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Mr. Stephen Absolom
FFA Program Manager
BRAC Environmental Coordinator
ATTN: SIOSE-BEC
Building 123
Seneca Army Depot Activity
Romulus, New York 14541-5001

SUBJECT: **Ash Landfill Fourth Quarter 1996 Groundwater Monitoring**
Seneca Army Depot Activity, Romulus, New York

Dear Mr. Absolom:

The enclosed report summarizes the results of the 1996 Fourth Quarter groundwater monitoring at the Ash Landfill. The work for this quarter of groundwater sampling was performed in accordance with the requirements of Delivery Order 0006 of Contract DACA87-95-D-0031, Tasks 1-6.

Field Activities

Water level measurements were performed on 47 monitoring wells at the Ash Landfill. Groundwater samples were collected from 22 monitoring wells including the 3 farmhouse wells. All wells were sampled using the EPA Region II Low-Flow Groundwater Sampling Procedures. One field blank, one duplicate, and two trip blanks were submitted for QA/QC requirements.

Groundwater Elevation Data

Mean Sea Level (MSL) groundwater elevations were measured on January 6, 1997 and used to develop a groundwater isocontour map for the Ash Landfill as shown in **Figure 1**. The groundwater elevation measurements are summarized in **Table 1**. Based upon the measured groundwater elevations, the groundwater flow direction is to the west with a hydraulic gradient of approximately 0.02.

Groundwater Analytical Results

The groundwater samples were collected January 6-11, 1997 and shipped via chain-of-custody to Inchcape Testing Services. Fifteen monitoring wells were analyzed for Method 524.4 volatile organics and 7 monitoring wells were analyzed for TCL volatile organics. 19 wells were analyzed for the indicator compounds methane/ethane/ethene, chlorides, sulfates, ferrous iron (fe+2), dissolved organic carbon (DOC), specific conductivity, nitrate/nitrite, redox potential, dissolved oxygen, and total alkalinity. Additional QA/QC samples were sent to the MRD Laboratory for VOC analysis by Method 8260A. **Appendix A** contains all field data sheets. The analytical data was validated in accordance with NYSDEC Data Validation SOPs. All data was accepted based upon the validation results.

The farmhouse wells continue to show non-detectable levels of VOCs. Concentrations of VOCs in MW-56 remain stable with a slight reduction from 2 ppb to 1 ppb. MW-56 is the furthest downgradient well with detectable levels of VOCs. Wells showing a decrease in VOCs form the previous sampling are PT-18 (99.3%), MW-44 (99.6%), MW-46 (46%), and MW-56 (50%). The well showing an increase from the previous sampling is PT-12 (1,233%). Even though this well showed a significant increase from the previous sampling, historical concentrations have been as high as, or higher than, the most recently measured value (1,360 ug/l) in this well. Wells showing no significant change in VOC concentrations from the previous sampling are PT-21, PT-24 and MW-29. Wells that continue to have non-detectable levels from the previous sampling are PT-19, MW-27, MW-30, MW-36, MW-40, MW-45, MW-47, MW-48, MW-59 and MW-60. Perhaps the most significant results are the decreases in MW-44, MW-46 and PT-18. These wells are located within the most historically contaminated area of the VOC plume.

Metals data collected during this round showed the results of using a low-flow sampling method to minimize the effects of suspended particles on groundwater metals concentrations. The concentrations of cadmium, chromium, lead, manganese, and nickel were reduced to non-detectable levels with the exception of manganese in MW-44, MW-45 and PT-18. Even in this case, the concentrations of manganese were reduced from 7,120 ug/l to 626 ug/l in MW-44, from 1010 ug/l to 24.7 in MW-45, and from 752 ug/l to 374 ug/l in PT-18. The EPA and NYSDEC standard for manganese is 300 ug/l.

Tables 2 through 4 summarize the analytical results. **Appendix B** summarizes the historical analytical data for selected wells. **Appendix C** contains the laboratory analytical data and QA/QC summaries.

Various indicator parameters were measured to assess whether naturally occurring attenuation mechanisms, such as biodegradation may be occurring. The degradation of chlorinated compounds in groundwater have been shown to take place via anaerobic degradation pathways. Parameters such as dissolved oxygen, methane, ferrous iron, and sulfate taken together, allow for a general assessment of the potential for anaeorobic degradation processes and whether the conditions are favorable for this process.

Table 5 summarizes the indicator parameters measured for each well. Anaerobic bacteria generally cannot function at dissolved oxygen levels greater than 0.5 mg/l. Eleven of the 19 wells tested, showed concentrations of dissolved oxygen equal to, or less than 0.5 mg/l. This parameter was measured in the field to ensure accurate results. The redox potential is another parameter used to measure the potential for anaerobic processes to occur. In general, anaerobic biodegradation is more favorable when the redox is equal to, or less than 750 mg/l. All wells measured had a redox potential less than 500 mg/l , with MW-44 and PT-19 registering the lowest potentials. Nitrate and sulfate can be used as electron receptors for anaerobic biodegradation and the presence or absence of these compounds may help to determine the potential for, and occurrence of, this degradation pathway in the absence of oxygen. Detectable concentration of both sulfate and nitrate/nitrite-N were measured in all wells. The highest concentrations of sulfate were measured in MW-44 and PT-18 along with the lowest concentrations of nitrate/nitrite-N. This suggests that anaerobic degradation using nitrate as an electron receptor may be occurring and that sulfate levels are sufficiently high to act as an electron receptor after the depletion of oxygen and nitrate/nitrite-N. Methane in groundwater is indicative of strongly reducing conditions. Methane concentrations were very low in most wells with the exception of MW-44, PT-21, and PT-18. Ferrous iron may also be used as an electron receptor during anaerobic biodegradation. The majority of wells had non-detectable levels of

ferrous iron with the exception of MW-44, PT-12, PT-19 and MW-27. Dissolved organic carbon is also used as an indirect measure of microbial activity. DOC concentrations were highest in MW- 44 and PT-18. Ethane and Ethene are by-products of the biotransformation of chlorinated hydrocarbons under anaerobic conditions. PT-18 was the only well that had detectable concentrations of either ethene or ethane. Taken together, the indicator parameter measurements suggest that anaerobic degradation may be occurring in the areas of highest concentrations of VOCs in the contaminant plume and that, conditions are favorable for continued reduction of contaminant mass by this process over time.

If you have any questions regarding the enclosed, please call me at (617) 859-2492.

Sincerely,

PARSONS ENGINEERING SCIENCE, INC.

RM Kane for

Michael Duchesneau, P.E.
Project Manager

Enclosures (3)

cc: Ms. Laura Percifield, CEMRD (1)
Ms. Dorothty Richards/Mr. Kevin Healy, CEHNC (2)
Mr. Randall Battaglia, CENAN (1)
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GROUNDWATER MONITORING
VALIDATED ANALYTICAL RESULTS FOR THE FOURTH QUARTER 1996
ASH LANDFILL
SENECA ARMY DEPOT

PREPARED FOR:
U.S. Army Corps of Engineers
Hunstville, Alabama

PREPARED BY:

Parsons Engineering Science, Inc.
Boston, Massachusetts

February 1997

TABLES

Table 1

SENECA ARMY DEPOT ACTIVITY
1996 GROUNDWATER MONITORING PROGRAM
GROUNDWATER ELEVATION DATA
ASH LANDFILL

Monitoring Well	Elevation at Top of Riser (MSL)	First Quarter 1996			Second Quarter 1996			Third Quarter 1996			Fourth Quarter 1996		
		Date	Depth from Top of Riser (ft.)	Elevation of Water Level (ft.)	Date	Depth from Top of Riser (ft.)	Elevation of Water Level (ft.)	Date	Depth from Top of Riser (ft.)	Elevation of Water Level (ft.)	Date	Depth from Top of Riser (ft.)	Elevation Water Level
h Landfill													
-10	681.52	03/14/96	7.26	674.26	06/20/96	9.65	671.87	09/23/96	6.62	674.9	01/06/97	5.31	676.21
-11	658.22	03/14/96	4.44	653.78	06/20/96	6.54	651.68	09/23/96	6.15	652.07	01/06/97	4.19	654.03
-12	652.15	03/14/96	7.94	644.21	06/20/96	7.88	644.27	09/23/96	7.31	644.84	01/06/97	4.25	647.9
-15	637.76	03/14/96	5.73	632.03	06/20/96	7.7	630.06	09/23/96	8.04	629.72	01/06/97	5.05	632.71
-16	637.51	03/14/96	2.66	634.85	06/20/96	3.2	634.31	09/23/96	3.62	633.89	01/06/97	3.02	634.49
-17	640.14	03/14/96	5.04	635.1	06/20/96	6.36	633.78	09/23/96	4.99	635.15	01/06/97	4.7	635.44
-18	656.68	03/14/96	7.08	649.6	06/20/96	7.4	649.28	09/23/96	7.44	649.24	01/06/97	4.97	651.71
-19	645.26	03/14/96	2.62	642.64	06/20/96	6.27	638.99	09/23/96	6.34	638.92	01/06/97	3.18	642.08
-20	647.28	03/14/96	6.64	640.64	06/20/96	6.89	640.39	09/23/96	5.92	641.36	01/06/97	5.74	641.54
-21	647.73	03/14/96	8.16	639.57	06/20/96	8.47	639.26	09/23/96	7.02	640.71	01/06/97	6.09	641.64
-22	648.61	03/14/96	8.66	639.95	06/20/96	8.97	639.64	09/23/96	Not Measured	Not Measured	01/06/97	6.5	642.11
-23	641.58	03/14/96	4.17	637.41	06/20/96	6.15	635.43	09/23/96	5.11	636.47	01/06/97	3.44	638.14
-24	636.40	03/14/96	4.48	631.92	06/20/96	5.07	631.33	09/23/96	4.8	631.6	01/06/97	4.64	631.76
-25	637.09	03/14/96	4.04	633.05	06/20/96	6.54	630.55	09/23/96	6.16	630.93	01/06/97	3.96	633.13
-26	614.64	03/14/96	Not Measured	Not Measured	06/20/96	6.72	607.92	09/23/96	Not Measured	Not Measured	01/06/97	Not Measured	Not Measu
V-27	639.32	03/14/96	5.7	633.62	06/20/96	6.58	632.74	09/23/96	5.54	633.78	01/06/97	5.21	634.11
V-28	637.21	03/14/96	5.23	631.98	06/20/96	5.76	631.45	09/23/96	5.35	631.86	01/06/97	5.22	631.99
V-29	637.31	03/14/96	6.2	631.01	06/20/96	6.96	630.35	09/23/96	6.34	630.97	01/06/97	6.14	631.17
V-30	640.32	03/14/96	5.88	634.44	06/20/96	6.9	633.42	09/23/96	7.17	633.15	01/06/97	4.2	636.12
V-31	636.70	03/14/96	3.38	633.32	06/20/96	5.86	630.84	09/23/96	5.26	631.44	01/06/97	2.92	633.78
V-32	641.68	03/14/96	5.45	636.23	06/20/96	7.02	634.66	09/23/96	7.42	634.26	01/06/97	4.53	637.15
V-33	639.56	03/14/96	4.96	634.6	06/20/96	8.05	631.51	09/23/96	7.4	632.16	01/06/97	4.29	635.27
V-34	632.89	03/14/96	3.16	629.73	06/20/96	5.33	627.56	09/23/96	4.99	627.9	01/06/97	3.07	629.82
V-35D	631.82	03/14/96	2.38	629.44	06/20/96	5.33	626.49	09/23/96	Not Measured	Not Measured	01/06/97	Not Measured	Not Measu
V-36	631.79	03/14/96	2.32	629.47	06/20/96	3.00	628.79	09/23/96	3.30	628.49	01/06/97	3.30	628.49
V-37	632.89	03/14/96	2.24	630.65	06/20/96	3.4	629.49	09/23/96	4.34	628.55	01/06/97	2.48	630.41
V-38D	637.90	03/14/96	3.47	634.43	06/20/96	4.09	633.81	09/23/96	4.26	633.64	01/06/97	3.7	634.2
V-39	659.54	03/14/96	Frozen	Frozen	06/20/96	1.82	Frozen	09/23/96	2.16	657.38	01/06/97	2.06	657.48
V-40	659.30	03/14/96	3.81		06/20/96	6.2	653.1	09/23/96	4.78	654.52	01/06/97	3.64	655.66
V-41D	694.02	03/14/96	7	687.02	06/20/96	8.16	685.86	09/23/96	7.82	686.2	01/06/97	6.1	687.92
V-42D	683.04	03/14/96	3.53	679.51	06/20/96	5.54	677.5	09/23/96	4.79	678.25	01/06/97	4.79	678.25
V-43	657.73	03/14/96	Frozen	Frozen	06/20/96	3.03	654.7	09/23/96	3.16	654.57	01/06/97	2.9	654.83
V-44	653.85	03/14/96	8.93	644.92	06/20/96	8.05	645.8	09/23/96	9.66	644.19	01/06/97	3.74	650.11
V-45	650.90	03/14/96	Frozen	Frozen	06/20/96	3.47	647.43	09/23/96	3.23	647.67	01/06/97	2.94	647.96
V-46	650.41	03/14/96	5.72	644.69	06/20/96	5.75	644.66	09/23/96	5.94	644.47	01/06/97	3.72	646.69
V-47	628.06	03/14/96	Frozen	Frozen	06/20/96	3.6	624.46	09/23/96	4.34	623.72	01/06/97	2.88	625.18
V-48	648.32	03/14/96	Frozen	Frozen	06/20/96	4.77	643.55	09/23/96	3.72	644.6	01/06/97	3.26	645.06
V-49D	650.50	03/14/96	5.71	644.79	06/20/96	5.87	644.63	09/23/96	5.9	644.6	01/06/97	3.6	646.9
V-50D	649.88	03/14/96	5.78	644.1	06/20/96	6.2	643.68	09/23/96	5.71	644.17	01/06/97	3.6	646.28
V-51D	628.24	03/14/96	2.78	625.46	06/20/96	3.7	624.54	09/23/96	4.42	623.82	01/06/97	2.99	625.25
V-52D	626.35	03/14/96	Frozen	Frozen	06/20/96	3.66	622.69	09/23/96	4.03	622.32	01/06/97	2.38	623.97
V-53	639.41	03/14/96	6.98	632.43	06/20/96	8.28	631.13	09/23/96	7.02	632.39	01/06/97	6.6	632.81
V-54D	639.11	03/14/96	6.97	632.14	06/20/96	8.08	631.03	09/23/96	6.92	632.19	01/06/97	6.55	632.56
V-55D	639.16	03/14/96	6.88	632.28	06/20/96	7.91	631.25	09/23/96	6.78	632.38	01/06/97	6.34	632.82
V-56	630.51	03/14/96	Frozen	Frozen	06/20/96	3.01	627.5	09/23/96	3.2	627.31	01/06/97	3.09	627.42
V-57D	629.82	03/14/96	1.91	627.91	06/20/96	2.2	627.62	09/23/96	2.29	627.53	01/06/97	1.82	628
V-58D	629.69	03/14/96	2.25	627.44	06/20/96	2.09	627.6	09/23/96	2.06	627.63	01/06/97	1.51	628.18
V-59	656.83	03/14/96	Frozen	Frozen	06/20/96	1.91	654.92	09/23/96	2.69	654.14	01/06/97	2.1	654.73
V-60	660.15	03/14/96	Frozen	Frozen	06/20/96	2.58	Frozen	09/23/96	2.46	657.69	01/06/97	1.97	658.18

