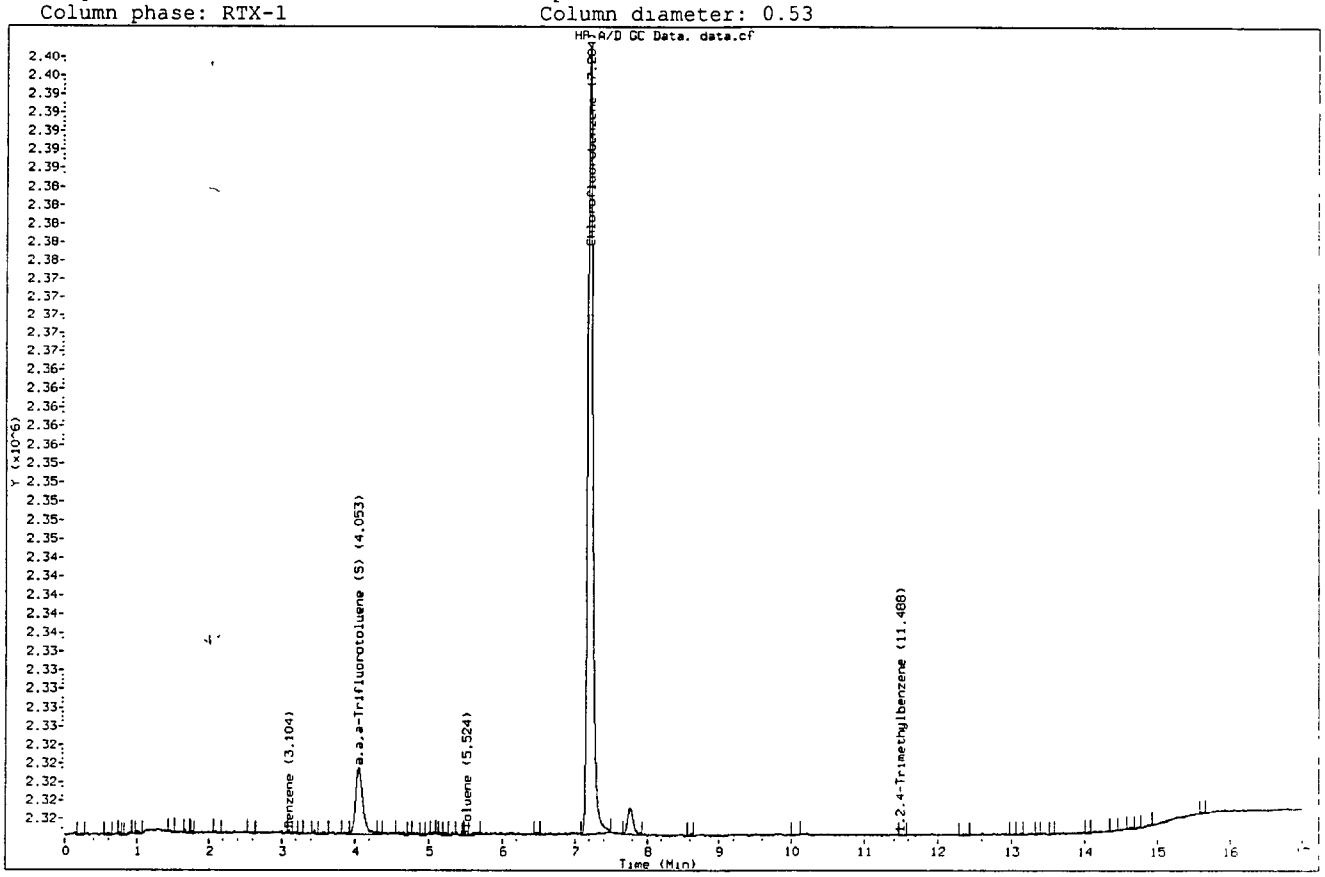
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	3.104	3.075	(0.431)	784	0.11560	0.116(a)
$	3 a,a,a-Trifluorotoluene (S)	4.053	4.058	(0.563)	49439	20.6300	20.6
	4 Toluene	5.524	5.534	(0.767)	862	0.12809	0.128(a)
*	5 Chlorofluorobenzene	7.204	7.204	(1.000)	412205	100.000	
	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	11.488	11.580	(1.595)	507	0.07538	0.0754(a)
	12 Naphthalene	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\051807a.b/p6-13834.d
Report Date: 05/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1051568001
Purge Volume: Operator: CAN
Column phase: RTX-1 Column diameter: 0.53



Report Date: 21-May-2007 08:27

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\051807a.b\f6-13834.d

Lab Smp Id: 1051568001

Inj Date : 18-MAY-2007 23:10

Operator : CAN Inst ID: 10gcv3.i

Smp Info : 1051568001

Misc Info : 4076

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\051807a.b\Gro113.m

Meth Date : 21-May-2007 08:27 10gcv3.i Quant Type: ESTD

Cal Date : 23-APR-2007 12:09 Cal File: f6-11310.d

Als bottle: 34

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

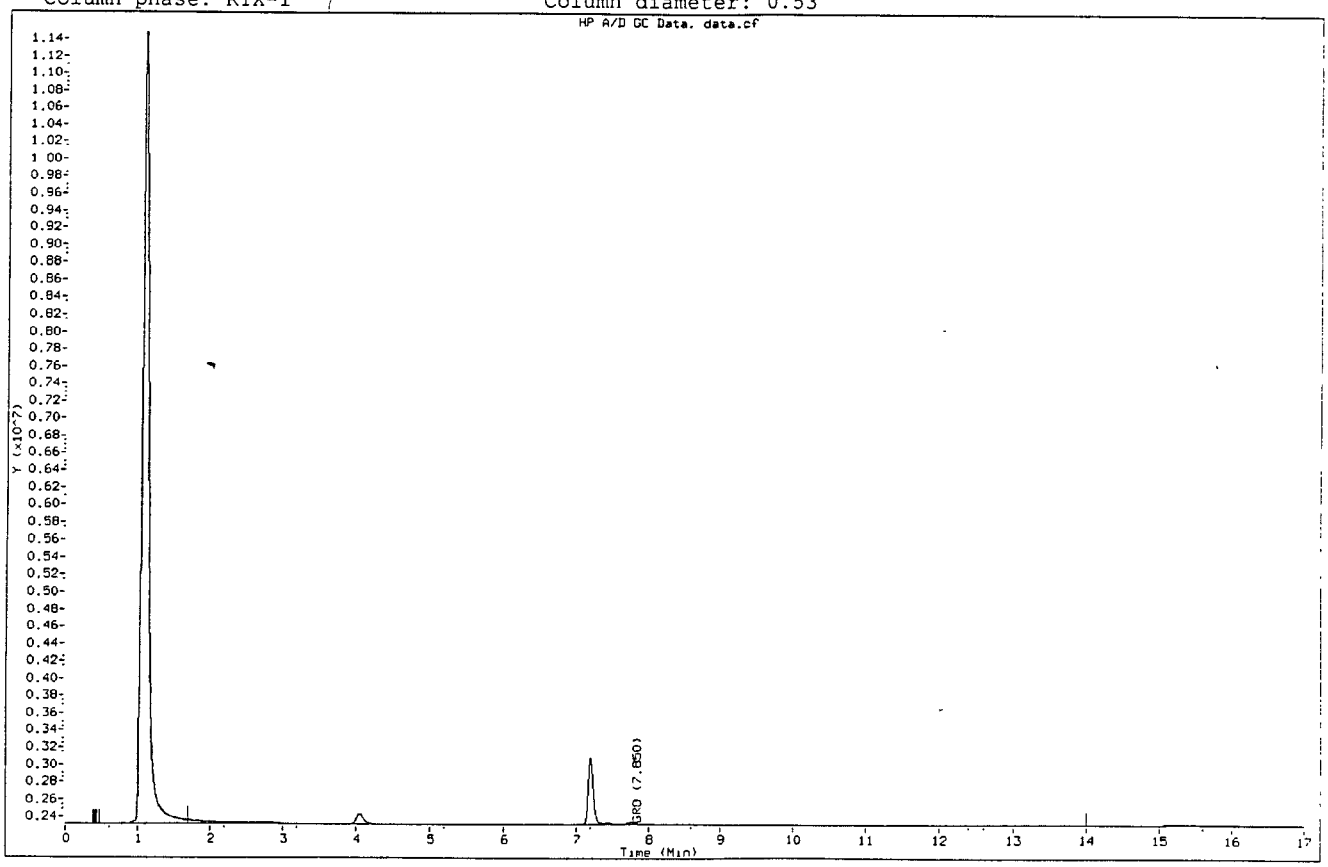
Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

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

Data File: \\192.168.10.12\chem\10gcv3.i\051807a.b/f6-13834.d
Report Date: 05/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1051568001
Purge Volume: Operator: CAN
Column phase: RTX-1 Column diameter: 0.53



Report Date: 21-May-2007 08:27

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\051807a.b\f6-13835.d

Lab Smp Id: 1051568002

Inj Date : 18-MAY-2007 23:36

Operator : CAN Inst ID: 10gcv3.i

Smp Info : 1051568002

Misc Info : 4076

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\051807a.b\Gro113.m

Meth Date : 21-May-2007 08:27 10gcv3.i Quant Type: ESTD

Cal Date : 23-APR-2007 12:09 Cal File: f6-11310.d

Als bottle: 35

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

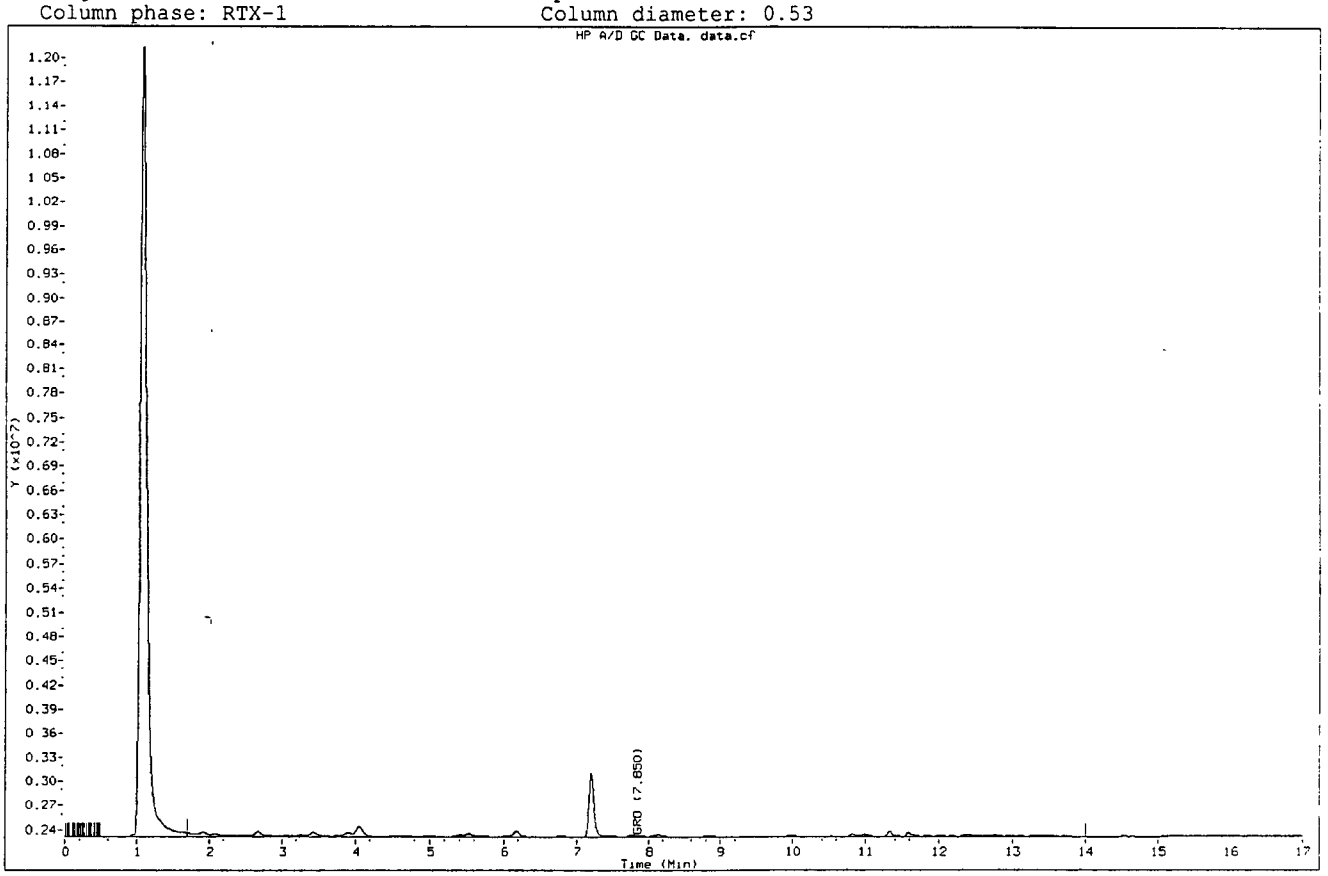
Processing Host: 10CNOWLAN

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 GRO	1.700-14.000		248654300	125.595	125.6

Data File: \\192.168.10.12\chem\10gcv3.i\051807a.b/f6-13835.d
Report Date: 05/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1051568002
Purge Volume: Operator: CAN
Column phase: RTX-1 Column diameter: 0.53



Report Date: 21-May-2007 08:17

Pace Analytical Services

MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\051807a.b\p6-13835.d

Lab Smp Id: 1051568002

Inj Date : 18-MAY-2007 23:36

Operator : CAN Inst ID: 10gcv3.i

Smp Info : 1051568002

Misc Info : 4076

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\051807a.b\BTEX113.m

Meth Date : 21-May-2007 08:07 cnowlan Quant Type: ISTD

Cal Date : 23-APR-2007 09:18 Cal File: p6-11303.d

Als bottle: 35

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

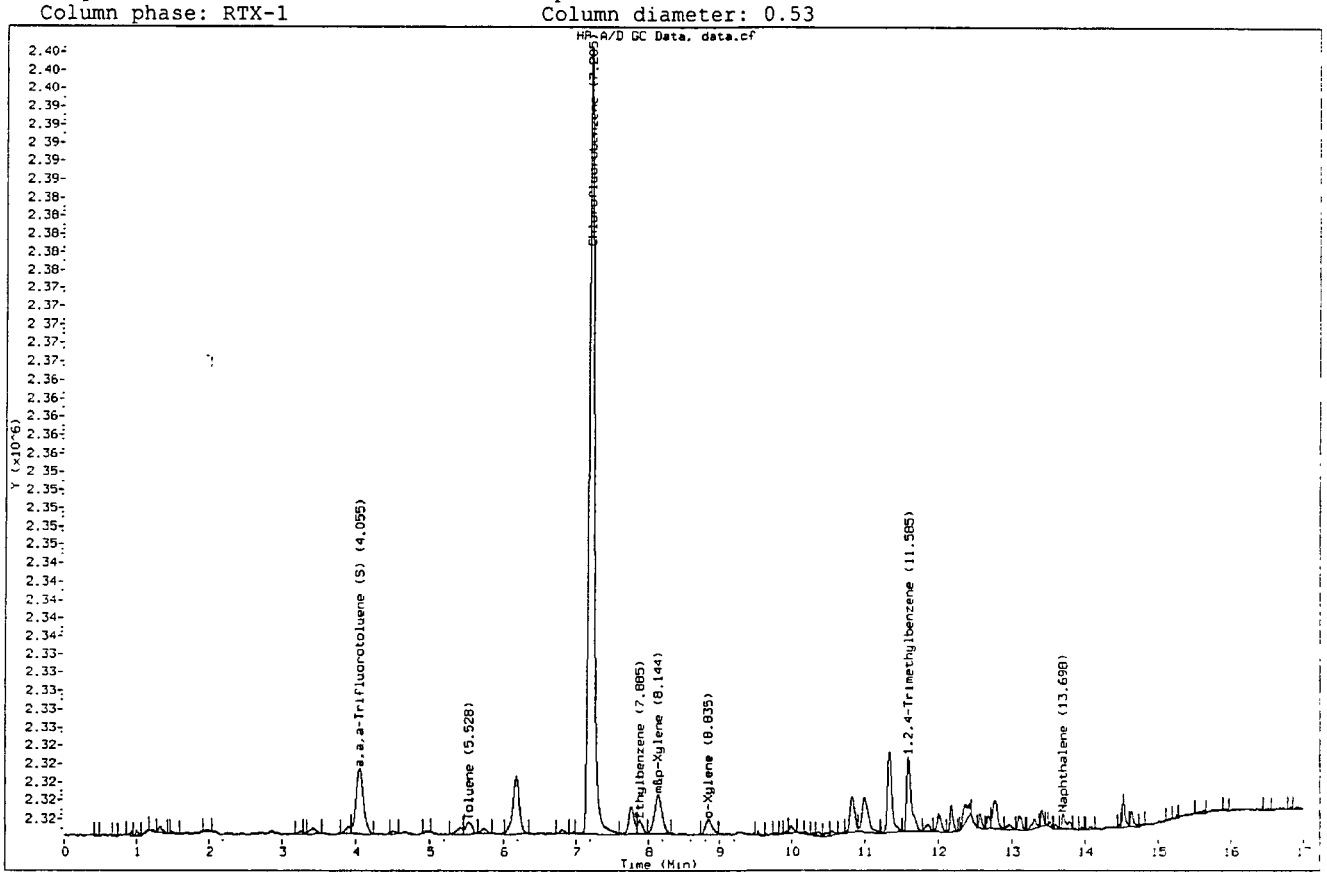
Cpnd Variable Local Compound Variable

	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	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	4.055	4.058	(0.563)	48720	19.9576	20.0
	4 Toluene	5.528	5.534	(0.767)	7714	1.12532	1.12
*	5 Chlorofluorobenzene	7.205	7.204	(1.000)	419896	100.000	
	6 Ethylbenzene	7.885	7.884	(1.094)	6592	1.08327	1.08
	7 m&p-Xylene	8.144	8.139	(1.130)	30452	4.36078	4.36
	8 o-Xylene	8.835	8.831	(1.226)	10374	1.76009	1.76
M	9 Xylene (total)				40826	6.12086	6.12
	10 1,3,5-Trimethylbenzene	Compound Not Detected.					
	11 1,2,4-Trimethylbenzene	11.585	11.580	(1.608)	36632	5.34674	5.35
	12 Naphthalene	13.698	13.690	(1.901)	7780	1.73710	1.74(A)

QC Flag Legend

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

Data File: \\192.168.10.12\chem\10gcv3.i\051807a.b/p6-13835.d
Report Date: 05/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1051568002
Purge Volume: Operator: CAN
Column phase: RTX-1 Column diameter: 0.53



Report Date: 23-May-2007 07:39

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\052207a.b\f6-14223.d

Lab Smp Id: 1051568003

Inj Date : 22-MAY-2007 20:58

Operator : CAN Inst ID: 10gcv3.i

Smp Info : 1051568003

Misc Info : 4088

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\052207a.b\Gro113.m

Meth Date : 23-May-2007 07:39 10gcv3.i Quant Type: ESTD

Cal Date : 23-APR-2007 12:09 Cal File: f6-11310.d

Als bottle: 23

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

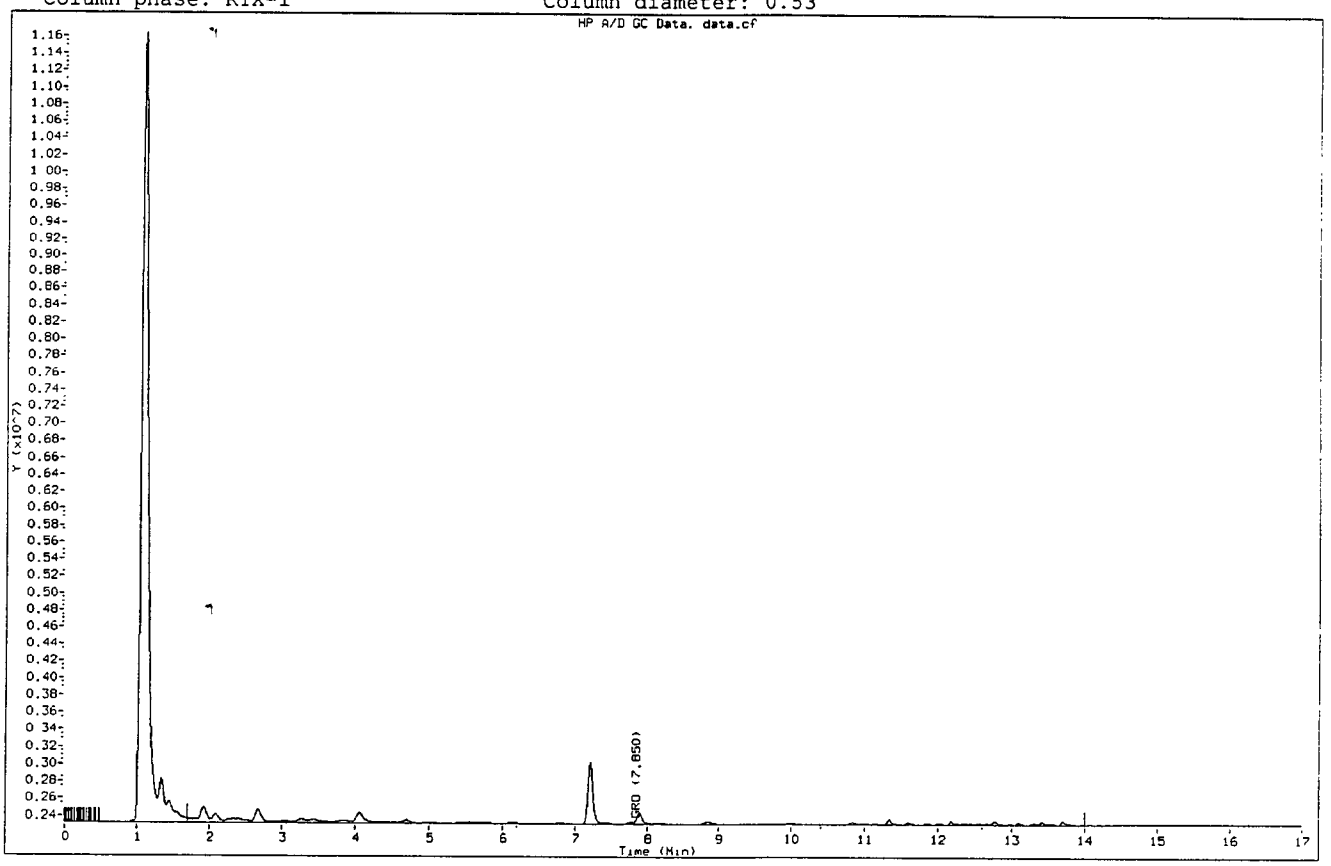
Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
S 5 GRO	1.700-14.000			293581394	180.235	180.2

Data File: \\192.168.10.12\chem\10gcv3.i\052207a.b/f6-14223.d
Report Date: 05/23/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1051568003
Purge Volume: Operator: CAN
Column phase: RTX-1 Column diameter: 0.53



Report Date: 23-May-2007 07:26

Pace Analytical Services

MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\052207a.b\p6-14223.d

Lab Smp Id: 1051568003

Inj Date : 22-MAY-2007 20:58

Operator : CAN Inst ID: 10gcv3.i

Smp Info : 1051568003

Misc Info : 4088

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\052207a.b\BTEX113.m

Meth Date : 23-May-2007 07:12 cnowlan Quant Type: ISTD

Cal Date : 23-APR-2007 09:18 Cal File: p6-11303.d

Als bottle: 23

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

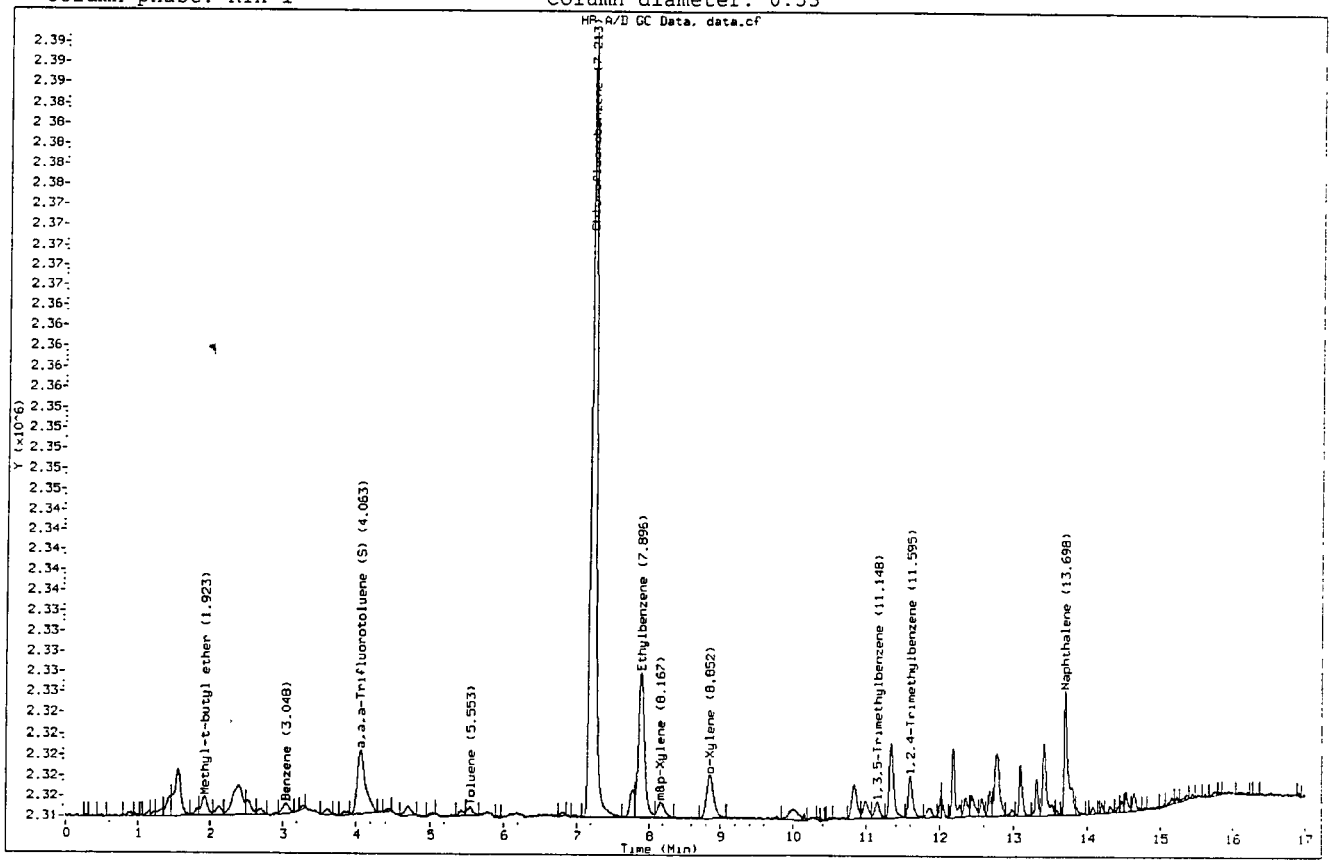
	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	1 Methyl-t-butyl ether	1.923	1.887	(0.267)	10636	4 43716	4.44
	2 Benzene	3.048	3.086	(0.423)	6638	1.06328	1.06
$	3 a,a,a-Trifluorotoluene (S)	4.062	4.065	(0.563)	49056	22.2386	22.2
	4 Toluene	5.552	5.548	(0.770)	4656	0.75166	0.752(a)
*	5 Chlorofluorobenzene	7.212	7.217	(1.000)	379427	100.000	
	6 Ethylbenzene	7.895	7.899	(1.095)	83394	15.1659	15.2
	7 m&p-Xylene	8.166	8.156	(1.132)	10473	1.65971	1.66
	8 o-Xylene	8.851	8.847	(1.227)	29534	5.54528	5.54
M	9 Xylene (total)				40007	7.20499	7.20
	10 1,3,5-Trimethylbenzene	11.147	11.140	(1.546)	7307	0.92567	0.926(a)
	11 1,2,4-Trimethylbenzene	11.595	11.588	(1.608)	16777	2.70992	2.71
	12 Naphthalene	13.698	13.695	(1.899)	45088	11.1409	11.1(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: \\192.168.10.12\chem\10gcv3.i\052207a.b/p6-14223.d
Report Date: 05/23/2007
Client ID:
Instrument: 10gcv3.i
Sample Information: 1051568003
Purge Volume:
Operator: CAN
Column phase: RTX-1
Column diameter: 0.53



Report Date: 23-May-2007 07:26

Pace Analytical Services

MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\052207a.b\p6-14224.d

Lab Smp Id: 1051568004

Inj Date : 22-MAY-2007 21:25

Operator : CAN Inst ID: 10gcv3.i

Smp Info : 1051568004 50x

Misc Info : 4088

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\052207a.b\BTEX113.m

Meth Date : 23-May-2007 07:12 cnowlan Quant Type: ISTD

Cal Date : 23-APR-2007 09:18 Cal File: p6-11303.d

Als bottle: 24

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

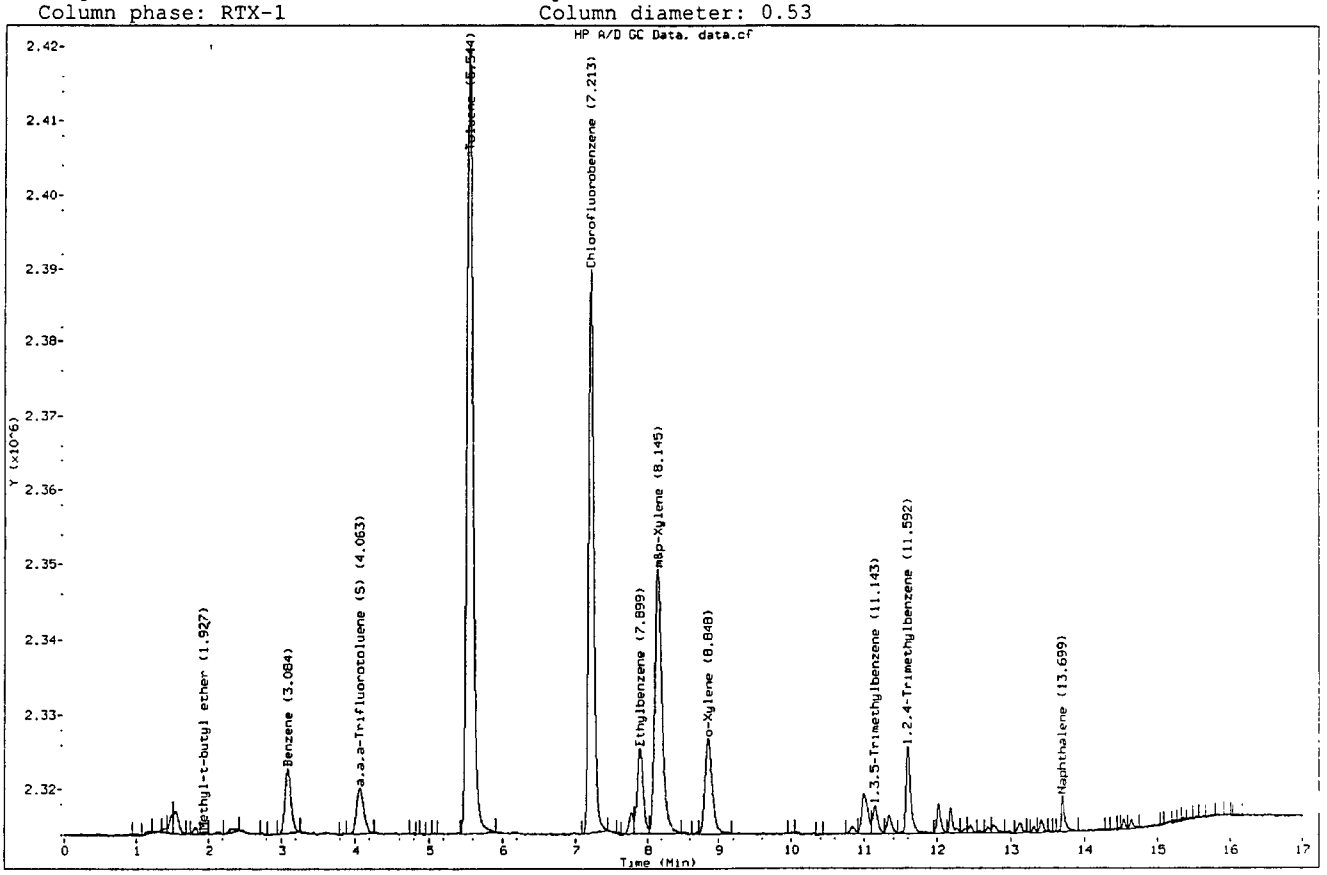
	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	1 Methyl-t-butyl ether	1.926	1.887	(0.267)	1443	0.62026	31.0(a)
	2 Benzene	3.084	3.086	(0.428)	50046	8.25957	413
$	3 a,a,a-Trifluorotoluene (S)	4.062	4.065	(0.563)	41847	19.5461	19 5
	4 Toluene	5.544	5.548	(0.769)	608250	101.174	5060
*	5 Chlorofluorobenzene	7.212	7.217	(1.000)	368255	100.000	
	6 Ethylbenzene	7.899	7.899	(1.095)	66443	12.4498	622
	7 m&p-Xylene	8.145	8.156	(1.129)	248280	40.5399	2030
	8 o-Xylene	8.847	8.847	(1.227)	91100	17.6238	881
M	9 Xylene (total)				339380	58.1637	2910
	10 1,3,5-Trimethylbenzene	11.143	11.140	(1.545)	18024	2.35261	118
	11 1,2,4-Trimethylbenzene	11.591	11.588	(1.607)	51772	8.61621	431
	12 Naphthalene	13.699	13.695	(1.899)	15568	3.96342	198(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: \\192.168.10.12\chem\10gcv3.i\052207a.b/p6-14224.d
Report Date: 05/23/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1051568004 50x
Purge Volume: Operator: CAN
Column phase: RTX-1 Column diameter: 0.53



Report Date: 23-May-2007 07:39

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\052207a.b\f6-14224.d

Lab Smp Id: 1051568004

Inj Date : 22-MAY-2007 21:25

Operator : CAN Inst ID: 10gcv3.i

Smp Info : 1051568004 50x

Misc Info : 4088

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\052207a.b\Gro113.m

Meth Date : 23-May-2007 07:39 10gcv3.i Quant Type: ESTD

Cal Date : 23-APR-2007 12:09 Cal File: f6-11310.d

Als bottle: 24

Dil Factor: 50.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

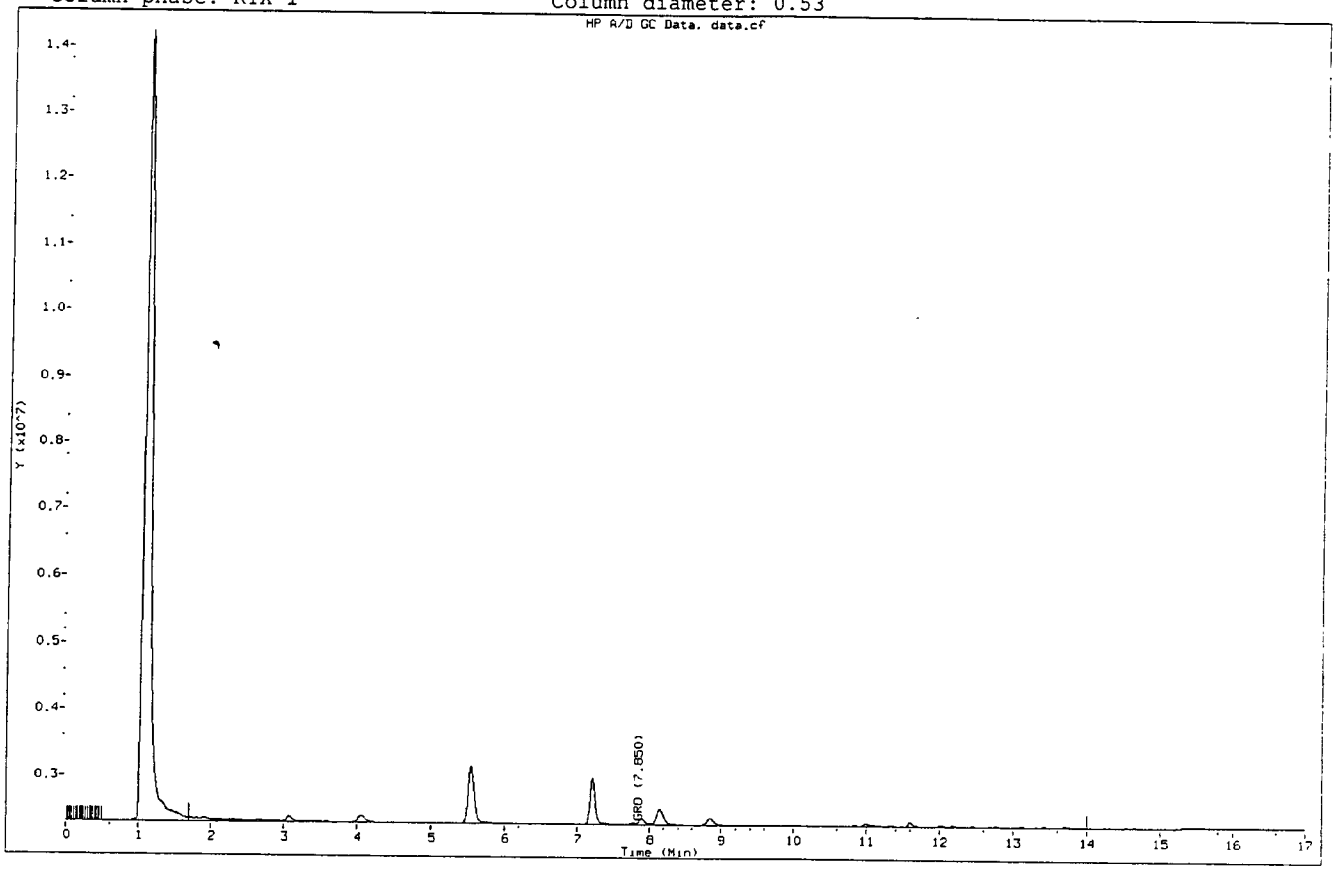
Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
S 5 GRO	1.700-14.000			344014485	241.571	12080

Data File: \\192.168.10.12\chem\10gcv3.i\052207a.b/f6-14224.d
Report Date: 05/23/2007
Client ID:
Instrument: 10gcv3.i
Sample Information: 1051568004 50x
Purge Volume:
Operator: CAN
Column phase: RTX-1
Column diameter: 0.53



Report Date: 23-May-2007 07:26

Pace Analytical Services

MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\052207a.b\p6-14225.d
Lab Smp Id: 1051568005
Inj Date : 22-MAY-2007 21:51
Operator : CAN Inst ID: 10gcv3.i
Smp Info : 1051568005 50x
Misc Info : 4088
Comment :
Method : \\192.168.10.12\chem\10gcv3.i\052207a.b\BTEX113.m
Meth Date : 23-May-2007 07:12 cnowlan Quant Type: ISTD
Cal Date : 23-APR-2007 09:18 Cal File: p6-11303.d
Als bottle: 25
Dil Factor: 50.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10CNOWLAN

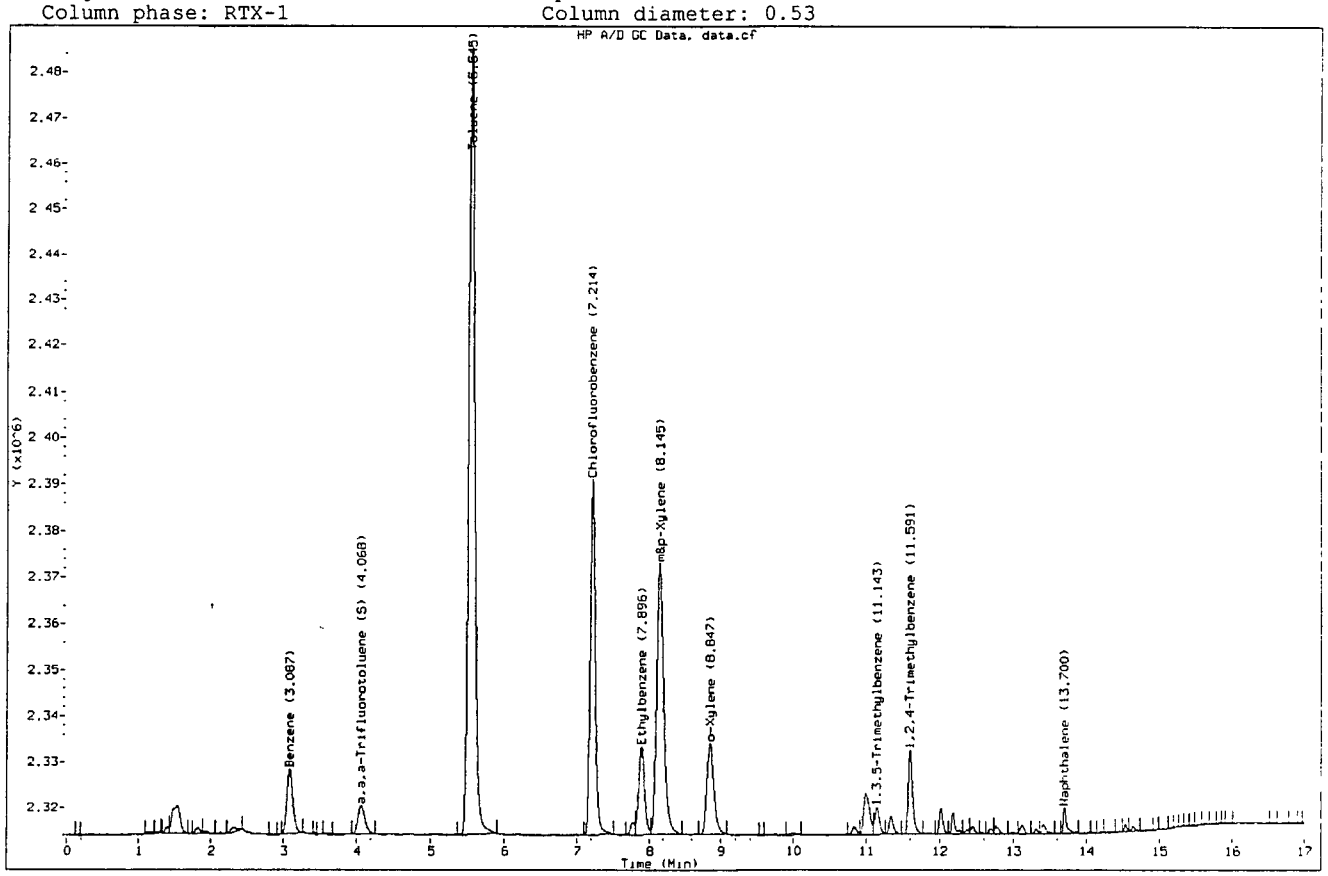
Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	3.086	3.086	(0.428)	80747	13.2506	662
$	3 a,a,a-Trifluorotoluene (S)	4.068	4.065	(0.564)	41499	19.2732	19.3
	4 Toluene	5.545	5.548	(0.769)	972684	160.872	8040
*	5 Chlorofluorobenzene	7.214	7.217	(1.000)	370362	100.000	
	6 Ethylbenzene	7.895	7.899	(1.094)	108980	20.3041	1020
	7 m&p-Xylene	8.145	8.156	(1.129)	400776	65.0677	3250
	8 o-Xylene	8.846	8.847	(1.226)	133943	25.7646	1290
M	9 Xylene (total)				534719	90.8322	4540
	10 1,3,5-Trimethylbenzene	11.142	11.140	(1.545)	27114	3.51896	176
	11 1,2,4-Trimethylbenzene	11.590	11.588	(1.607)	74701	12.3615	618
	12 Naphthalene	13.700	13.695	(1.899)	18218	4.61169	230(A)