Table 2

Ash Landfill 1996 Fourth Quarter Groundwater Monitoring
Validated Volatile Organic Analytical Results (Method 524.2)

	SAMPLE ID	AL053	AL055	AL054	AL050	AL062	AL049	AL043
	WELL ID	BNS	FHD	FHS	MW27	MW30	MW36	MW40
	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	SAMPLE DATE	01/09/97	01/09/97	01/09/97	01/10/97	01/10/97	01/09/97	01/07/97
	SDG NO.	63438	63438	63438	63438	63438	63438	63438
COMPOUND	UNITS							
Dichlorodifluromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	ug/L	5 U	5 U	5 U	13	5 U	7	5 U
1,1-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2	0.5 U
Bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroctopane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-Pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3 - Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Isopropyltoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-Chloropropan	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 2

Ash Landfill 1996 Fourth Quarter Groundwater Monitoring
Validated Volatile Organic Analyses Results (Method 524.2)

	SAMPLE ID	AL047	AL056	AL048	AL057	AL041	AL042	AL045
	WELL ID	MW45	MW47	MW48	MW56	MW59	MW60	PT11
	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	SAMPLE DATE	01/08/97	01/09/97	01/08/97	01/09/97	01/07/97	01/07/97	01/08/97
	SDG NO.	63438	63438	63438	63438	63438	63438	63438
COMPOUND	UNITS							
Dichlorodifluromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	ug/L	5 U	5 U	5 U	5 U	5 U	0.5 U	7
1,1-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	1	0.5 U	0.5 U	0.5 U
2-Butanone	ug/L	5 U	5 U	5 U	5 U	5 U	0.5 UJ	5 U
2,2-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroctopane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-Pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U
cis-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9 R	0.5 U
trans-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U
1,3 - Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Isopropyltoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-Chloropropan	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 2

Ash Landfill 1996 Fourth Quarter Groundwater Monitoring
Validated Volatile Organic Analyses Results (Method 524.2)

	SAMPLE ID	AL046	AL040	AL044
	WELL ID	PT19	Trip Blank	Trip Blank
	MATRIX	WATER	WATER	WATER
	SAMPLE DATE	01/08/97	01/07/97	01/08/97
	SDG NO.	63438	63438	63438
COMPOUND	UNITS			
Dichlorodifluromethane	ug/L	0.5 U	0.5 U	0.5 U
Chloromethane	ug/L	0.5 U	0.5 U	0.5 U
Vinyl Chloride	ug/L	0.5 U	0.5 U	0.5 U
Bromomethane	ug/L	0.5 U	0.5 U	0.5 U
Chloroethane	ug/L	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U
Acetone	ug/L	4 J	5 U	5 U
1,1-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U
Carbon Disulfide	ug/L	0.5 U	0.5 U	0.5 U
Methylene Chloride	ug/L	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U
2-Butanone	ug/L	5 U	5 U	5 U
2,2-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U
Chloroform	ug/L	0.5 U	0.5 U	0.5 U
Bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	ug/L	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	ug/L	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U
Benzene	ug/L	0.5 U	0.5 U	0.5 U
Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U
1,2-Dichloroctopane	ug/L	0.5 U	0.5 U	0.5 U
Bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U
Dibromomethane	ug/L	0.5 U	0.5 U	0.5 U
4-Methyl-2-Pentanone	ug/L	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U
Toluene	ug/L	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U
2-Hexanone	ug/L	5 U	5 U	5 U
1,3 - Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U
Tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U
Dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	ug/L	0.5 U	0.5 U	0.5 U
Chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U
1,1,1,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U
Ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U
Xylene (total)	ug/L	0.5 U	0.5 U	0.5 U
Styrene	ug/L	0.5 U	0.5 U	0.5 U
Bromoform	ug/L	0.5 U	0.5 U	0.5 U
Isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/L	0.5 U	0.5 U	0.5 U
Bromobenzene	ug/L	0.5 U	0.5 U	0.5 U
n-Propylbenzene	ug/L	0.5 U	0.5 U	0.5 U
2-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U
4-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U
p-Isopropyltoluene	ug/L	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U
n-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-Chloropropan	ug/L	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	ug/L	0.5 U	0.5 U	0.5 U
Naphthalene	ug/L	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U

Data Qualifiers:

U Compound Not Detected At Instrument Detection Limit

J Concentration Estimated

R Data Rejected Because of QA/QC exceedences or Sample Contamination

Table 3

Ash Landfill 1996 Fourth Quarter Groundwater Monitoring
Validated TCL Volatile Organic Analyses Results

	WELL ID	MW-29	MW-44	MW-46	PT-12	PT-18	PT-21	PT-24	PT-24	Trip Bla
	SAMPLE ID	AL063	AL068	AL064	AL067	AL070	AL066	AL060	AL061	AL0
	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATE
	SAMPLE DATE	01/10/97	01/11/97	01/10/97	01/11/97	01/11/97	01/11/97	01/10/97	01/10/97	01/11/
	LAB ID	323729	323796	323737	323794	323799	323792	323792	323733	3237
	SDG NUMBER	63471	63471	63471	63471	63471	63471	63471	63471	634
									Duplicate	
COMPOUND	UNITS									
methane	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
methane	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
hloride	ug/L	10 U	***240***	10 U	18 U	10 U	10 U	10 U	10 U	
ethane	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
ene Chloride	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
e	ug/L	10 U	*26* U	10 U	46 U	*7* U	*18* U	10 U	10 U	
Disulfide	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
hloroethene	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
hloroethane	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
hloroethene (total)	ug/L	***130***	***560***	***84***	***790***	*6* J	***13***	***130***	***130***	
orm	ug/L	10 U	38 U	10 U	50 U	*3* U	10 U	10 U	10 U	
hloroethane	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
none	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
richloroethane	ug/L	1 J	*4* J	10 U	50 U	10 U	10 U	10 U	10 U	
Tetrachloride	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
lichloromethane	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
hloropropane	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
Dichloropropene	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
oethene	ug/L	***4*** J	***20*** J	***25***	***570***	***160***	*4* J	*6* J	*6* J	
ochloromethane	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
richloroethane	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
e	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
,3-Dichloropropene	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
orm	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
yl-2-Pentanone	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
none	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
loroethene	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
-Tetrachloroethane	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
e	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
benzene	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
nzene	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
e	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	
(total)	ug/L	10 U	38 U	10 U	50 U	10 U	10 U	10 U	10 U	

U - Compound not detected at instrument detection limit
J - Concentration estimated

Table 4

Ash Landfill 1996 Quarterly Groundwater Monitoring
Validated Selected Metals Analytical Results

WELL ID		MW-29	MW-44	MW-45	PT-18	MW-44	PT-24
ES ID		AL063	AL068	AL047	AL070	AL069	AL058
MATRIX		WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE		01/10/97	01/11/97	01/08/97	01/11/97	01/11/97	01/10/97
LAB ID		323735	323796	323557	323799	323798	323729
SDG NO.		93206	93206	63438	93206	93206	93206
						Duplicate	**Rinsate**
COMPOUND	**UNITS**						
Aluminimum	ug/l	NR	NR	NR	NR	NR	NR
Antimony	ug/l	NR	NR	NR	NR	NR	NR
Arsenic	ug/l	NR	NR	NR	NR	NR	NR
Barium	ug/l	NR	NR	NR	NR	NR	NR
Beryllium	ug/l	NR	NR	NR	NR	NR	NR
Cadmium	ug/l	.3 U	.3 U	.3 U	.3 U	.3 U	.3 U
Calcium	ug/l	NR	NR	NR	NR	NR	NR
Chromium	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
Cobalt	ug/l	NR	NR	NR	NR	NR	NR
Copper	ug/l	NR	NR	NR	NR	NR	NR
Iron	ug/l	NR	NR	NR	NR	NR	NR
Lead	ug/l	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Magnesium	ug/l	NR	NR	NR	NR	NR	NR
Manganese	ug/l	4.6 B	626	24.7	374	772	0.3 U
Mercury	ug/l	NR	NR	NR	NR	NR	NR
Nickel	ug/l	2.1 U	2.5 U	2.1 U	6.2 U	3.2 U	2.4 U
Potassium	ug/l	NR	NR	NR	NR	NR	NR
Selenium	ug/l	NR	NR	NR	NR	NR	NR
Silver	ug/l	NR	NR	NR	NR	NR	NR
Sodium	ug/l	NR	NR	NR	NR	NR	NR
Thallium	ug/l	NR	NR	NR	NR	NR	NR
Vanadium	ug/l	NR	NR	NR	NR	NR	NR
Zinc	ug/l	NR	NR	NR	NR	NR	NR
Cyanide	ug/l	NR	NR	NR	NR	NR	NR

NR - Not Requested
U - Not Detected at Instrument Detection Limit
J - Estimated Value

Table 5

Ash Landfill 1996 Fourth Quarter Groundwater Monitoring
Indicator Parameters

Well ID	Ethene (mg/l)	Ethane (mg/l)	Methane (mg/l)	Chloride (mg/l)	Spec. Cond. (umhos/cm)	Fe+2 (mg/l)	DOC (mg/l)
MW-27	<0.0005	<0.0005	0.002	19.4	672	0.17	1.9
MW-29	<0.0005	<0.0005	<0.0005	27.6	831	0.03	1.8
MW-30	<0.0005	<0.0005	0.0008	32.4	586	0.02	2.0
MW-36	<0.0005	<0.0005	0.0021	28.9	772	0	1.2
MW-40	<0.0005	<0.0005	0.0033	7.7	566	0.01	0.9
MW-44	<0.0005	<0.0005	0.172	253	1770	0.62	6.7
MW-45	<0.0005	<0.0005	0.0016	13.3	547	0	1.7
MW-46	<0.0005	<0.0005	0.0072	22	760	0.01	2.0
MW-47	<0.0005	<0.0005	0.0021	17.5	636	0.03	1.5
MW-48	<0.0005	<0.0005	0.002	12.4	547	0	2.3
MW-56	<0.0005	<0.0005	0.0026	14	633	0.01	1.2
MW-59	<0.0005	<0.0005	0.003	36.1	446	0	4.4
MW-60	<0.0005	<0.0005	0.031	18.5	653	0	1.9
PT-11	<0.0005	<0.0005	0.0025	23.3	1000	0	2.7
PT-12	<0.0005	<0.0005	0.0072	116	1630	0.14	2.4
PT-18	<0.025	<0.025	0.311	25.9	1175	0	5.4
PT-19	<0.0005	<0.0005	0.0059	34.8	691	0.26	2.4
PT-21	<0.0005	<0.0005	0.0123	119	1171	0.01	1.9
PT-24	<0.0005	<0.0005	<0.0005	29.4	810	0	1.6
PT-24 (DUP)	<0.0005	<0.0005	<0.0005	27.8	na	na	1.6

na - not analyzed

Table 5

Ash Landfill 1996 Fourth Quarter Groundwater Monitoring
Indicator Parameters

Well ID	Sulfate (mg/l)	Nitrate/Nitrite-N (mg/l)	Redox. Pot. (mV)	pH	DO (mg/l)	Tot. Alkalinity (mg/l CaCO3)
MW-27	44.3	0.03	287	7.03	3.33	318
MW-29	117	1.7	349	6.64	1.47	342
MW-30	47.7	0.07	345	6.82	6.04	266
MW-36	62.4	0.74	330	6.77	0.42	336
MW-40	56	0.05	309	7.12	1.67	249
MW-44	426	0.01	191	7.06	0.52	248
MW-45	32.4	0.04	234	6.79	0.4	250
MW-46	77.4	0.01	303	6.71	0.07	346
MW-47	44.1	0.57	325	6.72	0.53	276
MW-48	37.9	0.04	261	6.92	0.42	250
MW-56	53.4	0.56	328	6.71	0.17	276
MW-59	180	0.17	346	6.45	0.05	576
MW-60	40.3	0.01	317	6.81	0.21	310
PT-11	153	0.09	315	7.06	6.56	380
PT-12	427	0.12	401	6.51	0.98	396
PT-18	191	0.01	315	6.41	0.11	532
PT-19	37.5	0.04	150	6.62	0.45	280
PT-21	203	0.61	330	6.75	3.87	314
PT-24	118	1.3	359	6.62	1.22	332
PT-24 (DUP)	119	1.2	na	na	na	312

FIGURES

APPENDIX A

FIELD DATA

Ash Landfill Fourth Quarter 1996 Groundwater Monitoring Program

1. Field Data

2. Chain-of-Custody Forms

1. Field Data

(14)

SEAD - Fourth Ash Landfill

1-6-97 Quarterly Monitoring '96

0615	Leave Hubbardston
1215	Arrive Site Kerry Smith, Carl Wolfe
↓ 1240	Lunch
	Ash Landfill Water Levels

Time	Well #	Depth to H_2O	Comments
1409	MW-32	4.53	OK
	Cannot read Stamp		
1414	MW-19	3.18	Riser broken below Ground Level
1418	PT-11	4.19	No Lock
1421	MW-59	2.10	OK
1423	MW-60	1.97	OK
1430	MW-18	4.97	OK
1433	~~MW~~ PT-12	4.75	No Lock
1436	PT-21A	6.09	No Lock
1440	MW-22	6.50	OK
1443	PT-20	5.74	OK
1447	MW-30	4.20	OK
1450	PT-17	4.70	OK
1456	PT-23	3.94	OK
1458	MW-27	5.21	OK
1508	MW-37	2.48	OK
1514	MW-55D	6.34	Pad Split

(15)

1-6-97

Time	Well #	Depth to H_2O	Comments
1518	MW54D	6.55	OK
1520	MW53	6.60	Bad pressure cap
1529	PT-15	5.05	No Stamp
1535	MW33	4.29	OK - No Stamp
1538	MW-34	3.07	OK
1547	MW-42D	2.56	OK
1630	MW	2.50	OK
1633	MW-35	2.26	Pad Split
1639	MW-57D	1.82	OK
1642	MW-56	3.09	OK
1643	MW58D	1.51	OK
1700	Leave Site		

1-6-97

(16)

1-7-97 flurries

AM Weather - 22°F, windy, cloudy

0705 On Site - Kerry Smith, Carbondale
Stop @ engineering to check with
Tom Enroth about former ROW and
268 form renewals

0735 Instrument Calibration - Hydro Lab

Parameter	Standard	Reading Set to	Reading	
pH	7.00	7.00	—	—
	4.00	4.02	—	—
Spec Cond (mS/cm)	1.015	~~0.980~~ 1.019	1.015	1.015
Turbidity (NTU's)	0.0	0.0	0.0	0.0
	4.49	4.4	4.5	4.5
	40.0	39.0	40.0	40.0
Redox (mV)	20°/470	462	470	470
	20°/295	280	295	295
DO (mg/L)	9.87	9.87	—	—

PID - OVM-580

VOCs 100ppm — 100ppm 98.5

0800 Sample Trip Blank
Sample # A1040

(17)

1-7-97

0945 Setup @ PT-11
Static - 4.28 POW - 19.52
Column = 15.24' Volume 2.5 Gallons
Intake of pump @ 17.5'

1012 Start Pump
Draws down WL @ ~ 50 - 1/min
Drawdown well to 15.' and retain
Parameters @ PT-11

Time	Rate	Vol.	Temp	Cond.	DO	pH	Redox	Turb
1025	150 to 50	.40	5.78	1.009	7.33	7.08	308	3.7
1032	150	.75	6.23	.992	7.33	7.08	311	7.0
1038	200	1.0	7.02	1.003	7.30	7.10	311	7.8
1043	200	1.5	7.28	.998	7.32	7.07	312	21.4
1048	200	1.9	7.28	.998	6.95	7.06	313	29.0
1053	200	2.25	7.54	1.000	6.75	7.07	313	30.0

Intake @ 15.0' - slow rate to 75 ml/min

1101	75	2.4	6.72'	.991	6.56	7.06	315	26

W.L. still dropping - stop pump and
continue purge tomorrow

1105 Stop pump - total removed = 3 gal.

1121 Setup @ MW-59 Static = 2.10
POW = 9.99 Column = 7.89'
Volume = 1.3 gal Intake @ 8.0

(18)

1-7-97 Lunch 3/4 hr.

Parameters @ MW-59

12 40 Start pump

Time	Rate	Vol	Temp	pH	Cond	DO	Redox	Turb
			5.8	6.8	0.445	0.29	313	
1255	400	0.5	[illegible]		[illegible]		[illegible]	3.7
1301	400	1.2	5.89	6.65	0.446	0.16	330	1.5
1306	400	1.9	6.06	6.55	0.446	0.12	336	1.0
1315	400	2.7	6.01	6.44	0.447	0.08	344	0.9
1319	400	3.0	6.04	6.45	0.446	0.09	346	0.8

1255 - Drawn to 3.3', Recharge ok

1301 - Drawn to 3.26'

1330 Sample MW-59 #AL041

1335 Test for Fe^{2} - 0.00 mg/l

1340 Complete sampling

(19)

1-7-97

1400 - Start Setup @ MW-60

Static: 1.90' POW = 10.29

Column = 9.39 Vol = 1.36 gal.

Pump Intake @ Approx. = 8.0'

1420 - Start Pump

Time	Rate	Vol	Temp	pH	Cond	D.O.	Redox	Turb
1437	300	1.0	5.69	6.82	0.651	0.45	323	3.2
1444	300	1.3	5.87	6.81	0.652	0.38	320	3.0
1452	300	2.0	5.94	6.81	0.652	0.23	318	2.9
1455	300	2.3	5.92	6.81	0.653	0.21	317	2.7

1-7-97

MW-60 Cont'd

1430 200 ml/min DRAWN to 3.2'
1515 Sample MW-60 AL042
1520 Sample Fe^{2+} = 0.00 mg/L
1520 Setup @ MW-40
Static = 3.73 POW = 14.71
Column = 10.98 Vol = 1.8 Gallons
Intake @ 11 ft
1530 Start Pump (Show Stabil)

Time	Rate	Volume	Temp	Cond	DO	pH	Redox	Turb
1540	180	1.40	5.72	.567	2.40	7.14	304	2.2
1545	150	1.70	5.67	.566	2.16	7.14	310	2.2
1550	150	1.0	5.73	.566	1.75	7.13	301	1.9
1555	150	1.3	5.72	.566	1.79	7.13	309	2.10
1658	150	1.45	5.83	.566	1.74	7.13	308	1.9
1502	150	1.60	5.80	.565	1.72	7.12	309	1.9
1605	150	1.80	5.81	.566	1.67	7.12	309	1.9

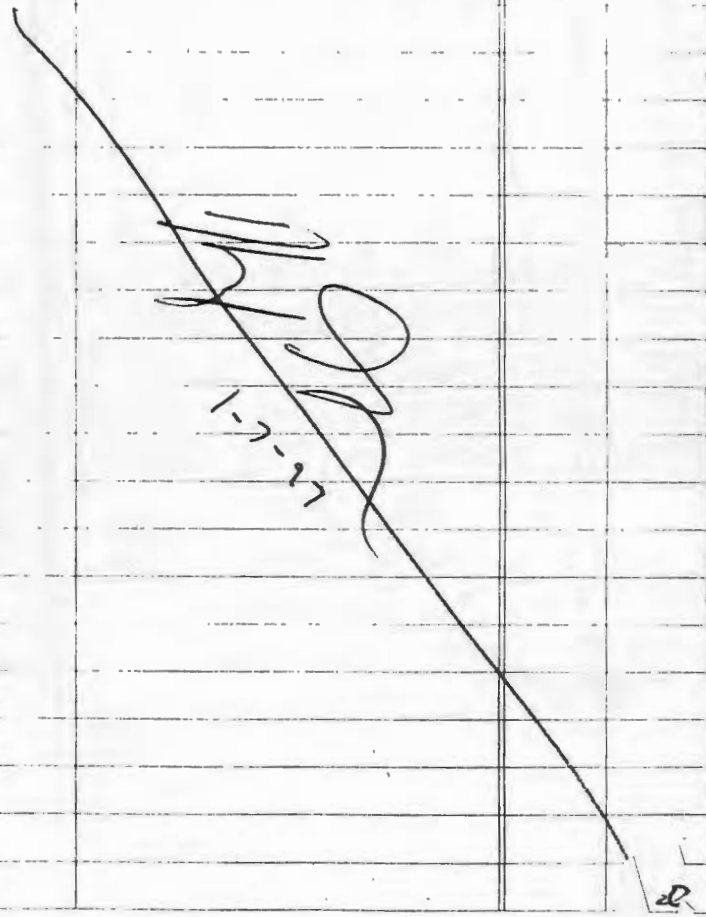
1600 Sample MW-40 AL043

Fe^{2+} = 0.01 mg/l

KKS 1-7-97

1-7-97

1640 Return to trailer
Pack Samples
1900 ~~1645~~ Leave Site - Buy Supplies
KKS



partly Cloudy (22)

1-8-97 AM Weather - 18°F - 15-25 mph wind

0715 On Site - Kerry Smith, Carl Wolfe

0720 Calibration H20 Hydrolab Reading

Parameter	Standard	Reading	Set to	Standard
pH	7.00	7.10	7.00	7.00
	4.00	3.98	4.00	4.00
Cond. (mS/cm)	1.015	1.016	—	—
Turbidity	0.01	2.8 9.5	0.01	0.02
(NTU's)	4.4	2.2	4.4	4.2
	40.0	78.1	40.0	40.4
Redox (mV)	(18°C) 472	480	472	472
	(18°C) 297	284	297	297
	(14.3°C), 452 Zobel Solution	474		
DO mg/L	(13.7°C) 10.40	10.54	10.40	10.39

0800 Trip Blank Bag AL044

OVM 100ppm 101.0 — —

0815 Set up to Sample PT-11

Static = 6.48

0930 Sample PT-11 # AL045

Pump 0.1 gallon prior to sampling

0945 Complete sampling

0940 $Fe^{2} = -0.04$ mg/L

KKS / 1-8-97

(23)

1-8-97

0950 Setup @ PT-19

Static = 3.47 POW = 11.37

Column = 7.9' Volume = 1.3 gal.