QC Flag Legend

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

Data File: \\192.168.10.12\chem\10gcv3.i\052207a.b/p6-14225.d
Report Date: 05/23/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1051568005 50x
Purge Volume: Operator: CAN
Column phase: RTX-1 Column diameter: 0.53



Report Date: 23-May-2007 07:39

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\052207a.b\f6-14225.d

Lab Smp Id: 1051568005

Inj Date : 22-MAY-2007 21:51

Operator : CAN Inst ID: 10gcv3.i

Smp Info : 1051568005 50x

Misc Info : 4088

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\052207a.b\Gro113.m

Meth Date : 23-May-2007 07:39 10gcv3.i Quant Type: ESTD

Cal Date : 23-APR-2007 12:09 Cal File: f6-11310.d

Als bottle: 25

Dil Factor: 50.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10CNOWLAN

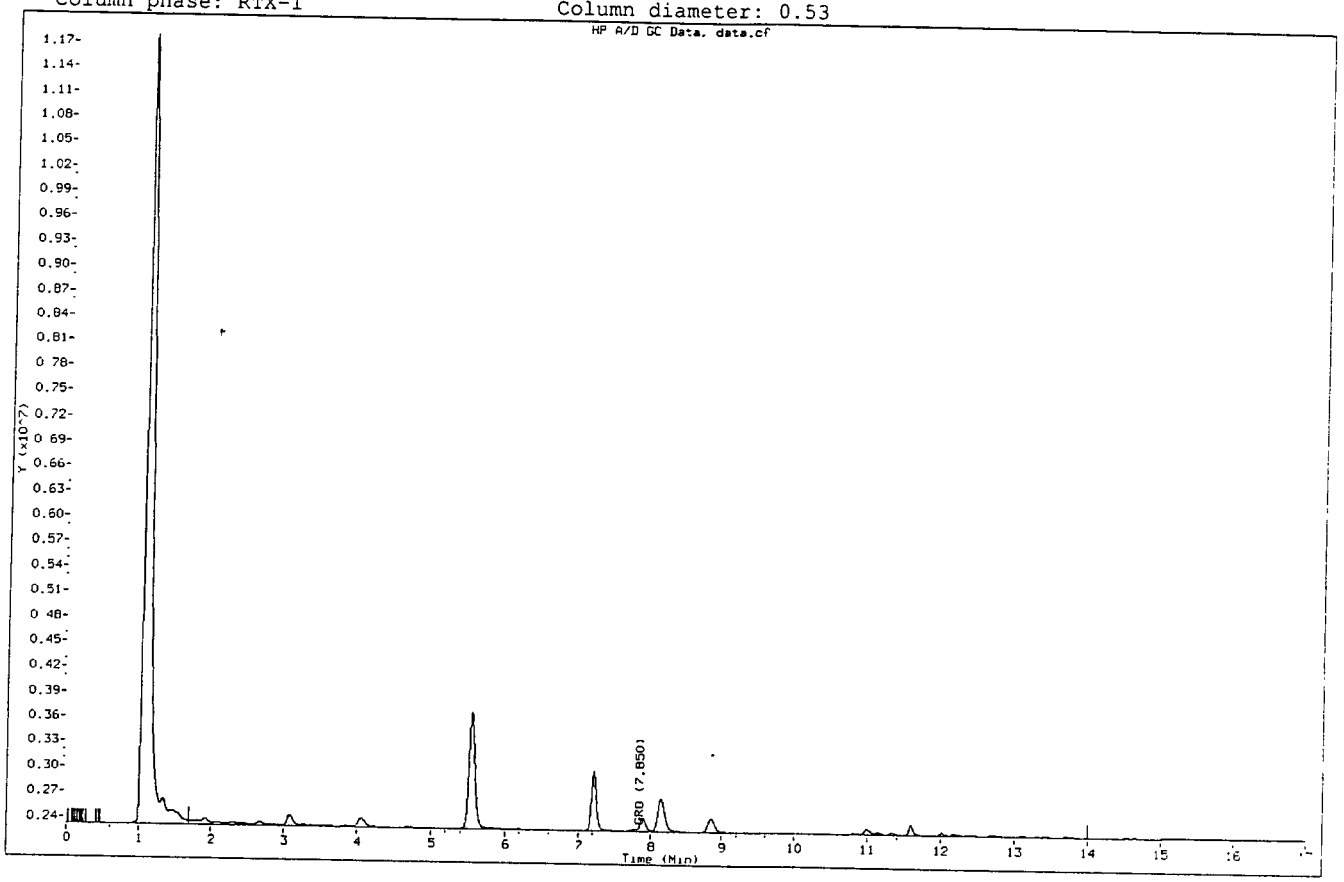
Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
S 5 GRO	1.700-14.000			458692101	381.041	19050

Data File: \\192.168.10.12\chem\10gcv3.i\052207a.b/f6-14225.d
Report Date: 05/23/2007
Client ID:
Sample Information: 1051568005 50x
Purge Volume:
Column phase: RTX-1

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



Report Date: 23-May-2007 07:39

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Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\052207a.b\f6-14204.d

Lab Smp Id: 1051568006

Inj Date : 22-MAY-2007 12:34

Operator : CAN Inst ID: 10gcv3.i

Smp Info : 1051568006

Misc Info : 4088

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\052207a.b\Gro113.m

Meth Date : 23-May-2007 07:39 10gcv3.i Quant Type: ESTD

Cal Date : 23-APR-2007 12:09 Cal File: f6-11310.d

Als bottle: 4

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

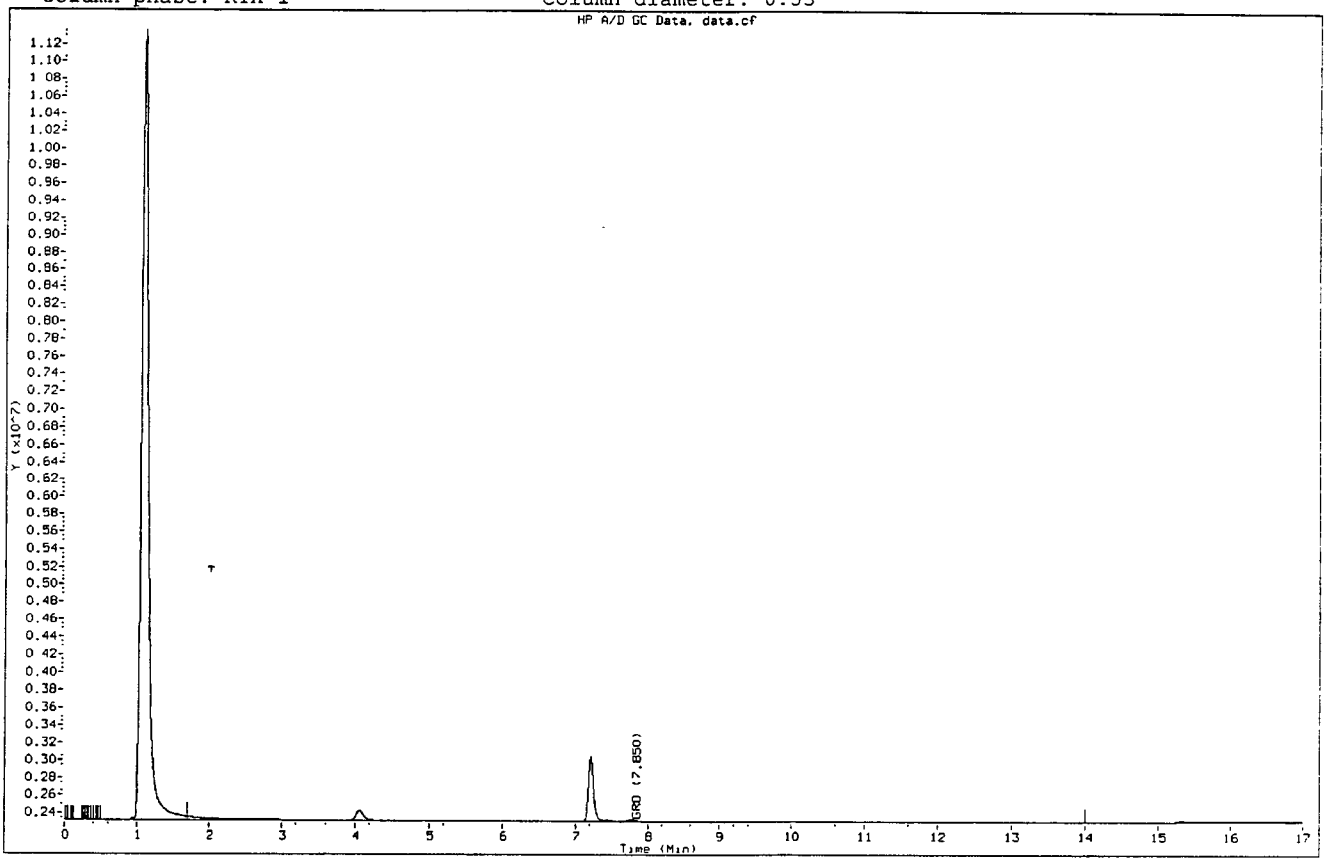
Processing Host: 10CNOWLAN

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

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

Data File: \\192.168.10.12\chem\10gcv3.i\052207a.b/f6-14204.d
Report Date: 05/23/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1051568006
Purge Volume: Operator: CAN
Column phase: RTX-1 Column diameter: 0.53



Report Date: 23-May-2007 07:26

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MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\052207a.b\p6-14204.d

Lab Smp Id: 1051568006

Inj Date : 22-MAY-2007 12:34

Operator : CAN Inst ID: 10gcv3.i

Smp Info : 1051568006

Misc Info : 4088

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\052207a.b\BTEX113.m

Meth Date : 23-May-2007 07:12 cnowlan Quant Type: ISTD

Cal Date : 23-APR-2007 09:18 Cal File: p6-11303.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

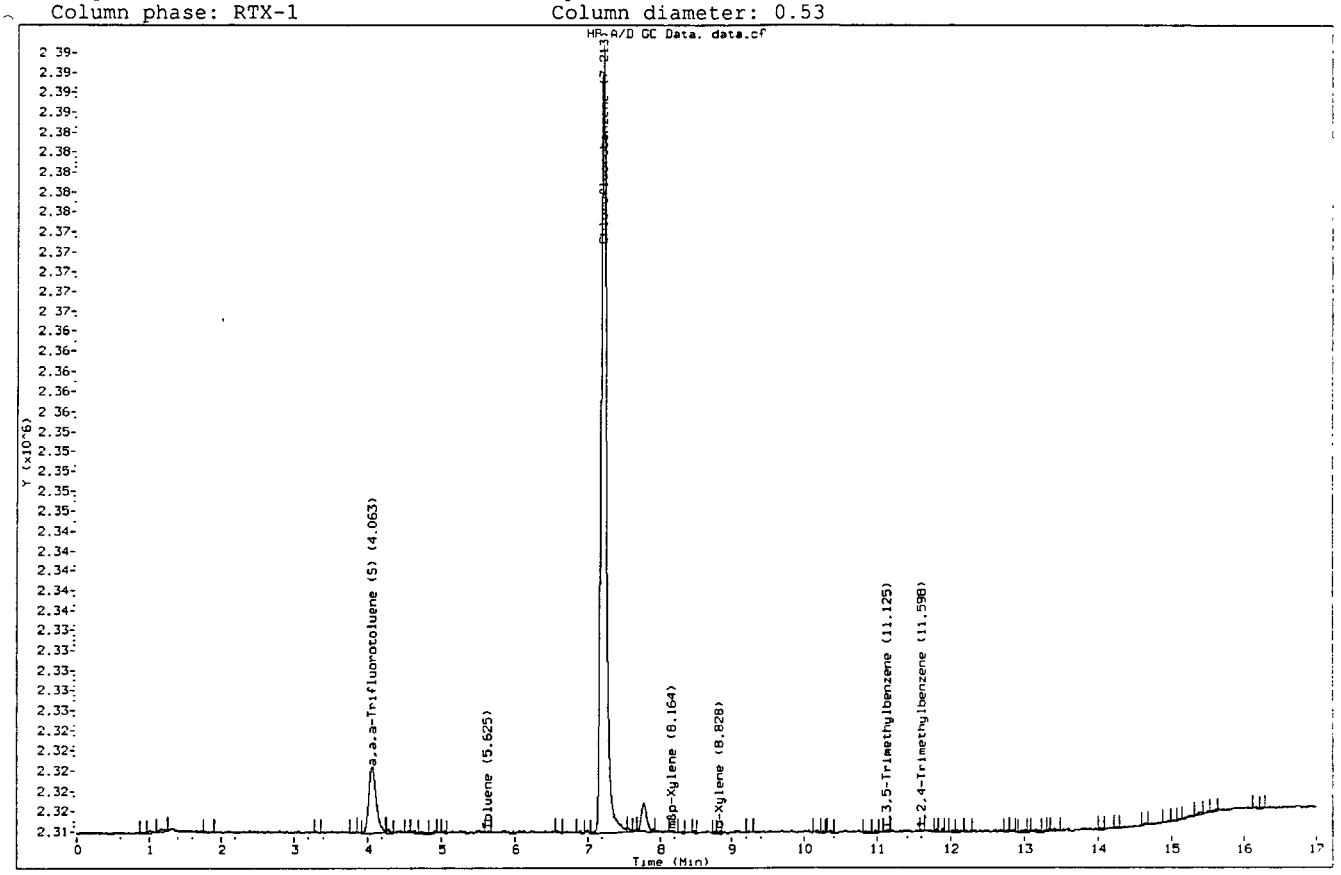
	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	4.063	4.065	(0.563)	46038	19.7810	19 8(M)
	4 Toluene	5.625	5.548	(0.780)	453	0.06931	0.0693(a)
*	5 Chlorofluorobenzene	7.212	7.217	(1.000)	400325	100.000	
	6 Ethylbenzene	Compound Not Detected.					
	7 m&p-Xylene	8.164	8.156	(1.132)	738	0.11085	0.111(a)
	8 o-Xylene	8.828	8.847	(1.224)	850	0.15126	0.151(a)
M	9 Xylene (total)				1588	0.26211	0.262(a)
	10 1,3,5-Trimethylbenzene	11.125	11.140	(1.542)	705	0.08465	0.0846(a)
	11 1,2,4-Trimethylbenzene	11.598	11.588	(1.608)	438	0.06706	0.0670(a)
	12 Naphthalene	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcv3.i\052207a.b/p6-14204.d
Report Date: 05/23/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1051568006
Purge Volume: Operator: CAN
Column phase: RTX-1 Column diameter: 0.53



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May 17, 2007

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

RE: Project: KC KWIK STOP
Pace Project No.: 1051570

Dear Scott Hunke:
Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2007. 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

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PROJECT NARRATIVE

Project: KC KWIK STOP
Pace Project No.: 1051570

Method: **TO-15**
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: May 17, 2007

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.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: AIR/5574

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
- DUP (Lab ID: 341472)
  - Propylene

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:

K3: The Total Hydrocarbon (THC) pattern is evenly distributed throughout the chromatogram (before and after toluene).
- 110 S. WESTERN AVE (Lab ID: 1051570001)

Analyte Comments:

QC Batch: AIR/5574

E: Analyte concentration exceeded the calibration range. The reported result is estimated.
- 110 S. WESTERN AVE (Lab ID: 1051570001)
  - Propylene

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PROJECT NARRATIVE

Project: KC KWIK STOP
Pace Project No.: 1051570

Method: **TO-15**
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: May 17, 2007

This data package has been reviewed for quality and completeness and is approved for release.

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SAMPLE SUMMARY

Project: KC KWIK STOP
Pace Project No.: 1051570

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1051570001	**110 S. WESTERN AVE**	Air	05/08/07 09:00	05/11/07 17:45

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SAMPLE ANALYTE COUNT

Project: KC KWIK STOP
Pace Project No.: 1051570

Lab ID	Sample ID	Method	Analytes Reported
1051570001	**110 S. WESTERN AVE**	TO-15	58

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ANALYTICAL RESULTS

Project: KC KWIK STOP
Pace Project No.: 1051570

Sample: 110 S. WESTERN AVE **Lab ID: 1051570001** Collected: 05/08/07 09:00 Received: 05/11/07 17:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**64.4**	ug/m3	0.69	1.43		05/14/07 18:30	67-64-1	
Benzene	ND	ug/m3	0.93	1.43		05/14/07 18:30	71-43-2	
Bromodichloromethane	ND	ug/m3	2.0	1.43		05/14/07 18:30	75-27-4	
Bromoform	ND	ug/m3	3.0	1.43		05/14/07 18:30	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.43		05/14/07 18:30	74-83-9	
1,3-Butadiene	ND	ug/m3	0.64	1.43		05/14/07 18:30	106-99-0	
2-Butanone (MEK)	**4.8**	ug/m3	0.86	1.43		05/14/07 18:30	78-93-3	
Carbon disulfide	ND	ug/m3	0.90	1.43		05/14/07 18:30	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.9	1.43		05/14/07 18:30	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.43		05/14/07 18:30	108-90-7	
Chloroethane	ND	ug/m3	0.77	1.43		05/14/07 18:30	75-00-3	
Chloroform	ND	ug/m3	1.4	1.43		05/14/07 18:30	67-66-3	
Chloromethane	ND	ug/m3	0.60	1.43		05/14/07 18:30	74-87-3	
Cyclohexane	ND	ug/m3	0.97	1.43		05/14/07 18:30	110-82-7	
Dibromochloromethane	ND	ug/m3	2.4	1.43		05/14/07 18:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.3	1.43		05/14/07 18:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	1.43		05/14/07 18:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	1.43		05/14/07 18:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.7	1.43		05/14/07 18:30	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.4	1.43		05/14/07 18:30	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.2	1.43		05/14/07 18:30	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.2	1.43		05/14/07 18:30	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.2	1.43		05/14/07 18:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.43		05/14/07 18:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.43		05/14/07 18:30	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.43		05/14/07 18:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	1.43		05/14/07 18:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.3	1.43		05/14/07 18:30	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	1.43		05/14/07 18:30	76-14-2	
Ethyl acetate	ND	ug/m3	1.0	1.43		05/14/07 18:30	141-78-6	
Ethylbenzene	**7.5**	ug/m3	1.3	1.43		05/14/07 18:30	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.6	1.43		05/14/07 18:30	622-96-8	
n-Heptane	**1.3**	ug/m3	1.2	1.43		05/14/07 18:30	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.1	1.43		05/14/07 18:30	87-68-3	
n-Hexane	ND	ug/m3	1.0	1.43		05/14/07 18:30	110-54-3	
2-Hexanone	ND	ug/m3	1.2	1.43		05/14/07 18:30	591-78-6	
Methylene Chloride	**15.4**	ug/m3	1.0	1.43		05/14/07 18:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.2	1.43		05/14/07 18:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.0	1.43		05/14/07 18:30	1634-04-4	
Naphthalene	ND	ug/m3	3.9	1.43		05/14/07 18:30	91-20-3	
Propylene	**80.7**	ug/m3	0.50	1.43		05/14/07 18:30	115-07-1	E
Styrene	ND	ug/m3	1.2	1.43		05/14/07 18:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.0	1.43		05/14/07 18:30	79-34-5	
Tetrachloroethene	ND	ug/m3	2.0	1.43		05/14/07 18:30	127-18-4	
Tetrahydrofuran	**0.93**	ug/m3	0.86	1.43		05/14/07 18:30	109-99-9	
Toluene	**11.5**	ug/m3	1.1	1.43		05/14/07 18:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.4	1.43		05/14/07 18:30	120-82-1	

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ANALYTICAL RESULTS

Project: KC KWIK STOP
Pace Project No.: 1051570

Sample: 110 S. WESTERN AVE **Lab ID: 1051570001** Collected: 05/08/07 09:00 Received: 05/11/07 17:45 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	1.6	1.43		05/14/07 18:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.6	1.43		05/14/07 18:30	79-00-5	
Trichloroethene	ND	ug/m3	1.6	1.43		05/14/07 18:30	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	1.43		05/14/07 18:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.3	1.43		05/14/07 18:30	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	3.6	1.43		05/14/07 18:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	3.6	1.43		05/14/07 18:30	108-67-8	
Vinyl acetate	**1.8**	ug/m3	1.0	1.43		05/14/07 18:30	108-05-4	
Vinyl chloride	ND	ug/m3	0.74	1.43		05/14/07 18:30	75-01-4	
m&p-Xylene	**24.6**	ug/m3	2.5	1.43		05/14/07 18:30	1330-20-7	
o-Xylene	**4.8**	ug/m3	1.3	1.43		05/14/07 18:30	95-47-6	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1051570

QC Batch: AIR/5574
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 1051570001

METHOD BLANK: 341293
Associated Lab Samples: 1051570001

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	
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	
m&p-Xylene	ug/m3	ND	1.8	
Methyl-tert-butyl ether	ug/m3	ND	0.73	
Methylene Chloride	ug/m3	ND	0.71	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1051570

METHOD BLANK: 341293

Associated Lab Samples: 1051570001

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	
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: 341294

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	59.7	108	60-134	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	66.3	95	55-141	
1,1,2-Trichloroethane	ug/m3	55.5	49.5	89	64-129	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	56.1	72	55-137	
1,1-Dichloroethane	ug/m3	41.1	34.2	83	59-136	
1,1-Dichloroethene	ug/m3	40.3	37.6	93	60-137	
1,2,4-Trichlorobenzene	ug/m3	75.4	69.1	92	50-150	
1,2,4-Trimethylbenzene	ug/m3	50	52.8	106	63-137	
1,2-Dibromoethane (EDB)	ug/m3	78.1	71.3	91	61-136	
1,2-Dichlorobenzene	ug/m3	61.1	60.5	99	60-139	
1,2-Dichloroethane	ug/m3	41.1	44.5	108	56-141	
1,2-Dichloropropane	ug/m3	47	49.9	106	57-131	
1,3,5-Trimethylbenzene	ug/m3	50	53.8	108	61-134	
1,3-Butadiene	ug/m3	22.5	19.7	87	53-140	
1,3-Dichlorobenzene	ug/m3	61.1	60.4	99	59-136	
1,4-Dichlorobenzene	ug/m3	61.1	59.5	97	59-130	
2-Butanone (MEK)	ug/m3	30	33.2	111	54-133	
2-Hexanone	ug/m3	41.6	42.9	103	54-139	
4-Ethyltoluene	ug/m3	50	46.9	94	61-138	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.6	45.7	110	53-139	
Acetone	ug/m3	24.1	22.3	92	50-139	
Benzene	ug/m3	32.5	28.3	87	64-125	
Bromodichloromethane	ug/m3	68.1	67.7	99	61-131	
Bromoform	ug/m3	105	102	97	66-138	
Bromomethane	ug/m3	39.5	34.1	86	55-135	
Carbon disulfide	ug/m3	31.7	33.3	105	50-150	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1051570

LABORATORY CONTROL SAMPLE: 341294

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/m3	64	66.1	103	58-135	
Chlorobenzene	ug/m3	46.8	41.7	89	62-139	
Chloroethane	ug/m3	26.8	23.0	86	56-140	
Chloroform	ug/m3	49.6	49.2	99	50-150	
Chloromethane	ug/m3	21	17.5	83	56-144	
cis-1,2-Dichloroethene	ug/m3	40.3	37.0	92	62-135	
cis-1,3-Dichloropropene	ug/m3	46.1	59.6	129	64-133	
Cyclohexane	ug/m3	35	36.1	103	54-139	
Dibromochloromethane	ug/m3	86.6	80.4	93	50-150	
Dichlorodifluoromethane	ug/m3	50.3	44.1	88	60-130	
Dichlorotetrafluoroethane	ug/m3	71.1	54.9	77	59-130	
Ethyl acetate	ug/m3	36.6	47.5	130	60-132	
Ethylbenzene	ug/m3	44.1	49.0	111	65-140	
Hexachloro-1,3-butadiene	ug/m3	108	79.6	73	50-150	
m&p-Xylene	ug/m3	88.3	92.5	105	60-132	
Methyl-tert-butyl ether	ug/m3	36.6	42.3	115	50-150	
Methylene Chloride	ug/m3	35.3	26.9	76	56-138	
n-Heptane	ug/m3	41.7	38.5	93	62-135	
n-Hexane	ug/m3	35.8	36.9	103	62-134	
Naphthalene	ug/m3	53.3	50.1	94	70-130	
o-Xylene	ug/m3	44.1	45.7	104	64-132	
Propylene	ug/m3	17.5	18.7	107	56-125	
Styrene	ug/m3	43.3	43.1	100	69-134	
Tetrachloroethene	ug/m3	68.9	62.4	91	60-137	
Tetrahydrofuran	ug/m3	30	17.3	58	52-139	
Toluene	ug/m3	38.3	38.2	100	69-130	
trans-1,2-Dichloroethene	ug/m3	40.3	39.0	97	50-150	
trans-1,3-Dichloropropene	ug/m3	46.1	53.8	117	70-142	
Trichloroethene	ug/m3	54.6	58.3	107	60-134	
Trichlorofluoromethane	ug/m3	57.1	52.2	91	56-141	
Vinyl acetate	ug/m3	35.8	38.1	107	61-142	
Vinyl chloride	ug/m3	26	22.4	86	66-132	

SAMPLE DUPLICATE: 341472

Parameter	Units	1051545001 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	21.0	21.1	.5	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	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1051570

SAMPLE DUPLICATE: 341472

Parameter	Units	1051545001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloropropane	ug/m3	ND	ND	0	25	
1,3,5-Trimethylbenzene	ug/m3	5.1	5.1	2	25	
1,3-Butadiene	ug/m3	ND	ND	0	25	
1,3-Dichlorobenzene	ug/m3	ND	ND	0	25	
1,4-Dichlorobenzene	ug/m3	10.9	11.0	.9	25	
2-Butanone (MEK)	ug/m3	ND	ND	0	25	
2-Hexanone	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	6.4	6.4	.6	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	9.3	8.9	4	25	
Acetone	ug/m3	19.0	20.0	5	25	
Benzene	ug/m3	13.1	12.7	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	ND	ND	0	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	14.6	14.0	4	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	ND	ND	0	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	22.1	21.9	.8	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	
m&p-Xylene	ug/m3	24.3	24.4	.4	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	ND	ND	0	25	
n-Heptane	ug/m3	19.2	18.5	4	25	
n-Hexane	ug/m3	28.5	27.7	3	25	
Naphthalene	ug/m3	5.0	4.9	.7	25	
o-Xylene	ug/m3	9.4	9.3	1	25	
Propylene	ug/m3	40.7	22.0	60	25	D6
Styrene	ug/m3	ND	ND	0	25	
Tetrachloroethene	ug/m3	ND	ND	0	25	
Tetrahydrofuran	ug/m3	ND	ND	0	25	
Toluene	ug/m3	37.4	36.6	2	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	ND	ND	0	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1051570

SAMPLE DUPLICATE: 341473

Parameter	Units	1051565002 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	56.2	55.3	2	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	13.3	13.3	.5	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	17.5	17.3	1	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	42.6	42.2	.9	25	
Benzene	ug/m3	5.8	5.9	2	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	1.0	19	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	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	12.3	12.5	2	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	1.7	2.2	25	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	11.5	11.7	2	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	
m&p-Xylene	ug/m3	49.8	49.5	.5	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	ND	ND	0	25	
n-Heptane	ug/m3	8.5	8.6	1	25	
n-Hexane	ug/m3	10.4	11.3	8	25	
Naphthalene	ug/m3	16.1	16.2	.2	25	
o-Xylene	ug/m3	18.7	18.5	1	25	
Propylene	ug/m3	23.9	30.7	25	25	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1051570

SAMPLE DUPLICATE: 341473

Parameter	Units	1051565002 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	
Toluene	ug/m3	35.5	36.1	2	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	ND	ND	0	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

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QUALIFIERS

Project: KC KWIK STOP
Pace Project No.: 1051570

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: 1051570001

[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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KC KWIK STOP
Pace Project No.: 1051570

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1051570001	**110 S. WESTERN AVE**	TO-15	AIR/5574		

Data File: \\192.168.10.12\chem\10air0.i\051407.b\13416.D
Report Date: 15-May-2007 07:31

Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: 1051570001
Operator : HRG
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 14-MAY-2007 18:30

Client SDG: 102205
Client Smp ID: 1051570001
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	106-97-8	Butane	4.310	5.51	NJ
2.	5989-54-8	Cyclohexene, 1-methyl-4-(1-	15.388	5.19	NJ

Data File: \\192.168.10.12\chem\10air0.i\051407.b\13416.D
Report Date: 15-May-2007 07:31

Pace Analytical Services

TO15 Analysis (UNIX)

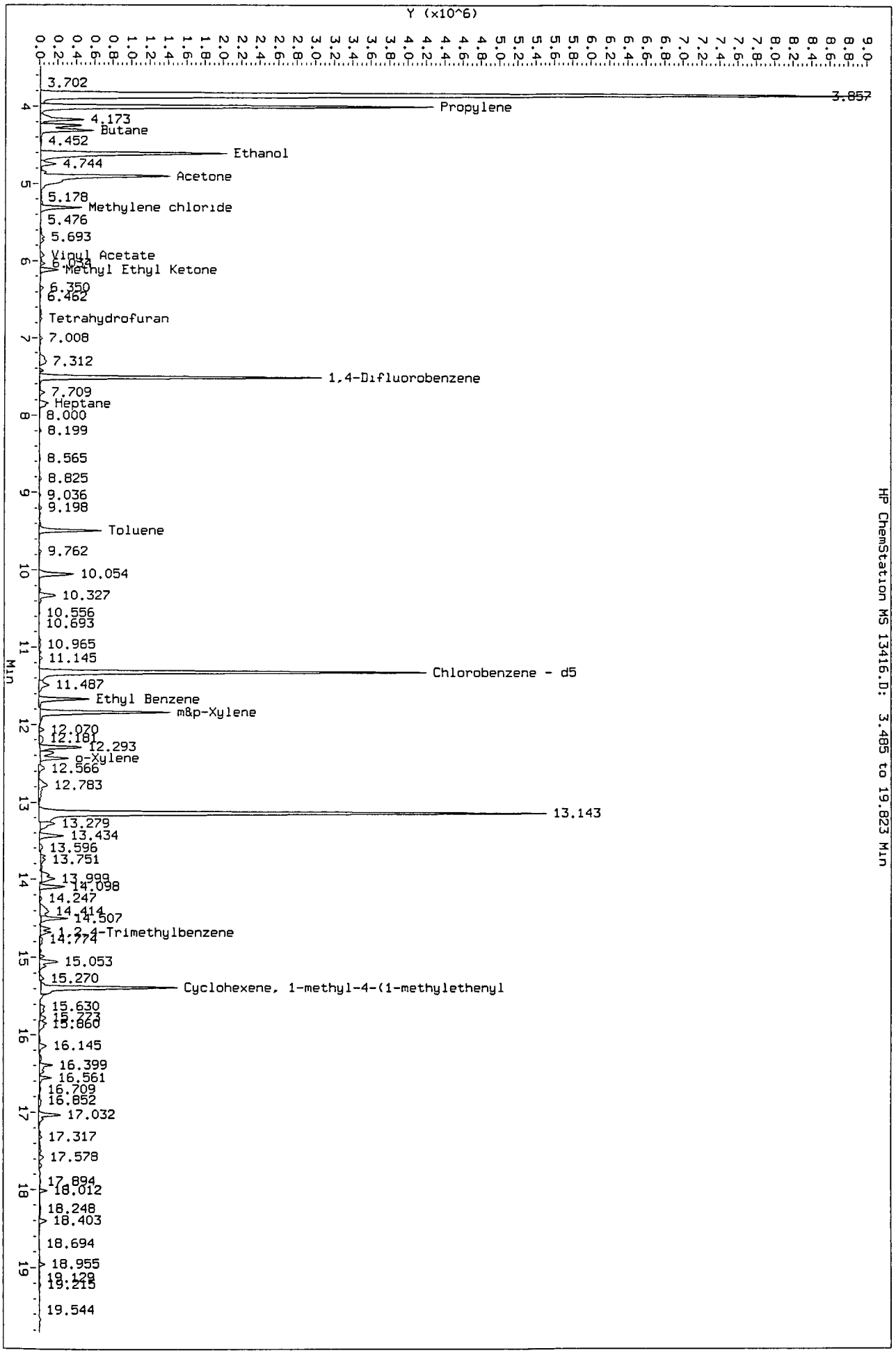
Data file : \\192.168.10.12\chem\10air0.i\051407.b\13416.D
Lab Smp Id: 1051570001 Client Smp ID: 1051570001
Inj Date : 14-MAY-2007 18:30
Operator : HRG Inst ID: 10air0.i
Smp Info :
Misc Info : 5574
Comment : Volatile Organic COMPOUNDS in Air
Method : \\192.168.10.12\chem\10air0.i\051407.b\LOWTO15_129.m
Meth Date : 14-May-2007 15:09 10air0.i Quant Type: ISTD
Cal Date : 09-MAY-2007 20:10 Cal File: 12909.D
Als bottle: 16
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

ISTD	RT	AREA	AMOUNT
* 33 1,4-Difluorobenzene	7.517	6073605	10.000
* 48 Chlorobenzene - d5	11.325	9425858	10.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Butane				CAS #: 106-97-8			
4.310	2340111	3.85291920	5.51	86	NBS75K.l	62336	33
Cyclohexene, 1-methyl-4-(1-methylethenyl				CAS #: 5989-54-8			
15.388	3423456	3.63198276	5.19	95	NBS75K.l	65806	48



Data File: \\192.168.10.12\chem\10air0.i\051407.b\13416.D
Injection Date: 14-MAY-2007 18:30
Instrument: 10air0.i
Client Sample ID: 1051570001

HP ChemStation MS 13416.D: 3.485 to 19.823 Min

(Please Print Clearly)

UPPER MIDWEST REGION
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Page 1 of

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CHAIN OF CUSTODY

COC No. 020565

Company Name:	COTEAU ENVIRONMENTAL
Branch/Location:	ALEXANDRIA, MN
Project Contact:	SCOTT
Phone:	320-846-4668
Project Number:	
Project Name:	KC KWIK STOP
Project State:	MN
Sampled By (Print):	SCOTT HUNKE
Sampled By (Sign):	
PO #:	
Regulatory Program:	

Quote #:	
Mail To Contact:	SCOTT
Mail To Company:	COTEAU ENV.
Mail To Address:	728 JAMES CIRCLE DR ALEXANDRIA, MN 56308
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					NO	A	VOC's (TO-15)			
	110 S. WESTERN AVE	5/8/07	0900	A			✓	CANISTER # 699	1051570001	
	PICK UP	5/9/07	0900							

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By:	Date/Time: 5/9/07 0900	Received By:	Date/Time 5-11-07 12:45
Transmit Prelim Rush Results by (complete what you want):	Relinquished By:	Date/Time:	Received By:	Date/Time
Email #1:	Relinquished By:	Date/Time:	Received By:	Date/Time.
Email #2:	Relinquished By:	Date/Time:	Received By:	Date/Time.
Telephone:	Relinquished By:	Date/Time	Received By:	Date/Time:
Fax:				

Samples on HOLD are subject to special pricing and release of liability

PACE Project No. 1051570

Receipt Temp = °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6 0 06/14/06

ORIGINAL

C019a(27Jun2006)

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August 28, 2007

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

RE: Project: KC KWIK STOP
Pace Project No.: 1057051

Dear Scott Hunke:
Enclosed are the analytical results for sample(s) received by the laboratory on August 14, 2007. The results relate only to the samples included in this report. 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

Florida (Nelap) Certification #: E87605
Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

REPORT OF LABORATORY ANALYSIS

ACCREDITED IN ACCORDANCE WITH nelac

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SAMPLE SUMMARY

Project: KC KWIK STOP
Pace Project No.: 1057051

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1057051001	BASEMENT CANISTER #657	Air	08/10/07 11:30	08/14/07 17:45
1057051002	CRAWL SPACE CANISTER #777	Air	08/10/07 11:35	08/14/07 17:45

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SAMPLE ANALYTE COUNT

Project: KC KWIK STOP
Pace Project No.: 1057051

Lab ID	Sample ID	Method	Analytes Reported
1057051001	BASEMENT CANISTER #657	TO-15	58
1057051002	CRAWL SPACE CANISTER #777	TO-15	58

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PROJECT NARRATIVE

Project: KC KWIK STOP
Pace Project No.: 1057051

Method: **TO-15**
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: August 28, 2007

General Information:
2 samples were 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.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: AIR/5983

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 380452)
  - Acetone
  - Toluene
- DUP (Lab ID: 381365)
  - Acetone

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:

K1: The Total Hydrocarbon (THC) pattern occured in the first half of the chromatogram (before toluene).

- BASEMENT CANISTER #657 (Lab ID: 1057051001)

K2: The Total Hydrocarbon (THC) pattern occured in the second half of the chromatogram (after toluene).