Compressor won't Start

1114 Try again to Start compressor - Failed.

1130 Deliver cooler with 4 Ash samples to 323.

Leave site to buy spade plugs

Lunch 1/2 hr

1300 Start pump @ ~~PT-19~~ PT-19

Riser is broken ~ 1 ft below G.S. allowing debris to enter well.

Water has particles + organic matter.

Time	Rate	Vol	Temp	Cond	DO	pH	Redox	Turb
1305	400	.75	6.39	.714	1.44	6.70	224	1.8
1310	400	1.3	6.45	.704	.95	6.66	183	0.0
1315	400	1.9	6.52	.700	.75	6.64	166	0.0
1320	440	2.6	6.56	.697	.60	6.63	156	0.0
1325	460	3.2	6.58	.694	.49	6.63	152	0.0
1328	460	3.6	6.54	.692	.49	6.62	151	0.0
1331	460	3.9	6.54	.691	.45	6.62	150	0.0

KKS 1-8-97

1-8-97

Fe^{2} = 0.26 mg/L

1345 Sample PT-19
AL046

1400 Set up @ MW-45
Static 2.96' POW 8.31'
Column = 5.38' Volume = .9 gal
Pump Intake @ 6.5'
Parameter MW-44

Time	Rate	Vol	Temp	Cond	DO	pH	Redox	Turb
1420	250	.3	4.70	.624	1.06	6.79	239	1.5
1425	250	.75	4.80	.629	.62	6.79	227	0.0
1430	250	1.2	4.87	.629	.53	6.79	228	0.0
1433	250	1.5	5.05	.629	.48	6.79	230	0.0
1438	250	1.75	4.96	.629	.42	6.80	232	0.0
1441	250	1.90	4.96	.628	.40	6.79	233	0.0
1444	250	2.2	4.99	.628	.40	6.79	234	0.0

1500 Sample MW-45
Sample # AL047
Fe^{2} = 0.00 mg/L

1-8-97

Ash Land fill analytes for 1st SDG
VOC - 524.2 (HCL) 3x 40 ml (4°C)
Select Metals - (MW-45 only) 1L HDPE
Fe2+(2) - On site analysis
Nitrate/Nitrite (H_2SO_4) 250 ml HDPE
Methane/Ethene/Ethane (4°C) 3x 40 ml
DOC (H_2SO_4) 2 x 40 ml
Filtered on-line 0.45 µm
Gelman Aqua Prep #4270 (Lot 9290)
Alkalinity/Sulfate/Chlorides (4°C) 1L HDPE

1510 Set up @ MW-48
Static 3.44' POW 11.50
Column = 8.06 1.3 gal
Pump Intake @ 8.0'

Time	Rate	Vol	Temp	Cond	DO	pH	Redox	Turb
1535	700	1.0	5.21	0.546	0.43	6.85	258	0.0
1538	700	1.8	5.26	0.547	0.41	6.86	259	0.0
1542	450	2.5	5.21	0.546	0.42	6.88	260	0.0
1545	450	3.0	5.17	0.547	0.42	6.90	261	0.0

(26)

1-8-97

1600 Sample MW-48 AL048
Sample had brown particles
Fe^{2} = 0.00 mg/L

1614 Set up @ MW-27
Static -5.48' POW 10.34
Column = 4.86 Volume = .8 gal
Pump Intake @ 9.0'

1625 Start Pump - very silty
W.L. dropping @ < 50 ml/min

Time	Rate	Vol	Temp	Cond	DO	pH	Redox	Turb
1636	<40	.45	3.42	.692	7.60	7.25	273	146
	W.L. below pump end dropping							
1641	<40	.55	3.64	.682	6.65	7.20	275	118
1646	<40	.70	3.32	.686	6.31	7.13	279	90
1649	<40	.85	3.34	.685	5.42	7.07	284	75.4
1652	<40	.95	4.43	.669	4.67	7.04	285	50.4
1657	<40	1.05	4.75	0.672	3.33	7.03	287	40
1703			Refill Cell - turbidity					
~~1700~~	100	1.20	4.63	.667	4.64	7.06	288	28

1705 Dry Well 1.25 gal removed
Sample tomorrow
Packe Samples - House keeping
1845 Leave Site

(27)

AM Weather 20°F, Calm wind
Cloudy

1-9-97

0700 On Site - Kerry Smith, Carl Uddo, Martin Miller (Syracuse)

0725 Calibrate Hydro Lab 420

Parameter	Standard	Reading	Set to	Reading
pH	7.00	7.00	—	—
	4.00	4.07	4.00	3.99
Cond. mS/cm	1.015	.995	1.015	1.016
Turbidity	0.0,1	0.0	0.1	0.1
NTU's	4.64	4.2	4.6	4.6
	40.5	40.6	40.5	40.5
Redox (mV)	(21°C) pH 7-293	292	—	—
	(22°C) pH 4-468	482	—	—

Calibration Standard for Redox:
3 grams of Quinhydrone / 500 ml Buffer
pH-4 (20°C) 470 (25°C) 462 (30°C) 454
pH-7 295 285 275
Allow 10-15 min stabilization

DO mg/L	(18.5°C) 9.5	9.15	9.5	9.45

0800 Rinsate for MW-36
Sample # AL049

1-9-97

MW-32 - Sample # AL050

0855 W.L. 6.41

0915 Sample AL050

Clear water until Nitrate/Nitrite and Alk / Sulf / Chlor (silty)

Fe^{2} = 0.17 mg/L

1030 CW + MM Setup @ MW-36

1130 Sample #'s MW AL051 - Matrix Spike

Fe^{2} = 0.00 mg/L AL052 - Dup

1015 KKS Setup @ BRN-5

1100 Sample # AL053

Sample with Bailer - no parameters

Fe^{2} = ~~0.00~~ mg/L 0.00 mg/L

1130 Sample FH-S # AL054

Ran pump for 20 min prior to sampling.

Fe^{2} = 0.01 mg/L

1200 Sample FH-D # AL055

Ran kitchen faucet for 15 min - Family had showered + done laundry

Fe^{2} = 0.00 mg/L

Water is effervescent - rotten egg odor - bubbles present in sample

KKS 1-9-97

PM Weather - 20's - Snow

1-4-97

Level

1300 Setup @ MW-47 Heavy silt on bottom of well.

Static = 3.18 POW = 8.56'

Column = 5.38 Volume = .9

Pump Intake @ 7.0

1325 Start Pump

Parameter for MW-47

Time	Rate	Volume	Temp	Cond	DO	Redox	pH	Turb
1335	450	1.25	4.97	.647	.62	333	6.69	100
1340	500	2.0	5.22	.644	.54	329	6.70	70
1345	500	2.75	5.33	.641	.53	326	6.71	50
1350	500-240	3.4	4.58	.635	.52	325	6.71	28
1355	240	3.6	4.98	.635	.54	324	6.73	26
1400	200	3.80	4.95	.636	.53	325	6.72	27.0

Sample MW-47 # AL056 Fe^{2} = 0.03 mg/L Heavy silt on bottom

1430 Setup @ MW-56 - bottom

1430 Static - 3.18' POW - 6.88'

Column = 3.70 Volume = .6 gallons

Intake @ 5.0'

1445 Start Pump

W.L. 81 Below Top of pump

KKS 1-9-97

MW47 Parameters @ MW-56

Time	Rate	Vol	Temp	Cond	DO	pH	Redox	Turb
1455	150	.35	2.59	.633	.35	6.66	324	50
1500	150	.60	3.45	.636	.23	6.68	329	45
1505	220	.85	3.68	.637	.19	6.69	328	30
1510	220	1.15	3.98	.635	.21	6.70	328	26
1515	220	1.40	3.47	.634	.23	6.70	329	26
1520	220	1.75	4.03	.633	.17	6.71	328	28.0

Note: MW47 + 56 should have the silt removed from the sump before sampling (Peristaltic Pump)

1545 Sample MW-56
Sample # AL057
~~Fe^{2+} = 0.01 mg/L~~
Return to trailer - pack
10 sets of samples - 2 coolers

1620 Leave Site

1-5-97

1-10-98

0700 On Site Kerry Smith / Martin Miller
Calibrate Hydro lab
Prep Bottles
0800 Trip Blank 524.2 # AL059
0830 Rinsate: VOC's (CLP)
* AL058 M/E/E/
(For Well PT-24) Select Metals
Alk / Sulf / Chlorides
Nitrate / Nitrite
Fe^{2+}
MRD VOC (CLP) } AL058
M/E/E }
VOC Trip Blk AL059
Calibration next page

1-10-97

Calibration Hydrolab

~~Parameter Reading~~

Parameter	Standard	Reading	Set to	Reading
pH	7.00	6.92	7.00	6.99
	4.0	4.04	4.00	4.00
Cond ms/cm	1.015	1.089	1.015	1.015
Turbidity (NTU's)	0.0	0.2		—
	4.84	4.9	4.8	
Redox (mV)	24°C pH 4 ~~400~~ 288	302	288	288

Sending sample to ITS to measure Redox

ITS 802 655 1203

DO (mg/L)	20°C 9.1 Air Calibration	8.93	9.10	9.10

0530 Setup @ PT-24

Static = 4.74 POW = 11.90

Column = 7.16 Vol = 1.2 gallons

Pump Intake @ 10.0'

1000 Start Pump

4.84' @ 475 ml/min

1-10-97

Parameter for PT-24

Time	Rate	Volume	Temp	Cond	DO	pH	Redox	Turb
1008	475	1.25	7.42	.814	1.42	6.61	358	0.49
1013	475	1.80	7.38	.813	1.34	6.62	358	0.4
1017	475	2.50	7.40	.812	1.30	6.62	359	0.4
1022	475	3.20	7.38	.811	1.24	6.62	359	0.3
1028	475	4.0	7.37	.810	1.22	6.62	359	0.3

1045 Sample PT-24 # AL060

VOC CLP Matrix Spike

M/E/E

DOC (Filtered)

N/N

A/S/C Fe^{2+} = 0.00 mg/L

1045 Sample PT-24 MRD # AL060 [illegible]

VOC CLP

M/E/E

1045 Sample PT-24 (Dup) # AL061

~~including Dup~~

Does not include Fe^{2+} or Metals

1100 Setup @ MW-30

Static 5.96' POW 10.52

Column = 4.56' Volume = .75

1-10-97

1115 Start Pump @ MW-30

Time	Rate	Vol	Temp	Cond	DO	pH	Redox	Turb
1135	420	1.75	4.11	.585	6.06	6.80	345	6.1
1138	420	2.10	4.13	.585	6.03	6.81	345	3.7
1141	420	2.5	4.16	.586	6.04	6.81	345	2.5
1144	420	2.80	4.16	.586	6.04	6.82	345	2.5

1200 Sample MW-30 AL062

VOC 524.2 +

regular suite - no Metals

Fe^{+2} = 0.02

1215 Lunch

Get ice - pickup @ 323

1340 Set up @ MW-29

Static 6.21 FOW 10.54

Column = 4.33' .7 gallons

Intake @ 7.8'

1410 Start Pump - silty

Top of pump above W.L.