- CRAWL SPACE CANISTER #777 (Lab ID: 1057051002)

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PROJECT NARRATIVE

Project: KC KWIK STOP
Pace Project No.: 1057051

Method: **TO-15**
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: August 28, 2007

Analyte Comments:

QC Batch: AIR/5983

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- DUP (Lab ID: 380452)
  - Acetone
  - Toluene
  - Acetone
  - Ethyl acetate

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: KC KWIK STOP
Pace Project No.: 1057051

Sample: BASEMENT CANISTER #657 **Lab ID: 1057051001** Collected: 08/10/07 11:30 Received: 08/14/07 17:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method. TO-15							
Acetone	**74.9**	ug/m3	0.95	1.97		08/23/07 17:25	67-64-1	
Benzene	ND	ug/m3	1.3	1.97		08/23/07 17:25	71-43-2	
Bromodichloromethane	ND	ug/m3	2.8	1.97		08/23/07 17:25	75-27-4	
Bromoform	ND	ug/m3	4.1	1.97		08/23/07 17:25	75-25-2	
Bromomethane	ND	ug/m3	1.6	1.97		08/23/07 17:25	74-83-9	
1,3-Butadiene	ND	ug/m3	0.89	1.97		08/23/07 17:25	106-99-0	
2-Butanone (MEK)	**10.3**	ug/m3	1.2	1.97		08/23/07 17:25	78-93-3	
Carbon disulfide	ND	ug/m3	1.2	1.97		08/23/07 17:25	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.6	1.97		08/23/07 17:25	56-23-5	
Chlorobenzene	ND	ug/m3	1.9	1.97		08/23/07 17:25	108-90-7	
Chloroethane	ND	ug/m3	1.1	1.97		08/23/07 17:25	75-00-3	
Chloroform	ND	ug/m3	2.0	1.97		08/23/07 17:25	67-66-3	
Chloromethane	ND	ug/m3	0.83	1.97		08/23/07 17:25	74-87-3	
Cyclohexane	ND	ug/m3	1.3	1.97		08/23/07 17:25	110-82-7	
Dibromochloromethane	ND	ug/m3	3.3	1.97		08/23/07 17:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	3.2	1.97		08/23/07 17:25	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.4	1.97		08/23/07 17:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.4	1.97		08/23/07 17:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.4	1.97		08/23/07 17:25	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	2.0	1.97		08/23/07 17:25	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.6	1.97		08/23/07 17:25	75-34-3	
1,2-Dichloroethane	**6.8**	ug/m3	1.6	1.97		08/23/07 17:25	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1 6	1.97		08/23/07 17:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.6	1.97		08/23/07 17:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.6	1.97		08/23/07 17:25	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.9	1.97		08/23/07 17:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.8	1.97		08/23/07 17:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.8	1.97		08/23/07 17:25	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.8	1.97		08/23/07 17:25	76-14-2	
Ethyl acetate	**14.4**	ug/m3	1.4	1.97		08/23/07 17:25	141-78-6	
Ethylbenzene	**10.4**	ug/m3	1.7	1.97		08/23/07 17:25	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.9	1.97		08/23/07 17:25	622-96-8	
n-Heptane	ND	ug/m3	1.6	1.97		08/23/07 17:25	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	4.3	1.97		08/23/07 17:25	87-68-3	
n-Hexane	ND	ug/m3	1.4	1.97		08/23/07 17:25	110-54-3	
2-Hexanone	ND	ug/m3	1.6	1.97		08/23/07 17:25	591-78-6	
Methylene Chloride	**30.8**	ug/m3	1.4	1.97		08/23/07 17:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.6	1.97		08/23/07 17:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.4	1.97		08/23/07 17:25	1634-04-4	
Naphthalene	ND	ug/m3	5.3	1.97		08/23/07 17:25	91-20-3	
Propylene	ND	ug/m3	0.69	1.97		08/23/07 17:25	115-07-1	
Styrene	ND	ug/m3	1.7	1.97		08/23/07 17:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.8	1.97		08/23/07 17:25	79-34-5	
Tetrachloroethene	ND	ug/m3	2.8	1.97		08/23/07 17:25	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.2	1.97		08/23/07 17:25	109-99-9	
Toluene	**21.9**	ug/m3	1.5	1.97		08/23/07 17:25	108-88-3	

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ANALYTICAL RESULTS

Project: KC KWIK STOP
Pace Project No.: 1057051

Sample: BASEMENT CANISTER #657 **Lab ID: 1057051001** Collected: 08/10/07 11:30 Received: 08/14/07 17:45 Matrix: Air

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	2.0	1.97		08/23/07 17:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.2	1.97		08/23/07 17:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	2.2	1.97		08/23/07 17:25	79-00-5	
Trichloroethene	ND	ug/m3	2.2	1.97		08/23/07 17:25	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.2	1.97		08/23/07 17:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.2	1.97		08/23/07 17:25	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	4.9	1.97		08/23/07 17:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	4.9	1.97		08/23/07 17:25	108-67-8	
Vinyl acetate	ND	ug/m3	1.4	1.97		08/23/07 17:25	108-05-4	
Vinyl chloride	ND	ug/m3	1.0	1.97		08/23/07 17:25	75-01-4	
m&p-Xylene	**30.7**	ug/m3	3.5	1.97		08/23/07 17:25	1330-20-7	
o-Xylene	**6.8**	ug/m3	1.7	1.97		08/23/07 17:25	95-47-6	

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ANALYTICAL RESULTS

Project: KC KWIK STOP
Pace Project No.: 1057051

Sample: CRAWL SPACE CANISTER #777 **Lab ID: 1057051002** Collected: 08/10/07 11:35 Received: 08/14/07 17:45 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**23.4**	ug/m3	0.90	1.88		08/23/07 17:57	67-64-1	
Benzene	**26.1**	ug/m3	1.2	1.88		08/23/07 17:57	71-43-2	
Bromodichloromethane	ND	ug/m3	2.6	1.88		08/23/07 17:57	75-27-4	
Bromoform	ND	ug/m3	3 9	1.88		08/23/07 17:57	75-25-2	
Bromomethane	ND	ug/m3	1.5	1.88		08/23/07 17:57	74-83-9	
1,3-Butadiene	ND	ug/m3	0.85	1.88		08/23/07 17:57	106-99-0	
2-Butanone (MEK)	**63.7**	ug/m3	1.1	1.88		08/23/07 17:57	78-93-3	
Carbon disulfide	**6.5**	ug/m3	1.2	1.88		08/23/07 17:57	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.4	1.88		08/23/07 17:57	56-23-5	
Chlorobenzene	ND	ug/m3	1.8	1.88		08/23/07 17:57	108-90-7	
Chloroethane	ND	ug/m3	1.0	1.88		08/23/07 17:57	75-00-3	
Chloroform	ND	ug/m3	1.9	1.88		08/23/07 17:57	67-66-3	
Chloromethane	**2.0**	ug/m3	0.79	1.88		08/23/07 17:57	74-87-3	
Cyclohexane	**22.0**	ug/m3	1.3	1.88		08/23/07 17:57	110-82-7	
Dibromochloromethane	ND	ug/m3	3.2	1.88		08/23/07 17:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	3.0	1.88		08/23/07 17:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.3	1.88		08/23/07 17:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.3	1.88		08/23/07 17:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.3	1.88		08/23/07 17:57	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.9	1.88		08/23/07 17:57	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.5	1.88		08/23/07 17:57	75-34-3	
1,2-Dichloroethane	**4.2**	ug/m3	1.5	1.88		08/23/07 17:57	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.5	1.88		08/23/07 17:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.88		08/23/07 17:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.88		08/23/07 17:57	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.8	1.88		08/23/07 17:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.88		08/23/07 17:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.88		08/23/07 17:57	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.88		08/23/07 17:57	76-14-2	
Ethyl acetate	ND	ug/m3	1.4	1.88		08/23/07 17:57	141-78-6	
Ethylbenzene	**60.5**	ug/m3	1.7	1.88		08/23/07 17:57	100-41-4	
4-Ethyltoluene	**29.7**	ug/m3	4.7	1.88		08/23/07 17:57	622-96-8	
n-Heptane	**56.4**	ug/m3	1.6	1.88		08/23/07 17:57	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	4.1	1.88		08/23/07 17:57	87-68-3	
n-Hexane	**29.2**	ug/m3	1.4	1.88		08/23/07 17:57	110-54-3	
2-Hexanone	ND	ug/m3	1.6	1.88		08/23/07 17:57	591-78-6	
Methylene Chloride	**7.1**	ug/m3	1.3	1.88		08/23/07 17:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.6	1.88		08/23/07 17:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.4	1.88		08/23/07 17:57	1634-04-4	
Naphthalene	ND	ug/m3	5.1	1.88		08/23/07 17:57	91-20-3	
Propylene	ND	ug/m3	0.66	1.88		08/23/07 17:57	115-07-1	
Styrene	ND	ug/m3	1.6	1.88		08/23/07 17:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.6	1.88		08/23/07 17:57	79-34-5	
Tetrachloroethene	ND	ug/m3	2.6	1.88		08/23/07 17:57	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.1	1.88		08/23/07 17:57	109-99-9	
Toluene	**2110**	ug/m3	29.0	37.6		08/24/07 12:32	108-88-3	

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ANALYTICAL RESULTS

Project: KC KWIK STOP
Pace Project No.: 1057051

Sample: CRAWL SPACE CANISTER #777 **Lab ID: 1057051002** Collected: 08/10/07 11:35 Received: 08/14/07 17:45 Matrix: Air

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	1.9	1.88		08/23/07 17:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.1	1.88		08/23/07 17:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	2.1	1.88		08/23/07 17:57	79-00-5	
Trichloroethene	ND	ug/m3	2.1	1.88		08/23/07 17:57	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.1	1.88		08/23/07 17:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.0	1.88		08/23/07 17:57	76-13-1	
1,2,4-Trimethylbenzene	**120**	ug/m3	4.7	1.88		08/23/07 17:57	95-63-6	
1,3,5-Trimethylbenzene	**27.3**	ug/m3	4.7	1.88		08/23/07 17:57	108-67-8	
Vinyl acetate	ND	ug/m3	1.3	1.88		08/23/07 17:57	108-05-4	
Vinyl chloride	ND	ug/m3	0.98	1.88		08/23/07 17:57	75-01-4	
m&p-Xylene	**218**	ug/m3	3.3	1.88		08/23/07 17:57	1330-20-7	
o-Xylene	**85.4**	ug/m3	1.7	1.88		08/23/07 17:57	95-47-6	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1057051

QC Batch: AIR/5983
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 1057051001, 1057051002

METHOD BLANK: 380106
Associated Lab Samples: 1057051001, 1057051002

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	
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	
m&p-Xylene	ug/m3	ND	1.8	
Methyl-tert-butyl ether	ug/m3	ND	0.73	
Methylene Chloride	ug/m3	ND	0.71	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1057051

METHOD BLANK: 380106

Associated Lab Samples: 1057051001, 1057051002

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	
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: 380107

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	56.1	101	60-134	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	67.1	96	55-141	
1,1,2-Trichloroethane	ug/m3	55.5	46.8	84	64-129	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	58.4	75	55-137	
1,1-Dichloroethane	ug/m3	41.1	39.8	97	59-136	
1,1-Dichloroethene	ug/m3	40.3	43.2	107	60-137	
1,2,4-Trichlorobenzene	ug/m3	75.4	101	133	50-150	
1,2,4-Trimethylbenzene	ug/m3	50	51.3	103	63-137	
1,2-Dibromoethane (EDB)	ug/m3	78.1	75.6	97	61-136	
1,2-Dichlorobenzene	ug/m3	61.1	56.8	93	60-139	
1,2-Dichloroethane	ug/m3	41.1	46.6	113	56-141	
1,2-Dichloropropane	ug/m3	47	52.9	113	57-131	
1,3,5-Trimethylbenzene	ug/m3	50	44.8	90	61-134	
1,3-Butadiene	ug/m3	22.5	21.5	95	53-140	
1,3-Dichlorobenzene	ug/m3	61.1	49.8	81	59-136	
1,4-Dichlorobenzene	ug/m3	61.1	65.2	107	59-130	
2-Butanone (MEK)	ug/m3	30	33.8	113	54-133	
2-Hexanone	ug/m3	41.6	47.6	114	54-139	
4-Ethyltoluene	ug/m3	50	40.7	81	61-138	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.6	43.8	105	53-139	
Acetone	ug/m3	24.1	21.4	89	50-139	
Benzene	ug/m3	32.5	29.0	89	64-125	
Bromodichloromethane	ug/m3	68.1	66.0	97	61-131	
Bromoform	ug/m3	105	94.6	90	66-138	
Bromomethane	ug/m3	39.5	38.4	97	55-135	
Carbon disulfide	ug/m3	31.7	36.3	115	50-150	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1057051

LABORATORY CONTROL SAMPLE: 380107

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/m3	64	63.6	99	58-135	
Chlorobenzene	ug/m3	46.8	44.4	95	62-139	
Chloroethane	ug/m3	26.8	27.7	103	56-140	
Chloroform	ug/m3	49.6	50.1	101	50-150	
Chloromethane	ug/m3	21	20.7	99	56-144	
cis-1,2-Dichloroethene	ug/m3	40.3	36.5	91	62-135	
cis-1,3-Dichloropropene	ug/m3	46.1	56.7	123	64-133	
Cyclohexane	ug/m3	35	35.8	102	54-139	
Dibromochloromethane	ug/m3	86.6	81.6	94	50-150	
Dichlorodifluoromethane	ug/m3	50.3	47.8	95	60-130	
Dichlorotetrafluoroethane	ug/m3	71.1	57.8	81	59-130	
Ethyl acetate	ug/m3	36.6	47.7	130	60-132	
Ethylbenzene	ug/m3	44.1	45.8	104	65-140	
Hexachloro-1,3-butadiene	ug/m3	108	141	130	50-150	
m&p-Xylene	ug/m3	88.3	83.7	95	60-132	
Methyl-tert-butyl ether	ug/m3	36.6	37.5	102	50-150	
Methylene Chloride	ug/m3	35.3	35.1	100	56-138	
n-Heptane	ug/m3	41.7	38.2	92	62-135	
n-Hexane	ug/m3	35.8	39.1	109	62-134	
Naphthalene	ug/m3	53.3	69.5	130	70-130	CH
o-Xylene	ug/m3	44.1	41.2	93	64-132	
Propylene	ug/m3	17.5	20.9	120	56-125	
Styrene	ug/m3	43.3	39.1	90	69-134	
Tetrachloroethene	ug/m3	68.9	61.6	89	60-137	
Tetrahydrofuran	ug/m3	30	17.9	60	52-139	
Toluene	ug/m3	38.3	33.2	87	69-130	
trans-1,2-Dichloroethene	ug/m3	40.3	40.3	100	50-150	
trans-1,3-Dichloropropene	ug/m3	46.1	47.6	103	70-142	
Trichloroethene	ug/m3	54.6	55.9	102	60-134	
Trichlorofluoromethane	ug/m3	57.1	54.0	95	56-141	
Vinyl acetate	ug/m3	35.8	41.3	115	61-142	
Vinyl chloride	ug/m3	26	26.1	100	66-132	

SAMPLE DUPLICATE: 380452

Parameter	Units	1057051002 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	120	118	2	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	4.2	3.9	6	25	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1057051

SAMPLE DUPLICATE: 380452

Parameter	Units	1057051002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloropropane	ug/m3	ND	ND	0	25	
1,3,5-Trimethylbenzene	ug/m3	27.3	27.0	1	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	63.7	66.0	4	25	
2-Hexanone	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	29.7	31.7	7	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	23.4	105	127	25	D6,E
Benzene	ug/m3	26.1	26.2	.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	6.5	6.7	3	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	2.0	1.8	11	25	
cis-1,2-Dichloroethene	ug/m3	ND	ND	0	25	
cis-1,3-Dichloropropene	ug/m3	ND	ND	0	25	
Cyclohexane	ug/m3	22.0	22.5	2	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	ND	ND	0	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	60.5	60.4	.1	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	
m&p-Xylene	ug/m3	218	214	2	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	7.1	7.8	9	25	
n-Heptane	ug/m3	56.4	56.1	.6	25	
n-Hexane	ug/m3	29.2	30.3	3	25	
Naphthalene	ug/m3	ND	ND	0	25	
o-Xylene	ug/m3	85.4	85.5	.1	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	
Toluene	ug/m3	2110	545	118	25	D6,E
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	ND	ND	0	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1057051

SAMPLE DUPLICATE: 381365

Parameter	Units	1057159001 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	ND	ND	0	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	44.3	41.6	6	25	
2-Hexanone	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	ND	ND	0	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	292	216	30	25	D6,E
Benzene	ug/m3	ND	ND	0	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	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	19.4	19.3	.6	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	3.9	3.9	1	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	
Ethyl acetate	ug/m3	103	110	7	25	E
Ethylbenzene	ug/m3	11.5	11.7	2	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	
m&p-Xylene	ug/m3	35.9	35.4	1	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	10.7	11.1	4	25	
n-Heptane	ug/m3	ND	ND	0	25	
n-Hexane	ug/m3	ND	ND	0	25	
Naphthalene	ug/m3	ND	ND	0	25	
o-Xylene	ug/m3	8.8	9.0	2	25	
Propylene	ug/m3	ND	ND	0	25	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1057051

SAMPLE DUPLICATE: 381365

Parameter	Units	1057159001 Result	Dup Result	RPD	Max RPD	Qualifiers
Styrene	ug/m3	6.8	6.8	.1	25	
Tetrachloroethene	ug/m3	ND	ND	0	25	
Tetrahydrofuran	ug/m3	10.6	11.1	4	25	
Toluene	ug/m3	26.2	26.6	1	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	ND	ND	0	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

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QUALIFIERS

Project: KC KWIK STOP
Pace Project No.: 1057051

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.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

SAMPLE QUALIFIERS

Sample: 1057051001

[1] The Total Hydrocarbon (THC) pattern occured in the first half of the chromatogram (before toluene).

Sample: 1057051002

[1] The Total Hydrocarbon (THC) pattern occured in the second half of the chromatogram (after toluene).

ANALYTE QUALIFIERS

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project KC KWIK STOP
Pace Project No.: 1057051

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1057051001	BASEMENT CANISTER #657	TO-15	AIR/5983		
1057051002	CRAWL SPACE CANISTER #777	TO-15	AIR/5983		

REPORT OF LABORATORY ANALYSIS

Data File: \\192.168.10.12\chem\10air7.i\082307.b\23516.D
Report Date: 24-Aug-2007 11:30

Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Sample 8
Lab Smp Id: 1057051001
Operator : LCW
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 23-AUG-2007 17:25

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

Number TICs found: 8

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	4.008	4.37	J
2.		Unknown	4.077	7.01	J
3.		Unknown	4.785	3.19	J
4.	565-75-3	Pentane, 2,3,4-trimethyl-	8.907	3.96	NJ
5.		Unknown	9.068	6.66	J
6.	2037-26-5	C6D5CD3	9.265	19.6	NJ
7.		Unknown	13.642	3.41	J
8.	5989-54-8	Cyclohexene, 1-methyl-4-(1-	15.262	3.00	NJ

Data File: \\192.168.10.12\chem\10air7.i\082307.b\23516.D
Report Date: 24-Aug-2007 11:30

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\192.168.10.12\chem\10air7.i\082307.b\23516.D
Lab Smp Id: 1057051001
Inj Date : 23-AUG-2007 17:25
Operator : LCW Inst ID: 10air7.i
Smp Info : Sample 8
Misc Info : 5983
Comment : Volatile Organic COMPOUNDS in Air
Method : \\192.168.10.12\chem\10air7.i\082307.b\LOWTO15_234.m
Meth Date : 24-Aug-2007 11:08 lweinkauf Quant Type: ISTD
Cal Date : 22-AUG-2007 15:46 Cal File: 23408.D
Als bottle: 16
Dil Factor: 1.97000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: AIRGROUP

Concentration Formula: Amt * DF * Uf * CpndVariable

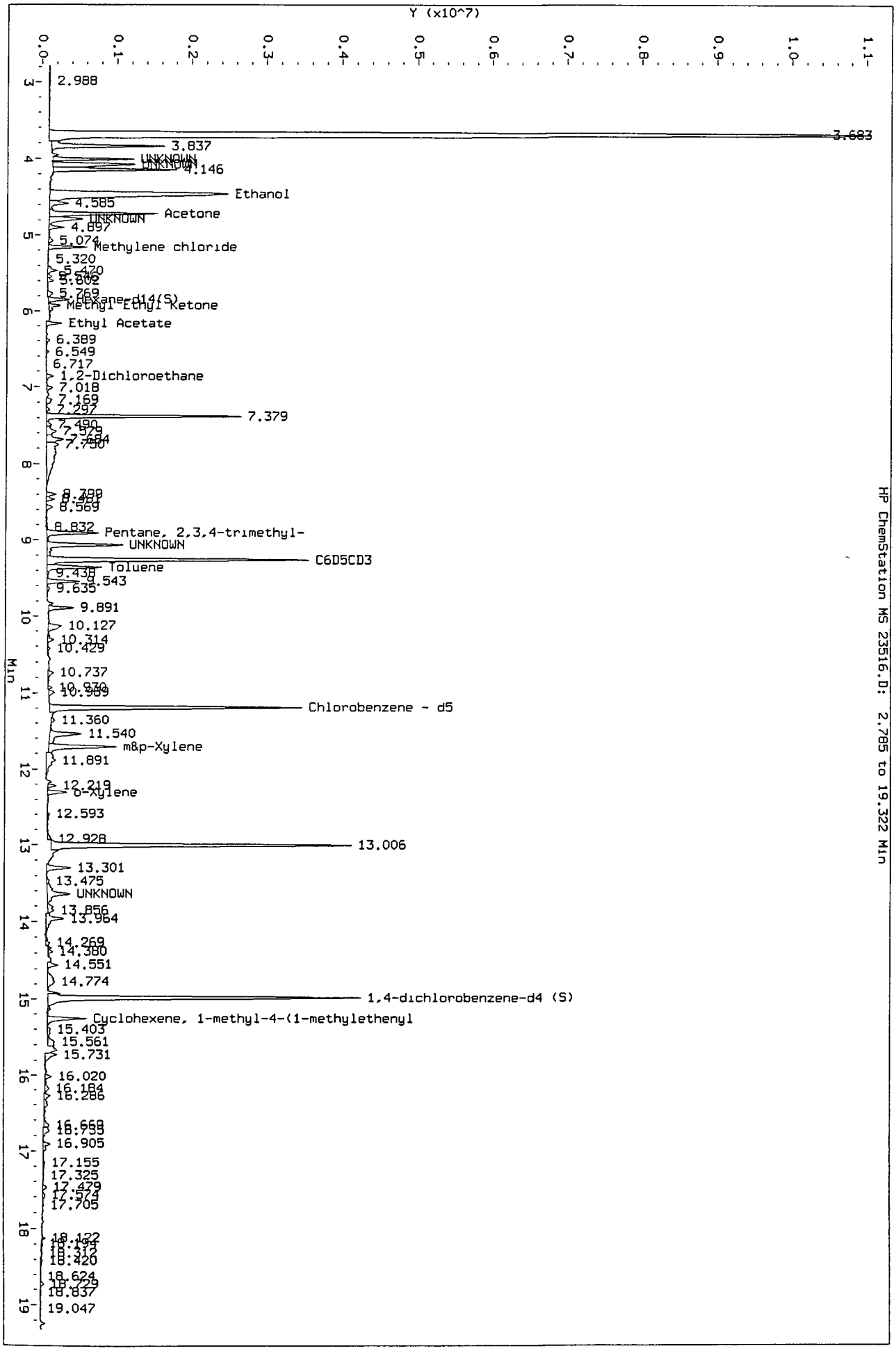
Name	Value	Description
DF	1.970	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 50 Chlorobenzene - d5	11.190	7744453	10.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.008	1719300	2.22004065	4.37	0		0	50
Unknown				CAS #:			
4.077	2755769	3.55837691	7.01	0		0	50
Unknown				CAS #:			
4.785	1253208	1.61820036	3.19	0		0	50
Pentane, 2,3,4-trimethyl-				CAS #: 565-75-3			
8.907	1556667	2.01004049	3.96	83	NBS75K.1	3100	50
Unknown				CAS #:			
9.068	2618279	3.38084374	6.66	0		0	50
C6D5CD3				CAS #: 2037-26-5			
9.265	7723245	9.97261472	19.6	91	NBS75K.1	1591	50

Data File: \\192.168.10.12\chem\10air7.i\082307.b\23516.D
Report Date: 24-Aug-2007 11:30

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
13.642	1340931	1.73147291	3.41	0		0	50
Cyclohexene, 1-methyl-4-(1-methylethenyl				CAS #: 5989-54-8			
15.262	1178226	1.52138066	3.00	93	NBS75K.l	65806	50



Data File: \\192.168.10.12\chem\10air7.i\082307.b\23516.D
Injection Date: 23-AUG-2007 17:25
Instrument: 10air7.i
Client Sample ID: 1057051001

HP ChemStation MS 23516.D: 2.785 to 19.322 Min

Data File: \\192.168.10.12\chem\10air7.i\082307.b\23517.D
Report Date: 24-Aug-2007 11:30

Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Sample 9
Lab Smp Id: 1057051002
Operator : LCW
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 23-AUG-2007 17:57

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.	592-13-2	Hexane, 2,5-dimethyl-	8.422	23.5	NJ
2.	565-75-3	Pentane, 2,3,4-trimethyl-	8.933	42.6	NJ
3.	565-75-3	Pentane, 2,3,4-trimethyl-	9.094	56.7	NJ
4.	111-65-9	Octane	9.950	108	NJ
5.	80-56-8	.alpha.-Pinene	13.321	19.8	NJ
6.	13475-82-6	Heptane, 2,2,4,6,6-pentamet	14.482	225	NJ
7.	17312-64-0	Undecane, 2,2-dimethyl-	14.852	20.2	NJ
8.		Unknown	15.256	39.6	J
9.		Unknown	15.420	80.9	J
10.		Unknown	15.646	65.4	J

Data File: \\192.168.10.12\chem\10air7.i\082307.b\23517.D
Report Date: 24-Aug-2007 11:30

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\192.168.10.12\chem\10air7.i\082307.b\23517.D
Lab Smp Id: 1057051002
Inj Date : 23-AUG-2007 17:57
Operator : LCW Inst ID: 10air7.i
Smp Info : Sample 9
Misc Info : 5983
Comment : Volatile Organic COMPOUNDS in Air
Method : \\192.168.10.12\chem\10air7.i\082307.b\LOWTO15_234.m
Meth Date : 24-Aug-2007 11:08 lweinkauf Quant Type: ISTD
Cal Date : 22-AUG-2007 15:46 Cal File: 23408.D
Als bottle: 17
Dil Factor: 1.88000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: AIRGROUP

Concentration Formula: Amt * DF * Uf * CpndVariable

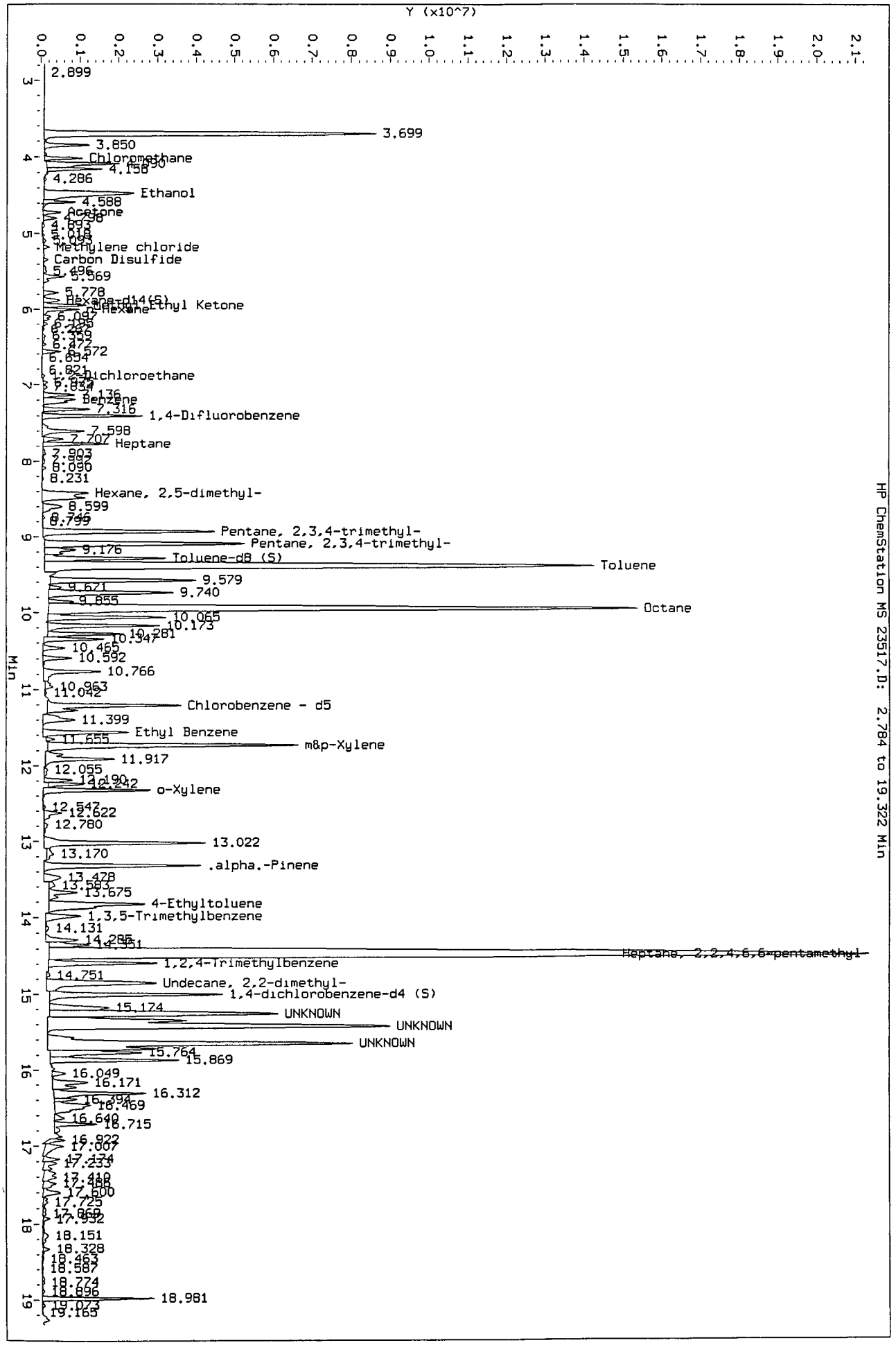
Name	Value	Description
DF	1.880	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 35 1,4-Difluorobenzene	7.402	5116826	10.000
* 50 Chlorobenzene - d5	11.212	9839167	10.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Hexane, 2,5-dimethyl-				CAS #: 592-13-2			
8.422	6404659	12.5168571	23.5	94	NBS75K.1	64205	35
Pentane, 2,3,4-trimethyl-				CAS #: 565-75-3			
8.933	11602601	22.6753840	42.6	91	NBS75K.1	64228	35
Pentane, 2,3,4-trimethyl-				CAS #: 565-75-3			
9.094	15427460	30.1504424	56.7	81	NBS75K.1	3100	35
Octane				CAS #: 111-65-9			
9.950	56780400	57.7085420	108	87	NBS75K.1	3084	50
.alpha.-Pinene				CAS #: 80-56-8			
13.321	10363826	10.5332343	19.8	96	NBS75K.1	65808	50

Data File: \\192.168.10.12\chem\10air7.i\082307.b\23517.D
Report Date: 24-Aug-2007 11:30

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Heptane, 2,2,4,6,6-pentamethyl-				CAS #: 13475-82-6			
14.482	1.179e+008	119.844396	225	83	NBS75K.l	15367	50
Undecane, 2,2-dimethyl-				CAS #: 17312-64-0			
14.852	10595310	10.7685030	20.2	83	NBS75K.l	19038	50
Unknown				CAS #:			
15.256	20730119	21.0689772	39.6	0		0	50
Unknown				CAS #:			
15.420	42328295	43.0202003	80.9	0		0	50
Unknown				CAS #:			
15.646	34229042	34.7885557	65.4	0		0	50


Data File: \\192.168.10.12\chem\10air7.i\082307.b\23517.D
Injection Date: 23-AUG-2007 17:57
Instrument: 10air7.i
Client Sample ID: 1057051002
HP ChemStation MS 23517.D: 2.784 to 19.322 Min
Y (x10^7)
Min
2.899
3.699
3.850
Chloromethane
4.158
4.286
Ethanol
4.588
Acetone
Methylene chloride
Carbon Disulfide
5.569
Hexane-d14(S)
Methyl Ethyl Ketone
Hexane
Dichloroethane
Benzene
7.316
1,4-Difluorobenzene
7.598
7.707
Heptane
Hexane, 2,5-dimethyl-
Pentane, 2,3,4-trimethyl-
Pentane, 2,3,4-trimethyl-
9.176
Toluene-d8 (S)
Toluene
9.579
9.740
Octane
10.065
10.173
10.465
10.592
10.766
Chlorobenzene - d5
11.399
Ethyl Benzene
m&p-Xylene
11.917
12.055
o-Xylene
12.780
13.022
13.170
.alpha.-Pinene
13.675
4-Ethyltoluene
1,3,5-Trimethylbenzene
14.131
Heptane, 2,2,4,6,6-pentamethyl
1,2,4-Trimethylbenzene
14.751
Undecane, 2,2-dimethyl-
1,4-dichlorobenzene-d4 (S)
15.174
UNKNOWN
UNKNOWN
UNKNOWN
15.764
15.869
16.049
16.171
16.312
16.469
16.640
16.715
17.600
17.725
18.151
18.328
18.587
18.774
18.981

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CHAIN-OF-CUSTODY / Analytical Request Document

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

1057051

Page: of

1070883

Section A Required Client Information	Section B Required Project Information	Section C Invoice Information
Company: COTEAU ENVIRONMENTAL	Report To: COTEAU	Attention: SCOTT
Address: 728 JAMES CIRCLE DR ALEXANDRIA, MN 56308	Copy To: COTEAU	Company Name: COTEAU
Email To:	Purchase Order No:	Address:
Phone: 320-846-4668 Fax:	Project Name: RC KWIK STOP	Pace Quote Reference:
Requested Due Date/TAT:	Project Number: BROOTEN, MN	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: VOC'S (TO-15)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	BASEMENT (657)	TS	G	8/9/07	1130	8/10/07	1130		1									Y	✓		001
2	CRAWL SPACE (777)	↓	↓	↓	1135	↓	1135		1									Y	✓		002
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
24 HOUR SAMPLE	[signature]	8/13/07	1630	[signature]	8-14-07	1745	Amb	N	N	Y
CANISTER 777 8 PSI LEFT										
CANISTER 657 9 PSI LEFT										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: SCOTT HUNNICE

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8/13/07

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note. By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

August 22, 2007

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

RE: Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1057049

Dear Scott Hunke:
Enclosed are the analytical results for sample(s) received by the laboratory on August 14, 2007. The results relate only to the samples included in this report. 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

Florida (Nelap) Certification #: E87605
Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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(612)607-1700

SAMPLE SUMMARY

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1057049

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1057049001	**MW-06**	Water	08/10/07 10:02	08/14/07 17:45
1057049002	**MW-04**	Water	08/10/07 10:40	08/14/07 17:45
1057049003	**MW-03**	Water	08/10/07 11:17	08/14/07 17:45
1057049004	**MW-05**	Water	08/10/07 12:13	08/14/07 17:45
1057049005	**MW-07**	Water	08/10/07 12:20	08/14/07 17:45
1057049006	**TRIP BLANK**	Water	08/10/07 00:00	08/14/07 17:45

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SAMPLE ANALYTE COUNT

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1057049

Lab ID	Sample ID	Method	Analytes Reported
1057049001	**MW-06**	TPH WI GRO/PVOC 8021	6
1057049002	**MW-04**	TPH WI GRO/PVOC 8021	6
1057049003	**MW-03**	TPH WI GRO/PVOC 8021	6
1057049004	**MW-05**	TPH WI GRO/PVOC 8021	6
1057049005	**MW-07**	TPH WI GRO/PVOC 8021	6
1057049006	**TRIP BLANK**	TPH WI GRO/PVOC 8021	6

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ANALYTICAL RESULTS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1057049

Sample: MW-06 **Lab ID: 1057049001** Collected: 08/10/07 10:02 Received: 08/14/07 17:45 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		08/21/07 06:50	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		08/21/07 06:50	100-41-4	
Gasoline Range Organics	ND	ppb	100	1		08/21/07 06:50		
Toluene	ND	ppb	1.0	1		08/21/07 06:50	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		08/21/07 06:50	1330-20-7	
a,a,a-Trifluorotoluene (S)	95	%	80-141	1		08/21/07 06:50	98-08-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1057049

Sample: MW-04 **Lab ID: 1057049002** Collected: 08/10/07 10:40 Received: 08/14/07 17:45 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		08/21/07 07:14	71-43-2	
Ethylbenzene	**3.9**	ppb	1.0	1		08/21/07 07:14	100-41-4	
Gasoline Range Organics	**237**	ppb	100	1		08/21/07 07:14		
Toluene	**2.7**	ppb	1.0	1		08/21/07 07:14	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		08/21/07 07:14	1330-20-7	
a,a,a-Trifluorotoluene (S)	100	%	80-141	1		08/21/07 07:14	98-08-8	

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ANALYTICAL RESULTS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1057049

Sample: MW-03 **Lab ID: 1057049003** Collected: 08/10/07 11:17 Received: 08/14/07 17:45 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		08/21/07 07:39	71-43-2	
Ethylbenzene	**4.8**	ppb	1.0	1		08/21/07 07:39	100-41-4	
Gasoline Range Organics	ND	ppb	100	1		08/21/07 07:39		
Toluene	**1.3**	ppb	1.0	1		08/21/07 07:39	108-88-3	
Xylene (Total)	**5.1**	ppb	3 0	1		08/21/07 07:39	1330-20-7	
a,a,a-Trifluorotoluene (S)	113	%	80-141	1		08/21/07 07:39	98-08-8	

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ANALYTICAL RESULTS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1057049

Sample: MW-05 **Lab ID: 1057049004** Collected: 08/10/07 12:13 Received: 08/14/07 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: TPH WI GRO/PVOC 8021							
Benzene	**784**	ppb	25.0	25		08/21/07 09:16	71-43-2	
Ethylbenzene	**1620**	ppb	25.0	25		08/21/07 09:16	100-41-4	
Gasoline Range Organics	**28200**	ppb	2500	25		08/21/07 09:16		
Toluene	**11500**	ppb	25.0	25		08/21/07 09:16	108-88-3	
Xylene (Total)	**6300**	ppb	75.0	25		08/21/07 09:16	1330-20-7	
a,a,a-Trifluorotoluene (S)	112	%	80-141	25		08/21/07 09:16	98-08-8	

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ANALYTICAL RESULTS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1057049

Sample: MW-07 **Lab ID: 1057049005** Collected: 08/10/07 12:20 Received: 08/14/07 17.45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: TPH WI GRO/PVOC 8021							
Benzene	**589**	ppb	25.0	25		08/21/07 09:41	71-43-2	
Ethylbenzene	**1320**	ppb	25.0	25		08/21/07 09:41	100-41-4	
Gasoline Range Organics	**22900**	ppb	2500	25		08/21/07 09:41		
Toluene	**9140**	ppb	25.0	25		08/21/07 09:41	108-88-3	
Xylene (Total)	**5080**	ppb	75.0	25		08/21/07 09:41	1330-20-7	
a,a,a-Trifluorotoluene (S)	102	%	80-141	25		08/21/07 09:41	98-08-8	

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ANALYTICAL RESULTS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1057049

Sample: TRIP BLANK **Lab ID: 1057049006** Collected: 08/10/07 00:00 Received: 08/14/07 17:45 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		08/21/07 01:15	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		08/21/07 01:15	100-41-4	
Gasoline Range Organics	ND	ppb	100	1		08/21/07 01:15		
Toluene	ND	ppb	1.0	1		08/21/07 01:15	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		08/21/07 01:15	1330-20-7	
a,a,a-Trifluorotoluene (S)	103	%	80-141	1		08/21/07 01:15	98-08-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1057049

QC Batch: GCV/4345 Analysis Method: TPH WI GRO/PVOC 8021
QC Batch Method: TPH WI GRO/PVOC 8021 Analysis Description: WIGRO GCV Water
Associated Lab Samples: 1057049001, 1057049002, 1057049003, 1057049004, 1057049005, 1057049006

METHOD BLANK: 378606
Associated Lab Samples: 1057049001, 1057049002, 1057049003, 1057049004, 1057049005, 1057049006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Benzene	ppb	ND	1.0	
Ethylbenzene	ppb	ND	1.0	
Gasoline Range Organics	ppb	ND	100	
Toluene	ppb	ND	1.0	
Xylene (Total)	ppb	ND	3.0	
a,a,a-Trifluorotoluene (S)	%	99	80-141	

LABORATORY CONTROL SAMPLE & LCSD: 378607 378608

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ppb	100	92.3	101	92	101	80-120	9	20	
Ethylbenzene	ppb	100	97.3	106	97	106	80-120	9	20	
Gasoline Range Organics	ppb	1000	964	1010	96	101	80-120	4	20	
Toluene	ppb	100	93.8	103	94	103	80-120	9	20	
Xylene (Total)	ppb	300	292	316	97	105	80-120	8	20	
a,a,a-Trifluorotoluene (S)	%				97	106	80-141			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 378609 378610

Parameter	Units	1057299013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ppb	ND	100	100	92.9	97.5	93	97	80-120	5	20	
Ethylbenzene	ppb	ND	100	100	96.6	99.5	97	100	80-120	3	20	
Gasoline Range Organics	ppb	ND	1000	1000	920	928	92	93	80-120	.8	20	
Toluene	ppb	ND	100	100	93.2	97.6	93	98	80-120	5	20	
Xylene (Total)	ppb	ND	300	300	280	287	93	96	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%						101	98	80-141			

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QUALIFIERS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1057049

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.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

1057049

Page: of

1070885

Section A Required Client Information

Company	COTEAU ENVIRONMENTAL
Address	728 JAMES CIRCLE DR ALEXANDRIA, MN 56308
Email To	
Phone 320-846-4668	Fax
Requested Due Date/TAT:	

Section B Required Project Information

Report To	COTEAU
Copy To	COTEAU
Purchase Order No	
Project Name	KC KWIK STOP
Project Number	BARRON, MN

Section C Invoice Information

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

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW WT
WATER	WW P
WASTE WATER	SL
PRODUCT	OL
SOIL/SOLID	WP
OIL	AR
WIPE	OT
AIR	TS
OTHER	
TISSUE	

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BTEX	GRO	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-06	WT	G	8/10/07	1002				3				✓					Y	✓	✓		001
2	MW-04				1040				3				✓						✓	✓		002
3	MW-03				1117				3				✓						✓	✓		003
4	MW-05				1213				3				✓						✓	✓		004
5	MW-07				1220				3				✓						✓	✓		005
6	TRIP BLANK								2										✓	✓		006
7	TEMP BLANK								1													
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
		8/13/07	1630	PACE	8/14/07	1745	2.0c	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: SCOTT HUNKO

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 8/13/07

ORIGINAL

*Important Note By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1 5% per month for any invoices not paid within 30 days

Annual Monitoring Report

Former K-C Kwik Stop
Brooten, Minnesota

January 16, 2008
Section 2 of 2

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September 13, 2007

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

RE: Project: KC KWIK STOP
Pace Project No.: 1057907

Dear Scott Hunke:
Enclosed are the analytical results for sample(s) received by the laboratory on August 29, 2007. The results relate only to the samples included in this report. 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

Florida (Nelap) Certification #: E87605
Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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SAMPLE SUMMARY

Project: KC KWIK STOP
Pace Project No.: 1057907

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1057907001	BEDROOM CANISTER# (514)	Air	08/16/07 09:05	08/29/07 10:40

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SAMPLE ANALYTE COUNT

Project: KC KWIK STOP
Pace Project No.: 1057907

Lab ID	Sample ID	Method	Analytes Reported
1057907001	BEDROOM CANISTER# (514)	TO-15	58

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PROJECT NARRATIVE

Project: KC KWIK STOP
Pace Project No.: 1057907

Method: TO-15
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: September 13, 2007

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.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: AIR/6001

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 383141)
  - Acetone
  - Trichlorofluoromethane

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:

K1: The Total Hydrocarbon (THC) pattern occured in the first half of the chromatogram (before toluene).

- BEDROOM CANISTER# (514) (Lab ID: 1057907001)

Analyte Comments:

QC Batch: AIR/6001

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- DUP (Lab ID: 383140)
  - Acetone

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PROJECT NARRATIVE

Project: KC KWIK STOP
Pace Project No.: 1057907

Method: **TO-15**
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: September 13, 2007

Analyte Comments:

QC Batch: AIR/6001

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- DUP (Lab ID: 383140)
  - Propylene
  - Acetone

This data package has been reviewed for quality and completeness and is approved for release.