1-10-97 B Parameter for MW-29

Time	Rate	Volume	Temp	Cond	DO	pH	Redox	Turb
1420	320	.75	6.95	.827	1.92	6.62	342	291
1425	240	1.4	6.78	.829	1.74	6.63	344	160
1430	150	1.6	6.62	.830	1.67	6.63	345	837
1435	160	1.7	6.71	.830	1.66	6.63	346	57.9
1440	130	2.0	6.61	.833	1.54	6.63	347	42.2
1445	130	2.3	6.63	.832	1.54	6.63	347	27.8
1450	220	2.3	6.54	.834	1.55	6.63	348	24.6
1457	220	2.75	7.00	.831	1.54	6.63	348	16.1
1507	220	3.25	7.01	.831	1.51	6.64	349	16.7
1510	220	3.70	6.99	.831	1.47	6.64	349	17.0

1500 Sample MW-29 # AL063

VOC - CLP DOC

M/E/E N/N

Metals - Select A/S/C

Fe^{+2} = 0.03

Setup @ MW46

Static 4.75 FOW = 11.45

Column = 6.7 Volume = 1.1 gal

Intake @ 10'

1-10-97

Parameter for MW-46

Time	Rate	Vol	Temp	Cond	pH	DO	Redox	Turb.
1600	450	1.0	6.28	.768	6.64	.22	321	11.8
1605	450	1.3	6.24	.768	6.70	.18	318	8.21
1610	420	2.2	6.37	.763	6.71	0.12	312	4.84
1615	440	2.5	6.42	.763	6.71	0.10	308	2.72
1620	450	3.25	6.42	.761	6.71	0.09	304	2.34
1623	450	3.5	6.43	.760	6.71	0.07	303	1.93

1625 Sample MW-46

Sample # AL064

Fe^{+2} = 0.01

Sample VOC CLP + Suite

No Metals

1645 Setup @ PT-21A

Static = 6.76 FOW = 20 40

Column = 13.64 Volume = 2.2 gallons

Pumping on moderate rate, typical drop of WL

@ 9.0' WL recovery rate < 60 ml

Pump well to 18.0'

Run parameter than

KES 1-10-97

1-10-97

Time	Rate	Volume	Temp	Cond	DO	pH	Redox	Turb
1710	40-500	1.5	8.71	1.041	2.20	7.28	365	4.08

1800 Packs today's samples

M M will deliver to Syracuse.

1835 M M leaves for Syracuse

1 cooler - ITS

1 cooler - MRD

Notes on ~~not~~ earlier events

Called ITS - no PM's available. Talked to sample management

(1) Some of our supplied bottles for N/N were not preserved. One bottle may of been shipped. ITS will check.

(2) - Sending Quinhydrone sample to be checked for Redox @ 20°C

(3) - Sending samples for Sat. arrival

(4) - Left out MW-30 (AL062) of 1st SDG

- Sending ITS a fax of lists and a revised COC

1-10-97 KES

10-97

1936 KKS Leaves Site

1-11-97

0650 Onsite - Kerry Smith / Martin Miller
Return 311 key to security.
They have no record of having it.

0712 Calibrate Hydrolab

Parameter		Standard	Reading	Set to	Ready
pH		7.00	7.12	7.0	7.0
		4.00	3.99	—	—
Cond (ms/cm)		1.015	1.012	1.015	1.015
Turbidity (NTU's)		0.1	0.0	0.1	0.1
		4.8	5.8	4.7	
Redox (mV)	20°C	pH-7 295 mV			
	20°C	pH-4 470	480	—	—
Zobel old Solution	17.5°C	0445	463	—	—
DO mg/L	15.5°C 10.1 mg/L	10.10	10.09	—	—

0800 Trip Blank Sample # AL065
VOC CLP

VOC's OVM-580 100 ppm - 97.8 ppm

0815 Setup on PT-21
static = 6.83

0825 Start Pump

Ambient - 14°F Cloudy
15 - 25 mph wind
1-11-97 Very Cold !!!
Parameter PT-21

Time	Rate	Vol	Temp	Cond	DO	pH	Redox	Turb
0832	170	.25	8.81	1.173	4.48	6.80	328	9.7
0838	170	.75	8.76	1.180	4.40	6.78	330	10.0
0843	170	1.0	8.53	1.180	4.19	6.77	331	8.3
	Removed 2 gallons 1-10-97							
0848	170	1.25	8.57	1.176	4.04	6.75	331	5.1
0851	170	1.4	7.57	1.173	3.99	6.75	330	3.78
0854	170	1.50	8.55	1.171	3.87	6.75	330	4.36
0900	Sample PT-21 AL066							
	No metals / VOC CLP							
	Fe^{2} = 0.01 mg/L							
0923	Setup @ PT-12A							
	VOC Hit in TOR							
	4.5 PPM							
	Static = 6.19' POW = 12.66							
	column = 6.47 Volume = 1 gallon							
	New Teflon Tubing							

Parameter PT-12

Time	Rate	Volume	Temp	Cond	DO	pH	Redox	Turb
0945	160	.25	5.08	1.70	3.72	6.59	380	2.0
0950	140	.5	4.62	1.72	3.36	6.59	410	2.0
1000	120	.85	4.93	1.69	2.70	6.57	426	2.58
1005	120	1.1	4.96	1.69	2.61	6.57	425	2.5
1008	120	1.20	5.15	1.69	2.37	6.57	424	
1011	120	1.30	5.40	1.69	2.18	6.56	424	1.13
1014	120	1.40	5.21	1.69	2.07	6.56	425	
1017	120	1.50	6.21	1.66	1.53	6.55	426	
1020	155	1.60	5.75	1.67	1.31	6.54	421	
1023	158	1.75	5.44	1.65	1.17	6.53	415	1.0
1026	150	1.85	5.33	1.63	1.05	6.51	406	
1029	150	1.95	5.35	1.63	.98	6.51	401	
1030	Sample PT-12 # AL067							
	No Metals VOC CLP							
	Fe^{2} = 0.14 mg/L							
	~~Fe^{2} Dup~~							
1050	Setup @ MW-44A							
	VOC's = 4.2 PPM TOR							
	Static = 4.59 POW 12.48							
	Column = 7.89 Volume 1.28 gal							
	Pump @ 9.0'							

1-11-97

Parameters for MW-44

Time	Rate	Vol	Temp	Cond	DO	pH	Redox	Turb
1110	240	.2	5.73	1.73	4.16	7.07	346	
1115	240	.5	5.57	1.73	3.72	7.12	347	3.76
1120	240	1.0	5.59	1.72	3.57	7.12	322	
1123	180	1.25	4.65	1.75	2.13	7.09	290	
1126	100	1.30	4.23	1.76	2.14	7.07	274	
1129	120	1.40	5.22	1.69	3.17	7.10	266	9.51
1134	120	1.50	5.55	1.72	2.39	7.11	260	
1139	120	1.60	5.02	1.75	1.41	7.09	242	1.81
1145	120	1.70	5.63	1.75	1.05	7.08	230	
1150	120	1.75	6.44	1.76	0.60	7.08	211	2.30
1153	140 220	1.80	5.98	1.77	0.55	7.07	201	2.0
1156	140	1.85	5.95	1.77	0.53	7.06	197	1.8
1159	140	1.55	5.86	1.77	0.52	7.06	191	

1205 Sample MW44A # AL068

Sample Metals (8)

1200 Fe^{2} = 0.62 mg/L

Dup = 0.67 mg/L

1220 Metals Dup AL069

1240 Setup on PT-18

Static 5.63 POW 11.70

Column = 5.87 1 gallon volume

Intake @ 9.0'

1350 Start Pump - Floating field particles

Parameters PT 18

Time	Rate	Vol	Temp	Cond	DO	pH	Redox	Turb
1303	380	.6	6.25	1.172	.57	6.38	303	5.0
1310	380	1.25	6.84	1.168	.52	6.40	309	18.0
1315	260	1.70	7.25	1.171	.24	6.41	309	7.1
1320	180	2.25	7.21	1.174	.13	6.41	312	5.0
1323	160	2.50	7.36	1.179	.12	6.41	313	4.0
1326	160	2.75	7.05	1.175	0.11	6.41	315	4.0

1345 Sample PT-18 = AL069/70

Metals

Fe^{2} = 0.00

Pack Samples

1500 MM leaves for Syracuse to Fed Ex + Taylor Rental KKS packs up equipment

2. Chain-of-Custody Forms

...RSONS
...RING-SCIENCE, INC.
Phone: 617-859-2000
Fax: 617-859-2043

CHAIN-OF-CUSTODY RECORD

JOB NO. 730766 01001
PROJECT SEAD 4th Quarterly Monitoring '96 - ...
CONTACT Mike Duchesneau

LABORATORY ITS
ADDRESS Colchester, VT
CONTACT Chris Oullette

NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	VOA 524.2	BNA/TCL/E	METALS	PEST/PCB	CN	HERB	TPH	DOC	Nitrate + Nitrite	Alk, Sulf + Chlorides	NO. OF CONTAINERS	COMMENTS (Special Instructions, ...)
...0		1-7-97	0800	-	Water	X										2	Trip Blank
...1		↓	1330	-	Water	X	X						X	X	X	10	
...2			1515	-	Water	X	X						X	X	X	10	
...43			1600	-	Water	X	X						X	X	X	10	
...45		1-8-97	0930	-	Water	X	X						X	X	X	10	

KKS

	VOA 524.2	BNA/TCL/E	METALS	PEST/PCB	CN	HERB	TPH	DOC	Nitrate + Nitrite	Alk, Sulf + Chlorides
VOA Vial	X	X						X		
Glass Bottle										
Plastic Bottle									X	X
Preservative	A C	A						A E	A E	A
Container Volume	40 ml	40 ml						40 ml	250 ml	1 L

Relinquished by
...ry Smith
...s Engineering Science
...97 Time 1200

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...by
Time

Received by
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Date Time

...amples tampered with? ☐ No ☐ Yes
...ain in remarks.

PRESERVATION KEY: A - Ice; B - Filtered; C - Acidified with HCl; D - Acidified with HNO_3; E - Acidified with H_2SO_4; F - NaOH + Ascorbic; G - Other

REMARKS: (Sampl... nonstandard sampl...
Keep Cooler...
Start SDG

Cooler #:

...C1 White - return with data Yellow - lab copy Pink - Sampler copy

CHAIN-OF-CUSTODY RECORD

PAGE 1 OF 1

[illegible]SONS
[illegible]RING-SCIENCE, INC.
Phone: 617-859-2000
Fax: 617-859-2043

JOB NO. 730769-01001
PROJECT SEAD 4th Quarterly Monitoring '96 - [illegible]
CONTACT M. Duchesneau

LABORATORY ITS
ADDRESS Colchester VT
CONTACT Chris Oullette

NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	VOA	SVOC	METALS (5)	PEST/PCB	CN	HERB	TPH	DOC	Nitrate Nitrite	Alk, Sulfate Chloride	NO. OF CONTAINERS	COMMENTS (Special instructions, c[illegible])
	~~KES~~	~~1-8-97~~	~~0800~~		~~Water~~												
		↓	1345		↓								X	X	X	4	
		↓	1500		↓			X					X	X	X	5	
		↓	1600		↓								X	X	X	4	
		1-7-97	0800		↓								~~X~~	~~X~~	~~X~~	~~4~~	Revised 1-13-9[illegible]
		↓	0915		↓								X	X	X	4	
[illegible]1		↓	1130		↓								X	X	X	4	Revised 1-10[illegible]
[illegible]2		↓	1130		↓								~~X~~	~~X~~	~~X~~	~~4~~	~~Faxed to Chris~~
[illegible]3		↓	1100		↓								~~X~~	~~X~~	~~X~~	~~4~~	Revised 1-1[illegible]
		↓	1130		↓								~~X~~	~~X~~	~~X~~	~~4~~	
		↓	1200		↓								~~X~~	~~X~~	~~X~~	~~4~~	
		↓	1400		↓								X	X	X	4	
		↓	1545		↓								X	X	X	4	

(VOA through TPH columns crossed out, initialed KES)

	VOA	SVOC	METALS	PEST/PCB	CN	HERB	TPH	DOC	Nitrate Nitrite	Alk, Sulfate Chloride
VOA Vial								X		
Glass Bottle										
Plastic Bottle			X						X	X
Preservative			A					A E	A E	A
Container Volume			1 L					40 mL	500 ml	1 L

Relinquished by
Sign [signature]
Print [illegible]y Smith
Firm [illegible]ons Engineering Science
Date [illegible]-97 Time 1800

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Time

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[illegible]amples tampered with? ☐ No ☐ Yes
[illegible]ain in remarks.