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: KC KWIK STOP
Pace Project No.: 1057907

Sample: BEDROOM CANISTER# (514) **Lab ID: 1057907001** Collected: 08/16/07 09:05 Received: 08/29/07 10:40 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**54.6**	ug/m3	1.2	2.42		08/30/07 21:52	67-64-1	
Benzene	ND	ug/m3	1.6	2.42		08/30/07 21:52	71-43-2	
Bromodichloromethane	ND	ug/m3	3.4	2.42		08/30/07 21:52	75-27-4	
Bromoform	ND	ug/m3	5.1	2.42		08/30/07 21:52	75-25-2	
Bromomethane	ND	ug/m3	1.9	2.42		08/30/07 21:52	74-83-9	
1,3-Butadiene	ND	ug/m3	1.1	2.42		08/30/07 21:52	106-99-0	
2-Butanone (MEK)	**4.7**	ug/m3	1.5	2.42		08/30/07 21:52	78-93-3	
Carbon disulfide	ND	ug/m3	1.5	2.42		08/30/07 21:52	75-15-0	
Carbon tetrachloride	ND	ug/m3	3.1	2.42		08/30/07 21:52	56-23-5	
Chlorobenzene	ND	ug/m3	2.3	2.42		08/30/07 21:52	108-90-7	
Chloroethane	ND	ug/m3	1.3	2.42		08/30/07 21:52	75-00-3	
Chloroform	ND	ug/m3	2.4	2.42		08/30/07 21:52	67-66-3	
Chloromethane	ND	ug/m3	1.0	2.42		08/30/07 21:52	74-87-3	
Cyclohexane	ND	ug/m3	1.6	2.42		08/30/07 21:52	110-82-7	
Dibromochloromethane	ND	ug/m3	4.1	2.42		08/30/07 21:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	3.9	2.42		08/30/07 21:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.9	2.42		08/30/07 21:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.9	2.42		08/30/07 21:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.9	2.42		08/30/07 21:52	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	2.4	2.42		08/30/07 21:52	75-71-8	
1,1-Dichloroethane	ND	ug/m3	2.0	2.42		08/30/07 21:52	75-34-3	
1,2-Dichloroethane	ND	ug/m3	2.0	2.42		08/30/07 21:52	107-06-2	
1,1-Dichloroethene	ND	ug/m3	2.0	2.42		08/30/07 21:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	2.0	2.42		08/30/07 21:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	2.0	2.42		08/30/07 21:52	156-60-5	
1,2-Dichloropropane	ND	ug/m3	2.3	2.42		08/30/07 21:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	2.2	2.42		08/30/07 21:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	2.2	2.42		08/30/07 21:52	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	3.4	2.42		08/30/07 21:52	76-14-2	
Ethyl acetate	ND	ug/m3	1.8	2.42		08/30/07 21:52	141-78-6	
Ethylbenzene	**4.8**	ug/m3	2.1	2.42		08/30/07 21:52	100-41-4	
4-Ethyltoluene	ND	ug/m3	6.0	2.42		08/30/07 21:52	622-96-8	
n-Heptane	ND	ug/m3	2.0	2.42		08/30/07 21:52	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	5.3	2.42		08/30/07 21:52	87-68-3	
n-Hexane	ND	ug/m3	1.7	2.42		08/30/07 21:52	110-54-3	
2-Hexanone	ND	ug/m3	2.0	2.42		08/30/07 21:52	591-78-6	
Methylene Chloride	**6.4**	ug/m3	1.7	2.42		08/30/07 21:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	2.0	2.42		08/30/07 21:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.8	2.42		08/30/07 21:52	1634-04-4	
Naphthalene	ND	ug/m3	6.5	2.42		08/30/07 21:52	91-20-3	
Propylene	ND	ug/m3	0.85	2.42		08/30/07 21:52	115-07-1	
Styrene	ND	ug/m3	2.1	2.42		08/30/07 21:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	3.4	2.42		08/30/07 21:52	79-34-5	
Tetrachloroethene	ND	ug/m3	3.4	2.42		08/30/07 21:52	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.5	2.42		08/30/07 21:52	109-99-9	
Toluene	**14.0**	ug/m3	1.9	2.42		08/30/07 21:52	108-88-3	

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ANALYTICAL RESULTS

Project: KC KWIK STOP
Pace Project No.: 1057907

Sample: BEDROOM CANISTER# (514) **Lab ID: 1057907001** Collected: 08/16/07 09:05 Received: 08/29/07 10:40 Matrix: Air

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	2.4	2.42		08/30/07 21:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.7	2.42		08/30/07 21:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	2.7	2.42		08/30/07 21:52	79-00-5	
Trichloroethene	ND	ug/m3	2.7	2.42		08/30/07 21:52	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.7	2.42		08/30/07 21:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.9	2.42		08/30/07 21:52	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	6.0	2.42		08/30/07 21:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	6.0	2.42		08/30/07 21:52	108-67-8	
Vinyl acetate	**3.3**	ug/m3	1.7	2.42		08/30/07 21:52	108-05-4	
Vinyl chloride	ND	ug/m3	1.3	2.42		08/30/07 21:52	75-01-4	
m&p-Xylene	**14.4**	ug/m3	4.3	2.42		08/30/07 21:52	1330-20-7	
o-Xylene	**3.3**	ug/m3	2.1	2.42		08/30/07 21:52	95-47-6	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1057907

QC Batch: AIR/6001
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 1057907001

METHOD BLANK: 382500
Associated Lab Samples: 1057907001

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	
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	
m&p-Xylene	ug/m3	ND	1.8	
Methyl-tert-butyl ether	ug/m3	ND	0.73	
Methylene Chloride	ug/m3	ND	0.71	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1057907

METHOD BLANK: 382500

Associated Lab Samples: 1057907001

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	
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: 382501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	57.8	104	60-134	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	63.2	91	55-141	
1,1,2-Trichloroethane	ug/m3	55.5	50.5	91	64-129	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	58.8	75	55-137	
1,1-Dichloroethane	ug/m3	41.1	35.3	86	59-136	
1,1-Dichloroethene	ug/m3	40.3	40.6	101	60-137	
1,2,4-Trichlorobenzene	ug/m3	75.4	87.8	116	50-150	
1,2,4-Trimethylbenzene	ug/m3	50	46.9	94	63-137	
1,2-Dibromoethane (EDB)	ug/m3	78.1	77.8	100	61-136	
1,2-Dichlorobenzene	ug/m3	61.1	58.0	95	60-139	
1,2-Dichloroethane	ug/m3	41.1	44.0	107	56-141	
1,2-Dichloropropane	ug/m3	47	52.2	111	57-131	
1,3,5-Trimethylbenzene	ug/m3	50	48.7	98	61-134	
1,3-Butadiene	ug/m3	22.5	21.2	94	53-140	
1,3-Dichlorobenzene	ug/m3	61.1	57.8	95	59-136	
1,4-Dichlorobenzene	ug/m3	61.1	59.0	97	59-130	
2-Butanone (MEK)	ug/m3	30	29.7	99	54-133	
2-Hexanone	ug/m3	41.6	44.5	107	54-139	
4-Ethyltoluene	ug/m3	50	47.7	95	61-138	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.6	42.3	102	53-139	
Acetone	ug/m3	24.1	19.9	83	50-139	
Benzene	ug/m3	32.5	29.8	92	64-125	
Bromodichloromethane	ug/m3	68.1	65.5	96	61-131	
Bromoform	ug/m3	105	103	98	66-138	
Bromomethane	ug/m3	39.5	36.8	93	55-135	
Carbon disulfide	ug/m3	31.7	33.8	107	50-150	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1057907

LABORATORY CONTROL SAMPLE: 382501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/m3	64	65.0	102	58-135	
Chlorobenzene	ug/m3	46.8	45.2	97	62-139	
Chloroethane	ug/m3	26.8	26.5	99	56-140	
Chloroform	ug/m3	49.6	48.9	98	50-150	
Chloromethane	ug/m3	21	19.2	91	56-144	
cis-1,2-Dichloroethene	ug/m3	40.3	38.4	95	62-135	
cis-1,3-Dichloropropene	ug/m3	46.1	57.7	125	64-133	
Cyclohexane	ug/m3	35	38.2	109	54-139	
Dibromochloromethane	ug/m3	86.6	83.9	97	50-150	
Dichlorodifluoromethane	ug/m3	50.3	47.3	94	60-130	
Dichlorotetrafluoroethane	ug/m3	71.1	57.6	81	59-130	
Ethyl acetate	ug/m3	36.6	46.8	128	60-132	
Ethylbenzene	ug/m3	44.1	48.9	111	65-140	
Hexachloro-1,3-butadiene	ug/m3	108	125	115	50-150	
m&p-Xylene	ug/m3	88.3	89.1	101	60-132	
Methyl-tert-butyl ether	ug/m3	36.6	37.2	101	50-150	
Methylene Chloride	ug/m3	35.3	32.5	92	56-138	
n-Heptane	ug/m3	41.7	39.9	96	62-135	
n-Hexane	ug/m3	35.8	40.3	112	62-134	
Naphthalene	ug/m3	53.3	61.3	115	70-130	CH
o-Xylene	ug/m3	44.1	43.4	98	64-132	
Propylene	ug/m3	17.5	21.2	121	56-125	
Styrene	ug/m3	43.3	43.5	100	69-134	
Tetrachloroethene	ug/m3	68.9	66.5	96	60-137	
Tetrahydrofuran	ug/m3	30	17.1	57	52-139	
Toluene	ug/m3	38.3	35.1	92	69-130	
trans-1,2-Dichloroethene	ug/m3	40.3	40.7	101	50-150	
trans-1,3-Dichloropropene	ug/m3	46.1	50.9	110	70-142	
Trichloroethene	ug/m3	54.6	60.5	111	60-134	
Trichlorofluoromethane	ug/m3	57.1	53.4	94	56-141	
Vinyl acetate	ug/m3	35.8	39.0	109	61-142	
Vinyl chloride	ug/m3	26	25.0	96	66-132	

SAMPLE DUPLICATE: 383139

Parameter	Units	1057396001 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	ND	ND	0	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	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1057907

SAMPLE DUPLICATE: 383139

Parameter	Units	1057396001 Result	Dup Result	RPD	Max RPD	Qualifiers
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	ND	0	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	7.0	6.9	.7	25	
Benzene	ug/m3	ND	ND	0	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	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	ND	ND	0	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	5.4	5.6	2	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	
m&p-Xylene	ug/m3	ND	ND	0	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	ND	ND	0	25	
n-Heptane	ug/m3	ND	ND	0	25	
n-Hexane	ug/m3	ND	ND	0	25	
Naphthalene	ug/m3	ND	ND	0	25	
o-Xylene	ug/m3	ND	ND	0	25	
Propylene	ug/m3	2.2	2.1	5	25	
Styrene	ug/m3	ND	ND	0	25	
Tetrachloroethene	ug/m3	ND	ND	0	25	
Tetrahydrofuran	ug/m3	ND	ND	0	25	
Toluene	ug/m3	2.8	2.8	.5	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	2.4	2.5	3	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1057907

SAMPLE DUPLICATE: 383140

Parameter	Units	1057911003 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	16.4	17.4	6	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	4.8	5.1	5	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	17.2	16.0	7	25	
2-Hexanone	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	4.4	5.0	12	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	74.3	81.7	9	25	E
Benzene	ug/m3	16.2	16.1	.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	14.5	15.0	3	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	5.3	5.5	3	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	19.5	19.6	.5	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	2.9	3.0	2	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	37.0	38.3	3	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	
m&p-Xylene	ug/m3	23.4	23.8	2	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	ND	ND	0	25	
n-Heptane	ug/m3	24.8	24.4	2	25	
n-Hexane	ug/m3	37.6	37.7	.3	25	
Naphthalene	ug/m3	ND	ND	0	25	
o-Xylene	ug/m3	10.1	10.3	3	25	
Propylene	ug/m3	116	115	.5	25	E

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(612)607-1700

QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1057907

SAMPLE DUPLICATE: 383140

Parameter	Units	1057911003 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	
Toluene	ug/m3	54.9	54.7	.4	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	ND	ND	0	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

SAMPLE DUPLICATE: 383141

Parameter	Units	1057544007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	2.3	1.8	24	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	3.6	3.6	.3	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	8.2	8.2	.9	25	
2-Hexanone	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	ND	ND	0	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	226	396	55	25	D6,E
Benzene	ug/m3	2.2	2.2	.7	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	2.7	2.6	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	

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QUALITY CONTROL DATA

Project: KC KWIK STOP
Pace Project No.: 1057907

SAMPLE DUPLICATE: 383141

Parameter	Units	1057544007 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyclohexane	ug/m3	ND	ND	0	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	2.9	2.3	21	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	4.8	4.8	.6	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	
m&p-Xylene	ug/m3	ND	ND	0	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	ND	ND	0	25	
n-Heptane	ug/m3	2.2	2.2	.1	25	
n-Hexane	ug/m3	3.4	3.3	2	25	
Naphthalene	ug/m3	ND	ND	0	25	
o-Xylene	ug/m3	ND	ND	0	25	
Propylene	ug/m3	11.1	11.8	6	25	
Styrene	ug/m3	ND	ND	0	25	
Tetrachloroethene	ug/m3	7.5	7.5	.4	25	
Tetrahydrofuran	ug/m3	ND	ND	0	25	
Toluene	ug/m3	6.3	6.6	4	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	3.2	2.4	31	25	D6
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

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QUALIFIERS

Project: KC KWIK STOP
Pace Project No.: 1057907

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.
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

SAMPLE QUALIFIERS

Sample: 1057907001

[1]	The Total Hydrocarbon (THC) pattern occured in the first half of the chromatogram (before toluene).

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
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.

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KC KWIK STOP
Pace Project No.: 1057907

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1057907001	**BEDROOM CANISTER# (514)**	TO-15	AIR/6001		

Data File: \\192.168.10.12\chem\10air7.i\083007.b\24225.D
Report Date: 04-Sep-2007 13:31

Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Sample 7
Lab Smp Id: 1057907001
Operator : HRG
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 30-AUG-2007 21:52

Client SDG: 102205
Client Smp ID: 1057907001
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	4.067	9.38	J
2.	106-97-8	Butane	4.142	18.0	NJ
3.	64-17-5	Ethanol	4.441	25.2	NJ
4.	67-63-0	Isopropyl Alcohol	4.762	6.68	NJ
5.	565-75-3	Pentane, 2,3,4-trimethyl-	8.907	12.2	NJ
6.	560-21-4	Pentane, 2,3,3-trimethyl-	9.064	18.9	NJ
7.	16747-26-5	Hexane, 2,2,4-trimethyl-	9.540	5.12	NJ
8.	541-05-9	Cyclotrisiloxane, hexamethy	10.156	2.55	NJ
9.	556-67-2	Cyclotetrasiloxane, octamet	13.957	4.91	NJ
10.	5989-54-8	Cyclohexene, 1-methyl-4-(1-	15.259	3.36	NJ

Data File: \\192.168.10.12\chem\10air7.i\083007.b\24225.D
Report Date: 04-Sep-2007 13:31

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\192.168.10.12\chem\10air7.i\083007.b\24225.D
Lab Smp Id: 1057907001 Client Smp ID: 1057907001
Inj Date : 30-AUG-2007 21:52
Operator : HRG Inst ID: 10air7.i
Smp Info : Sample 7
Misc Info : 6001
Comment : Volatile Organic COMPOUNDS in Air
Method : \\192.168.10.12\chem\10air7.i\083007.b\LOWTO15_240.m
Meth Date : 31-Aug-2007 14:06 10air7.i Quant Type: ISTD
Cal Date : 28-AUG-2007 11:57 Cal File: 24007.D
Als bottle: 25
Dil Factor: 2.42000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	2.420	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 35 1,4-Difluorobenzene	7.376	3966961	10.000
* 50 Chlorobenzene - d5	11.189	6290125	10.000

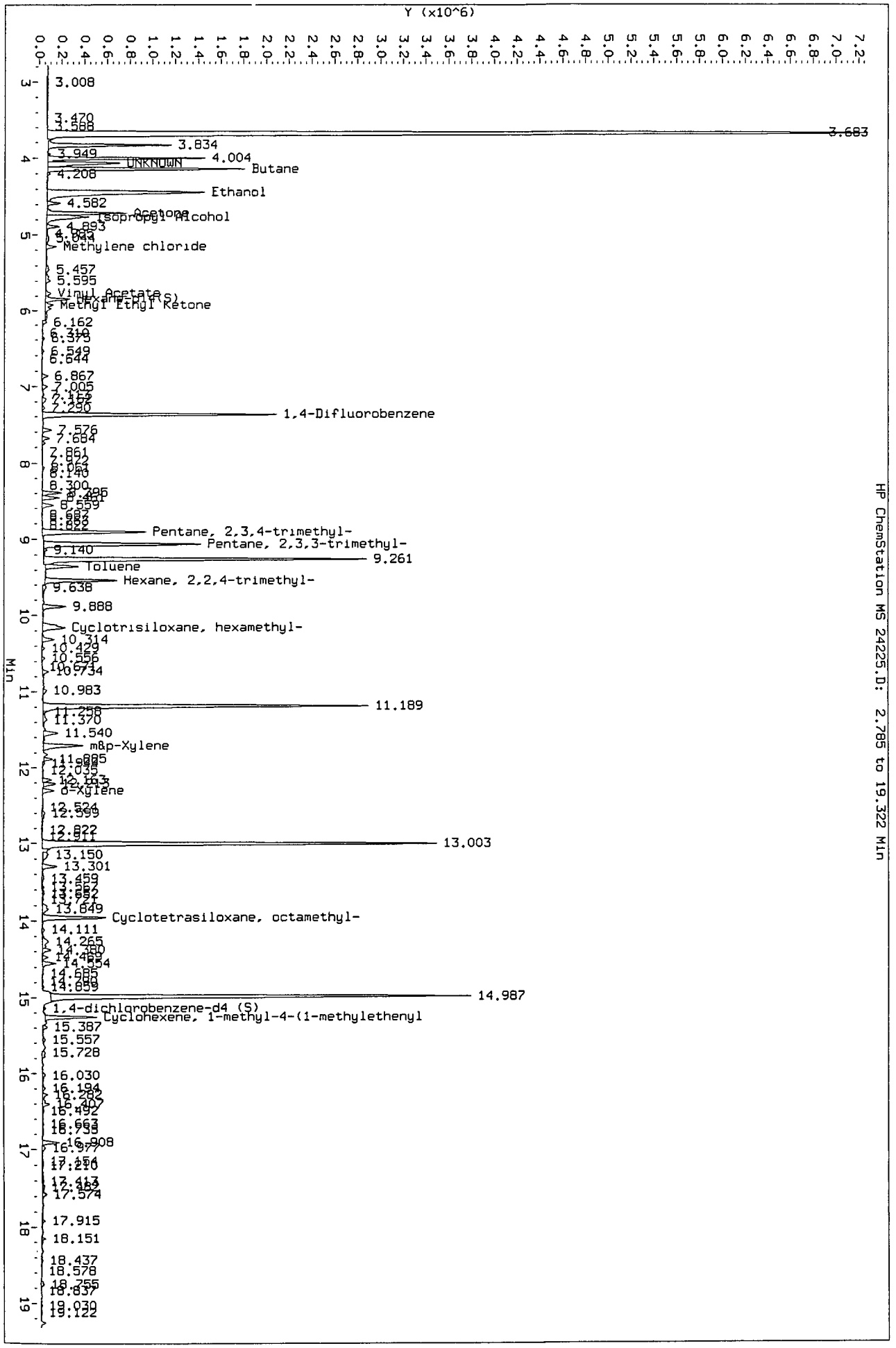
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.067	1536834	3.87408339	9.38	0		0	35
Butane				CAS #: 106-97-8			
4.142	2960296	7.46237711	18.0	72	NBS75K.1	62336	35
Ethanol				CAS #: 64-17-5			
4.441	4133977	10.4210170	25.2	90	NBS75K.1	49	35(L)
Isopropyl Alcohol				CAS #: 67-63-0			
4.762	1095255	2.76094130	6.68	80	NBS75K.1	62358	35(L)
Pentane, 2,3,4-trimethyl-				CAS #: 565-75-3			
8.907	1992858	5.02363970	12.2	90	NBS75K.1	64228	35

Data File: \\192.168.10.12\chem\10air7.i\083007.b\24225.D
Report Date: 04-Sep-2007 13:31

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Pentane, 2,3,3-trimethyl-				CAS #: 560-21-4			
9.064	3103290	7.82284034	18.9	83	NBS75K.l	3088	35
Hexane, 2,2,4-trimethyl-				CAS #: 16747-26-5			
9.540	1331338	2.11655176	5.12	83	NBS75K.l	65103	50
Cyclotrisiloxane, hexamethyl-				CAS #: 541-05-9			
10.156	664031	1.05567197	2.55	80	NBS75K.l	27918	50
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
13.957	1276904	2.03001410	4.91	86	NBS75K.l	41966	50
Cyclohexene, 1-methyl-4-(1-methylethenyl				CAS #: 5989-54-8			
15.259	873838	1.38922118	3.36	94	NBS75K.l	65806	50

QC Flag Legend

L - Operator selected an alternate library search match.



Data File: \\192.168.10.12\chem\10air7.i\083007.b\24225.D
Injection Date: 30-AUG-2007 21:52
Instrument: 10air7.i
Client Sample ID: 1057907001

HP ChemStation MS 24225.D: 2.785 to 19.322 Min

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CHAIN-OF-CUSTODY / Analytical Request Document

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

1057907

Section A Required Client Information	Section B Required Project Information	Section C Invoice Information	Page: of
Company: COTEAU ENVIRONMENTAL	Report To: COTEAU	Attention: SCOTT	1121444
Address: 728 JAMES CIRCLE DR	Copy To: COTEAU	Company Name: COTEAU	REGULATORY AGENCY
ALEXANDRIA, MN 56308		Address	☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
Email To	Purchase Order No:	Pace Quote Reference	☐ UST ☐ RCRA ☐ OTHER
Phone: 320-846-4668 Fax:	Project Name: KC KWIK STOP	Pace Project Manager	Site Location STATE:
Requested Due Date/TAT:	Project Number: BROOTEN, MN	Pace Profile #	

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

CANISTER #

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	CANISTER #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: VOCs (10-15)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	BEDROOM	(514)	AR	G	8/15/07	0900	8/16/07	0905		1										Y			001
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
514 - 14 PSC LEFT	[signature]	8/20/07	1700	[signature]	8/20/07	935				
	[signature]	8/29/07	1040	[signature]	8-29-07	1040	Ant	N	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: SCOTT HUNKE

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8/20/07

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1 5% per month for any invoices not paid within 30 days

KC Kwik Stop
Project # 1057049
8/14/2007

Report Date: 21-Aug-2007 14:42

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\082007b.b\f6-23247.d

Lab Smp Id: 1057049001

Inj Date : 21-AUG-2007 06:50

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1057049001

Misc Info : 4345

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\082007b.b\Gro215.m

Meth Date : 21-Aug-2007 14:42 10gcv3.i Quant Type: ESTD

Cal Date : 03-AUG-2007 15:19 Cal File: f6-21510.d

Als bottle: 47

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

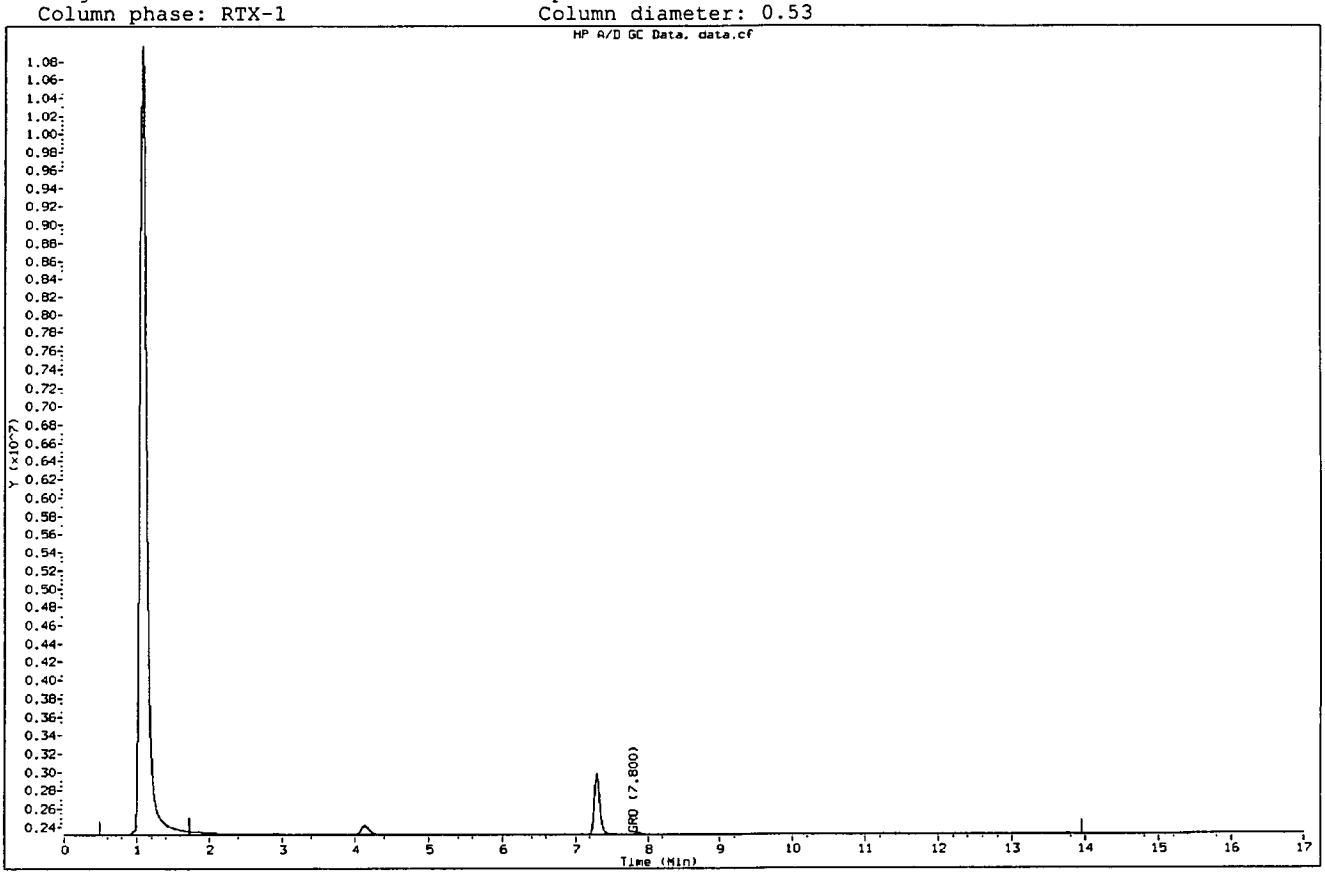
Processing Host: 10DTOCKO

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	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\082007b.b/f6-23247.d
Report Date: 08/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1057049001
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 21-Aug-2007 14:38

Pace Analytical Services

MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\082007b.b\p6-23247.d

Lab Smp Id: 1057049001

Inj Date : 21-AUG-2007 06:50

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1057049001

Misc Info : 4345

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\082007b.b\BTEX215.m

Meth Date : 21-Aug-2007 14:38 10gcv3.i Quant Type: ISTD

Cal Date : 03-AUG-2007 14:54 Cal File: p6-21509.d

Als bottle: 47

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable

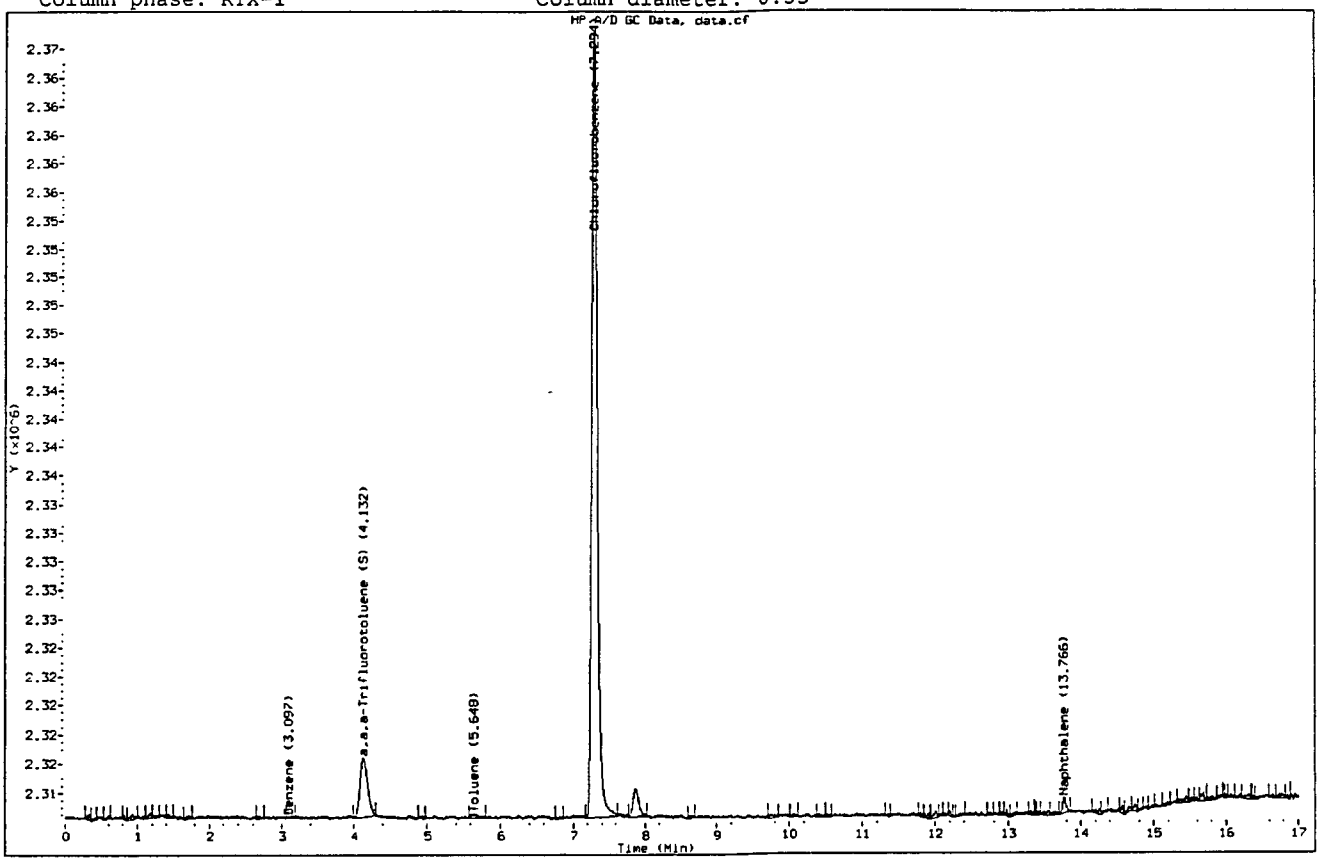
Cpnd Variable Local Compound Variable

						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	3.096	3.136	(0.425)	701	0.14682	0.147(a)
$	3 a,a,a-Trifluorotoluene (S)	4.131	4.134	(0.566)	30605	18.9640	19.0
	4 Toluene	5.647	5.618	(0.774)	2239	0.46394	0.464(a)
*	5 Chlorofluorobenzene	7.294	7.294	(1.000)	295556	100.000	
	6 Ethylbenzene	Compound Not Detected.					
	7 m&p-Xylene	Compound Not Detected.					
	8 o-Xylene	Compound Not Detected.					
	10 1,3,5-Trimethylbenzene	Compound Not Detected.					
	11 1,2,4-Trimethylbenzene	Compound Not Detected.					
	12 Naphthalene	13.765	13.751	(1.887)	3652	1.04284	1.04
M	9 Xylene (total)	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\082007b.b/p6-23247.d
Report Date: 08/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: I057049001
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 21-Aug-2007 14:42

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\082007b.b\f6-23248.d

Lab Smp Id: 1057049002

Inj Date : 21-AUG-2007 07:14

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1057049002

Misc Info : 4345

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\082007b.b\Gro215.m

Meth Date : 21-Aug-2007 14:42 10gcv3.i Quant Type: ESTD

Cal Date : 03-AUG-2007 15:19 Cal File: f6-21510.d

Als bottle: 48

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

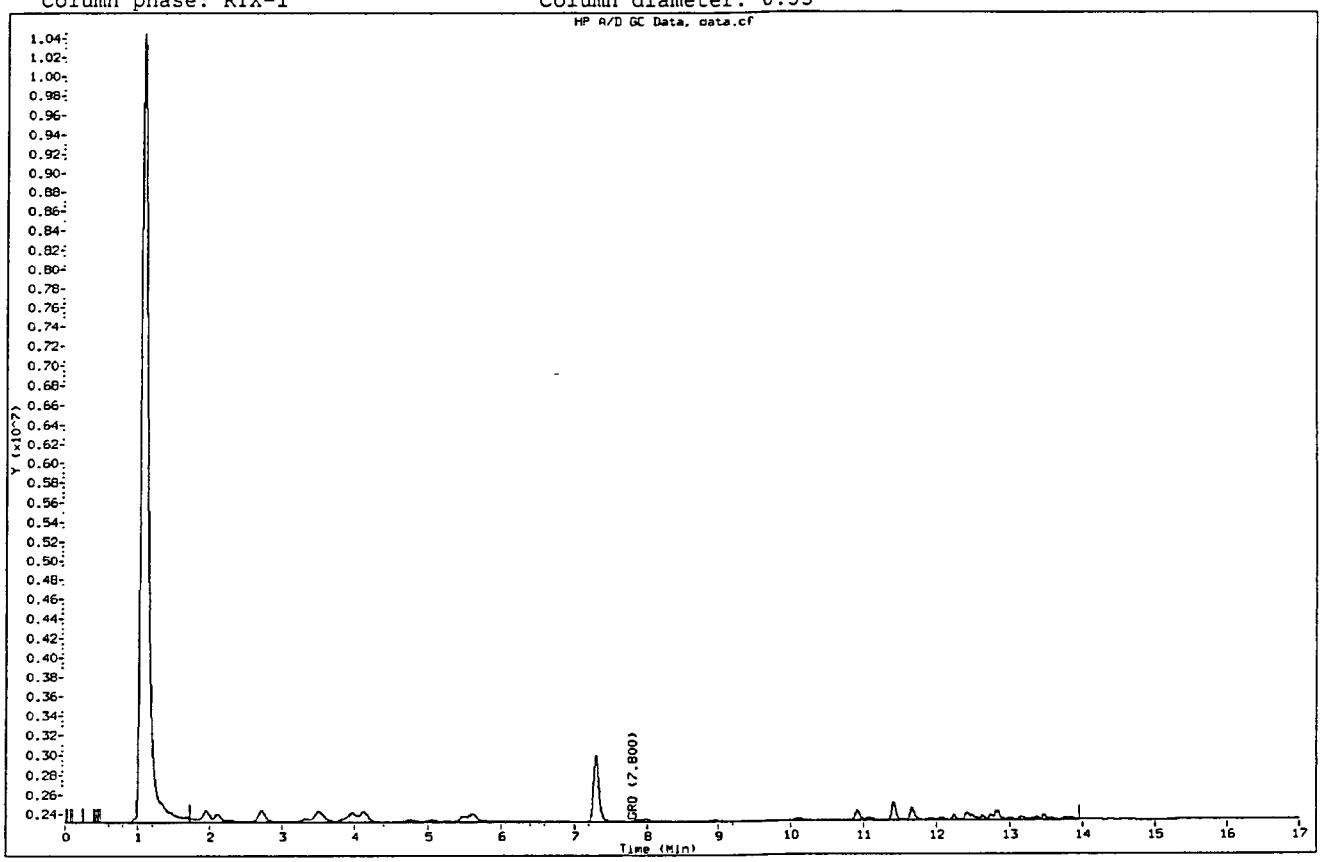
Processing Host: 10DTOCKO

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	1.700-13.900			343933679	236.891	236.9

Data File: \\192.168.10.12\chem\10gcv3.i\082007b.b/f6-23248.d
Report Date: 08/21/2007
Client ID:
Instrument: 10gcv3.i
Sample Information: 1057049002
Purge Volume:
Operator: DJT
Column phase: RTX-1
Column diameter: 0.53



Pace Analytical Services

MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\082007b.b\p6-23248.d
Lab Smp Id: 1057049002
Inj Date : 21-AUG-2007 07:14
Operator : DJT Inst ID: 10gcv3.i
Smp Info : 1057049002
Misc Info : 4345
Comment :
Method : \\192.168.10.12\chem\10gcv3.i\082007b.b\BTEX215.m
Meth Date : 21-Aug-2007 14:38 10gcv3.i Quant Type: ISTD
Cal Date : 03-AUG-2007 14:54 Cal File: p6-21509.d
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

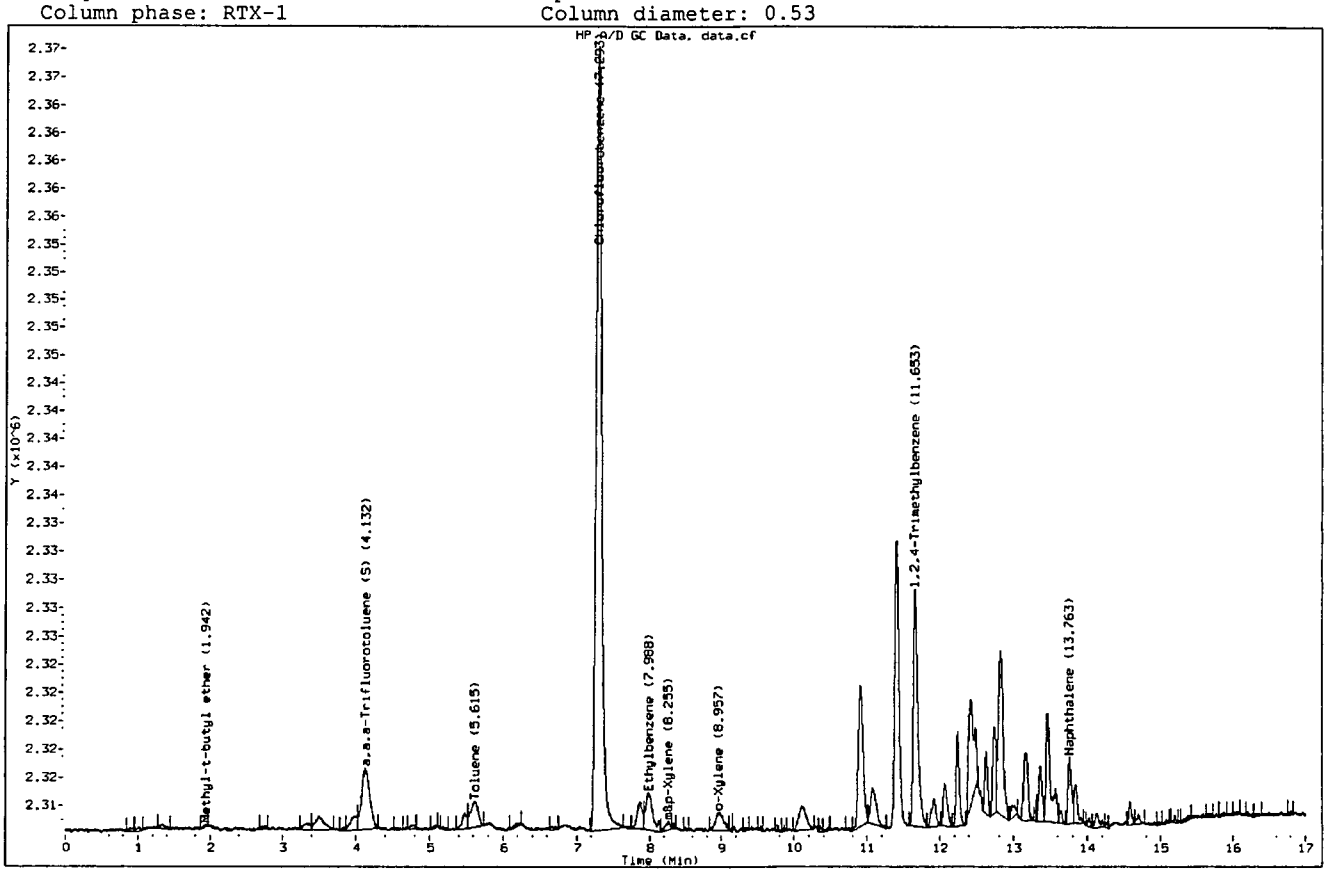
						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	1 Methyl-t-butyl ether	1.941	1.910	(0.266)	531	0.26368	0.264(a)
	2 Benzene	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	4.131	4.134	(0.566)	32673	20.0703	20.1
	4 Toluene	5.615	5.618	(0.770)	13083	2.68747	2.69
*	5 Chlorofluorobenzene	7.293	7.294	(1.000)	298135	100.000	
	6 Ethylbenzene	7.988	7.987	(1.095)	17580	3.94889	3.95
	7 m&p-Xylene	8.255	8.252	(1.132)	2635	0.50589	0.506(a)
	8 o-Xylene	8.957	8.958	(1.228)	10044	2.13068	2.13
	10 1,3,5-Trimethylbenzene	Compound Not Detected.					
	11 1,2,4-Trimethylbenzene	11.653	11.651	(1.598)	71412	13.3904	13.4(M)
	12 Naphthalene	13.762	13.751	(1.887)	15375	4.35240	4.35
M	9 Xylene (total)				12679	2.63657	2.64

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10gcv3.i\082007b.b/p6-23248.d
Report Date: 08/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1057049002
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 21-Aug-2007 14:38

Pace Analytical Services

MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\082007b.b\p6-23249.d

Lab Smp Id: 1057049003

Inj Date : 21-AUG-2007 07:39

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1057049003

Misc Info : 4345

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\082007b.b\BTEX215.m

Meth Date : 21-Aug-2007 14:38 10gcv3.i Quant Type: ISTD

Cal Date : 03-AUG-2007 14:54 Cal File: p6-21509.d

Als bottle: 49

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable

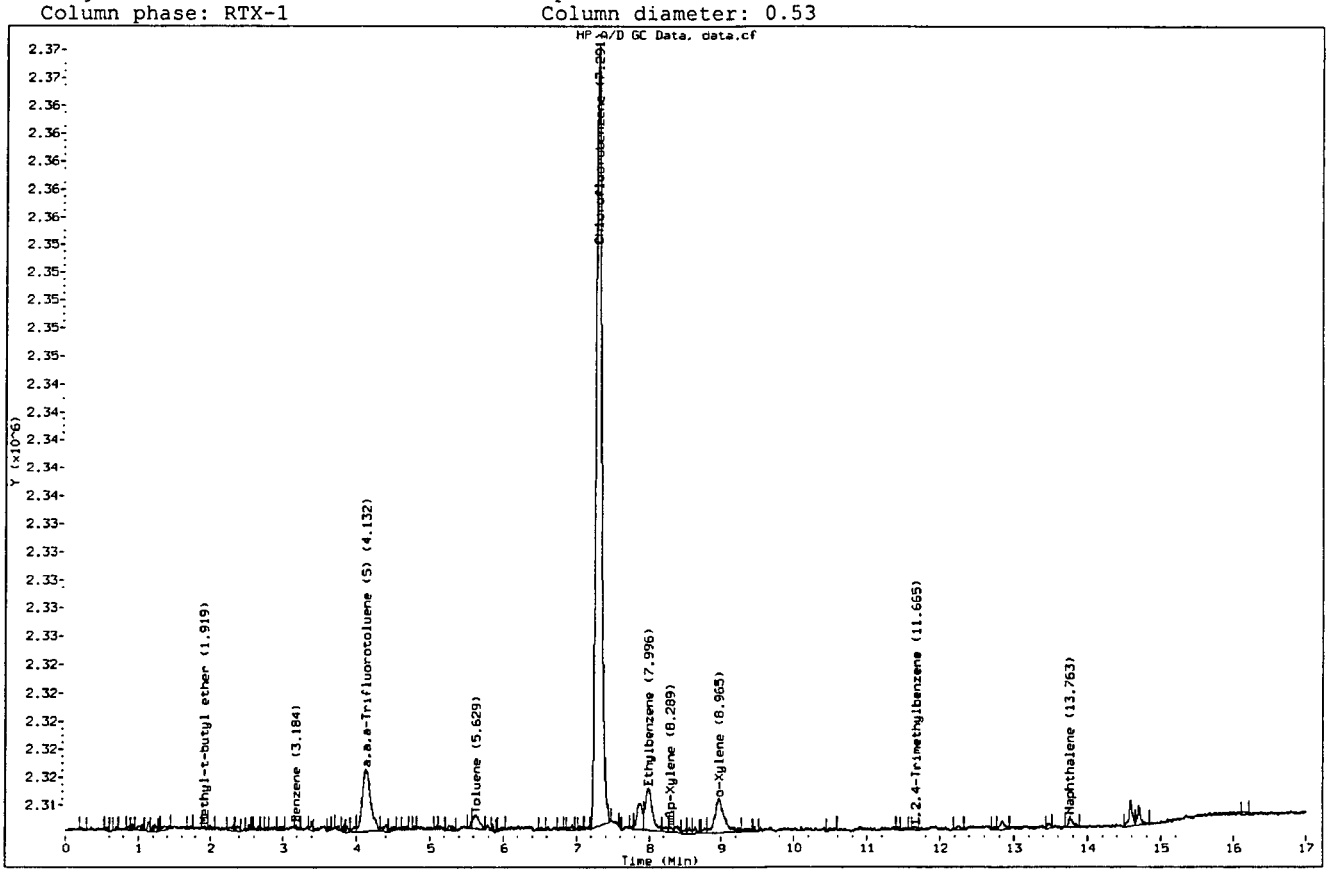
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 Methyl-t-butyl ether	1.919	1.910	(0.263)	477	0.24523	0.245(a)
	2 Benzene	3.184	3.136	(0.437)	601	0.12920	0.129(a)
$	3 a,a,a-Trifluorotoluene (S)	4.131	4.134	(0.567)	35507	22.5817	22.6
	4 Toluene	5.629	5.618	(0.772)	5900	1.25478	1.25
*	5 Chlorofluorobenzene	7.290	7.294	(1.000)	287961	100.000	
	6 Ethylbenzene	7.995	7.987	(1.097)	20518	4.77168	4.77
	7 m&p-Xylene	8.289	8.252	(1.137)	1237	0.24588	0.246(a)
	8 o-Xylene	8.965	8.958	(1.230)	22123	4.85887	4.86
	10 1,3,5-Trimethylbenzene	Compound Not Detected.					
	11 1,2,4-Trimethylbenzene	11.665	11.651	(1.600)	825	0.16016	0.160(a)
	12 Naphthalene	13.762	13.751	(1.888)	3305	0.96864	0.969(a)
M	9 Xylene (total)				23360	5.10475	5.10

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\082007b.b/p6-23249.d
Report Date: 08/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1057049003
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



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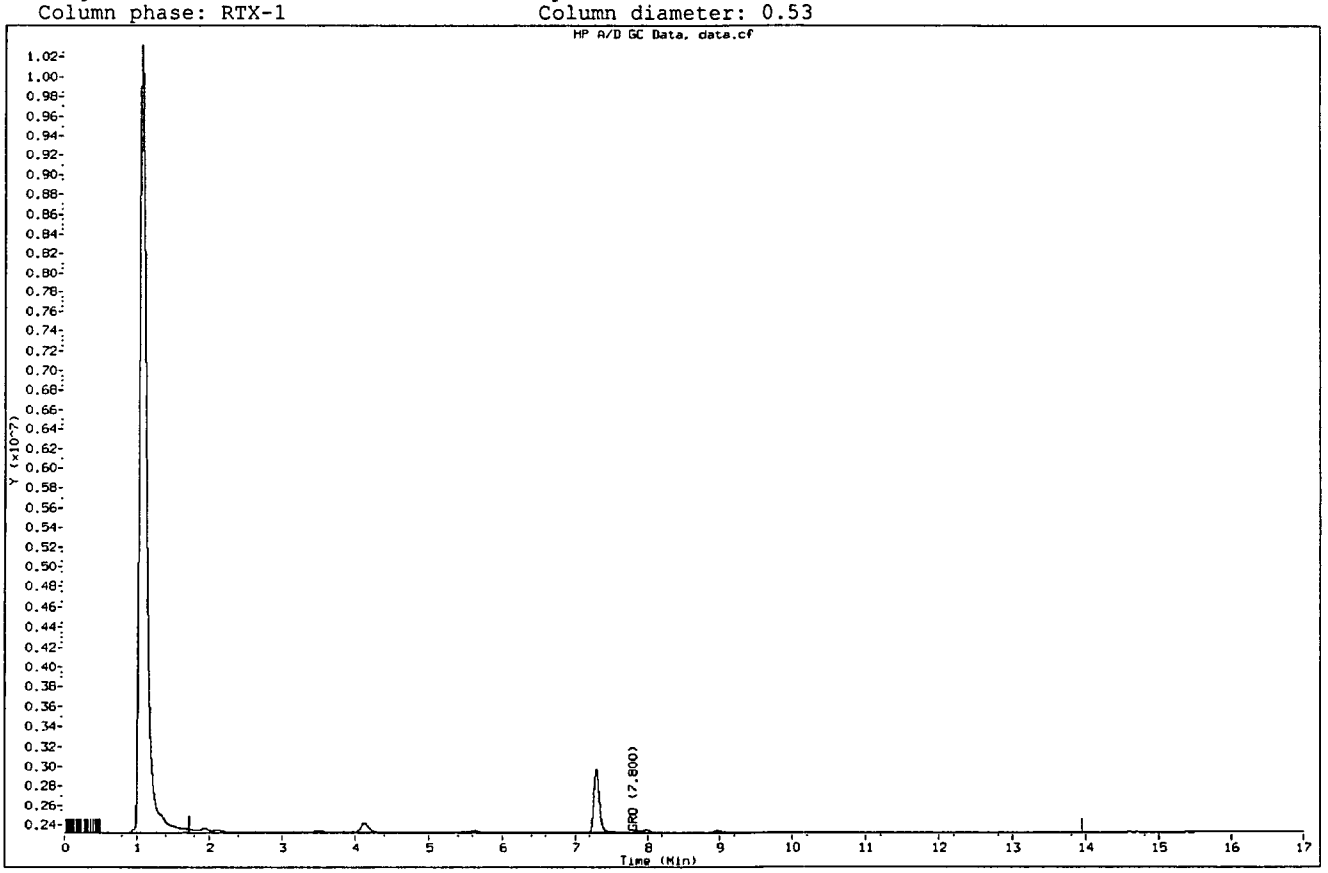
Data file : \\192.168.10.12\chem\10gcv3.i\082007b.b\f6-23249.d
Lab Smp Id: 1057049003
Inj Date : 21-AUG-2007 07:39
Operator : DJT Inst ID: 10gcv3.i
Smp Info : 1057049003
Misc Info : 4345
Comment :
Method : \\192.168.10.12\chem\10gcv3.i\082007b.b\Gro215.m
Meth Date : 21-Aug-2007 14:42 10gcv3.i Quant Type: ESTD
Cal Date : 03-AUG-2007 15:19 Cal File: f6-21510.d
Als bottle: 49
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

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

Data File: \\192.168.10.12\chem\10gcv3.i\082007b.b/f6-23249.d
Report Date: 08/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1057049003
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



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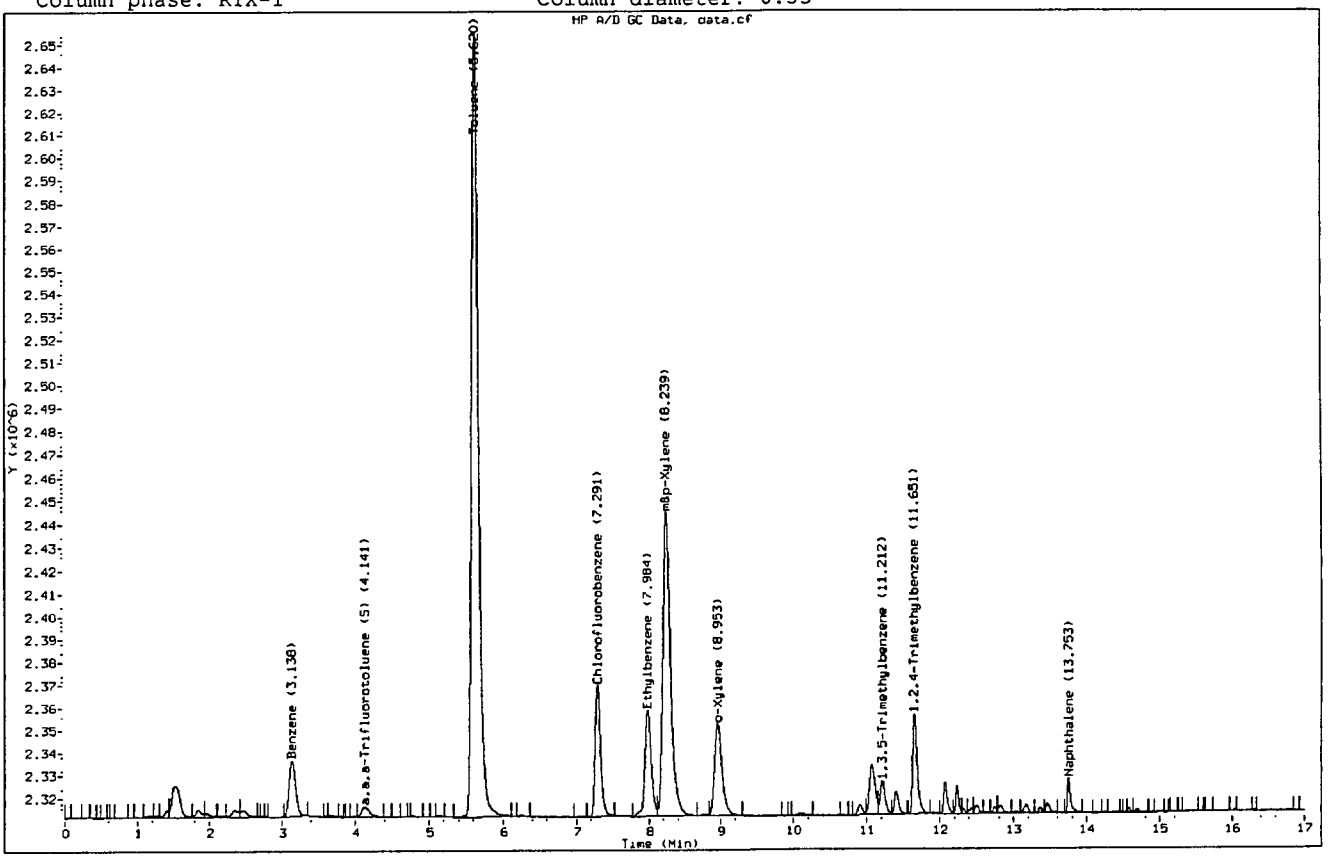
MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\082007b.b\p6-23253.d
Lab Smp Id: 1057049004
Inj Date : 21-AUG-2007 09:16
Operator : DJT Inst ID: 10gcv3.i
Smp Info : 1057049004 25x
Misc Info : 4345
Comment :
Method : \\192.168.10.12\chem\10gcv3.i\082007b.b\BTEX215.m
Meth Date : 21-Aug-2007 14:38 10gcv3.i Quant Type: ISTD
Cal Date : 03-AUG-2007 14:54 Cal File: p6-21509.d
Als bottle: 53
Dil Factor: 25.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10DTOCKO

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	3.138	3.136	(0.430)	149557	31.3627	784
$	3 a,a,a-Trifluorotoluene (S)	4.140	4.134	(0.568)	36013	22.3422	22.3
	4 Toluene	5.620	5.618	(0.771)	2218866	460.330	11500
*	5 Chlorofluorobenzene	7.290	7.294	(1.000)	295196	100.000	
	6 Ethylbenzene	7.984	7.987	(1.095)	285400	64.7460	1620
	7 m&p-Xylene	8.239	8.252	(1.130)	979774	189.979	4750
	8 o-Xylene	8.953	8.958	(1.228)	289012	61.9199	1550
	10 1,3,5-Trimethylbenzene	11.211	11.210	(1.538)	67635	9.69141	242
	11 1,2,4-Trimethylbenzene	11.650	11.651	(1.598)	183020	34.6596	866
	12 Naphthalene	13.753	13.751	(1.886)	45798	13.0937	327
M	9 Xylene (total)				1268786	251.899	6300

Data File: \\192.168.10.12\chem\10gcv3.i\082007b.b/p6-23253.d
Report Date: 08/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1057049004 25x
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 21-Aug-2007 14:42

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Data file : \\192.168.10.12\chem\10gcv3.i\082007b.b\f6-23253.d

Lab Smp Id: 1057049004

Inj Date : 21-AUG-2007 09:16

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1057049004 25x

Misc Info : 4345

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\082007b.b\Gro215.m

Meth Date : 21-Aug-2007 14:42 10gcv3.i Quant Type: ESTD

Cal Date : 03-AUG-2007 15:19 Cal File: f6-21510.d

Als bottle: 53

Dil Factor: 25.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

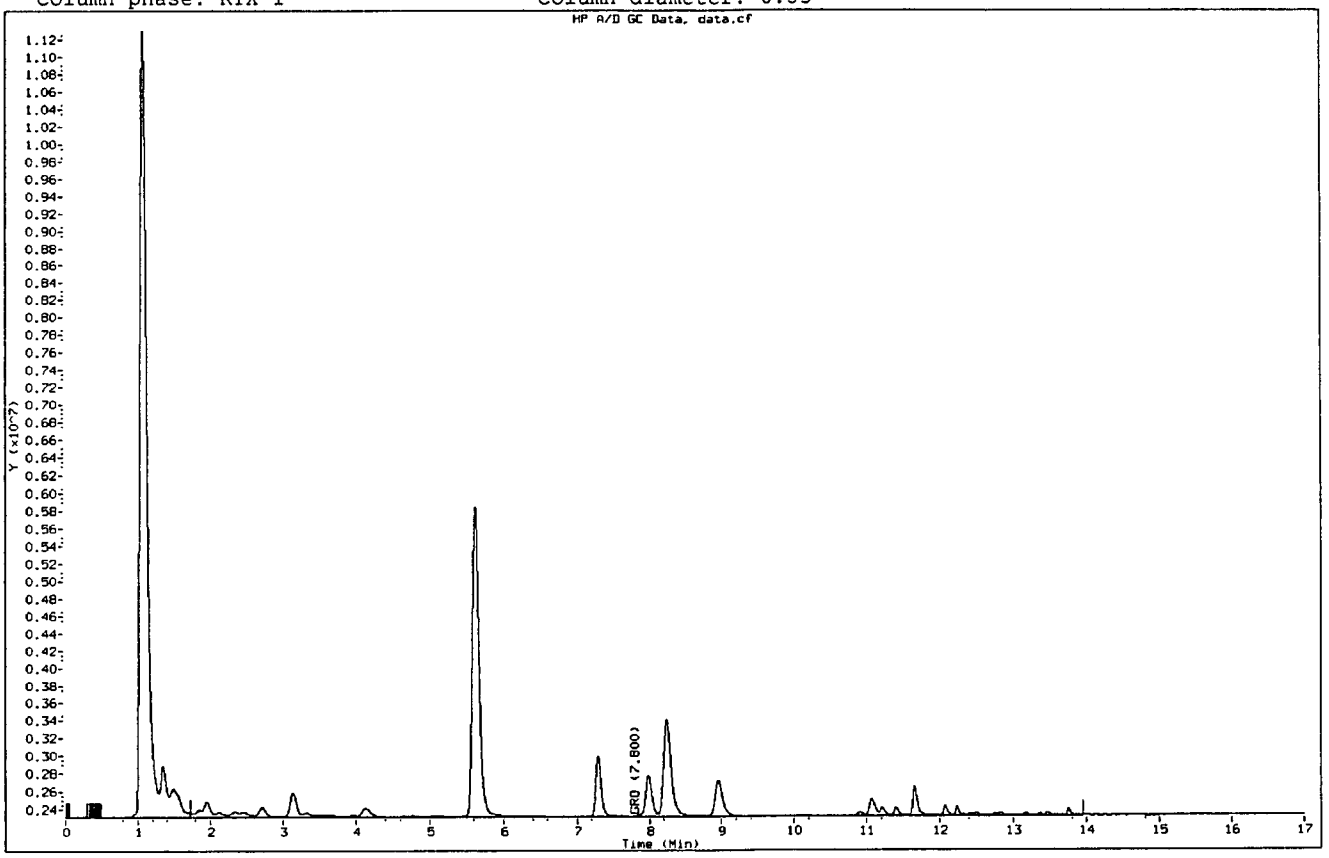
Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
S 5 GRO	1.700-13.900			1062102991	1127.52	28190

Data File: \\192.168.10.12\chem\10gcv3.i\082007b.b/f6-23253.d
Report Date: 08/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1057049004 25x
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 21-Aug-2007 14:39

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MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\082007b.b\p6-23254.d

Lab Smp Id: 1057049005

Inj Date : 21-AUG-2007 09:41

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1057049005 25x

Misc Info : 4345

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\082007b.b\BTEX215.m

Meth Date : 21-Aug-2007 14:38 10gcv3.i Quant Type: ISTD

Cal Date : 03-AUG-2007 14:54 Cal File: p6-21509.d

Als bottle: 54

Dil Factor: 25.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

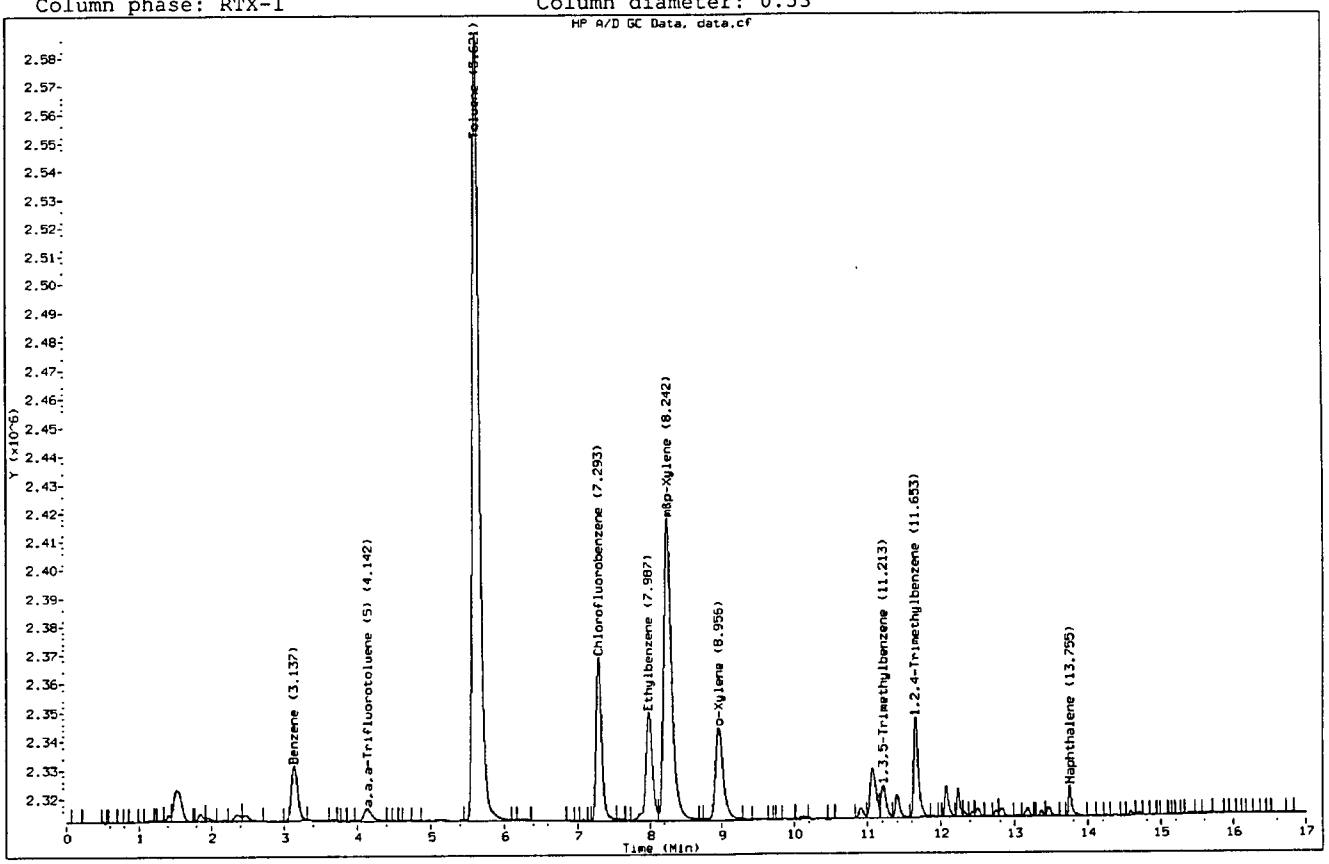
Processing Host: 10DTOCKO

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	3.136	3.136	(0.430)	114192	23.5642	589
$	3 a,a,a-Trifluorotoluene (S)	4.141	4.134	(0.568)	33506	20.4550	20.4
	4 Toluene	5.620	5.618	(0.771)	1791771	365.790	9140
*	5 Chlorofluorobenzene	7.292	7.294	(1.000)	299985	100.000	
	6 Ethylbenzene	7.986	7.987	(1.095)	236051	52.6958	1320
	7 m&p-Xylene	8.242	8.252	(1.130)	796915	152.056	3800
	8 o-Xylene	8.955	8.958	(1.228)	243209	51.2749	1280
	10 1,3,5-Trimethylbenzene	11.213	11.210	(1.538)	53658	7.56591	189
	11 1,2,4-Trimethylbenzene	11.652	11.651	(1.598)	147962	27.5731	689
	12 Naphthalene	13.755	13.751	(1.886)	32829	9.23601	231
M	9 Xylene (total)				1040124	203.330	5080

Data File: \\192.168.10.12\chem\10gcv3.i\082007b.b/p6-23254.d
Report Date: 08/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1057049005 25x
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 21-Aug-2007 14:38

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MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\082007b.b\p6-23233.d

Lab Smp Id: 1057049006

Inj Date : 21-AUG-2007 01:15

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1057049006

Misc Info : 4345

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\082007b.b\BTEX215.m

Meth Date : 21-Aug-2007 12:57 dtocko Quant Type: ISTD

Cal Date : 03-AUG-2007 14:54 Cal File: p6-21509.d

Als bottle: 33

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable

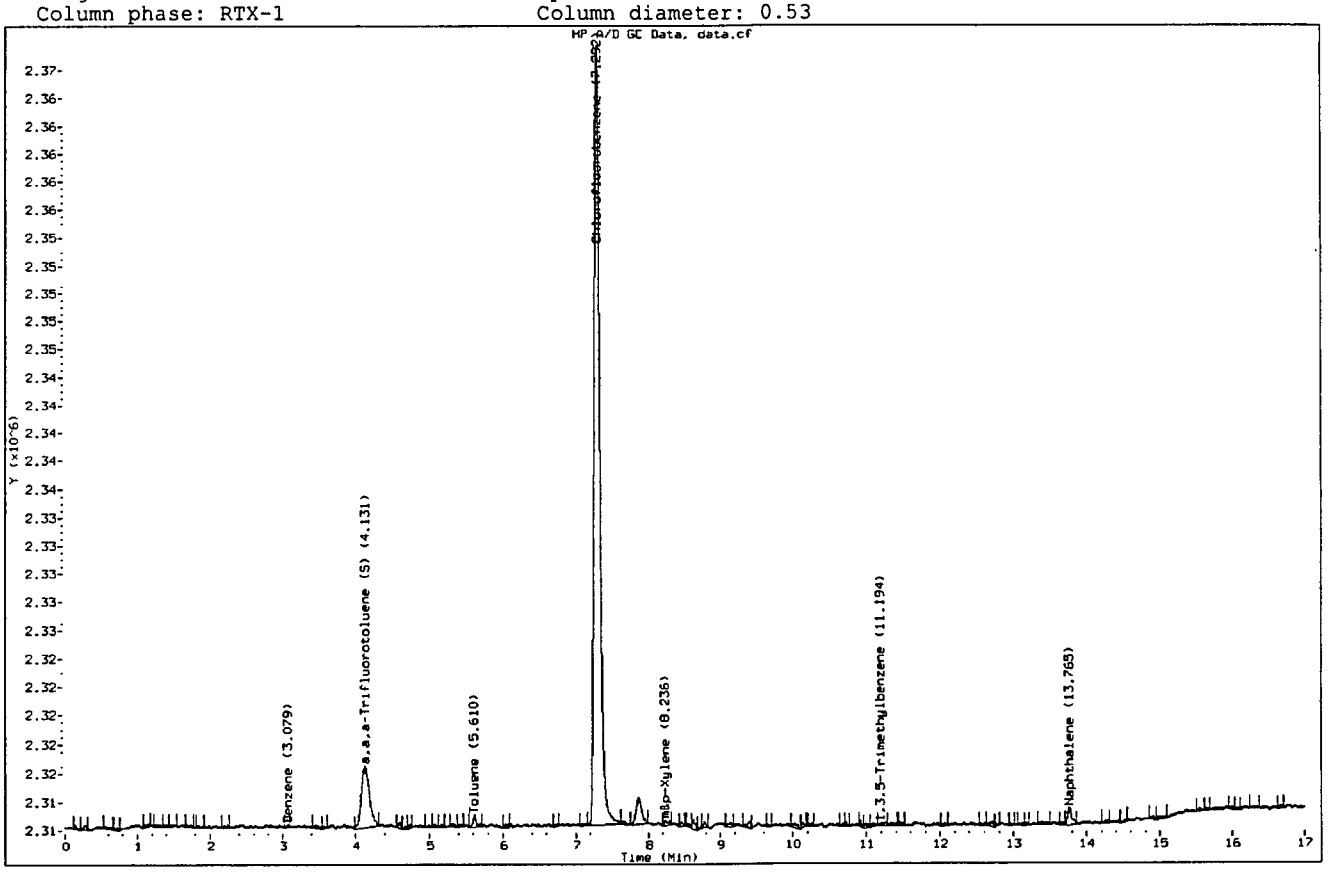
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	3.079	3.135	(0.422)	462	0.09656	0.0966(a)
$	3 a,a,a-Trifluorotoluene (S)	4.130	4.126	(0.567)	33159	20.5035	20.5
	4 Toluene	5.610	5.615	(0.769)	2537	0.52459	0.524(a)
*	5 Chlorofluorobenzene	7.291	7.290	(1.000)	296177	100.000	
	6 Ethylbenzene	Compound Not Detected.					
	7 m&p-Xylene	8.235	8.250	(1.129)	1305	0.25220	0.252(a)
	8 o-Xylene	Compound Not Detected.					
	10 1,3,5-Trimethylbenzene	11.194	11.210	(1.535)	1070	0.15281	0.153(a)
	11 1,2,4-Trimethylbenzene	Compound Not Detected.					
	12 Naphthalene	13.765	13.751	(1.888)	4710	1.34213	1.34
M	9 Xylene (total)				1305	0.25220	0.252(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\082007b.b/p6-23233.d
Report Date: 08/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1057049006
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 21-Aug-2007 14:41

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Data file : \\192.168.10.12\chem\10gcv3.i\082007b.b\f6-23233.d

Lab Smp Id: 1057049006

Inj Date : 21-AUG-2007 01:15

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1057049006

Misc Info : 4345

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\082007b.b\Gro215.m

Meth Date : 21-Aug-2007 13:32 dtocko Quant Type: ESTD

Cal Date : 03-AUG-2007 15:19 Cal File: f6-21510.d

Als bottle: 33

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

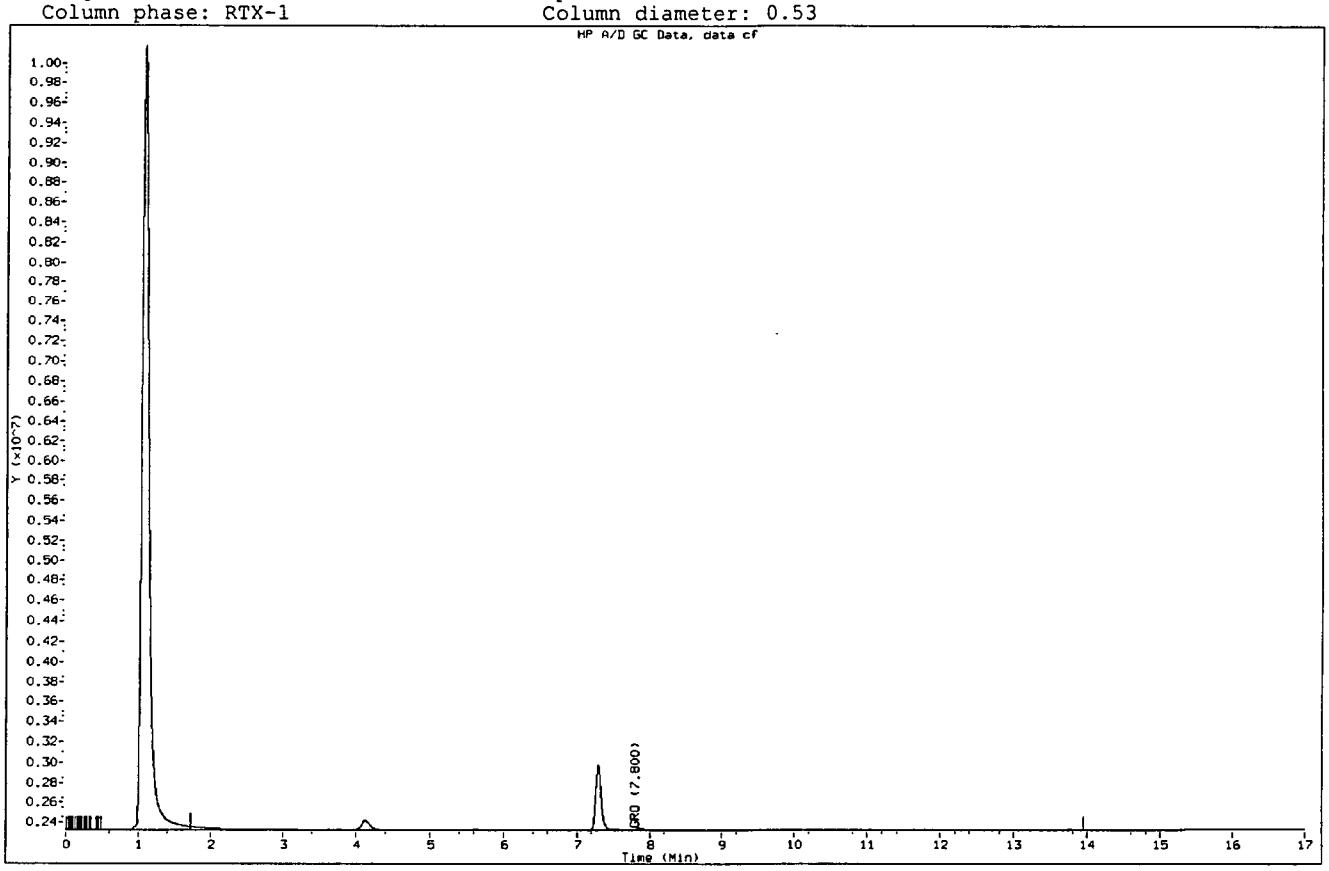
Processing Host: 10DTOCKO

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	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\082007b.b/f6-23233.d
Report Date: 08/21/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1057049006
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



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November 15, 2007

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

RE: Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1063104

Dear Scott Hunke:
Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 2007. The results relate only to the samples included in this report. 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

Florida (Nelap) Certification #: E87605
Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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SAMPLE SUMMARY

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1063104

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1063104001	**MW-06**	Water	11/01/07 11:17	11/13/07 11:15
1063104002	**MW-04**	Water	11/01/07 12:05	11/13/07 11:15
1063104003	**MW-03**	Water	11/01/07 13:00	11/13/07 11:15
1063104004	**MW-05**	Water	11/01/07 13:55	11/13/07 11:15
1063104005	**MW-07**	Water	11/01/07 14:10	11/13/07 11:15
1063104006	**TRIP BLANK**	Water		11/13/07 11:15

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SAMPLE ANALYTE COUNT

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1063104

Lab ID	Sample ID	Method	Analytes Reported
1063104001	MW-06	TPH WI GRO/PVOC 8021	6
1063104002	MW-04	TPH WI GRO/PVOC 8021	6
1063104003	MW-03	TPH WI GRO/PVOC 8021	6
1063104004	MW-05	TPH WI GRO/PVOC 8021	6
1063104005	MW-07	TPH WI GRO/PVOC 8021	6
1063104006	TRIP BLANK	TPH WI GRO/PVOC 8021	6

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ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1063104

Sample: MW-06 **Lab ID: 1063104001** Collected: 11/01/07 11:17 Received: 11/13/07 11:15 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		11/14/07 13:13	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		11/14/07 13:13	100-41-4	
Gasoline Range Organics	ND	ppb	100	1		11/14/07 13:13		
Toluene	ND	ppb	1.0	1		11/14/07 13:13	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		11/14/07 13:13	1330-20-7	
a,a,a-Trifluorotoluene (S)	99	%	80-141	1		11/14/07 13:13	98-08-8	

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ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1063104

Sample: MW-04 **Lab ID: 1063104002** Collected: 11/01/07 12:05 Received: 11/13/07 11:15 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		11/14/07 13:38	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		11/14/07 13:38	100-41-4	
Gasoline Range Organics	ND	ppb	100	1		11/14/07 13:38		
Toluene	**1.7**	ppb	1.0	1		11/14/07 13:38	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		11/14/07 13:38	1330-20-7	
a,a,a-Trifluorotoluene (S)	104	%	80-141	1		11/14/07 13:38	98-08-8	

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ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1063104

Sample: MW-03 **Lab ID: 1063104003** Collected: 11/01/07 13:00 Received: 11/13/07 11:15 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		11/14/07 14:03	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		11/14/07 14:03	100-41-4	
Gasoline Range Organics	ND	ppb	100	1		11/14/07 14:03		
Toluene	ND	ppb	1.0	1		11/14/07 14:03	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		11/14/07 14:03	1330-20-7	
a,a,a-Trifluorotoluene (S)	100	%	80-141	1		11/14/07 14:03	98-08-8	

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ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1063104

Sample: MW-05 **Lab ID: 1063104004** Collected: 11/01/07 13:55 Received: 11/13/07 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: TPH WI GRO/PVOC 8021							
Benzene	**760**	ppb	50.0	50		11/14/07 20.24	71-43-2	
Ethylbenzene	**1370**	ppb	50.0	50		11/14/07 20:24	100-41-4	
Gasoline Range Organics	**28500**	ppb	5000	50		11/14/07 20:24		
Toluene	**10200**	ppb	50.0	50		11/14/07 20:24	108-88-3	
Xylene (Total)	**6010**	ppb	150	50		11/14/07 20.24	1330-20-7	
a,a,a-Trifluorotoluene (S)	101	%	80-141	50		11/14/07 20:24	98-08-8	

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1063104

Sample: MW-07 **Lab ID: 1063104005** Collected: 11/01/07 14:10 Received: 11/13/07 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: TPH WI GRO/PVOC 8021							
Benzene	**724**	ppb	20.0	20		11/14/07 19:59	71-43-2	
Ethylbenzene	**1270**	ppb	20.0	20		11/14/07 19:59	100-41-4	
Gasoline Range Organics	**26600**	ppb	2000	20		11/14/07 19:59		
Toluene	**9180**	ppb	20.0	20		11/14/07 19:59	108-88-3	
Xylene (Total)	**5660**	ppb	60.0	20		11/14/07 19:59	1330-20-7	
a,a,a-Trifluorotoluene (S)	96	%	80-141	20		11/14/07 19:59	98-08-8	

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ANALYTICAL RESULTS

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1063104

Sample: TRIP BLANK **Lab ID: 1063104006** Collected: Received. 11/13/07 11:15 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		11/14/07 12:47	71-43-2	
Ethylbenzene	ND	ppb	1.0	1		11/14/07 12:47	100-41-4	
Gasoline Range Organics	ND	ppb	100	1		11/14/07 12.47		
Toluene	ND	ppb	1.0	1		11/14/07 12:47	108-88-3	
Xylene (Total)	ND	ppb	3.0	1		11/14/07 12:47	1330-20-7	
a,a,a-Trifluorotoluene (S)	97	%	80-141	1		11/14/07 12:47	98-08-8	

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QUALITY CONTROL DATA

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1063104

QC Batch: GCV/4605 Analysis Method: TPH WI GRO/PVOC 8021
QC Batch Method: TPH WI GRO/PVOC 8021 Analysis Description: WIGRO GCV Water
Associated Lab Samples: 1063104001, 1063104002, 1063104003, 1063104004, 1063104005, 1063104006

METHOD BLANK: 414359
Associated Lab Samples: 1063104001, 1063104002, 1063104003, 1063104004, 1063104005, 1063104006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Benzene	ppb	ND	1.0	
Ethylbenzene	ppb	ND	1.0	
Gasoline Range Organics	ppb	ND	100	
Toluene	ppb	ND	1.0	
Xylene (Total)	ppb	ND	3.0	
a,a,a-Trifluorotoluene (S)	%	108	80-141	

LABORATORY CONTROL SAMPLE & LCSD: 414360 414361

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ppb	100	98.8	98.8	99	99	80-120	0	20	
Ethylbenzene	ppb	100	99.5	96.6	99	97	80-120	3	20	
Gasoline Range Organics	ppb	1000	1060	1050	106	105	80-120	4	20	
Toluene	ppb	100	96.6	93.8	97	94	80-120	3	20	
Xylene (Total)	ppb	300	304	295	101	98	80-120	3	20	
a,a,a-Trifluorotoluene (S)	%				99	96	80-141			

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QUALIFIERS

Project: KC KWIK STOP BROOTEN, MN
Pace Project No.: 1063104

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.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

BATCH QUALIFIERS

Batch: GCV/4605

[1] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

CHAIN-OF-CUSTODY / Analytical Request Document

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

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1063104

Page: of 1009071

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:	Section B Required Project Information:	Section C Invoice Information:
Company: COTEAN ENVIRONMENTAL	Report To: COTEAN	Attention: SCOTT
Address: 728 JAMES CIRCLE DR	Copy To: COTEAN	Company Name: COTEAN
ALEXANDRIA, MN 56308		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: 320-815-0474 Fax:	Project Name: KC KWIK STOP	Pace Project Manager:
Requested Due Date/TAT:	Project Number: BROOTEN, MN	Pace Profile #:

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: BTEX GRO	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW-06	WT	G	11/1/07	1117				3				✓						✓✓		001
2	MW-04				1205				3				✓						✓✓		002
3	MW-03				1300				3				✓						✓✓		003
4	MW-05				1355				3				✓						✓✓		004
5	MW-07		↓	↓	1410				3				✓						✓✓		005
6	TRIP BLANK								2										✓✓		006
7	TEMP BLANK	↓							1												
8																					
9																					
10																					
11																					
12																					

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	11/5/07	1700		11/13	1015
	11/13	1115		11/13	1115

SAMPLE CONDITION

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
	Y/N	Y/N	Y/N
1.6	(Y) N	N (Y)	(Y) N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: SCOTT HUNKE

SIGNATURE of SAMPLER: [redacted] Date Signed (MM/DD/YY): 11/5/07

SE[redacted]RSE S[redacted]R INST[redacted]NS [redacted] ORIGINAL

ALLQ020rev.3,31Mar05

KC Kwik Stop
Brooten, MN
Project # 1063104

Report Date: 15-Nov-2007 11:35

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MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\111407a.b\p6-31806.d