PRESERVATION KEY: A - Ice; B - Filtered; C - Acidified with HCl; D - Acidified with HNO_3; E - Acidified with H_2SO_4; F - NaOH + Ascorbic; G - Other

REMARKS: (Sampl[illegible] nonstandard sampl[illegible])
Keep Cool[illegible]
ALO57 ~~K[illegible]~~
~~sample~~ in [illegible]
Deleted 1-[illegible]

Cooler #:

35.00

CHAIN-OF-CUSTODY RECORD

PAGE 1 OF 1

SONS
ING-SCIENCE, INC.
Phone: 617-859-2000
99 Fax: 617-859-2043

JOB NO. 730769-01001
PROJECT SEAD 4th Quarterly Monitoring
CONTACT MIKE Duchesneau

LABORATORY ITS
ADDRESS Colchester, VT
CONTACT Claris Oullette

NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSES: VOA SEMI	PEST/PCB	CN	HERB	TPH	NO. OF CONTAINERS	COMMENT (Special instructions, c
		1-8-97	0800		Water	X					3	Trip Blank
			1345			X	X				6	
			1500			X	X				6	
			1600			X	X				6	
		1-9-97	0800			X	[illegible]				6	Rinse Blank
			0915			X	X				6	
			1130			X	X				12	Matrix Spike VOC
			1130			X	[illegible]			X	3	
			1100			X	X				3	Cancel Methane /
			1130			X	X				3	
			1200			X	X				3	
			1400			X	X				6	
			1545			X	X				6	

	VOA Vial	Glass Bottle	Plastic Bottle	Preservative	Container Volume
	X	X		A	40 ml
				A	40 ml
				C	

PRESERVATION KEY: A - Ice; B - Filtered; C - Acidified with HCl; D - Acidified with HNO_3; E - Acidified with H_2SO_4; F - NaOH + Ascorbic; G - Other

Relinquished by
[illegible] Smith
[illegible]'s Engineering Science
97 Time 1800

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Time

mples tampered with? ☐ No ☐ Yes
in in remarks.

REMARKS: (Sampl
nonstandard sample
Keep Cool

Cooler #:

C1 White - return with data Yellow - lab copy Pink - Sampler copy

CHAIN-OF-CUSTODY RECORD

…SONS
…RING-SCIENCE, INC.
Phone: 617-859-2000
Fax: 617-859-2043

JOB NO. 730769-01001
PROJECT SEAD 4th Quarterly Monitoring '96 - Ash Landfill
CONTACT M. Duchesneau

LABORATORY ITS
ADDRESS Colchester, VT
CONTACT Chris Oulette

NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	VOA-524.2	M/E/E	METALS	PEST/PCB	CN	HERB	TPH	DOC	Nitrate Nitrite	Alk, Sulf, Chloride	NO. OF CONTAINERS	COMMENTS (Special instructions, c…
		1-10-97	1200		water	X	X						X	X	X	10	VOC 524.2

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Sign: [signature]	Sign
Print: …y Smith	Print
Firm: …Engineering Science	Firm
Date: …96 Time 1800	Date Time

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	Firm
Time	Date Time

…amples tampered with? ☐ No ☐ Yes
…ain in remarks.

	VOA-524.2	M/E/E	METALS	PEST/PCB	CN	HERB	TPH	DOC	Nitrate Nitrite	Alk, Sulf, Chloride
VOA Vial	X	X						X		
Glass Bottle										
Plastic Bottle									X	X
Preservative	A C	A						A E	A E	A
Container Volume	40 ml	40 ml						40 ml	500 ml	1 L

PRESERVATION KEY:
A - Ice
B - Filtered
C - Acidified with HCl
D - Acidified with HNO_3
E - Acidified with H_2SO_4
F - NaOH + Ascorbic
G - Other

REMARKS: (Samp… nonstandard sampl…
Last sample in … SDG - delete … in 1-9-97 C.O… AL057 not les…
Keep Co…

Cooler #:

KMS 1-15-97

…DC1 White - return with data Yellow - lab copy Pink - Sampler copy

CHAIN-OF-CUSTODY RECORD

PAGE 2 OF

ISONS
RING-SCIENCE, INC.
Phone: 617-859-2000
199 Fax: 617-859-2043

JOB NO. 730769-01001
PROJECT SEAD Quarterly Monitoring '96-Ash
CONTACT M. Duclosneau

LABORATORY ITS
ADDRESS Colchester VT
CONTACT Chris Ouellette

NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSES: VOA	SVOC	METALS	PEST/PCB	CN	HERB	TPH	Redox 200c	NO. OF CONTAINERS	COMMENT (Special Instructions, c
one - 3 grams		1-10-96	0800		water									1	Field instrumen
7 Buffer (~500 ml)															solution chec

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y Smith
ns Engineering Science
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amples tampered with? ☐ No ☐ Yes
ain in remarks.

VOA Vial	
Glass Bottle	
Plastic Bottle	X
Preservative	A
Container Volume	1 L

PRESERVATION KEY:
A - Ice
B - Filtered
C - Acidified with HCl
D - Acidified with HNO_3
E - Acidified with H_2SO_4
F - NaOH + Ascorbic
G - Other

REMARKS: (Sampl
nonstandard sample
Please measure
in mV at
Please fax re
Bob Kane
617-859-2

Cooler #:

C1 White - return with data Yellow - lab copy Pink - Sampler copy

CHAIN-OF-CUSTODY RECORD

...SONS
...RING-SCIENCE, INC.
Phone: 617-859-2000
Fax: 617-859-2043

JOB NO. 730769-01001
PROJECT SEAD 4th Quarterly Monitoring '96-Ash
CONTACT M. Duchesneau

LABORATORY ITS
ADDRESS Colchester VT
CONTACT Chris Oullette

NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	VOA 524.2	VOA CLP	METALS	PEST/PCB	CN	HERB	M/E/E	DOC	Nitrate Nitrite	Alk, Sulf, Chloride	NO. OF CONTAINERS	"COMMENTS" (Special instructions, c...
...1		1-10-97	0800		water	X										2	Trip Blank
...8		↓	0830		↓		X	X				X	X	X	X	11	Rinse Blank
...0			1045				X					X	X	X	X	16	VOC Matrix SP
...1			1045				X					X	X	X	X	10	
...3			1500				X	X				X	X	X	X	11	
...4		↓	1645		↓		X					X	X	X	X	10	

KS

	VOA 524.2	VOA CLP	METALS	PEST/PCB	CN	HERB	M/E/E	DOC	Nitrate Nitrite	Alk, Sulf, Chloride
VOA Vial	X	X					X	X		
Glass Bottle										
Plastic Bottle			X						X	X
Preservative	A	A	A				A	A	A	A
Container Volume	40 ml	40 ml	1 L				40 ml	40 ml	500 ml	1 L

PRESERVATION KEY: A - Ice; B - Filtered; C - Acidified with HCl; D - Acidified with HNO_3; E - Acidified with H_2SO_4; F - NaOH + Ascorbic; G - Other

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Date Time

...amples tampered with? ☐ No ☐ Yes
...ain in remarks.

REMARKS: (Samp... nonstandard sampl...
Start new...

Cooler #:

...C1 White - return with data Yellow - lab copy Pink - Sampler copy

CHAIN-OF-CUSTODY RECORD

PAGE 1 OF 1

ISONS
RING-SCIENCE, INC.
Phone: 617-859-2000
199 Fax: 617-859-2043

JOB NO. 730769-01001
PROJECT SEAD-4th Quarterly Monitoring '96
CONTACT Mike Duchesneau

LABORATORY MRD
ADDRESS Omaha, NB
CONTACT Sample Custodian

NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSES VOA CLP	SVOC	METALS	PEST/PCB	CN	HERB	TPH	H/E/E	NO. OF CONTAINERS	COMMENT (Special Instructions, c
-MRD		1-10-97	0830		water	X							X	6	
-MRD		1-10-97	1045		water	X							X	6	
-MRD		1-10-97	0800		water	X								3	Trip Blank

KKS

KKS

KKS

	VOA Vial	Glass Bottle	Plastic Bottle	Preservative	Container Volume
	X			A C	40 ml
	X			A	40 ml

PRESERVATION KEY: A - Ice; B - Filtered; C - Acidified with HCl; D - Acidified with HNO_3; E - Acidified with H_2SO_4; F - NaOH + Ascorbic; G - Other

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Date 1-97 Time 1830

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Date Time

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Time

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mples tampered with? ☐ No ☐ Yes
ain in remarks.

REMARKS: (Samp
nonstandard sampl
LIMS #
4363

Cooler #:

C1 White - return with data Yellow - lab copy Pink - Sampler copy

CHAIN-OF-CUSTODY RECORD

...ONS
...G-SCIENCE, INC.
Phone: 617-859-2000
Fax: 617-859-2043

JOB NO. 730769-01001
PROJECT SEAD-4th Quarterly Monitoring '96 - Ash Landfill
CONTACT M. Duchesneau

LABORATORY ITS
ADDRESS Colchester VT
CONTACT Chris Ollette

LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	VOA CLP	[illegible]	METALS	PEST/PCB	CN	HERB.	TPH	DOC	Nitrate Nitrite	Alk/Sulfate Chloride	NO. OF CONTAINERS	COMMENTS (Special instructions, caut...
	1-11-97	0800	—	water	X										3	Trip Blank
	↓	0900		↓	X	X						X	X	X	10	
		1030 (~~1200~~ KS)			X	X	~~X~~ KS					X	X	X	10 (~~11~~ KS)	Delete metals - 1/14/97
		1200			X	X	X					X	X	X	11	
		1220					X								1	
	↓	1345 (~~1315~~ KS)		↓	X	X	X					X	X	X	11	

KKS

	VOA CLP	[illegible]	METALS	PEST/PCB	CN	HERB.	TPH	DOC	Nitrate Nitrite	Alk/Sulfate Chloride
VOA Vial	X	X						X		
Glass Bottle										
Plastic Bottle			X						X	X
Preservative	A C	A	A					A E	A E	A
Container Volume	40 ml	40 ml	1 L					40 ml	500 ml	1 L

PRESERVATION KEY: A - Ice; B - Filtered; C - Acidified with HCl; D - Acidified with HNO_3; E - Acidified with H_2SO_4; F - NaOH + Ascorbic; G - Other

...elinquished by
[signature]
... Smith (?)
...s Engineering Science
Date 1-11-97
Time

Received by
Sign
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Date Time

Received by
Sign
Print
Firm
Date Time

...ples tampered with? ☐ No ☐ Yes
...n in remarks.

REMARKS: (Sample ... nonstandard sample ...
Keep Cool...
VOC's = NYSD...
This complete...
2nd SDG f...
Ash Landfill

Cooler #:

White - return with data Yellow - lab copy Pink - Sampler copy

APPENDIX B

1. Historical Data Summary Tables

PT-11
Ash Landfill

Parameters	Source: Units	Galson Oct 1987	Galson Mar 1989	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	PES Jan 1993 1	Apri
LATILE ORGANICS		624		624	624	624	624	624	624	624	624	624	624	624	624	NYSCLP	NY
hane	µg/L	ND	-	ND	ND	ND	270	ND	17	ND	3.19	ND	ND	ND	ND	ND	
hane	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
oride	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ne	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloride	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
roethene	µg/L	ND	-	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
roethane	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n	µg/L	ND	-	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	
roethane	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hloroethane	µg/L	ND	-	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	
trachloride	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
loromethane	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ropropane	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
chloropropene	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
thene	µg/L	ND	-	ND	ND	ND	ND	ND	1	ND	2.66	ND	ND	ND	ND	ND	
loromethane	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hloroethane	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dichloropropene	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
oethene	µg/L	ND	-	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	ND	
trachloroethane	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
zene	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ne	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hylvinyl Ether	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
robenzene	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
robenzene	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
robenzene	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
roethene (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
,2-Dichloroethene	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
uoromethane	µg/L	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
sulfide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pentanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
tal)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
tile Organics	µg/L	0	0	1.5	0	0	270	2	24	0	5.85	0	0	0	0	0	

PT-11
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
VOLATILE ORGANICS		NYSCLP	NYSCLP	NYSCLP				524.2	524.2	524.2	524.2	524.2	524.2	524.2
Chloromethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Bromomethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Chloroethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Chloroform	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dirchloropropene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Benzene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Bromoform	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Acetone	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	7
Carbon Disulfide	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2 Pentanone	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Styrene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organics	µg/L	0	0	0	0	0	0	0	0	0	0	0	0	0

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Ash Landfill

Parameters	Source: Units	Galson Oct 1987	Galson Mar 1989	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	PES Jan 1993 1	Apri
METALS																	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.7	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	ND	ND	-	ND	-	0.04	-	ND	-	ND	-	ND	-	-	0.0024	
	mg/L	0.08	0.095	-	2.1	-	3	-	0.083	-	0.23	-	0.271	-	-	0.333	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0013	
	mg/L	ND	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	334	
	mg/L	ND	ND	-	0.016	-	0.25	-	ND	-	ND	-	ND	-	-	0.0161	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0372	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0403	
	mg/L	ND	ND	-	140	-	270	-	1.68	-	12.8	-	15.8	-	-	17.8	
	mg/L	ND	ND	-	0.05	-	0.06	-	ND	-	ND	-	ND	-	-	0.0177	
n	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69.2	
:	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.18	
	mg/L	ND	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	0.00015	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0355	
	mg/L	2.63	2.1	-	20	-	26	-	2.48	-	4.47	-	4.7	-	-	5.27	
	mg/L	ND	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	ND	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	59	46	-	54	-	30	-	38	-	39.8	-	37.1	-	-	46.6	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0156	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.136	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
MISCELLANEOUS																	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
on	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ential	mV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(total)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
nic Halogens/Halides (TOX)	mg/L	33	0.01	-	10.3	-	-	0.028	0.011	-	0.032	-	ND	-	-	ND	
	mg/L	49	46	-	40	-	48.2	-	41.4	-	42	-	35.4	-	-	40	
ty (field)	µmhos/cm	1200	770	490	740	1200	720	840	710	1112	1000	1110	1000	1010	-	700	
ty (lab)	µmhos/cm	-	-	-	-	-	-	-	870	-	-	-	918	-	-	1090	
rogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
rite Nitrogen	mg/L	0.1	0.12	-	0.34	-	0.27	-	0.22	-	0.5	-	ND	-	-	0.4	
N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	
	std. units	7.2	7.8	-	7.4	-	7.4	-	7.2	-	7.6	-	7.3	-	-	7.4	
	std. units	8.1	-	6.5	7.22	7.22	7.4	6.4	8.63	6.34	6.3	7.4	6.96	7.18	-	7.38	
	mg/L	160	190	-	170	-	68	-	204	-	143.4	-	169	-	-	281	
nic Carbon (TOC)	mg/L	2.7	4.4	-	52	-	17	-	16.1	-	9.4	-	7	-	-	3.2	
re (field)	Celcius	-	-	9	8	14	14	8	7	11	13	7	8	10	-	6.8	
tric Turbidity Units	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	>200	

PT-11
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
METALS														
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS														
Ethene	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Ethane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0025
CO2	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
DOC	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	2.7
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	315
Alkalinity (total)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	380
Total Organic Halogens/Halides (TOX)	mg/L	0.05	0.04	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	47	33	-	-	-	-	-	-	-	-	-	-	23.3
Conductivity (field)	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-
Conductivity (lab)	µmhos/cm	840	910	-	-	-	-	-	-	-	-	-	-	1000
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate/Nitrite Nitrogen	mg/L	0.39	0.27	-	-	-	-	-	-	-	-	-	-	0.09
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
pH (Lab)	std. units	7.34	7.36	-	-	-	-	-	-	-	-	-	-	7.06
pH (field)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	47	170	-	-	-	-	-	-	-	-	-	-	153
Total Organic Carbon (TOC)	mg/L	3	2	-	-	-	-	-	-	-	-	-	-	-
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	-
Nephelometric Turbidity Units	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-

PT-12
Ash Landfill

Parameters	Source: Units	Galson Aug 1987	Galson Oct 1987	Galson Mar 1989	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	Apr
VOLATILE ORGANICS					624	624	624	624	624	624	624	624	624	624	624	624	NYSCLP	NY
nethane	µg/L	ND	ND	-	ND	ND	ND	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	
nethane	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloride	µg/L	ND	ND	-	7	ND	ND	140	ND	ND	35	160	1.5	14	ND	ND	9	
ethane	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	
ene Chloride	µg/L	ND	ND	-	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	
hloroethene	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	7.15	ND	ND	ND	6	ND	
hloroethane	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
form	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hloroethane	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
richloroethane	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloride	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ichloromethane	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hloropropane	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dirchloropropene	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
roethene	µg/L	1700	94	-	129	100	790	3100	870	130	2100	1350	170	323	119	1800	260	
ochloromethane	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
richloroethane	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
e	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3-Dichloropropene	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
form	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
loroethene	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
-Tetrachloroethane	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
e	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
benzene	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
nzene	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
oethylvinyl Ether	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
hlorobenzene	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
hlorobenzene	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
hlorobenzene	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
hloroethene (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	320	
1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2800	-	
s-1,2-Dichloroethene	µg/L	ND	95	-	ND	ND	ND	ND	ND	1	51	63	2.7	5.8	ND	54	-	
rofluoromethane	µg/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
e	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
Disulfide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
yl-2 Pentanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
none	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
(total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
olatile Organics	µg/L	1700	189	0	136	100	790	3291	870	133	2216	1580.15	174.2	342.8	119	4660	589	

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Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
VOLATILE ORGANICS		NYSCLP	NYSCLP											
Chloromethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Bromomethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Vinyl Chloride	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Chloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Methylene Chloride	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,1-Dichloroethene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,1-Dichloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Chloroform	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,2-Dichloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,1,1-Trichloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Carbon Tetrachloride	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Bromodichloromethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,2-Dichloropropane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
cis-1,3-Dirchloropropene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Trichloroethene	µg/L	95	58	-	-	-	-	-	-	-	-	-	-	570
Dibromochloromethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,1,2-Trichloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Benzene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
trans-1,3-Dichloropropene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Bromoform	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Tetrachloroethene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Toluene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Chlorobenzene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Ethylbenzene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
2-Chloroethylvinyl Ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	µg/L	81	44	-	-	-	-	-	-	-	-	-	-	790
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Carbon Disulfide	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
4-Methyl-2 Pentanone	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
2-Hexanone	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Styrene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Xylene (total)	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Total Volatile Organics	µg/L	176	102	0	0	0	0	0	0	0	0	0	0	1360

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Ash Landfill

Parameters	Source: Units	Galson Aug 1987	Galson Oct 1987	Galson Mar 1989	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	Apri
METALS																		
um	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.15	
ny	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	ND	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	0.05	0.031	-	ND	-	ND	-	0.04	-	0.073	-	0.142	-	-	0.1	
m	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00064	
m	mg/L	-	ND	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	264	
um	mg/L	-	ND	ND	-	0.01	-	ND	-	ND	-	ND	-	ND	-	-	0.0067	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0088	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0127	
	mg/L	-	ND	ND	-	4.5	-	7.8	-	2.03	-	3.76	-	20.3	-	-	8.57	
	mg/L	-	ND	0.12	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	0.0094	
ium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	
ese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	
y	mg/L	-	ND	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0148	
m	mg/L	-	2.58	1.8	-	ND	-	5.9	-	2.39	-	3.26	-	4.83	-	-	2.18	
n	mg/L	-	ND	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	ND	ND	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	100	45	-	37	-	160	-	15.8	-	129	-	47.4	-	-	24.2	
n	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
m	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0065	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.133	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
MISCELLANEOUS																		
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ty (total)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
rganic Halogens/Halides (TOX)	mg/L	2.08	180	0.085	-	0.15	-	-	0.87	0.6	-	1.722	-	0.27	-	-	0.31	
e	mg/L	-	158	40	-	36	-	202	-	13.8	-	264	-	19.1	-	-	13.9	
ivity (field)	µmhos/cm	-	1300	1400	520	460	2700	2500	860	630	2220	2210	1080	1635	970	-	925	
ivity (lab)	µmhos/cm	-	-	-	-	-	-	-	-	-	-	2250	-	1025	-	-	938	
Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.008	
Nitrite Nitrogen	mg/L	-	0.33	1.4	-	0.44	-	0.21	-	0.32	-	0.24	-	0.52	-	-	0.01	
as N - Calculated	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
)	std. units	-	7	7.8	-	7.1	-	7	-	7	-	7	-	7.2	-	-	7.16	
d)	std. units	-	7	-	6.75	6.75	6.84	7.05	6.25	7.44	6.32	6.3	7.01	6.66	7.06	-	6.87	
	mg/L	-	289	300	-	250	-	388	-	159.5	-	337.5	-	263	-	-	210	
rganic Carbon (TOC)	mg/L	-	2.9	2.4	-	33	-	7	-	9.8	-	8.1	-	2	-	-	3	
ature (field)	Celcius	-	-	-	8	5	15	14	8	7	12	15	10	6	12	-	7	
y	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	

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Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
VOLATILE ORGANICS		NYSCLP	NYSCLP											
Chloromethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Bromomethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Vinyl Chloride	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Chloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Methylene Chloride	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,1-Dichloroethene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,1-Dichloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Chloroform	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,2-Dichloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,1,1-Trichloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Carbon Tetrachloride	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Bromodichloromethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,2-Dichloropropane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
cis-1,3-Dirchloropropene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Trichloroethene	µg/L	95	58	-	-	-	-	-	-	-	-	-	-	570
Dibromochloromethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,1,2-Trichloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Benzene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
trans-1,3-Dichloropropene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Bromoform	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Tetrachloroethene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Toluene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Chlorobenzene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Ethylbenzene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
2-Chloroethylvinyl Ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	µg/L	81	44	-	-	-	-	-	-	-	-	-	-	790
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Carbon Disulfide	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
4-Methyl-2 Pentanone	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
2-Hexanone	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Styrene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Xylene (total)	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	ND
Total Volatile Organics	µg/L	176	102	0	0	0	0	0	0	0	0	0	0	1360

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Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	ES April 1993 2	June 1
VOLATILE ORGANICS		624	624	624	624	624	624	624	624	624	624	624	624	NYSCLP	NYSCLP	NYSC
Chloromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromomethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	
Chloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylene Chloride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	
1,1-Dichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroform	µg/L	86	230	ND	610	700	490	490	457	157	11.7	175	270	200	300	3
1,2-Dichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Carbon Tetrachloride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,3-Dirchloropropene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	µg/L	2500	7600	5900	17000	22000	15000	12000	10000	3710	9840	7920	14000	10000	16000	130
Dibromochloromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzene	µg/L	ND	ND	ND	ND	ND	ND	ND	2.58	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromoform	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	µg/L	ND	ND	ND	ND	ND	250	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Chloroethylvinyl Ether	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
1,3-Dichlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	
1,2-Dichlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	
1,4-Dichlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	
1,2-Dichloroethene (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	440	450	5
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	700	-	-	
trans-1,2-Dichloroethene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	-	-	
Trichlorofluoromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
Acetone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Carbon Disulfide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
4-Methyl-2 Pentanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
2-Hexanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Styrene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Xylenes (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Total Volatile Organics	µg/L	2586.00	7830.00	5900.00	17610.00	22700.00	15740.00	12490.00	10459.58	3871.70	9851.70	8095.00	14980.00	10640.00	16750	138