Lab Smp Id: 1063104001 Client Smp ID: 1063104001

Inj Date : 14-NOV-2007 13:13

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1063104001

Misc Info : 4605

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\111407a.b\P6-BTEX278.m

Meth Date : 15-Nov-2007 11:30 10gcv3.i Quant Type: ISTD

Cal Date : 05-OCT-2007 16:16 Cal File: p6-27810.d

Als bottle: 6

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable

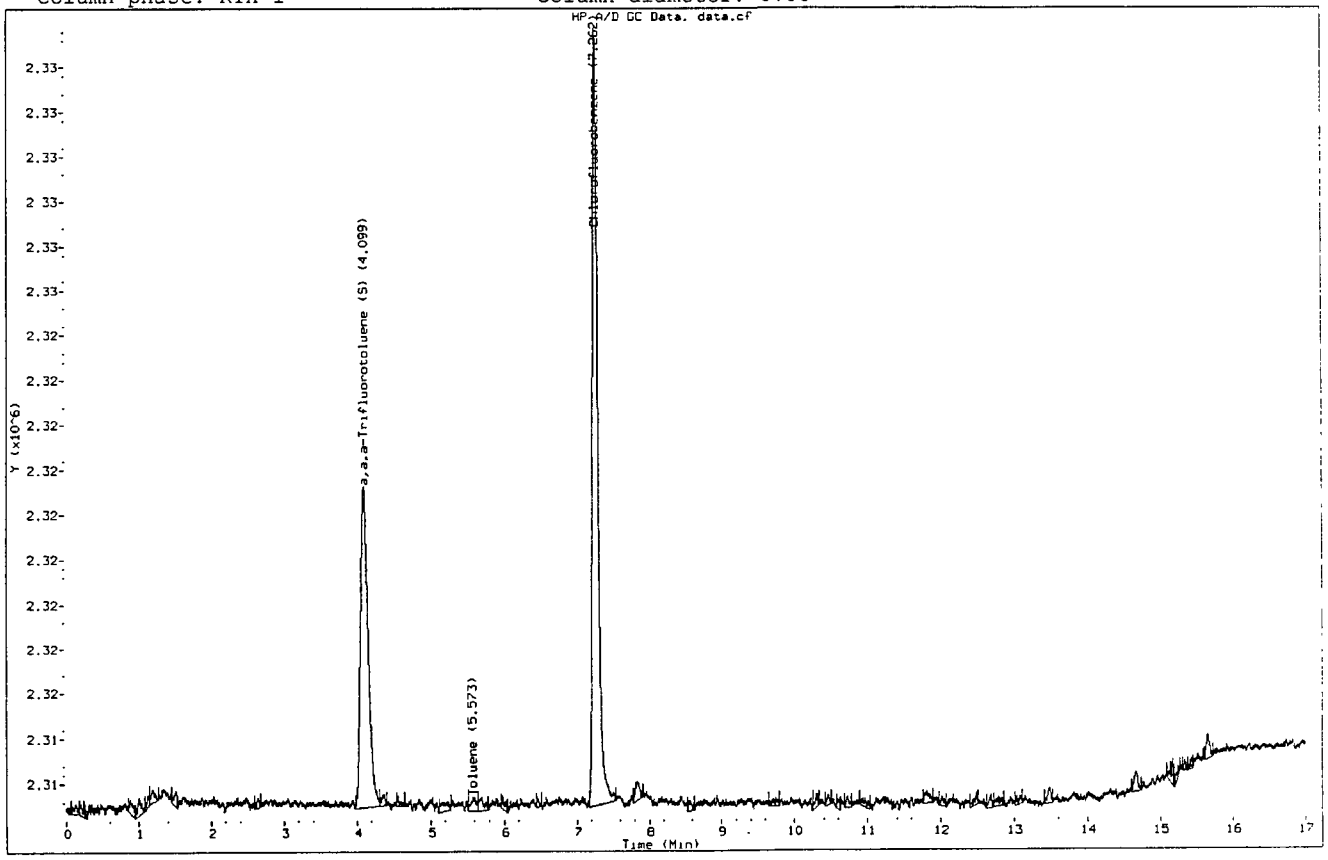
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	Compound Not Detected.					
$	3 a,a,a-Trifluorotoluene (S)	4.099	4.095	(0.564)	51117	19.8459	19.8
	4 Toluene	5.572	5.581	(0.767)	1455	0.20508	0.205(a)
*	5 Chlorofluorobenzene	7.261	7.258	(1.000)	88353	20.0000	
	6 Ethylbenzene	Compound Not Detected.					
	7 m&p-Xylene	Compound Not Detected.					
	8 o-Xylene	Compound Not Detected.					
	10 1,3,5-Trimethylbenzene	Compound Not Detected.					
	11 1,2,4-Trimethylbenzene	Compound Not Detected.					
	12 Naphthalene	Compound Not Detected					
M	9 Xylene (total)	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\111407a.b/p6-31806.d
Report Date: 11/15/2007
Client ID: 1063104001 Instrument: 10gcv3.1
Sample Information: 1063104001
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 15-Nov-2007 11:39

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\111407a.b\f6-31806.d

Lab Smp Id: 1063104001 Client Smp ID: 1063104001

Inj Date : 14-NOV-2007 13:13

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1063104001

Misc Info : 4605

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\111407a.b\F6-Gro278.m

Meth Date : 15-Nov-2007 10:31 dtocko Quant Type: ESTD

Cal Date : 05-OCT-2007 16:16 Cal File: f6-27810.d

Als bottle: 6

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

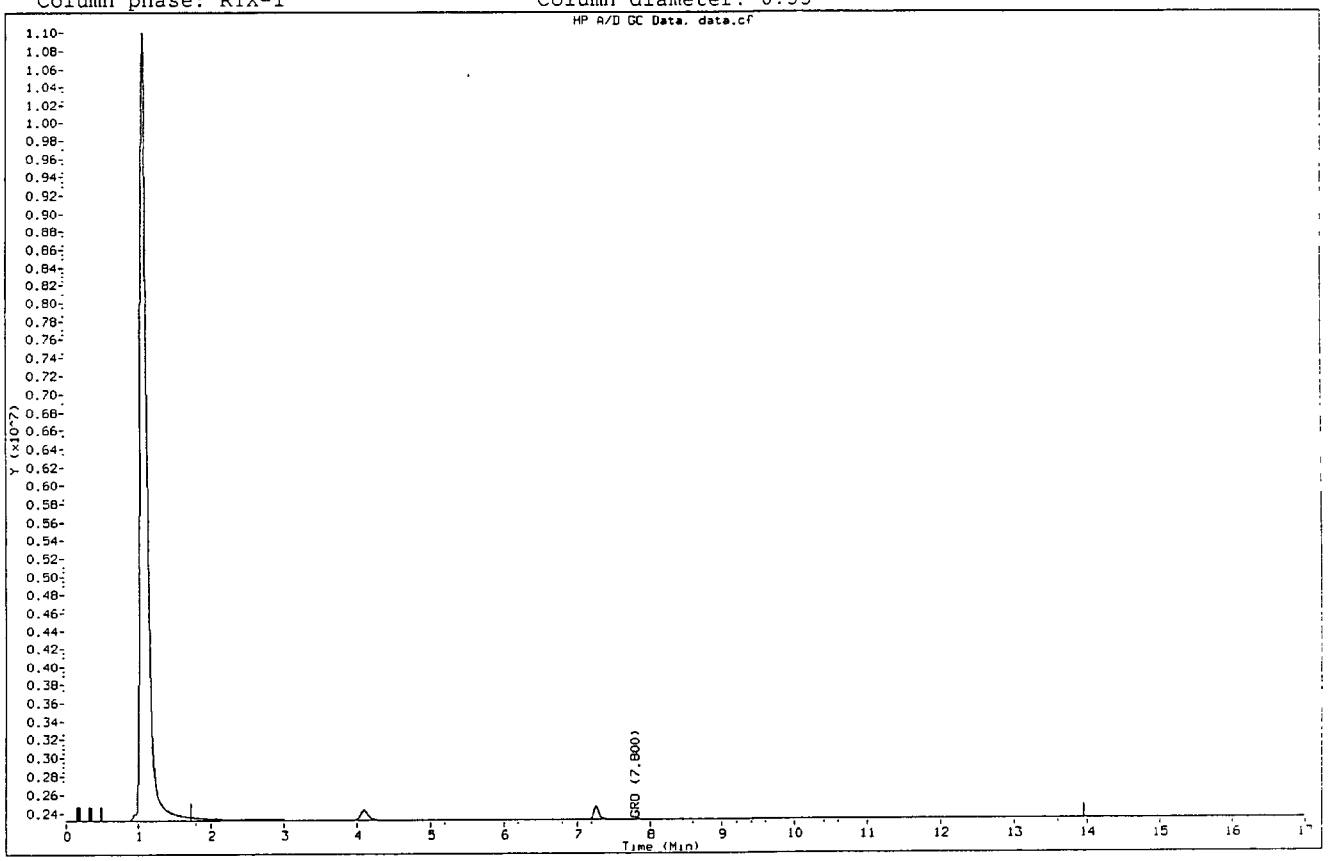
Processing Host: 10DTOCKO

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	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\111407a.b/f6-31806.d
Report Date: 11/15/2007
Client ID: 1063104001 Instrument: 10gcv3.i
Sample Information: 1063104001
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 15-Nov-2007 11:35

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MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\111407a.b\p6-31807.d

Lab Smp Id: 1063104002 Client Smp ID: 1063104002

Inj Date : 14-NOV-2007 13:38

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1063104002

Misc Info : 4605

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\111407a.b\P6-BTEX278.m

Meth Date : 15-Nov-2007 11:30 10gcv3.i Quant Type: ISTD

Cal Date : 05-OCT-2007 16:16 Cal File: p6-27810.d

Als bottle: 7

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable

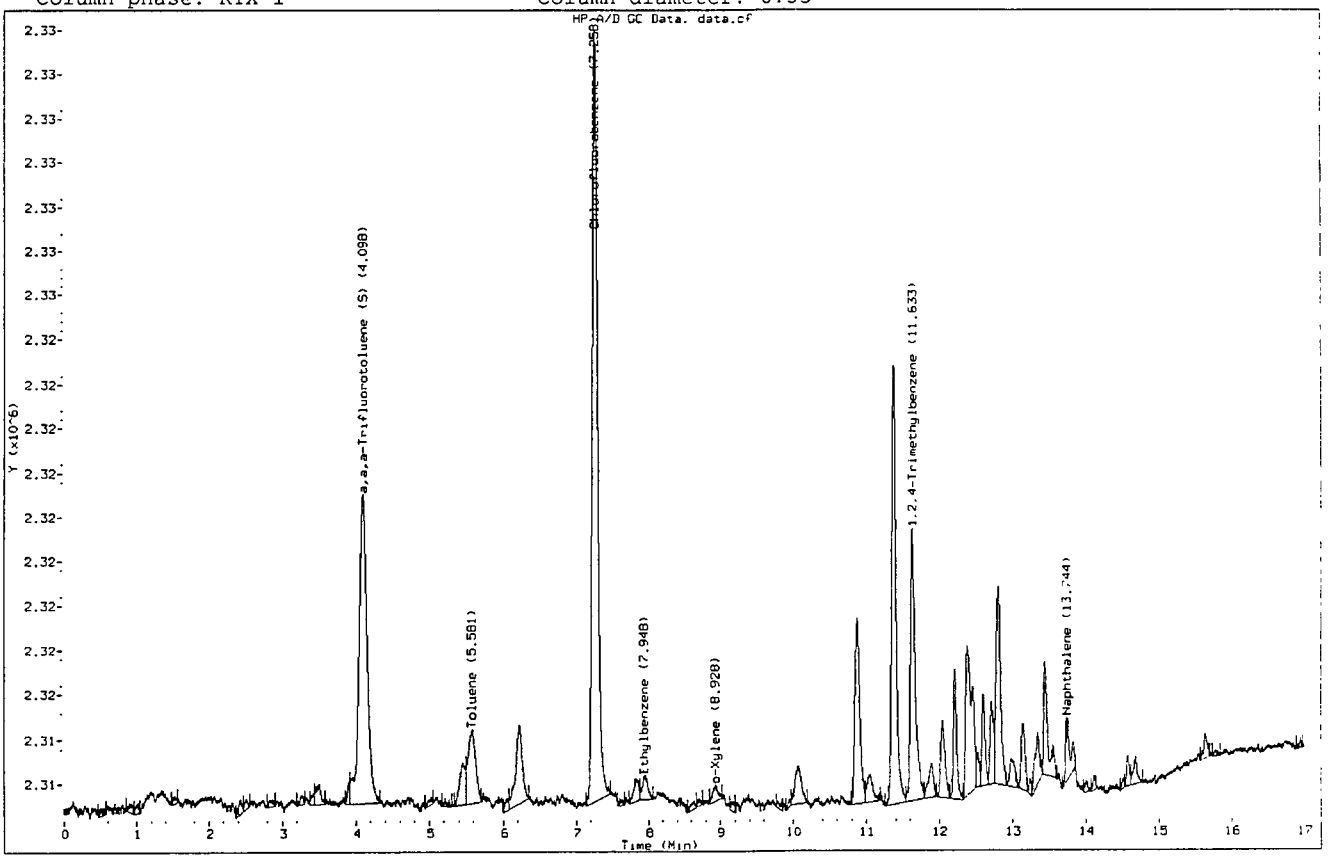
Cpnd Variable Local Compound Variable

						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.					
$	3 a,a,a-Trifluorotoluene (S)	4.098	4.095	(0.565)	52950	20.7970	20 8
	4 Toluene	5.580	5.581	(0.769)	11670	1.66402	1.66
*	5 Chlorofluorobenzene	7.258	7.258	(1.000)	87336	20.0000	
	6 Ethylbenzene	7.947	7.945	(1.095)	2990	0.48086	0 481(a)
	7 m&p-Xylene	Compound Not Detected.					
	8 o-Xylene	8.928	8.905	(1.230)	1766	0.28356	0.284(a)
	10 1,3,5-Trimethylbenzene	Compound Not Detected.					
	11 1,2,4-Trimethylbenzene	11.632	11.625	(1.603)	28012	4.11559	4.12
	12 Naphthalene	13.744	13.730	(1.894)	6054	1.13028	1.13
M	9 Xylene (total)				1766	0 28356	0.284(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\111407a.b/p6-31807.d
Report Date: 11/15/2007
Client ID: 1063104002 Instrument: 10gcv3.i
Sample Information: 1063104002
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 15-Nov-2007 11:39

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Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\111407a.b\f6-31807.d

Lab Smp Id: 1063104002 Client Smp ID: 1063104002

Inj Date : 14-NOV-2007 13:38

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1063104002

Misc Info : 4605

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\111407a.b\F6-Gro278.m

Meth Date : 15-Nov-2007 10:31 dtocko Quant Type: ESTD

Cal Date : 05-OCT-2007 16:16 Cal File: f6-27810.d

Als bottle: 7

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

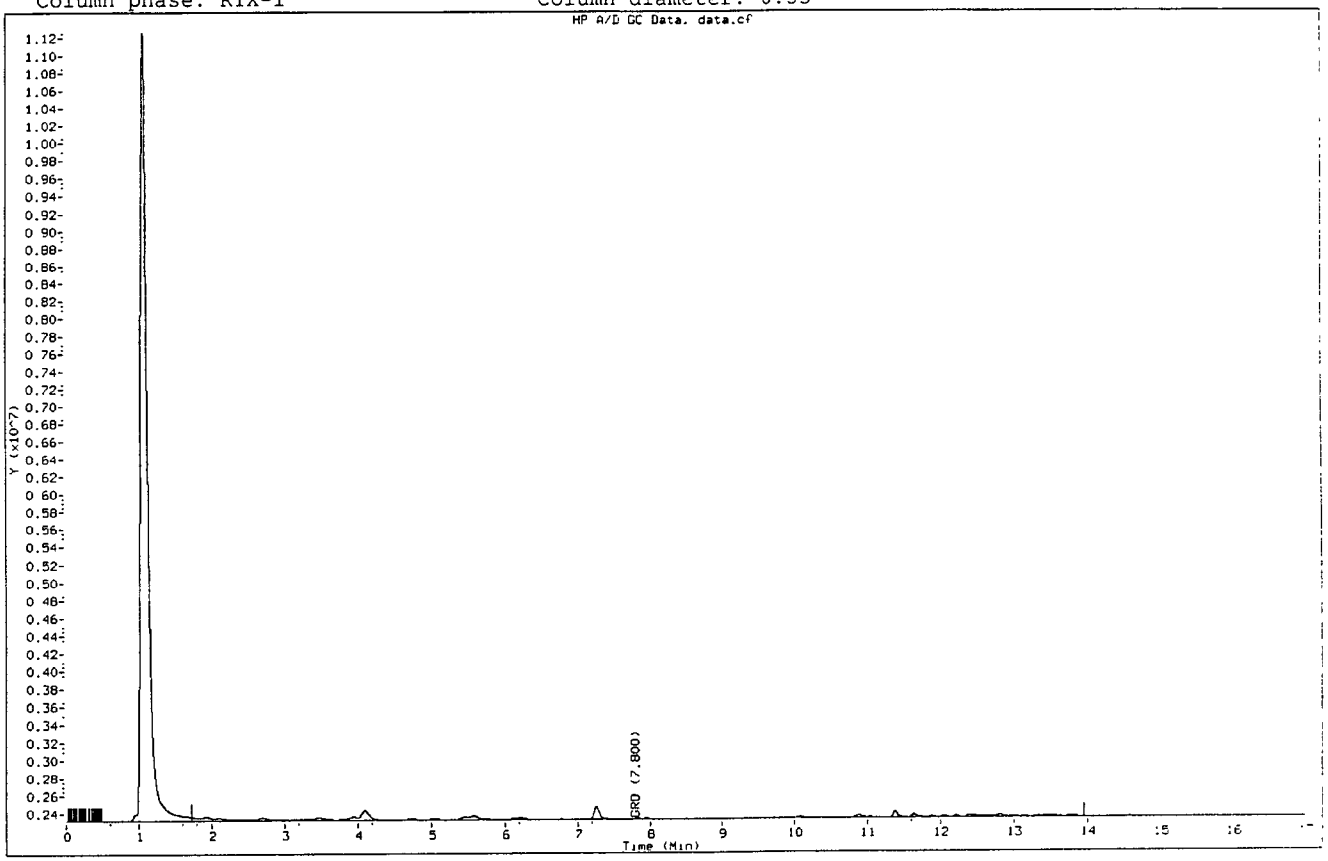
Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
S 5 GRO	1.700-13.900			139791532	70.7727	70.77

Data File: \\192.168.10.12\chem\10gcv3.i\111407a.b/f6-31807.d
Report Date: 11/15/2007
Client ID: 1063104002 Instrument: 10gcv3.i
Sample Information: 1063104002
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 15-Nov-2007 11:39

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\111407a.b\f6-31808.d

Lab Smp Id: 1063104003 Client Smp ID: 1063104003

Inj Date : 14-NOV-2007 14:03

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1063104003

Misc Info : 4605

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\111407a.b\F6-Gro278.m

Meth Date : 15-Nov-2007 10:31 dtocko Quant Type: ESTD

Cal Date : 05-OCT-2007 16:16 Cal File: f6-27810.d

Als bottle: 8

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable

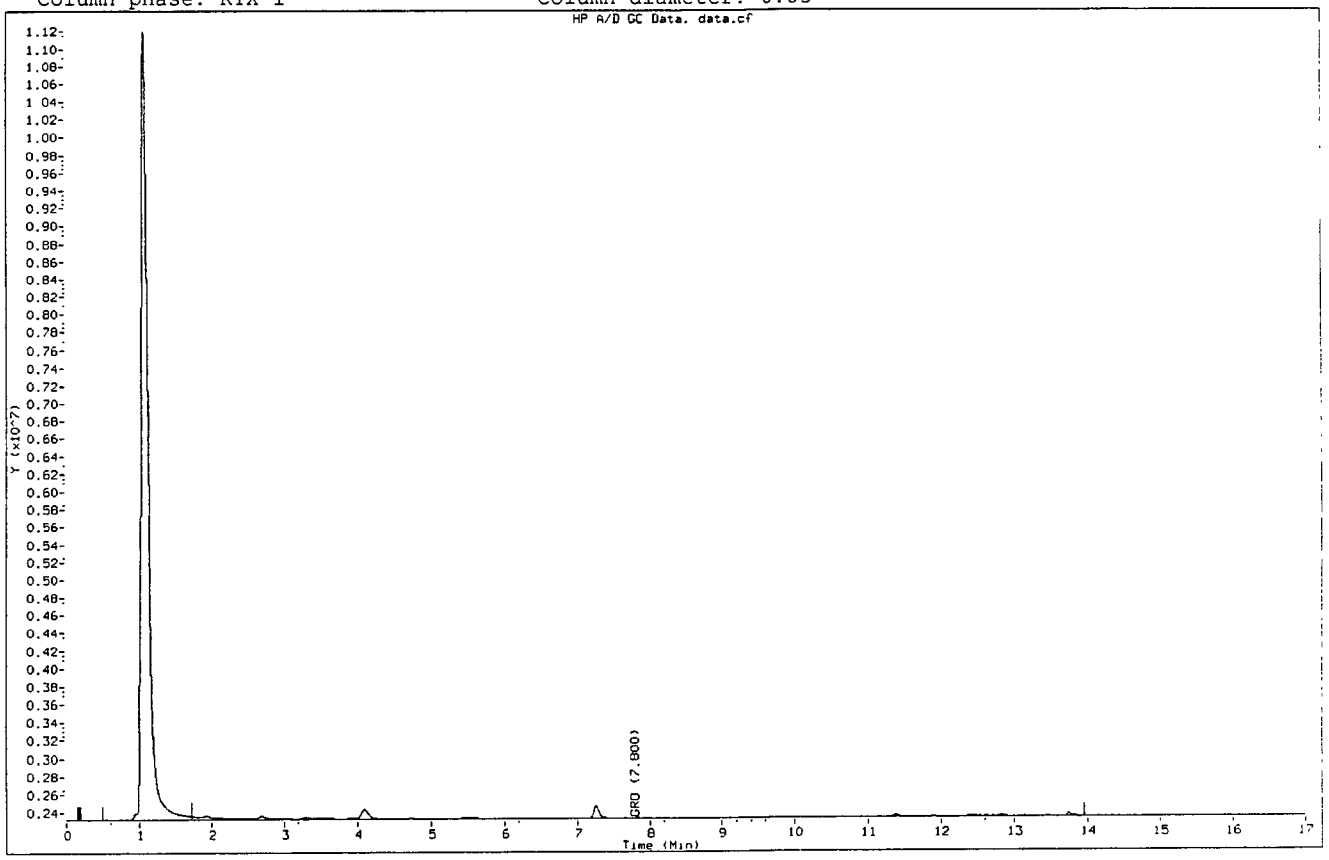
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
S 5 GRO	1.700-13.900			92736822	10.4699	10.47(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\111407a.b/f6-31808.d
Report Date: 11/15/2007
Client ID: 1063104003 Instrument: 10gcv3.i
Sample Information: 1063104003
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 15-Nov-2007 11:35

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MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\111407a.b\p6-31808.d

Lab Smp Id: 1063104003 Client Smp ID: 1063104003

Inj Date : 14-NOV-2007 14:03

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1063104003

Misc Info : 4605

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\111407a.b\P6-BTEX278.m

Meth Date : 15-Nov-2007 11:30 10gcv3.i Quant Type: ISTD

Cal Date : 05-OCT-2007 16:16 Cal File: p6-27810.d

Als bottle: 8

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable

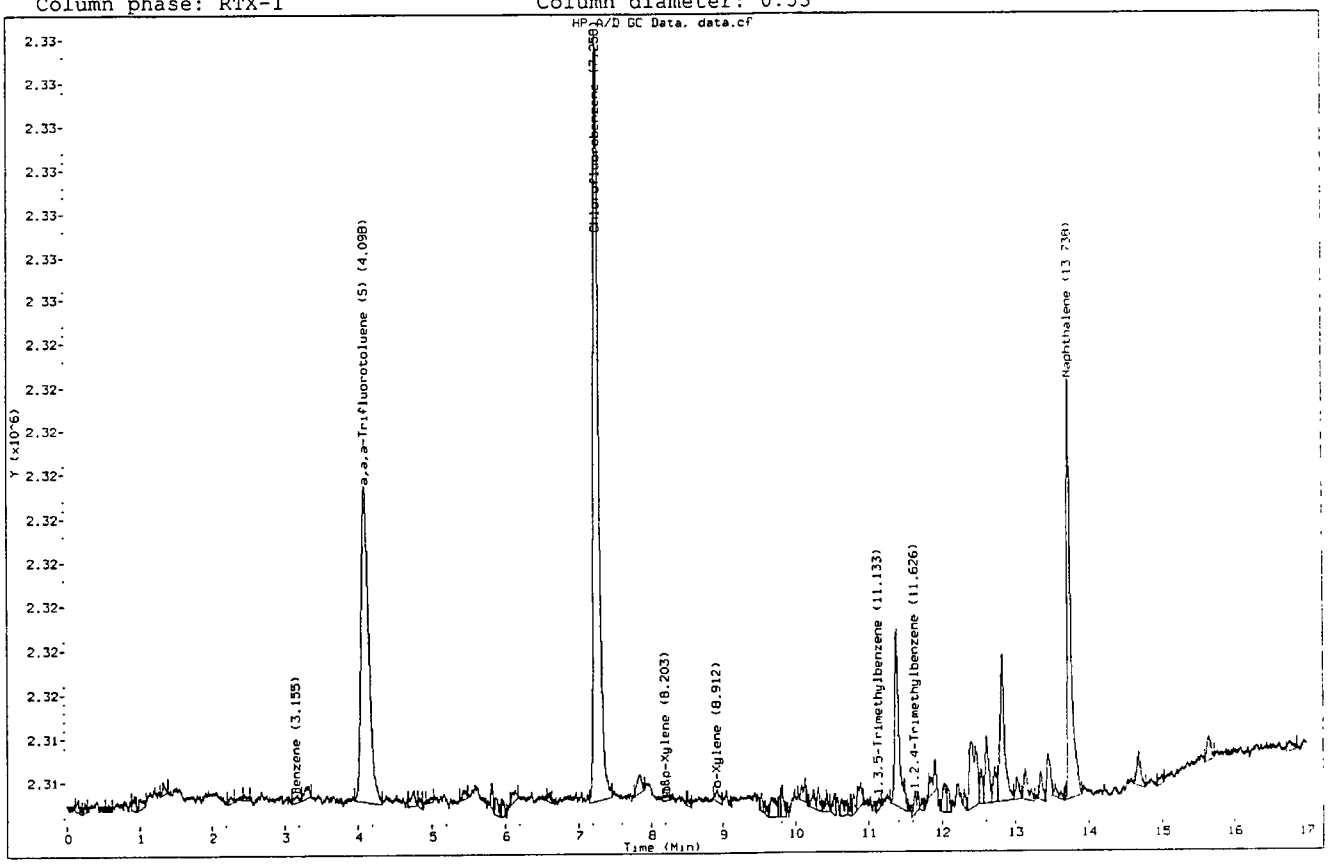
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	3.155	3.110	(0.435)	738	0.10505	0.105(a)
$	3 a,a,a-Trifluorotoluene (S)	4.098	4.095	(0.565)	51003	19.9341	19.9
	4 Toluene	Compound Not Detected.					
*	5 Chlorofluorobenzene	7.258	7.258	(1.000)	87766	20.0000	
	6 Ethylbenzene	Compound Not Detected.					
	7 m&p-Xylene	8.203	8.206	(1.130)	627	0 08624	0.0862(a)
	8 o-Xylene	8.912	8.905	(1.228)	1151	0.18391	0.184(a)
	10 1,3,5-Trimethylbenzene	11.132	11.179	(1.534)	644	0.07707	0 0771(a)
	11 1,2,4-Trimethylbenzene	11.625	11.625	(1.602)	1861	0.27208	0.272(a)
	12 Naphthalene	13.738	13.730	(1.893)	31720	5.89310	5.89
M	9 Xylene (total)				1778	0.27015	0.270(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\111407a.b/p6-31808.d
Report Date: 11/15/2007
Client ID: 1063104003 Instrument: 10gcv3.i
Sample Information: 1063104003
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 15-Nov-2007 11:39

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Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\111407a.b\f6-31823.d

Lab Smp Id: 1063104004

Inj Date : 14-NOV-2007 20:24

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1063104004 50x

Misc Info : 4605

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\111407a.b\F6-Gro278.m

Meth Date : 15-Nov-2007 11:39 10gcv3.i Quant Type: ESTD

Cal Date : 05-OCT-2007 16:16 Cal File: f6-27810.d

Als bottle: 23

Dil Factor: 50.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

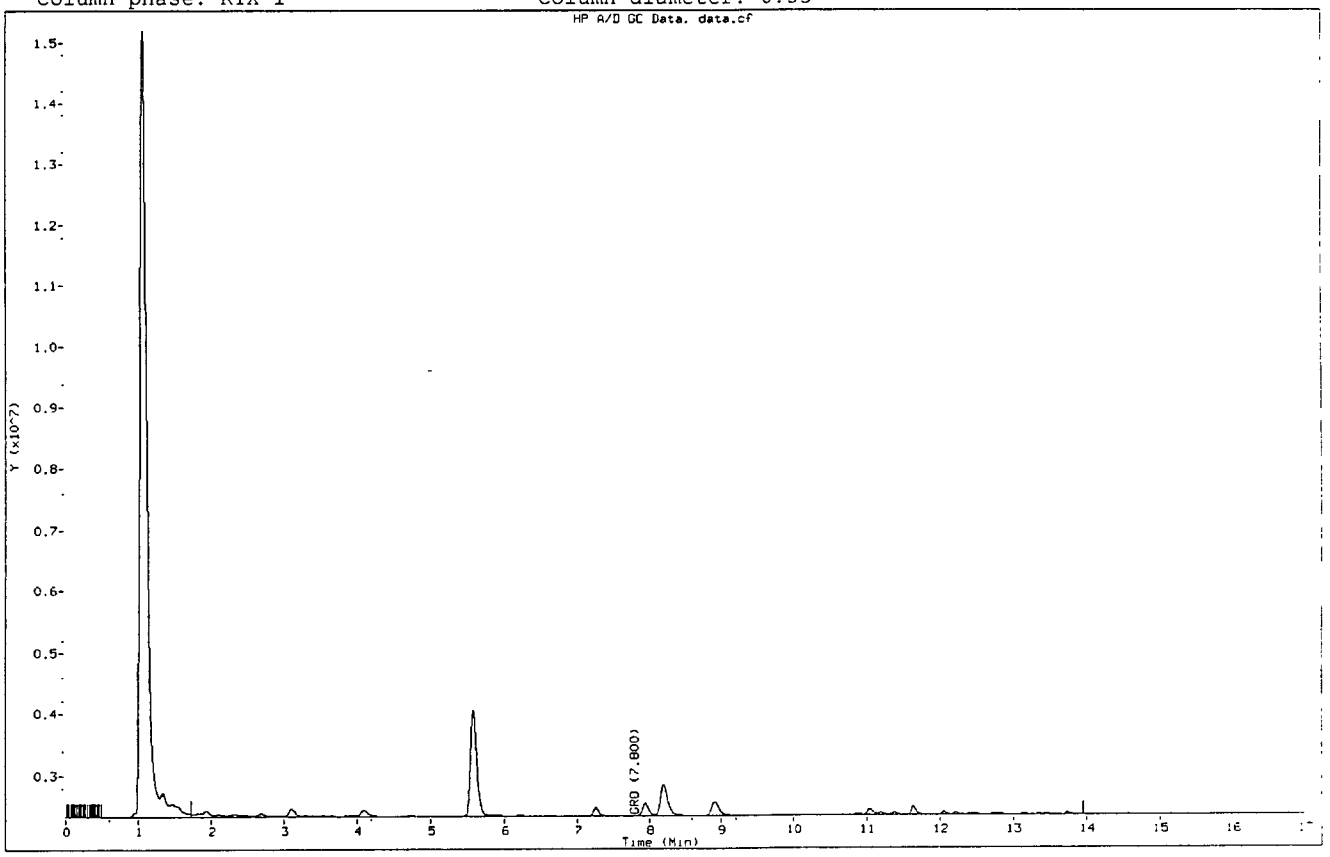
Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
S 5 GRO	1.700-13.900			529677763	570 431	28520

Data File: \\192.168.10.12\chem\10gcv3.i\111407a.b/f6-31823.d
Report Date: 11/15/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1063104004 50x
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 15-Nov-2007 11:36

Pace Analytical Services

MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\111407a.b\p6-31823.d

Lab Smp Id: 1063104004

Inj Date : 14-NOV-2007 20:24

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1063104004 50x

Misc Info : 4605

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\111407a.b\P6-BTEX278.m

Meth Date : 15-Nov-2007 11:35 10gcv3.i Quant Type: ISTD

Cal Date : 05-OCT-2007 16:16 Cal File: p6-27810.d

Als bottle: 23

Dil Factor: 50.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

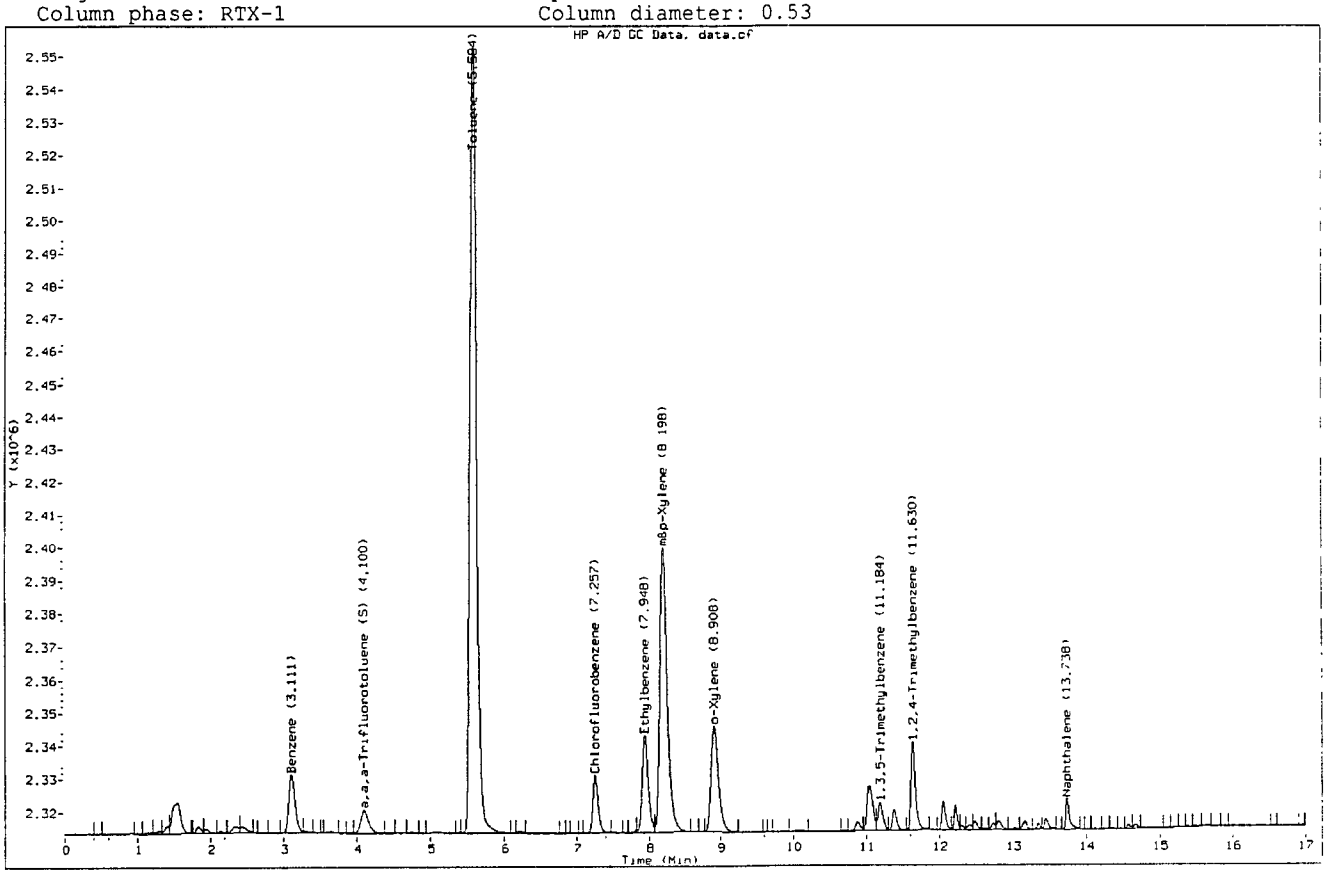
Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	1 Methyl-t-butyl ether	Compound Not Detected.					
	2 Benzene	3.110	3.110	(0.429)	108892	15.1907	760
$	3 a,a,a-Trifluorotoluene (S)	4.100	4.095	(0.565)	52958	20.2841	20.3
	4 Toluene	5.584	5.581	(0.770)	1461419	203 213	10200
*	5 Chlorofluorobenzene	7.256	7.258	(1 000)	89558	20.0000	
	6 Ethylbenzene	7.948	7.945	(1.095)	174295	27 3352	1370
	7 m&p-Xylene	8.198	8.206	(1 130)	623579	84.0539	4200
	8 o-Xylene	8.908	8.905	(1.228)	230432	36.0814	1800
	10 1,3,5-Trimethylbenzene	11.184	11.179	(1.541)	40716	4.77510	239
	11 1,2,4-Trimethylbenzene	11.630	11.625	(1.603)	112007	16.0480	802
	12 Naphthalene	13.737	13.730	(1.893)	31235	5 68688	284
M	9 Xylene (total)				854011	120.135	6010

Data File: \\192.168.10.12\chem\10gcv3.i\111407a.b/p6-31823.d
Report Date: 11/15/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1063104004 50x
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 15-Nov-2007 11:39

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\111407a.b\f6-31822.d

Lab Smp Id: 1063104005

Inj Date : 14-NOV-2007 19:59

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1063104005 20x

Misc Info : 4605

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\111407a.b\F6-Gro278.m

Meth Date : 15-Nov-2007 11:39 10gcv3.i Quant Type: ESTD

Cal Date : 05-OCT-2007 16:16 Cal File: f6-27810.d

Als bottle: 22

Dil Factor: 20.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

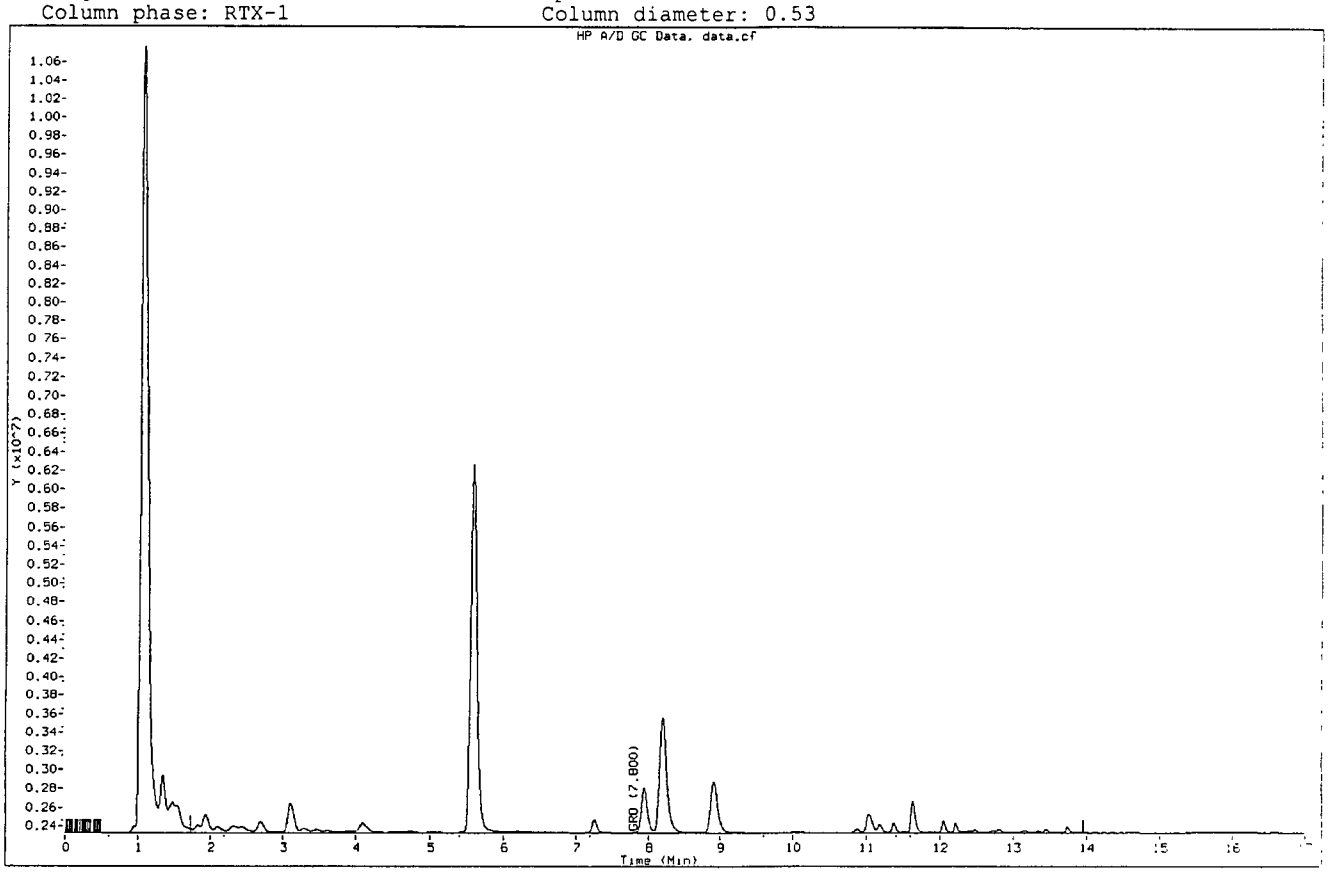
Processing Host: 10DTOCKO

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	1.700	-13.900	1123143302	1330.99	26620

Data File: \\192.168.10.12\chem\10gcv3.i\111407a.b/f6-31822.d
Report Date: 11/15/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1063104005 20x
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 15-Nov-2007 11:36

Pace Analytical Services

MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\111407a.b\p6-31822.d

Lab Smp Id: 1063104005

Inj Date : 14-NOV-2007 19:59

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1063104005 20x

Misc Info : 4605

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\111407a.b\P6-BTEX278.m

Meth Date : 15-Nov-2007 11:35 10gcv3.i Quant Type: ISTD

Cal Date : 05-OCT-2007 16:16 Cal File: p6-27810.d

Als bottle: 22

Dil Factor: 20.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

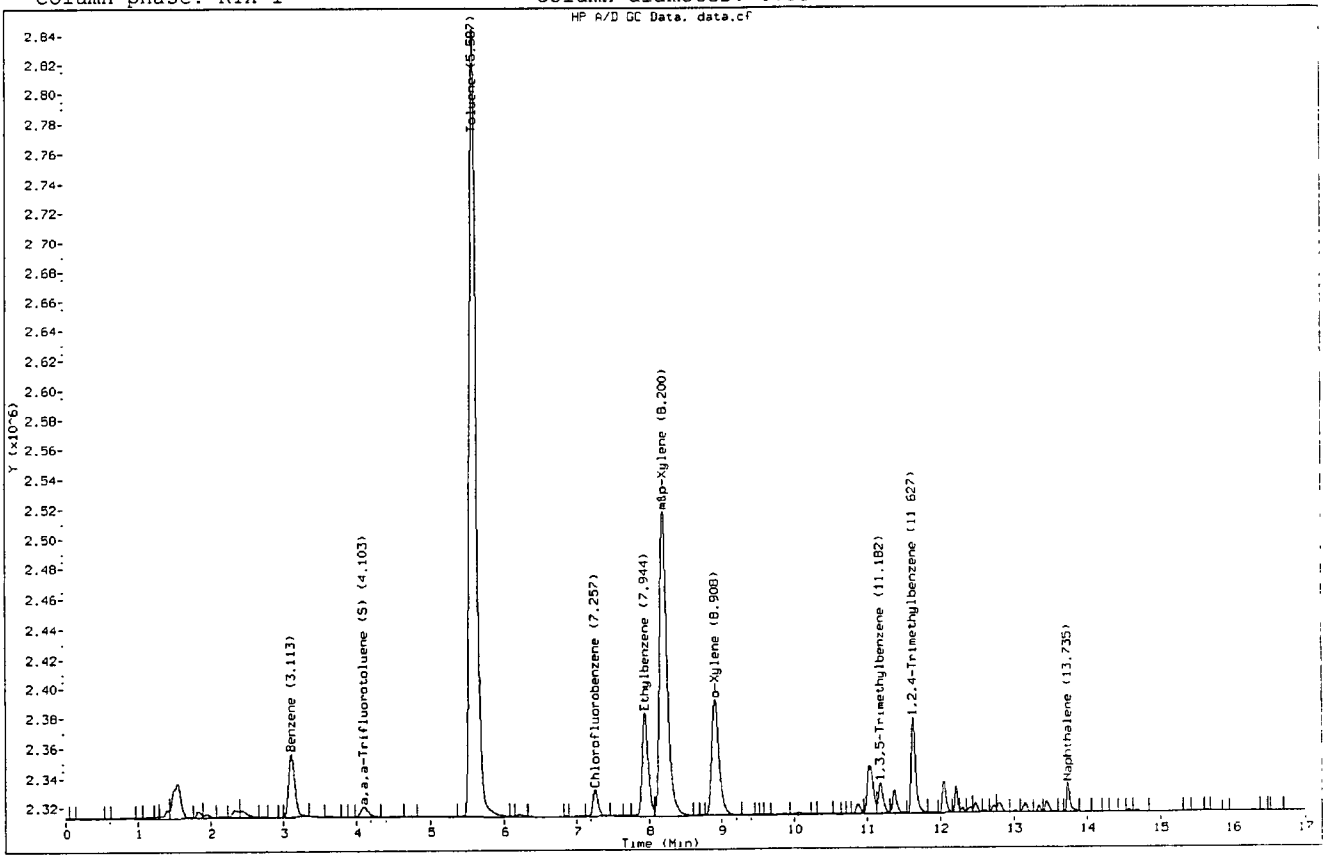
Processing Host: 10DTOCKO

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	3.112	3.110	(0 429)	259525	36.2056	724
$	3 a,a,a-Trifluorotoluene (S)	4.102	4.095	(0.565)	49995	19 1498	19.1
	4 Toluene	5.586	5.581	(0 770)	3302388	459.219	9180
*	5 Chlorofluorobenzene	7.256	7.258	(1.000)	89555	20.0000	
	6 Ethylbenzene	7.944	7.945	(1.095)	403478	63.2807	1260
	7 m&p-Xylene	8.200	8.206	(1.130)	1460253	196 838	3940
	8 o-Xylene	8.907	8.905	(1.227)	550544	86.2080	1720
	10 1,3,5-Trimethylbenzene	11.181	11.179	(1.541)	96639	11.3340	227
	11 1,2,4-Trimethylbenzene	11.626	11.625	(1.602)	266017	38.1154	762
	12 Naphthalene	13.735	13.730	(1.893)	59650	10.8607	217
M	9 Xylene (total)				2010797	283.046	5660

Data File: \\192.168.10.12\chem\10gcv3.i\111407a.b/p6-31822.d
Report Date: 11/15/2007
Client ID: Instrument: 10gcv3.i
Sample Information: 1063104005 20x
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 15-Nov-2007 11:35

Pace Analytical Services

MBTEX - MODIFIED 8021

Data file : \\192.168.10.12\chem\10gcv3.i\111407a.b\p6-31805.d

Lab Smp Id: 1063104006 Client Smp ID: 1063104006

Inj Date : 14-NOV-2007 12:47

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1063104006, tb

Misc Info : 4605

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\111407a.b\P6-BTEX278.m

Meth Date : 15-Nov-2007 11:30 10gcv3.i Quant Type: ISTD

Cal Date : 05-OCT-2007 16:16 Cal File: p6-27810.d

Als bottle: 5

Dil Factor: 1.00000

Integrator: Falcon Compound Sublist: all.sub

Target Version: 4.14

Processing Host: 10DTOCKO

Concentration Formula: Amt * DF * CpndVariable

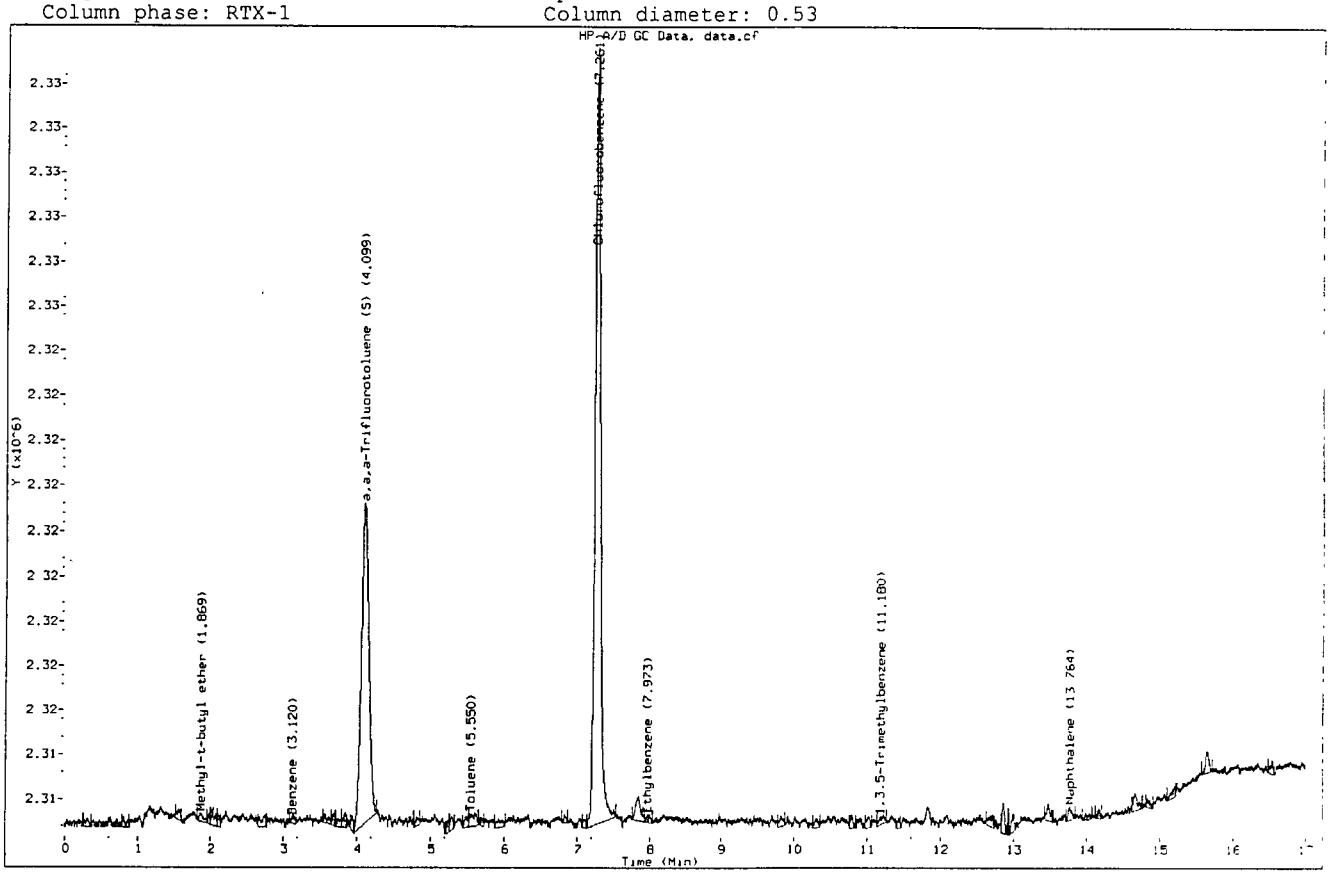
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	1 Methyl-t-butyl ether	1.869	1.891	(0.257)	818	0.32881	0.329(a)
	2 Benzene	3.120	3.110	(0.430)	602	0 08423	0 0842(a)
$	3 a,a,a-Trifluorotoluene (S)	4.099	4.095	(0.565)	50354	19.3448	19.3
	4 Toluene	5.550	5.581	(0.764)	1535	0.21409	0.214(a)
*	5 Chlorofluorobenzene	7.260	7.258	(1.000)	89289	20.0000	
	6 Ethylbenzene	7.973	7.945	(1.098)	595	0.09360	0.0936(a)
	7 m&p-Xylene	Compound Not Detected.					
	8 o-Xylene	Compound Not Detected.					
	10 1,3,5-Trimethylbenzene	11.180	11.179	(1.540)	903	0.10622	0.106(a)
	11 1,2,4-Trimethylbenzene	Compound Not Detected.					
	12 Naphthalene	13.764	13.730	(1.896)	1075	0.19631	0.196(a)
M	9 Xylene (total)	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\192.168.10.12\chem\10gcv3.i\111407a.b/p6-31805.d
Report Date: 11/15/2007
Client ID: 1063104006 Instrument: 10gcv3.i
Sample Information: 1063104006, tb
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Report Date: 15-Nov-2007 11:39

Pace Analytical Services

Wisconsin GAS RANGE ORGANICS

Data file : \\192.168.10.12\chem\10gcv3.i\111407a.b\f6-31805.d

Lab Smp Id: 1063104006 Client Smp ID: 1063104006

Inj Date : 14-NOV-2007 12:47

Operator : DJT Inst ID: 10gcv3.i

Smp Info : 1063104006, tb

Misc Info : 4605

Comment :

Method : \\192.168.10.12\chem\10gcv3.i\111407a.b\F6-Gro278.m

Meth Date : 15-Nov-2007 10:31 dtocko Quant Type: ESTD

Cal Date : 05-OCT-2007 16:16 Cal File: f6-27810.d

Als bottle: 5

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 4.14

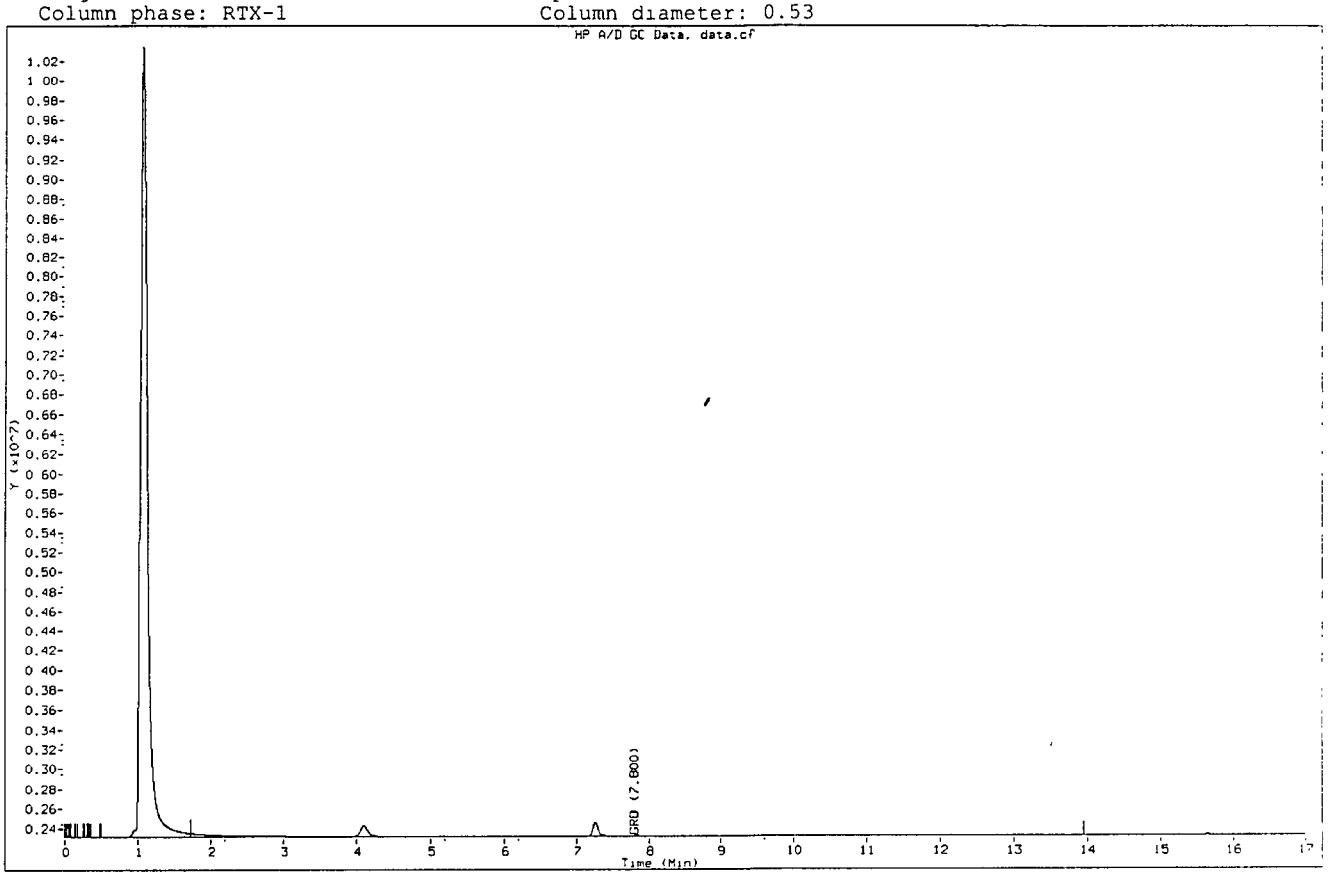
Processing Host: 10DTOCKO

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	Compound Not Detected.					

Data File: \\192.168.10.12\chem\10gcv3.i\111407a.b/f6-31805.d
Report Date: 11/15/2007
Client ID: 1063104006 Instrument: 10gcv3.i
Sample Information: 1063104006, tb
Purge Volume: Operator: DJT
Column phase: RTX-1 Column diameter: 0.53



Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

December 12, 2007

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

RE: Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

Dear Scott Hunke:
Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 2007. The results relate only to the samples included in this report. 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

Florida (Nelap) Certification #: E87605
Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1063131001	**110 S. WESTERN AVE BASEMENT**	Air	11/02/07 10:00	11/13/07 11:15
1063131002	**111 S. WESTERN AVE BASEMENT**	Air	11/02/07 10:30	11/13/07 11:15

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SAMPLE ANALYTE COUNT

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

Lab ID	Sample ID	Method	Analytes Reported
1063131001	**110 S. WESTERN AVE BASEMENT**	TO-15	60
1063131002	**111 S. WESTERN AVE BASEMENT**	TO-15	60

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PROJECT NARRATIVE

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

Method: **TO-15**
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: December 12, 2007

General Information:
2 samples were 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.

QC Batch: AIR/6258

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- 110 S. WESTERN AVE BASEMENT (Lab ID: 1063131001)
  - Tetrahydrofuran
- BLANK (Lab ID: 414335)
  - Tetrahydrofuran
- LCS (Lab ID: 414336)
  - Tetrahydrofuran

QC Batch: AIR/6262

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- 111 S. WESTERN AVE BASEMENT (Lab ID: 1063131002)
  - Tetrahydrofuran
- BLANK (Lab ID: 414520)
  - Tetrahydrofuran
- DUP (Lab ID: 414838)
  - Tetrahydrofuran
- DUP (Lab ID: 414839)
  - Tetrahydrofuran

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.

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PROJECT NARRATIVE

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

Method: **TO-15**
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: December 12, 2007

QC Batch: AIR/6262

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 414521)
  - cis-1,3-Dichloropropene

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Sample Comments:

K3: The Total Hydrocarbon (THC) pattern is evenly distributed throughout the chromatogram (before and after toluene).

- 110 S. WESTERN AVE BASEMENT (Lab ID: 1063131001)
- 111 S. WESTERN AVE BASEMENT (Lab ID: 1063131002)

Analyte Comments:

QC Batch: AIR/6258

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- 110 S. WESTERN AVE BASEMENT (Lab ID: 1063131001)
  - 2-Propanol
  - Ethanol
  - Acetone
  - Propylene

This data package has been reviewed for quality and completeness and is approved for release.

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1700 Elm Street
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(612)607-1700

ANALYTICAL RESULTS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

Sample: 110 S. WESTERN AVE BASEMENT **Lab ID: 1063131001** Collected: 11/02/07 10:00 Received: 11/13/07 11:15 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**103**	ug/m3	0.64	1.34		11/14/07 09:23	67-64-1	E
Benzene	ND	ug/m3	0.87	1.34		11/14/07 09:23	71-43-2	
Bromodichloromethane	ND	ug/m3	1.9	1.34		11/14/07 09:23	75-27-4	
Bromoform	ND	ug/m3	2.8	1.34		11/14/07 09:23	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.34		11/14/07 09:23	74-83-9	
1,3-Butadiene	ND	ug/m3	0.60	1.34		11/14/07 09:23	106-99-0	
2-Butanone (MEK)	**3.1**	ug/m3	0.80	1.34		11/14/07 09:23	78-93-3	
Carbon disulfide	ND	ug/m3	0.84	1.34		11/14/07 09:23	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.7	1.34		11/14/07 09:23	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.34		11/14/07 09:23	108-90-7	
Chloroethane	ND	ug/m3	0.72	1.34		11/14/07 09:23	75-00-3	
Chloroform	ND	ug/m3	1.3	1.34		11/14/07 09:23	67-66-3	
Chloromethane	ND	ug/m3	0.56	1.34		11/14/07 09:23	74-87-3	
Cyclohexane	ND	ug/m3	0.91	1.34		11/14/07 09:23	110-82-7	
Dibromochloromethane	ND	ug/m3	2.3	1.34		11/14/07 09:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.1	1.34		11/14/07 09:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.6	1.34		11/14/07 09:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.6	1.34		11/14/07 09:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.6	1.34		11/14/07 09:23	106-46-7	
Dichlorodifluoromethane	**2.1**	ug/m3	1.3	1.34		11/14/07 09:23	75-71-8	
1,1-Dichloroethane	**1.1**	ug/m3	1.1	1.34		11/14/07 09:23	75-34-3	
1,2-Dichloroethane	**2.4**	ug/m3	1.1	1.34		11/14/07 09:23	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.1	1.34		11/14/07 09:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.1	1.34		11/14/07 09:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.1	1.34		11/14/07 09:23	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.34		11/14/07 09:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		11/14/07 09:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		11/14/07 09:23	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.9	1.34		11/14/07 09:23	76-14-2	
Ethanol	**366**	ug/m3	2.5	1.34		11/14/07 09:23	64-17-5	E
Ethyl acetate	**2.4**	ug/m3	0.98	1.34		11/14/07 09:23	141-78-6	
Ethylbenzene	**6.4**	ug/m3	1.2	1.34		11/14/07 09:23	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.4	1.34		11/14/07 09:23	622-96-8	
n-Heptane	ND	ug/m3	1.1	1.34		11/14/07 09:23	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	2.9	1.34		11/14/07 09:23	87-68-3	
n-Hexane	ND	ug/m3	0.96	1.34		11/14/07 09:23	110-54-3	
2-Hexanone	ND	ug/m3	1.1	1.34		11/14/07 09:23	591-78-6	
Methylene Chloride	**8.4**	ug/m3	0.95	1.34		11/14/07 09:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.1	1.34		11/14/07 09:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	0.98	1.34		11/14/07 09:23	1634-04-4	
Naphthalene	ND	ug/m3	3.6	1.34		11/14/07 09:23	91-20-3	
2-Propanol	**205**	ug/m3	3.4	1.34		11/14/07 09:23	67-63-0	E
Propylene	**222**	ug/m3	0.47	1.34		11/14/07 09:23	115-07-1	E
Styrene	**2.9**	ug/m3	1.2	1.34		11/14/07 09:23	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.9	1.34		11/14/07 09:23	79-34-5	
Tetrachloroethene	ND	ug/m3	1.9	1.34		11/14/07 09:23	127-18-4	

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ANALYTICAL RESULTS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

Sample: 110 S. WESTERN AVE BASEMENT **Lab ID: 1063131001** Collected: 11/02/07 10:00 Received: 11/13/07 11:15 Matrix. Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	0.80	1.34		11/14/07 09:23	109-99-9	SS
Toluene	**9.7**	ug/m3	1.0	1.34		11/14/07 09:23	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.3	1.34		11/14/07 09:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.34		11/14/07 09:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.5	1.34		11/14/07 09:23	79-00-5	
Trichloroethene	ND	ug/m3	1.5	1.34		11/14/07 09:23	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.5	1.34		11/14/07 09:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.1	1.34		11/14/07 09:23	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	3.4	1.34		11/14/07 09:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	3.4	1.34		11/14/07 09:23	108-67-8	
Vinyl acetate	**2.2**	ug/m3	0.95	1.34		11/14/07 09:23	108-05-4	
Vinyl chloride	ND	ug/m3	0.70	1.34		11/14/07 09:23	75-01-4	
m&p-Xylene	**18.1**	ug/m3	2.4	1.34		11/14/07 09:23	1330-20-7	
o-Xylene	**3.9**	ug/m3	1.2	1.34		11/14/07 09:23	95-47-6	

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ANALYTICAL RESULTS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

Sample: 111 S. WESTERN AVE BASEMENT **Lab ID: 1063131002** Collected: 11/02/07 10:30 Received: 11/13/07 11:15 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**15.0**	ug/m3	0.66	1.38		11/14/07 14:04	67-64-1	
Benzene	**0.95**	ug/m3	0 90	1.38		11/14/07 14:04	71-43-2	
Bromodichloromethane	ND	ug/m3	1.9	1.38		11/14/07 14:04	75-27-4	
Bromoform	ND	ug/m3	2.9	1.38		11/14/07 14:04	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.38		11/14/07 14:04	74-83-9	
1,3-Butadiene	ND	ug/m3	0.62	1.38		11/14/07 14:04	106-99-0	
2-Butanone (MEK)	**6.1**	ug/m3	0.83	1.38		11/14/07 14:04	78-93-3	
Carbon disulfide	ND	ug/m3	0.87	1.38		11/14/07 14:04	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.8	1.38		11/14/07 14:04	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.38		11/14/07 14:04	108-90-7	
Chloroethane	ND	ug/m3	0.75	1.38		11/14/07 14:04	75-00-3	
Chloroform	ND	ug/m3	1.4	1.38		11/14/07 14:04	67-66-3	
Chloromethane	ND	ug/m3	0.58	1.38		11/14/07 14:04	74-87-3	
Cyclohexane	ND	ug/m3	0.94	1.38		11/14/07 14:04	110-82-7	
Dibromochloromethane	ND	ug/m3	2.3	1.38		11/14/07 14:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.2	1.38		11/14/07 14:04	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	1.38		11/14/07 14:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	1.38		11/14/07 14:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.7	1.38		11/14/07 14:04	106-46-7	
Dichlorodifluoromethane	**2.2**	ug/m3	1.4	1.38		11/14/07 14:04	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.1	1.38		11/14/07 14:04	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.1	1.38		11/14/07 14:04	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.1	1.38		11/14/07 14:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.1	1.38		11/14/07 14:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.1	1.38		11/14/07 14:04	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.38		11/14/07 14:04	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	1.38		11/14/07 14:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.3	1.38		11/14/07 14:04	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.9	1.38		11/14/07 14:04	76-14-2	
Ethanol	**5.8**	ug/m3	2.6	1.38		11/14/07 14:04	64-17-5	
Ethyl acetate	ND	ug/m3	1.0	1.38		11/14/07 14:04	141-78-6	
Ethylbenzene	ND	ug/m3	1.2	1.38		11/14/07 14:04	100-41-4	
4-Ethyltoluene	ND	ug/m3	3.4	1.38		11/14/07 14:04	622-96-8	
n-Heptane	ND	ug/m3	1.1	1.38		11/14/07 14:04	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.0	1.38		11/14/07 14:04	87-68-3	
n-Hexane	ND	ug/m3	0.99	1.38		11/14/07 14:04	110-54-3	
2-Hexanone	ND	ug/m3	1.1	1.38		11/14/07 14:04	591-78-6	
Methylene Chloride	ND	ug/m3	0.98	1.38		11/14/07 14:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.1	1.38		11/14/07 14:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.0	1.38		11/14/07 14:04	1634-04-4	
Naphthalene	ND	ug/m3	3.7	1.38		11/14/07 14:04	91-20-3	
2-Propanol	ND	ug/m3	3.4	1.38		11/14/07 14:04	67-63-0	
Propylene	**38.6**	ug/m3	0.48	1.38		11/14/07 14:04	115-07-1	
Styrene	ND	ug/m3	1.2	1.38		11/14/07 14:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.9	1.38		11/14/07 14:04	79-34-5	
Tetrachloroethene	ND	ug/m3	1.9	1 38		11/14/07 14:04	127-18-4	

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ANALYTICAL RESULTS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

Sample: 111 S. WESTERN AVE BASEMENT **Lab ID: 1063131002** Collected: 11/02/07 10:30 Received: 11/13/07 11:15 Matrix. Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	**16.3**	ug/m3	0.83	1.38		11/14/07 14:04	109-99-9	SS
Toluene	**5.4**	ug/m3	1.1	1.38		11/14/07 14:04	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.4	1.38		11/14/07 14:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.38		11/14/07 14:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.5	1.38		11/14/07 14:04	79-00-5	
Trichloroethene	ND	ug/m3	1.5	1.38		11/14/07 14:04	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.5	1.38		11/14/07 14:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	1.38		11/14/07 14:04	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	3.4	1.38		11/14/07 14:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	3.4	1.38		11/14/07 14:04	108-67-8	
Vinyl acetate	ND	ug/m3	0.98	1.38		11/14/07 14:04	108-05-4	
Vinyl chloride	ND	ug/m3	0.72	1.38		11/14/07 14:04	75-01-4	
m&p-Xylene	ND	ug/m3	2.4	1.38		11/14/07 14:04	1330-20-7	
o-Xylene	ND	ug/m3	1.2	1.38		11/14/07 14:04	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

QC Batch: AIR/6258
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 1063131001

METHOD BLANK: 414335
Associated Lab Samples: 1063131001

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	
2-Propanol	ug/m3	ND	2.5	
4-Ethyltoluene	ug/m3	ND	2.5	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	
Acetone	ug/m3	ND	0.48	
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	
Ethanol	ug/m3	ND	1.9	
Ethyl acetate	ug/m3	ND	0.73	
Ethylbenzene	ug/m3	ND	0.88	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	
m&p-Xylene	ug/m3	ND	1.8	

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QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

METHOD BLANK: 414335
Associated Lab Samples: 1063131001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Methyl-tert-butyl ether	ug/m3	ND	0.73	
Methylene Chloride	ug/m3	ND	0.71	
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	SS
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: 414336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	55.8	101	60-134	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	68.6	98	55-141	
1,1,2-Trichloroethane	ug/m3	55.5	54.0	97	64-129	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	54.0	69	55-137	
1,1-Dichloroethane	ug/m3	41.1	32.9	80	59-136	
1,1-Dichloroethene	ug/m3	40.3	36.2	90	60-137	
1,2,4-Trichlorobenzene	ug/m3	75.4	78.0	103	50-150	
1,2,4-Trimethylbenzene	ug/m3	50	49.2	98	63-137	
1,2-Dibromoethane (EDB)	ug/m3	78.1	84.5	108	61-136	
1,2-Dichlorobenzene	ug/m3	61.1	61.4	100	60-139	
1,2-Dichloroethane	ug/m3	41.1	40.8	99	56-141	
1,2-Dichloropropane	ug/m3	47	50.7	108	57-131	
1,3,5-Trimethylbenzene	ug/m3	50	51.0	102	61-134	
1,3-Butadiene	ug/m3	22.5	20.3	90	53-140	
1,3-Dichlorobenzene	ug/m3	61.1	62.1	102	59-136	
1,4-Dichlorobenzene	ug/m3	61.1	61.0	100	59-130	
2-Butanone (MEK)	ug/m3	30	28.9	97	54-133	
2-Hexanone	ug/m3	41.6	39.1	94	54-139	
2-Propanol	ug/m3	25	19.3	77	50-150	
4-Ethyltoluene	ug/m3	50	45.5	91	61-138	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.6	37.4	90	53-139	
Acetone	ug/m3	24.1	17.7	73	50-139	
Benzene	ug/m3	32.5	30.4	94	64-125	
Bromodichloromethane	ug/m3	68.1	65.9	97	61-131	

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QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

LABORATORY CONTROL SAMPLE: 414336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/m3	105	97.1	92	66-138	
Bromomethane	ug/m3	39.5	34.9	89	55-135	
Carbon disulfide	ug/m3	31.7	34.1	108	50-150	
Carbon tetrachloride	ug/m3	64	63.3	99	58-135	
Chlorobenzene	ug/m3	46.8	50.6	108	62-139	
Chloroethane	ug/m3	26.8	23.6	88	56-140	
Chloroform	ug/m3	49.6	47.5	96	50-150	
Chloromethane	ug/m3	21	17.2	82	56-144	
cis-1,2-Dichloroethene	ug/m3	40.3	37.7	94	62-135	
cis-1,3-Dichloropropene	ug/m3	46.1	60.3	131	64-133	
Cyclohexane	ug/m3	35	35.0	100	54-139	
Dibromochloromethane	ug/m3	86.6	88.3	102	50-150	
Dichlorodifluoromethane	ug/m3	50.3	44.1	88	60-130	
Dichlorotetrafluoroethane	ug/m3	71.1	54.4	77	59-130	
Ethanol	ug/m3	19.2	12.2	64	50-150	
Ethyl acetate	ug/m3	36.6	41.2	112	60-132	
Ethylbenzene	ug/m3	44.1	55.6	126	65-140	
Hexachloro-1,3-butadiene	ug/m3	108	104	96	50-150	
m&p-Xylene	ug/m3	88.3	104	117	60-132	
Methyl-tert-butyl ether	ug/m3	36.6	35.3	96	50-150	
Methylene Chloride	ug/m3	35.3	24.7	70	56-138	
n-Heptane	ug/m3	41.7	34.5	83	62-135	
n-Hexane	ug/m3	35.8	37.0	103	62-134	
Naphthalene	ug/m3	53.3	54.7	103	70-130	
o-Xylene	ug/m3	44.1	51.5	117	64-132	
Propylene	ug/m3	17.5	14.2	81	56-125	
Styrene	ug/m3	43.3	39.5	91	69-134	
Tetrachloroethene	ug/m3	68.9	71.9	104	60-137	
Tetrahydrofuran	ug/m3	30	14.6	49	52-139	SS
Toluene	ug/m3	38.3	39.0	102	69-130	
trans-1,2-Dichloroethene	ug/m3	40.3	37.8	94	50-150	
trans-1,3-Dichloropropene	ug/m3	46.1	53.2	115	70-142	
Trichloroethene	ug/m3	54.6	55.6	102	60-134	
Trichlorofluoromethane	ug/m3	57.1	49.5	87	56-141	
Vinyl acetate	ug/m3	35.8	36.1	101	61-142	
Vinyl chloride	ug/m3	26	23.3	90	66-132	

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QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

QC Batch: AIR/6262
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 1063131002

METHOD BLANK: 414520
Associated Lab Samples: 1063131002

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	
2-Propanol	ug/m3	ND	2.5	
4-Ethyltoluene	ug/m3	ND	2.5	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	
Acetone	ug/m3	ND	0.48	
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	
Ethanol	ug/m3	ND	1.9	
Ethyl acetate	ug/m3	ND	0.73	
Ethylbenzene	ug/m3	ND	0.88	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	
m&p-Xylene	ug/m3	ND	1.8	

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QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

METHOD BLANK: 414520
Associated Lab Samples: 1063131002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Methyl-tert-butyl ether	ug/m3	ND	0.73	
Methylene Chloride	ug/m3	ND	0.71	
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	SS
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: 414521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	56.5	102	60-134	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	71.6	103	55-141	
1,1,2-Trichloroethane	ug/m3	55.5	56.7	102	64-129	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	55.8	72	55-137	
1,1-Dichloroethane	ug/m3	41.1	34.3	83	59-136	
1,1-Dichloroethene	ug/m3	40.3	37.8	94	60-137	
1,2,4-Trichlorobenzene	ug/m3	75.4	65.3	87	50-150	
1,2,4-Trimethylbenzene	ug/m3	50	50.9	102	63-137	
1,2-Dibromoethane (EDB)	ug/m3	78.1	90.9	116	61-136	
1,2-Dichlorobenzene	ug/m3	61.1	63.5	104	60-139	
1,2-Dichloroethane	ug/m3	41.1	40.5	99	56-141	
1,2-Dichloropropane	ug/m3	47	54.8	117	57-131	
1,3,5-Trimethylbenzene	ug/m3	50	52.8	106	61-134	
1,3-Butadiene	ug/m3	22.5	22.1	98	53-140	
1,3-Dichlorobenzene	ug/m3	61.1	64.4	105	59-136	
1,4-Dichlorobenzene	ug/m3	61.1	62.8	103	59-130	
2-Butanone (MEK)	ug/m3	30	32.9	110	54-133	
2-Hexanone	ug/m3	41.6	42.4	102	54-139	
2-Propanol	ug/m3	25	18.6	75	50-150	
4-Ethyltoluene	ug/m3	50	47.2	95	61-138	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.6	40.6	98	53-139	
Acetone	ug/m3	24.1	15.8	65	50-139	
Benzene	ug/m3	32.5	32.3	99	64-125	
Bromodichloromethane	ug/m3	68.1	67.6	99	61-131	

Pace Analytical Services, Inc.
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(612)607-1700

QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

LABORATORY CONTROL SAMPLE: 414521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/m3	105	102	97	66-138	
Bromomethane	ug/m3	39.5	36.5	93	55-135	
Carbon disulfide	ug/m3	31.7	36.4	115	50-150	
Carbon tetrachloride	ug/m3	64	63.1	99	58-135	
Chlorobenzene	ug/m3	46.8	54.5	116	62-139	
Chloroethane	ug/m3	26.8	25.3	95	56-140	
Chloroform	ug/m3	49.6	48.8	98	50-150	
Chloromethane	ug/m3	21	18.4	88	56-144	
cis-1,2-Dichloroethene	ug/m3	40.3	40.7	101	62-135	
cis-1,3-Dichloropropene	ug/m3	46.1	63.4	137	64-133	L3
Cyclohexane	ug/m3	35	39.1	112	54-139	
Dibromochloromethane	ug/m3	86.6	93.1	108	50-150	
Dichlorodifluoromethane	ug/m3	50.3	44.5	88	60-130	
Dichlorotetrafluoroethane	ug/m3	71.1	58.0	82	59-130	
Ethanol	ug/m3	19.2	13.2	69	50-150	
Ethyl acetate	ug/m3	36.6	45.3	124	60-132	
Ethylbenzene	ug/m3	44.1	59.1	134	65-140	
Hexachloro-1,3-butadiene	ug/m3	108	92.6	85	50-150	
m&p-Xylene	ug/m3	88.3	109	124	60-132	
Methyl-tert-butyl ether	ug/m3	36.6	36.5	100	50-150	
Methylene Chloride	ug/m3	35.3	26.1	74	56-138	
n-Heptane	ug/m3	41.7	39.8	96	62-135	
n-Hexane	ug/m3	35.8	41.6	116	62-134	
Naphthalene	ug/m3	53.3	46.8	88	70-130	
o-Xylene	ug/m3	44.1	54.6	124	64-132	
Propylene	ug/m3	17.5	16.7	95	56-125	
Styrene	ug/m3	43.3	42.3	98	69-134	
Tetrachloroethene	ug/m3	68.9	77.2	112	60-137	
Tetrahydrofuran	ug/m3	30	17.2	57	52-139	
Toluene	ug/m3	38.3	41.0	107	69-130	
trans-1,2-Dichloroethene	ug/m3	40.3	39.7	99	50-150	
trans-1,3-Dichloropropene	ug/m3	46.1	55.3	120	70-142	
Trichloroethene	ug/m3	54.6	59.0	108	60-134	
Trichlorofluoromethane	ug/m3	57.1	49.2	86	56-141	
Vinyl acetate	ug/m3	35.8	37.6	105	61-142	
Vinyl chloride	ug/m3	26	25.3	98	66-132	

SAMPLE DUPLICATE: 414838

Parameter	Units	1063131002 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	

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QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

SAMPLE DUPLICATE: 414838

Parameter	Units	1063131002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/m3	ND	2.2J	6	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	6.1	6.3	3	25	
2-Hexanone	ug/m3	ND	ND	0	25	
2-Propanol	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	ND	ND	0	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	15.0	14.8	2	25	
Benzene	ug/m3	0.95	0.92	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	ND	ND	0	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	ND	ND	0	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	2.2	2.1	3	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	
Ethanol	ug/m3	5.8	5.3	9	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	
m&p-Xylene	ug/m3	ND	ND	0	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	ND	ND	0	25	
n-Heptane	ug/m3	ND	ND	0	25	
n-Hexane	ug/m3	ND	ND	0	25	
Naphthalene	ug/m3	ND	ND	0	25	
o-Xylene	ug/m3	ND	ND	0	25	
Propylene	ug/m3	38.6	39.1	1	25	
Styrene	ug/m3	ND	ND	0	25	
Tetrachloroethene	ug/m3	ND	ND	0	25	
Tetrahydrofuran	ug/m3	16.3	17.2	5	25	SS
Toluene	ug/m3	5.4	5.3	9	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND	0	25	

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QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

SAMPLE DUPLICATE: 414838

Parameter	Units	1063131002 Result	Dup Result	RPD	Max RPD	Qualifiers
trans-1,3-Dichloropropene	ug/m3	ND	ND	0	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	

SAMPLE DUPLICATE: 414839

Parameter	Units	1063034001 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	ND	2.2J	1	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	1.7J	.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	ND	ND	0	25	
2-Hexanone	ug/m3	ND	ND	0	25	
2-Propanol	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	ND	2.1J	.9	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	11.7	12.1	3	25	
Benzene	ug/m3	ND	ND	0	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	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	ND	ND	0	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	2.3	2.3	3	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	

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QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

SAMPLE DUPLICATE: 414839

Parameter	Units	1063034001 Result	Dup Result	RPD	Max RPD	Qualifiers
Ethanol	ug/m3	8.0	7.9	1	25	
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	1.1	1.1	2	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	
m&p-Xylene	ug/m3	3.9	3.8	3	25	
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	ND	ND	0	25	
n-Heptane	ug/m3	ND	ND	0	25	
n-Hexane	ug/m3	ND	ND	0	25	
Naphthalene	ug/m3	ND	ND	0	25	
o-Xylene	ug/m3	2.9	3.0	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	SS
Toluene	ug/m3	12.0	12.0	.2	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	ND	ND	0	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

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QUALIFIERS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

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.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

SAMPLE QUALIFIERS

Sample: 1063131001

[1] The Total Hydrocarbon (THC) pattern is evenly distributed throughout the chromatogram (before and after toluene).

Sample: 1063131002

[1] The Total Hydrocarbon (THC) pattern is evenly distributed throughout the chromatogram (before and after toluene).

ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063131

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1063131001	110 S. WESTERN AVE BASEMENT	TO-15	AIR/6258		
1063131002	111 S. WESTERN AVE BASEMENT	TO-15	AIR/6262		

Data File: \\192.168.10.12\chem\10air0.i\111307.b\31724.D
Report Date: 14-Nov-2007 11:32

Pace Analytical Services

TO15 Analysis (UNIX)

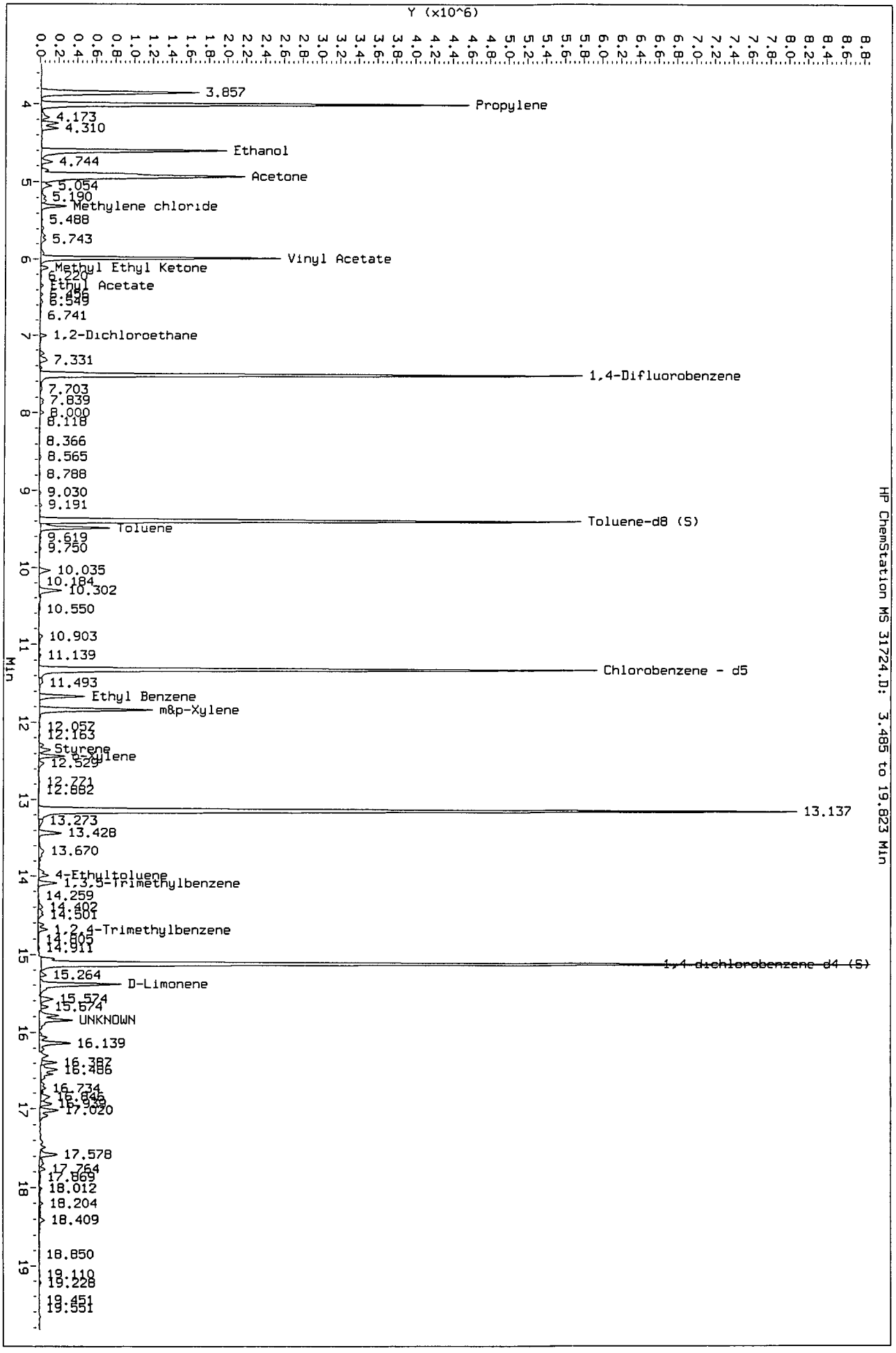
Data file : \\192.168.10.12\chem\10air0.i\111307.b\31724.D
Lab Smp Id: 1063131001 Client Smp ID: 1063131001
Inj Date : 14-NOV-2007 09:23
Operator : HRG Inst ID: 10air0.i
Smp Info :
Misc Info : 6258
Comment : Volatile Organic COMPOUNDS in Air
Method : \\192.168.10.12\chem\10air0.i\111307.b\LOWTO15_316.m
Meth Date : 14-Nov-2007 11:31 10air0.i Quant Type: ISTD
Cal Date : 12-NOV-2007 13:00 Cal File: 31610.D
Als bottle: 24
Dil Factor: 1.34000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA10

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
* 48 Chlorobenzene - d5	11.319	12994713	10.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
D-Limonene				CAS #: 5989-27-5			
15.382	2203137	1.69540989	2.27	93	NBS75K.l	6664	48
Unknown				CAS #:			
15.841	1479979	1.13890842	1.53	0		0	48



Data File: \\192.168.10.12\chem\10air0.i\111307.b\31724.D
Injection Date: 14-NOV-2007 09:23
Instrument: 10air0.i
Client Sample ID: 1063131001

Data File: \\192.168.10.12\chem\10air0.i\111407.b\31808.D
Report Date: 15-Nov-2007 08:46

Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: 1063131002
Operator : HRG
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 14-NOV-2007 14:04

Client SDG: 102205

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 4

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	15.283	1.84	J
2.		Unknown	15.872	1.50	J
3.		Unknown	16.331	1.85	J
4.		Unknown	17.255	1.90	J

Data File: \\192.168.10.12\chem\10air0.i\111407.b\31808.D
Report Date: 15-Nov-2007 08:46

Pace Analytical Services

TO15 Analysis (UNIX)

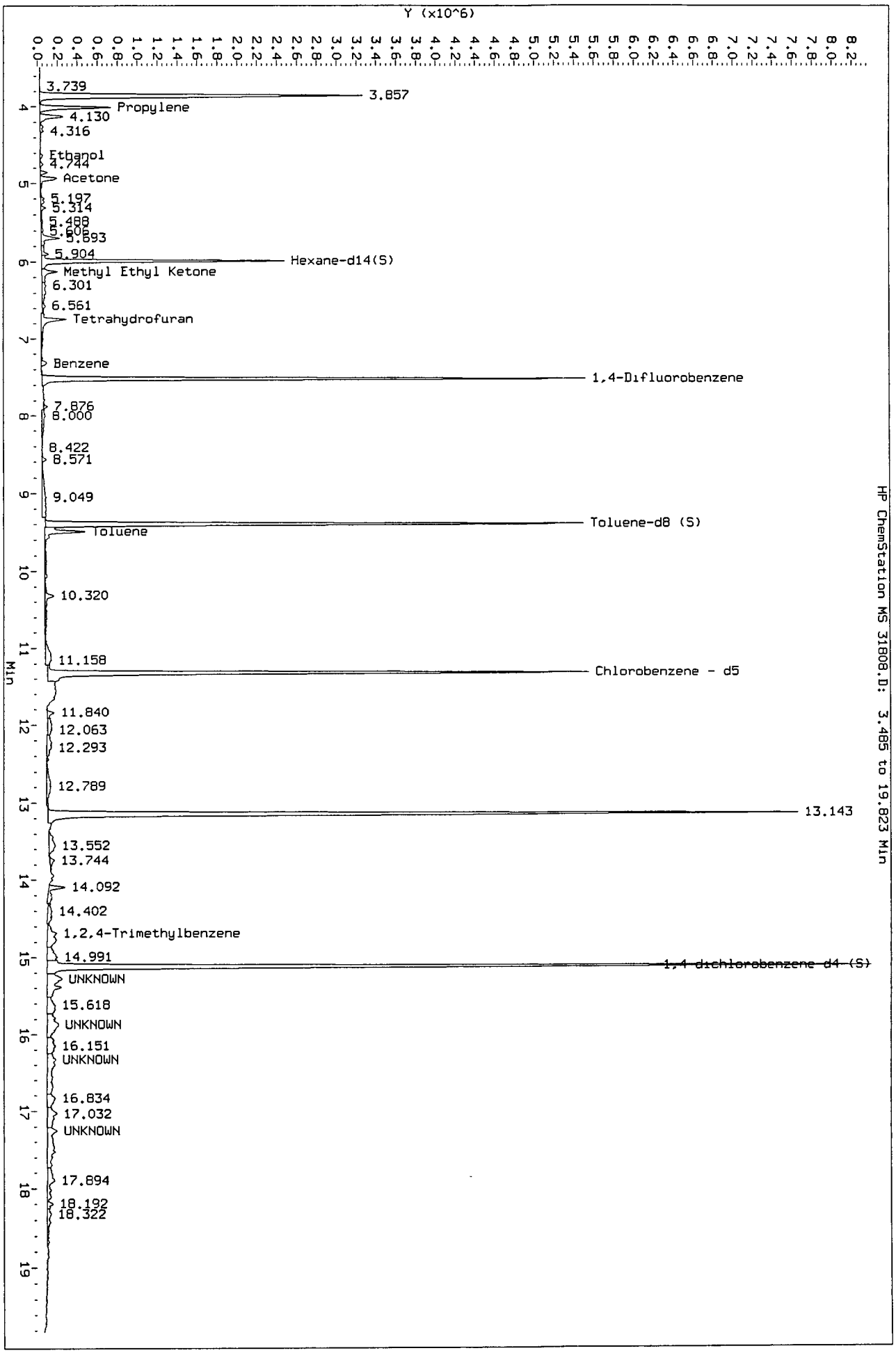
Data file : \\192.168.10.12\chem\10air0.i\111407.b\31808.D
Lab Smp Id: 1063131002
Inj Date : 14-NOV-2007 14:04
Operator : HRG Inst ID: 10air0.i
Smp Info :
Misc Info : 6262
Comment : Volatile Organic COMPOUNDS in Air
Method : \\192.168.10.12\chem\10air0.i\111407.b\LOWTO15_316.m
Meth Date : 15-Nov-2007 08:46 10air0.i Quant Type: ISTD
Cal Date : 12-NOV-2007 13:00 Cal File: 31610.D
Als bottle: 8
Dil Factor: 1.38000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA10

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.380	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 48 Chlorobenzene - d5	11.325	12617005	10.000

RT	AREA	CONCENTRATIONS ON-COL(ppbv)	CONCENTRATIONS FINAL(ppbv)	QUAL	QUANT LIBRARY	QUANT LIB ENTRY	QUANT CPND #
Unknown				CAS #:			
15.283	1679330	1.33100546	1.84	0		0	48
Unknown				CAS #:			
15.872	1370283	1.08606051	1.50	0		0	48
Unknown				CAS #:			
16.331	1688289	1.33810571	1.85	0		0	48
Unknown				CAS #:			
17.255	1735252	1.37532798	1.90	0		0	48



Data File: \\192.168.10.12\chem\10air0.i\111407.b\31808.D
Injection Date: 14-NOV-2007 14:04
Instrument: 10air0.i
Client Sample ID: 1063131002

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CHAIN-OF-CUSTODY / Analytical Request Document

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

1063131

Page: of 1160753

Section A Required Client Information

Company	COTEAU ENVIRONMENTAL
Address	728 JAMES CIRCLE DR ALEXANDRIA, MN 56308
Email To	
Phone / Fax	320-815-0474 /
Requested Due Date/TAT:	

Section B Required Project Information:

Report To	COTEAU
Copy To	COTEAU
Purchase Order No	
Project Name	RC KWIK STOP
Project Number	B200TEN, MN

Section C Invoice Information

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

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE:

Section D Required Client Information

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	CANISTER #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: VOC's (TO-15)	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	110 S. WESTERN AVE BASEMENT	362	AR		11/1/07	1000	11/2/07	1000		1									✓			1063131001
2	111 S. WESTERN AVE BASEMENT	333	↓		↓	1030	↓	1030		1									✓			002
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
BASEMENT SAMPLES N.E. 24 HR		11/5/07	1700		11/13	1015				
0 PSI REMAINED IN		11/13	1115		11/13/07	11:15	ACC	N	N	Y
BOTH SUMMA CANISTERS										

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: SCOTT HUNKE

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 11/5/07

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

[redacted] *Im[redacted]te By s[redacted]s form y[redacted]cepting [redacted]ET 30 d[redacted]nt terms [redacted]eing to [redacted]es of 1 [redacted]onth for [redacted]ces not [redacted]n 30 da[redacted] [redacted] [redacted] [redacted] [redacted] [redacted]-Q-02[redacted]7, 15-N[redacted]07 [redacted]

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

December 12, 2007

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

RE: Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

Dear Scott Hunke:
Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 2007. The results relate only to the samples included in this report. 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

Florida (Nelap) Certification #: E87605
Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures

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SAMPLE SUMMARY

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1063133001	111 S. WESTERN AVE (SUB-SLAB)	Air	11/08/07 12:30	11/13/07 11:15

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SAMPLE ANALYTE COUNT

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

Lab ID	Sample ID	Method	Analytes Reported
1063133001	111 S. WESTERN AVE (SUB-SLAB)	TO-15	60

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PROJECT NARRATIVE

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

Method: TO-15
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: December 12, 2007

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.

QC Batch: AIR/6269

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- 111 S. WESTERN AVE (SUB-SLAB) (Lab ID: 1063133001)
  - Tetrahydrofuran
- BLANK (Lab ID: 415273)
  - Tetrahydrofuran
- DUP (Lab ID: 415935)
  - Tetrahydrofuran
- DUP (Lab ID: 415936)
  - Tetrahydrofuran
- LCS (Lab ID: 415274)
  - Tetrahydrofuran

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/6269

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: 415274)
  - Ethylbenzene
  - m&p-Xylene
  - o-Xylene

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 415274)

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PROJECT NARRATIVE

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

Method: **TO-15**
Description: TO15 MSV AIR
Client: Coteau Environmental
Date: December 12, 2007

QC Batch: AIR/6269

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- cis-1,3-Dichloropropene

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Sample Comments:

K2: The Total Hydrocarbon (THC) pattern occured in the second half of the chromatogram (after toluene).

- 111 S. WESTERN AVE (SUB-SLAB) (Lab ID: 1063133001)

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

Sample: 111 S. WESTERN AVE (SUB-SLAB) **Lab ID: 1063133001** Collected: 11/08/07 12.30 Received: 11/13/07 11:15 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**54.8**	ug/m3	0.86	1.8		11/15/07 18:40	67-64-1	
Benzene	**2.2**	ug/m3	1.2	1.8		11/15/07 18:40	71-43-2	
Bromodichloromethane	ND	ug/m3	2.5	1.8		11/15/07 18:40	75-27-4	
Bromoform	ND	ug/m3	3.8	1.8		11/15/07 18:40	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.8		11/15/07 18:40	74-83-9	
1,3-Butadiene	ND	ug/m3	0.81	1.8		11/15/07 18:40	106-99-0	
2-Butanone (MEK)	**75.3**	ug/m3	1.1	1.8		11/15/07 18:40	78-93-3	
Carbon disulfide	**1.2**	ug/m3	1.1	1.8		11/15/07 18:40	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.3	1.8		11/15/07 18:40	56-23-5	
Chlorobenzene	ND	ug/m3	1.7	1.8		11/15/07 18:40	108-90-7	
Chloroethane	ND	ug/m3	0.97	1.8		11/15/07 18:40	75-00-3	
Chloroform	ND	ug/m3	1.8	1.8		11/15/07 18:40	67-66-3	
Chloromethane	ND	ug/m3	0.76	1.8		11/15/07 18:40	74-87-3	
Cyclohexane	ND	ug/m3	1.2	1.8		11/15/07 18:40	110-82-7	
Dibromochloromethane	ND	ug/m3	3.1	1.8		11/15/07 18:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.8		11/15/07 18:40	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.8		11/15/07 18:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.8		11/15/07 18:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.8		11/15/07 18:40	106-46-7	
Dichlorodifluoromethane	**2.3**	ug/m3	1.8	1.8		11/15/07 18:40	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.5	1.8		11/15/07 18:40	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.5	1.8		11/15/07 18:40	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.5	1.8		11/15/07 18:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.8		11/15/07 18:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.8		11/15/07 18:40	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.7	1.8		11/15/07 18:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.8		11/15/07 18:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.8		11/15/07 18:40	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.8		11/15/07 18:40	76-14-2	
Ethanol	ND	ug/m3	3.4	1.8		11/15/07 18:40	64-17-5	
Ethyl acetate	ND	ug/m3	1.3	1.8		11/15/07 18:40	141-78-6	
Ethylbenzene	**3.4**	ug/m3	1.6	1.8		11/15/07 18:40	100-41-4	L1
4-Ethyltoluene	**5.5**	ug/m3	4.5	1.8		11/15/07 18:40	622-96-8	
n-Heptane	**2.8**	ug/m3	1.5	1.8		11/15/07 18:40	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	4.0	1.8		11/15/07 18:40	87-68-3	
n-Hexane	ND	ug/m3	1.3	1.8		11/15/07 18:40	110-54-3	
2-Hexanone	ND	ug/m3	1.5	1.8		11/15/07 18:40	591-78-6	
Methylene Chloride	ND	ug/m3	1.3	1.8		11/15/07 18:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.5	1.8		11/15/07 18:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.3	1.8		11/15/07 18:40	1634-04-4	
Naphthalene	**7.5**	ug/m3	4.9	1.8		11/15/07 18:40	91-20-3	
2-Propanol	ND	ug/m3	4.5	1.8		11/15/07 18:40	67-63-0	
Propylene	ND	ug/m3	0.63	1.8		11/15/07 18:40	115-07-1	
Styrene	ND	ug/m3	1.6	1.8		11/15/07 18:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.5	1.8		11/15/07 18:40	79-34-5	
Tetrachloroethene	ND	ug/m3	2.5	1.8		11/15/07 18:40	127-18-4	

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ANALYTICAL RESULTS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

Sample: 111 S. WESTERN AVE (SUB-SLAB) **Lab ID: 1063133001** Collected: 11/08/07 12:30 Received: 11/13/07 11:15 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	**94.4**	ug/m3	1.1	1.8		11/15/07 18:40	109-99-9	SS
Toluene	**10.2**	ug/m3	1.4	1.8		11/15/07 18:40	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.8	1.8		11/15/07 18:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.8		11/15/07 18:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	2.0	1.8		11/15/07 18:40	79-00-5	
Trichloroethene	ND	ug/m3	2.0	1.8		11/15/07 18:40	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.0	1.8		11/15/07 18:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.8		11/15/07 18:40	76-13-1	
1,2,4-Trimethylbenzene	**12.8**	ug/m3	4.5	1.8		11/15/07 18:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	4.5	1.8		11/15/07 18:40	108-67-8	
Vinyl acetate	**6.3**	ug/m3	1.3	1.8		11/15/07 18:40	108-05-4	
Vinyl chloride	ND	ug/m3	0.94	1.8		11/15/07 18:40	75-01-4	
m&p-Xylene	**12.8**	ug/m3	3.2	1.8		11/15/07 18:40	1330-20-7	L1
o-Xylene	**4.5**	ug/m3	1.6	1.8		11/15/07 18:40	95-47-6	L1

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QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

QC Batch: AIR/6269
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 1063133001

METHOD BLANK: 415273
Associated Lab Samples: 1063133001

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	
2-Propanol	ug/m3	ND	2.5	
4-Ethyltoluene	ug/m3	ND	2.5	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	
Acetone	ug/m3	ND	0.48	
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	
Ethanol	ug/m3	ND	1.9	
Ethyl acetate	ug/m3	ND	0.73	
Ethylbenzene	ug/m3	ND	0.88	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	
m&p-Xylene	ug/m3	ND	1.8	

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QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

METHOD BLANK: 415273
Associated Lab Samples: 1063133001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Methyl-tert-butyl ether	ug/m3	ND	0.73	
Methylene Chloride	ug/m3	ND	0.71	
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	SS
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: 415274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	67.5	122	60-134	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	82.6	118	55-141	
1,1,2-Trichloroethane	ug/m3	55.5	64.8	117	64-129	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	64.6	83	55-137	
1,1-Dichloroethane	ug/m3	41.1	39.2	95	59-136	
1,1-Dichloroethene	ug/m3	40.3	44.2	110	60-137	
1,2,4-Trichlorobenzene	ug/m3	75.4	69.2	92	50-150	
1,2,4-Trimethylbenzene	ug/m3	50	59.1	118	63-137	
1,2-Dibromoethane (EDB)	ug/m3	78.1	104	133	61-136	
1,2-Dichlorobenzene	ug/m3	61.1	72.5	119	60-139	
1,2-Dichloroethane	ug/m3	41.1	50.7	123	56-141	
1,2-Dichloropropane	ug/m3	47	60.9	130	57-131	
1,3,5-Trimethylbenzene	ug/m3	50	61.1	122	61-134	
1,3-Butadiene	ug/m3	22.5	24.3	108	53-140	
1,3-Dichlorobenzene	ug/m3	61.1	73.4	120	59-136	
1,4-Dichlorobenzene	ug/m3	61.1	72.2	118	59-130	
2-Butanone (MEK)	ug/m3	30	33.5	112	54-133	
2-Hexanone	ug/m3	41.6	44.3	106	54-139	
2-Propanol	ug/m3	25	20.5	82	50-150	
4-Ethyltoluene	ug/m3	50	54.4	109	61-138	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.6	41.8	100	53-139	
Acetone	ug/m3	24.1	20.4	85	50-139	
Benzene	ug/m3	32.5	36.2	112	64-125	
Bromodichloromethane	ug/m3	68.1	81.1	119	61-131	

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QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

LABORATORY CONTROL SAMPLE: 415274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/m3	105	115	110	66-138	
Bromomethane	ug/m3	39.5	42.0	106	55-135	
Carbon disulfide	ug/m3	31.7	41.2	130	50-150	
Carbon tetrachloride	ug/m3	64	76.8	120	58-135	
Chlorobenzene	ug/m3	46.8	60.9	130	62-139	
Chloroethane	ug/m3	26.8	28.3	105	56-140	
Chloroform	ug/m3	49.6	57.3	116	50-150	
Chloromethane	ug/m3	21	21.0	100	56-144	
cis-1,2-Dichloroethene	ug/m3	40.3	44.7	111	62-135	
cis-1,3-Dichloropropene	ug/m3	46.1	72.8	158	64-133	L3
Cyclohexane	ug/m3	35	41.1	117	54-139	
Dibromochloromethane	ug/m3	86.6	106	123	50-150	
Dichlorodifluoromethane	ug/m3	50.3	53.5	106	60-130	
Dichlorotetrafluoroethane	ug/m3	71.1	67.9	95	59-130	
Ethanol	ug/m3	19.2	13.7	71	50-150	
Ethyl acetate	ug/m3	36.6	47.0	128	60-132	
Ethylbenzene	ug/m3	44.1	67.3	152	65-140	L1
Hexachloro-1,3-butadiene	ug/m3	108	101	93	50-150	
m&p-Xylene	ug/m3	88.3	125	141	60-132	L1
Methyl-tert-butyl ether	ug/m3	36.6	40.1	109	50-150	
Methylene Chloride	ug/m3	35.3	30.0	85	56-138	
n-Heptane	ug/m3	41.7	41.5	100	62-135	
n-Hexane	ug/m3	35.8	44.5	124	62-134	
Naphthalene	ug/m3	53.3	49.3	93	70-130	
o-Xylene	ug/m3	44.1	63.0	143	64-132	L1
Propylene	ug/m3	17.5	16.9	96	56-125	
Styrene	ug/m3	43.3	47.4	109	69-134	
Tetrachloroethene	ug/m3	68.9	86.9	126	60-137	
Tetrahydrofuran	ug/m3	30	16.8	56	52-139	SS
Toluene	ug/m3	38.3	46.7	122	69-130	
trans-1,2-Dichloroethene	ug/m3	40.3	44.9	111	50-150	
trans-1,3-Dichloropropene	ug/m3	46.1	64 4	140	70-142	
Trichloroethene	ug/m3	54.6	66.4	122	60-134	
Trichlorofluoromethane	ug/m3	57.1	60.5	106	56-141	
Vinyl acetate	ug/m3	35.8	42.0	117	61-142	
Vinyl chloride	ug/m3	26	28.6	110	66-132	

SAMPLE DUPLICATE: 415935

Parameter	Units	1063133001 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	

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QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

SAMPLE DUPLICATE: 415935

Parameter	Units	1063133001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/m3	12.8	13.3	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	
1,2-Dichloropropane	ug/m3	ND	ND	0	25	
1,3,5-Trimethylbenzene	ug/m3	ND	4.3J	.7	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	75.3	78.7	4	25	
2-Hexanone	ug/m3	ND	ND	0	25	
2-Propanol	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	5.5	5.3	5	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	54.8	55.4	1	25	
Benzene	ug/m3	2.2	1.7	21	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	1.2	1.2	4	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	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	ND	ND	0	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	2.3	2.4	5	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	
Ethanol	ug/m3	ND	ND	0	25	
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	3.4	3.5	.4	25	L1
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	
m&p-Xylene	ug/m3	12.8	12.4	3	25	L1
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	ND	ND	0	25	
n-Heptane	ug/m3	2.8	2.8	1	25	
n-Hexane	ug/m3	ND	ND	0	25	
Naphthalene	ug/m3	7.5	8.8	16	25	
o-Xylene	ug/m3	4.5	4.6	2	25	L1
Propylene	ug/m3	ND	ND	0	25	
Styrene	ug/m3	ND	ND	0	25	
Tetrachloroethene	ug/m3	ND	ND	0	25	
Tetrahydrofuran	ug/m3	94.4	98.5	4	25	SS
Toluene	ug/m3	10.2	9.3	9	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND	0	25	

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

SAMPLE DUPLICATE: 415935

Parameter	Units	1063133001 Result	Dup Result	RPD	Max RPD	Qualifiers
trans-1,3-Dichloropropene	ug/m3	ND	ND	0	25	
Trichloroethene	ug/m3	ND	ND	0	25	
Trichlorofluoromethane	ug/m3	ND	ND	0	25	
Vinyl acetate	ug/m3	6.3	6.1	2	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

SAMPLE DUPLICATE: 415936

Parameter	Units	1063256001 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	16.6	16.8	1	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	6.0	6.2	2	25	
1,3-Butadiene	ug/m3	ND	ND	0	25	
1,3-Dichlorobenzene	ug/m3	ND	ND	0	25	
1,4-Dichlorobenzene	ug/m3	17.5	17.8	1	25	
2-Butanone (MEK)	ug/m3	16.4	16.3	.6	25	
2-Hexanone	ug/m3	2.5	2.4	4	25	
2-Propanol	ug/m3	ND	ND	0	25	
4-Ethyltoluene	ug/m3	5.6	5.8	3	25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND	0	25	
Acetone	ug/m3	94.2	94.9	.7	25	
Benzene	ug/m3	4.7	4.8	2	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	1.4	1.4	.2	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	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	2.8	3.0	6	25	
Dibromochloromethane	ug/m3	ND	ND	0	25	
Dichlorodifluoromethane	ug/m3	2.2	2.2	.6	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND	0	25	

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(612)607-1700

QUALITY CONTROL DATA

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

SAMPLE DUPLICATE: 415936

Parameter	Units	1063256001 Result	Dup Result	RPD	Max RPD	Qualifiers
Ethanol	ug/m3	12.9	12.8	.09	25	
Ethyl acetate	ug/m3	ND	ND	0	25	
Ethylbenzene	ug/m3	3.7	3.9	5	25	L1
Hexachloro-1,3-butadiene	ug/m3	ND	ND	0	25	
m&p-Xylene	ug/m3	11.5	11.8	3	25	L1
Methyl-tert-butyl ether	ug/m3	ND	ND	0	25	
Methylene Chloride	ug/m3	ND	ND	0	25	
n-Heptane	ug/m3	6.8	6.4	6	25	
n-Hexane	ug/m3	ND	ND	0	25	
Naphthalene	ug/m3	ND	4.2J	7	25	
o-Xylene	ug/m3	5.6	5.7	3	25	L1
Propylene	ug/m3	63.2	63.4	.4	25	
Styrene	ug/m3	3.1	3.2	1	25	
Tetrachloroethene	ug/m3	ND	ND	0	25	
Tetrahydrofuran	ug/m3	ND	ND	0	25	SS
Toluene	ug/m3	8.1	8.5	4	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	ND	ND	0	25	
Vinyl acetate	ug/m3	ND	ND	0	25	
Vinyl chloride	ug/m3	ND	ND	0	25	

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QUALIFIERS

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

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.
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

SAMPLE QUALIFIERS

Sample: 1063133001

[1] The Total Hydrocarbon (THC) pattern occured in the second half of the chromatogram (after toluene).

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KC KWIK STOP - BROOTEN, MN
Pace Project No.: 1063133

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1063133001	111 S. WESTERN AVE (SUB-SLAB)	TO-15	AIR/6269		

Data File: \\192.168.10.12\chem\10air0.i\111307.b\31724.D
Report Date: 14-Nov-2007 11:32

Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: 1063131001
Operator : HRG
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 14-NOV-2007 09:23

Client SDG: 102205
Client Smp ID: 1063131001
Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 5989-27-5	D-Limonene	15.382	2.27	NJ
2.	Unknown	15.841	1.53	J

Data File: \\192.168.10.12\chem\10air0.i\111507.b\31912.D
Report Date: 16-Nov-2007 11:11

Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: 1063133001
Operator : HRG
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 15-NOV-2007 18:40

Client SDG: 102205

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 4

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	10.023	2.62	J
2.	13475-82-6	Heptane, 2,2,4,6,6-pentamet	14.526	11.7	NJ
3.		Unknown	15.488	2.06	J
4.	527-84-4	Benzene, 1-methyl-2-(1-meth	16.430	2.23	NJ

Data File: \\192.168.10.12\chem\10air0.i\111507.b\31912.D
Report Date: 16-Nov-2007 11:11

Pace Analytical Services

TO15 Analysis (UNIX)

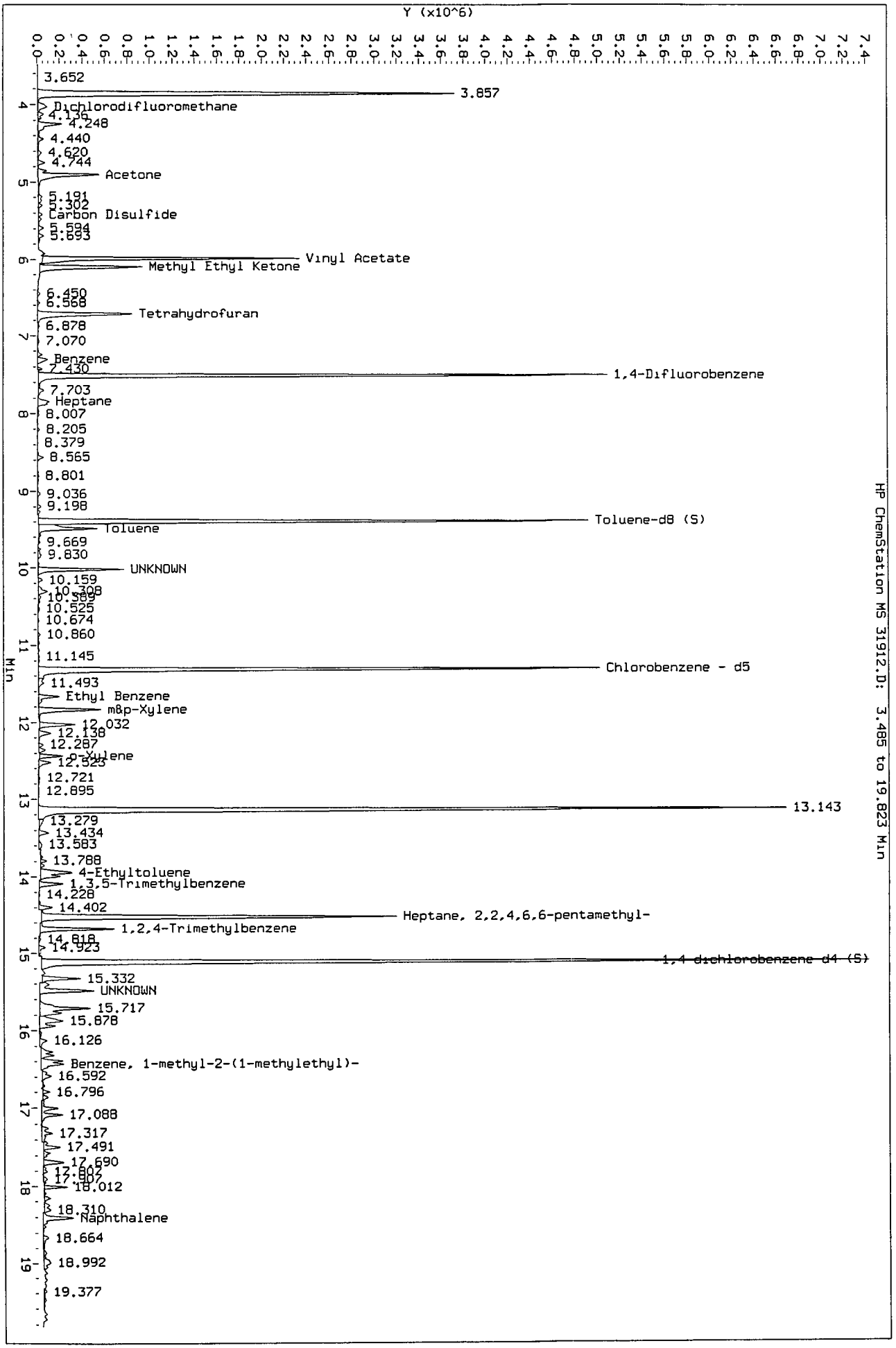
Data file : \\192.168.10.12\chem\10air0.i\111507.b\31912.D
Lab Smp Id: 1063133001
Inj Date : 15-NOV-2007 18:40
Operator : HRG Inst ID: 10air0.i
Smp Info :
Misc Info :
Comment : Volatile Organic COMPOUNDS in Air
Method : \\192.168.10.12\chem\10air0.i\111507.b\LOWTO15_316.m
Meth Date : 15-Nov-2007 14:49 hgreen Quant Type: ISTD
Cal Date : 12-NOV-2007 13:00 Cal File: 31610.D
Als bottle: 12
Dil Factor: 1.80000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10VOA10

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.800	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 48 Chlorobenzene - d5	11.325	11207264	10.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
10.023	1632024	1.45622009	2.62	0		0	48
Heptane, 2,2,4,6,6-pentamethyl-				CAS #: 13475-82-6			
14.526	7281646	6.49725509	11.7	78	NBS75K.1	15367	48
Unknown				CAS #:			
15.488	1279754	1.14189638	2.06	0		0	48
Benzene, 1-methyl-2-(1-methylethyl)-				CAS #: 527-84-4			
16.430	1389495	1.23981657	2.23	97	NBS75K.1	6228	48



Data File: \\192.168.10.12\chem\10air0.i\111507.b\31912.D
Injection Date: 15-NOV-2007 18:40
Instrument: 10air0.i
Client Sample ID: 106313001

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CHAIN-OF-CUSTODY / Analytical Request Document

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

106313

Page: of

1160743

Section A Required Client Information

Company	COTEAU ENVIRONMENTAL
Address	728 JAMES CIRCLE DR SW
	ALEXANDRIA, MN 56308
Email To	
Phone	320-815-0474
Fax	
Requested Due Date/TAT:	

Section B Required Project Information

Report To	COTEAU
Copy To	COTEAU
Purchase Order No	
Project Name	KC KWIK STOP
Project Number	BROOTEN, MN

Section C Invoice Information

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

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE:

Section D Required Client Information

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	VOCs (TO-15)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	111 S. WESTERN AVE (SUB-SLAB)	AR	G	11/8/07	1230	1:25 MINUTES			1										Y		10631330 01
2	CANISTER # 505																				
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	11/8/07	1630	[signature]	11/13	1015				
	[signature]	11/13	1115	Jeng Thao / PACE	11/13	1115	AMB	N	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: SCOTT HUMKE

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11/8/07

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to pay a late charge of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

FIELD DATA

CLIENT: FORMER KC KWICK STOP

DATE 2/5/07

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							12.13		19.93	10.21		MW-01
MW-02							14.79		22.16	12.90		MW-02
MW-03							15.05		22.42	13.08	3	MW-03
MW-04							15.18		21.83	13.21	2	MW-04
MW-05							12.01		19.20	10.06	4	MW-05
MW-06							12.52		19.64	10.58	1	MW-06

* = Contains Product

OBSERVATIONS/COMMENTS:

WATER SAMPLING DATA

DATE:	2/5/07
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:	15.05
COLUMN LENGTH:	7.37
WELL VOLUME:	1.18
TOTAL VOLUME REMOVED:	6
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN, 0 TO -10 BELOW
SAMPLE DESCRIPTION:	LIGHT BROWN, ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1519

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:	2/5/07
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:	15.18
COLUMN LENGTH:	6.65
WELL VOLUME:	1.06
TOTAL VOLUME REMOVED:	5.5
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN 0 TO -10 BELOW
SAMPLE DESCRIPTION:	LIGHT BROWN, ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1415

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:	2/5/07
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:	12.01
COLUMN LENGTH:	7.19
WELL VOLUME:	1.15
TOTAL VOLUME REMOVED:	5.75
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN 0 TO -10 BELOW
SAMPLE DESCRIPTION:	LIGHT BROWN, ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1621

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:	2/5/07
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-0 6
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.64
DEPTH TO WATER:	12.52
COLUMN LENGTH:	7.12
WELL VOLUME:	1.14
TOTAL VOLUME REMOVED:	5.75
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN 0 TO -10 BELOW
SAMPLE DESCRIPTION:	LIGHT BROWN
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1313

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 5/8/07

LOCATION: BROOTEN, MN

FLUID LEVEL SHEET

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							10.33		19.93	10.21		MW-01
MW-02							13.02		22.16	12.90		MW-02
MW-03							13.31		22.42	13.08	3	MW-03
MW-04							13.46		21.83	13.21	2	MW-04
MW-05							10.23		19.20	10.06	4	MW-05
MW-06							10.57		19.64	10.58	1	MW-06

* = Contains Product

OBSERVATIONS/COMMENTS:

COTEAU ENVIRONMENTAL

WATER SAMPLING DATA

DATE:	5/8/07 5/9/07 SDH
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:	13.31
COLUMN LENGTH:	9.11
WELL VOLUME:	1.46
TOTAL VOLUME REMOVED:	7.5
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUNNY, 60°S
SAMPLE DESCRIPTION:	LIGHT BROWN, SLIGHT ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	0843

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:	5/8/07
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:	13.46
COLUMN LENGTH:	8.37
WELL VOLUME:	1.34
TOTAL VOLUME REMOVED:	6.75
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN, 60'S
SAMPLE DESCRIPTION:	LIGHT BROWN, SLIGHT ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1118

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

S04

DATE:	~~4/8/07~~ 9/9/07
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-0 5
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.20
DEPTH TO WATER:	10.23
COLUMN LENGTH:	8.97
WELL VOLUME:	1.44
TOTAL VOLUME REMOVED:	7.25
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN, 60's
SAMPLE DESCRIPTION:	LIGHT GRAY ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	0940

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:	5/8/07
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-0 6
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.64
DEPTH TO WATER:	10.87
COLUMN LENGTH:	8.77
WELL VOLUME:	1.40
TOTAL VOLUME REMOVED:	7
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN, 60°S
SAMPLE DESCRIPTION:	LIGHT BROWN
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1024

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 8/10/07

LOCATION: BROOTEN, MN

FIELD LEVEL SHEET

NAME SJH

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							11.53		19.93	10.21		MW-01
MW-02							14.20		22.16	12.90		MW-02
MW-03							14.48		22.42	13.08	3	MW-03
MW-04							11.40		21.83	13.21	2	MW-04
MW-05							14.59		19.20	10.06	4	MW-05
MW-06							11.92		19.64	10.58	1	MW-06

* = Contains Product

OBSERVATIONS/COMMENTS:

WATER SAMPLING DATA

DATE:	8/10/07
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:	14.48
COLUMN LENGTH:	7.74
WELL VOLUME:	1.24
TOTAL VOLUME REMOVED:	6.25
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUNNY 80°S
SAMPLE DESCRIPTION:	LIGHT BROWN SLIGHT ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1117

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:	8/10/07
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:	14.59
COLUMN LENGTH:	7.24
WELL VOLUME:	1.16
TOTAL VOLUME REMOVED:	6
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN, 80°S
SAMPLE DESCRIPTION:	LIGHT BROWN, ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1040

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:	8/10/07
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-0 5
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.20
DEPTH TO WATER:	11.40
COLUMN LENGTH:	7.80
WELL VOLUME:	1.25
TOTAL VOLUME REMOVED:	6.25
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUNY 80°S
SAMPLE DESCRIPTION:	LIGHT GRAY, ODOR
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!

WATER SAMPLING DATA

DATE:	8/10/07
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-0 6
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.64
DEPTH TO WATER:	11.92
COLUMN LENGTH:	7.72
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
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1002

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 11/1/07

LOCATION: BROOTEN, MN

FIELD LEVEL SHEET

NAME SDL

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							10.09		19.93	10.21		MW-01
MW-02							12.77		22.16	12.90		MW-02
MW-03							13.07		22.42	13.08	3	MW-03
MW-04							13.21		21.83	13.21	2	MW-04
MW-05							9.99		19.20	10.06	4	MW-05
MW-06							10.62		19.64	10.58	1	MW-06

* = Contains Product

OBSERVATIONS/COMMENTS:

WATER SAMPLING DATA

DATE:	11/1/07
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:	13.07
COLUMN LENGTH:	9.35
WELL VOLUME:	1.50
TOTAL VOLUME REMOVED:	7.50
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN, 40°S
SAMPLE DESCRIPTION:	CLEAR, SLIGHT ODOR
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1300

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:	10/1/07
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:	13.21
COLUMN LENGTH:	8.62
WELL VOLUME:	1.38
TOTAL VOLUME REMOVED:	7
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUNL 30°S
SAMPLE DESCRIPTION:	LIGHT BROWN, SLIGHT 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:	~~FB~~ 11/1/07
PROJECT:	FORMER KC KWIK STOP
CITY/STATE/ZIP:	BROOTEN MN
LOCATION:	MW-0 6
KEY NUMBER:	
CASING DIAMETER:	2-inch
WELL DEPTH:	19.64
DEPTH TO WATER:	10.62
COLUMN LENGTH:	9.02
WELL VOLUME:	1.44
TOTAL VOLUME REMOVED:	7.25
	POLY BAILER
	POLY BAILER
SAMPLE ANALYSIS:	BTEX/TPH-GRO
WEATHER CONDITIONS:	SUN, 30°S
SAMPLE DESCRIPTION:	LIGHT BROWN
REMARKS:	
SAMPLER:	sdh
SAMPLE COLLECTION TIME:	1117

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!