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Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
VOLATILE ORGANICS		**NYSCLP**	**NYSCLP**					**NYSCLP**						**NYSCLP**
Chloromethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Bromomethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Vinyl Chloride	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Chloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Methylene Chloride	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
1,1-Dichloroethene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
1,1-Dichloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Chloroform	µg/L	ND	ND	-	-	-	-	600	-	-	-	-	-	ND
1,2-Dichloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
1,1,1-Trichloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Carbon Tetrachloride	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Bromodichloromethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
1,2-Dichloropropane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
cis-1,3-Dirchloropropene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Trichloroethene	µg/L	9500	13000	-	-	-	-	23000	-	-	-	-	-	160
Dibromochloromethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
1,1,2-Trichloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Benzene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
trans-1,3-Dichloropropene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Bromoform	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Tetrachloroethene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Toluene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Chlorobenzene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Ethylbenzene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
2-Chloroethylvinyl Ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	µg/L	ND	ND	-	-	-	-	550	-	-	-	-	-	ND
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Carbon Disulfide	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
4-Methyl-2 Pentanone	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
2-Hexanone	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Styrene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Xylenes (total)	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	-	ND
Total Volatile Organics	µg/L	9500	13000	0	0	0	0	24150	0	0	0	0	0	160

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Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	ES April 1993 2	June 1
METALS																
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	11.3	-	5
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Arsenic	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	-	
Barium	mg/L	-	ND	-	ND	-	0.054	-	0.043	-	0.07	-	-	0.123	-	42
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.00079	-	0.
Cadmium	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	-	
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	223	-	2160
Chromium	mg/L	-	0.003	-	ND	-	ND	-	ND	-	ND	-	-	0.0127	-	
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0246	-	3
Iron	mg/L	-	2	-	8.5	-	3.89	-	1.38	-	8.14	-	-	14	-	8
Lead	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	0.0166	-	2
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	30.3	-	265
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	1.02	-	8
Mercury	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	0.00036	-	
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0185	-	
Potassium	mg/L	-	ND	-	5.1	-	2.77	-	2.31	-	2.79	-	-	3.54	-	22
Selenium	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	-	
Silver	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	-	
Sodium	mg/L	-	86	-	99	-	102	-	107	-	95.5	-	-	100	-	1010
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.013	-	
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.511	-	47
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
MISCELLANEOUS COMPOUNDS																
Ethene	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ethane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CO2	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ferrous Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DOC	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity (total)	mg CaCO3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Organic Halogens/Halides (TO	mg/L	-	0.333	-	-	1.88	1.7	-	4.422	-	4.52	-	-	4.5	12	6
Chloride	mg/L	-	72	-	75.2	-	76.8	-	66.8	-	52.6	-	-	57	59	
Conductivity (field)	µmhos/cm	670	680	1800	1600	1400	1300	1650	1710	2100	1788	1370	-	975	900	11
Conductivity (lab)	µmhos/cm	-	-	-	-	-	-	-	-	-	1548	-	-	1440	1300	14
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Nitrate as N	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	0.01	ND	
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.01	-	
pH (Lab)	std. units	-	6.9	-	6.9	-	6.9	-	7.5	-	7	-	-	7.08	7.11	6.
pH (field)	std. units	6.7	6.8	6.89	7	6.5	7.32	6.54	6.69	6.86	6.38	6.88	-	6.89	6.89	7.
Sulfate	mg/L	-	340	-	245	-	287.5	-	230	-	351	-	-	280	200	2
Total Organic Carbon (TOC)	mg/L	-	32	-	12	-	14.6	-	11.4	-	4	-	-	4	5	
Temperature (field)	Celcius	8	5	15	14	10	8	13	15	9	6	11	-	7.25	5	12
Nephelometric Turbidity Units	NTUs	8	5	15	14	10	8	13	15	9	-	-	-	>200	46.9	

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Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
METALS														
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	347
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	6.2
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS COMPOUNDS														
Ethene	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	ND
Ethane	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	ND
Methane	mg/L	-	-	-	-	-	-	0.424	-	-	-	-	-	0.311
CO2	mg/L	-	-	-	-	-	-	629	-	-	-	-	-	-
Ferrous Iron	mg/L	-	-	-	-	-	-	0.01	-	-	-	-	-	0
Sulfide	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	-
DOC	mg C/L	-	-	-	-	-	-	6.1	-	-	-	-	-	5.4
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	315
Alkalinity (total)	mg CaCO3/	1.5	6	-	-	-	-	548	-	-	-	-	-	532
Total Organic Halogens/Halides (TO	mg/L	36	64	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	-	-	-	-	-	-	57.7	-	-	-	-	-	25.9
Conductivity (field)	µmhos/cm	1400	1300	-	-	-	-	-	-	-	-	-	-	-
Conductivity (lab)	µmhos/cm	-	-	-	-	-	-	1450	-	-	-	-	-	1175
Nitrite Nitrogen	mg/L	0.1	nd	-	-	-	-	ND	-	-	-	-	-	-
Nitrate as N	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	0.01
Nitrate as N - Calculation	mg/L	6.91	6.93	-	-	-	-	-	-	-	-	-	-	-
pH (Lab)	std. units	-	-	-	-	-	-	6.87	-	-	-	-	-	6.41
pH (field)	std. units	240	250	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	6	4	-	-	-	-	231	-	-	-	-	-	191
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	-
Nephelometric Turbidity Units	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-

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Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	April
OLATILE ORGANICS		**624**	**624**	**624**	**624**	**624**	**624**	**624**	**624**	**624**	**624**	**624**	**624**		**NYS**
ethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
ethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
loride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
hane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
e Chloride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
oroethene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
oroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
rm	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
oroethane	µg/L	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	-	
chloroethane	µg/L	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	-	
etrachloride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
hloromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
oropropane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
irchloropropene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
ethene	µg/L	ND	ND	ND	1	3	3	2	ND	2.5	2.4	2.3	ND	-	
chloromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
chloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
-Dichloropropene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
rm	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
roethene	µg/L	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	-	
etrachloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
nzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
ene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
thylvinyl Ether	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
orobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
orobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
orobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
oroethene (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	17	-	
1,2-Dichloroethene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
fluoromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
isulfide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
2 Pentanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
ne	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
otal)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
atile Organics	µg/L	0	0	0	1	10	4	2	0	2.5	2.4	2.3	17	0	

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Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	P Dec 19
VOLATILE ORGANICS		NYSCLP	NYSCLP											
Chloromethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Bromomethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Vinyl Chloride	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Chloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Methylene Chloride	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
1,1-Dichloroethene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
1,1-Dichloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Chloroform	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
1,2-Dichloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
1,1,1-Trichloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Carbon Tetrachloride	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Bromodichloromethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
1,2-Dichloropropane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
cis-1,3-Dirchloropropene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Trichloroethene	µg/L	5	ND	-	-	-	-	-	-	-	-	-	-	
Dibromochloromethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
1,1,2-Trichloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Benzene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
trans-1,3-Dichloropropene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Bromoform	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Tetrachloroethene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Toluene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Chlorobenzene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Ethylbenzene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
2-Chloroethylvinyl Ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	
1,3-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	
1,2-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	
1,2-Dichloroethene (total)	µg/L	18	12	-	-	-	-	-	-	-	-	-	-	
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Trichlorofluoromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Acetone	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Carbon Disulfide	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
4-Methyl-2 Pentanone	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
2-Hexanone	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Styrene	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Xylenes (total)	µg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Total Volatile Organics	µg/L	23	12	0	0	0	0	0	0	0	0	0	0	

N

SEAD RAILROAD

APPROXIMATE LOCATION OF 6" WATER MAIN

COOKING GREASE PITS DISPOSAL AREA

W-A

DEBRIS PILE

NON COMBUSTIBLE FILL LANDFILL

ASH LANDFILL

WEST SMITH FARM ROAD

ABANDONED INCINERATOR BUILDING

W-B

W-C

W-D

CEMETERY ROAD

WEST PATROL ROAD

CONRAIL RAILROAD

SEAD-1
EL.630.90'

FARMHOUSE WELLS (1250 FEET)

ASPHALT PATCH

MW-42D 678.25

676.21 PT-10

658.18 MW-60

654.73

654.03 MW-59

PT-11

657.48 MW-39

654.83 MW-43

655.66 MW-40

651.71 PT-18

650.11 MW-44

647.9 PT-12

647.96 MW-45

646.69 MW-49D

646.9 MW-46

MW-50D 646.28

642.08 PT-19

641.64 PT-22

PT-21 642.11

641.54 PT-20

645.06 MW-48

637.15 MW-32

635.27 MW-33

632.71 PT-15

635.44

636.12

632.81 PT-17

MW-30

MW-31 633.78

633.13 PT-25

638.14 PT-23

632.56 MW-53

MW-54D

632.82 MW-55D

MW-27 634.11

631.99 MW-28

MW-29 631.17

634.2 MW-38D

PT-16 634.49

PT-24 631.78

(625 ft) NMW-34 629.82

628.49 NM MW-36 MW-35D

628 MW-57D

628.18 MW-58D

627.42 MW-56

(1315 ft) PT-26

630.41 MW-37

625.18 MW-51D

623.97 MW-47

MW-52D 625.25

LEGEND:

- BURNING PAD DESIGNATION
- PAD OR GRID BORING
- GROUND CONTOUR AND ELEVATION
- W-1 WETLAND & DESIGNATION
- UTILITY POLE
- TREE
- BRUSH
- MW-34 628.2 MONITORING WELL & DESIGNATION AND MSL ELEVATION DATUM
- 645 GROUNDWATER CONTOUR LINE (DASHED WHERE INFERRED) MSL DATUM
- ARROW INDICATES PREDOMINANT GROUNDWATER FLOW DIRECTION

125 0 125 250
1" = 250'

PARSONS
PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE
SENECA ARMY DEPOT ACTIVITY
ASH LANDFILL
GROUNDWATER MONITORING PROGRAM

DEPT	Dwg. No.
ENVIRONMENTAL ENGINEERING	730769-01001

FIGURE 1
GROUNDWATER ELEVATION CONTOUR PLAN
JANUARY 6, 1997

SCALE	DATE	REV
1" = 250'	MARCH 1997	A

ACAD\SENECA\GRDWATER\ASHGW_JAN.DWG

PT-21
Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	April
METALS															
m	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
y	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	ND	-	ND	-	-	-	-	-	-	-	
	mg/L	-	-	-	1.1	-	0.144	-	-	-	-	-	-	-	
n	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
n	mg/L	-	-	-	ND	-	ND	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
m	mg/L	-	-	-	0.08	-	ND	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	85	-	0.842	-	-	-	-	-	-	-	
	mg/L	-	-	-	0.027	-	ND	-	-	-	-	-	-	-	
ım	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
se	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	ND	-	ND	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
n	mg/L	-	-	-	9.5	-	45.6	-	-	-	-	-	-	-	
	mg/L	-	-	-	ND	-	ND	-	-	-	-	-	-	-	
	mg/L	-	-	-	ND	-	ND	-	-	-	-	-	-	-	
	mg/L	-	-	-	32	-	45.6	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
n	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	ND	-	ND	-	-	-	-	-	-	-	
MISCELLANEOUS															
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
ron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
tential	mV	-	-	-	-	-	-	-	-	-	-	-	-	-	
(total)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
anic Halogens/Halides (TOX	mg/L	-	-	-	-	0.031	0.02	-	-	-	-	-	-	-	
	mg/L	-	-	-	74.2	-	63	-	-	-	-	-	-	-	
ity (field)	µmhos/cm	460	400	670	750	900	410	980	1100	1130	1130	970	-	-	
ity (lab)	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-	
trogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
itrite Nitrogen	mg/L	-	-	-	0.6	-	0.26	-	-	-	-	-	-	-	
N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	
	std. units	-	-	-	7.7	-	8	-	-	-	-	-	-	-	
	std. units	6.95	7.37	7.4	7.45	6.85	8.39	6.86	7.06	7.24	7.02	7.36	-	-	7
	mg/L	-	-	-	136	-	170	-	-	-	-	-	-	-	
anic Carbon (TOC)	mg/L	-	-	-	6.6	-	5.5	-	-	-	-	-	-	-	
ure (field)	Celcius	10	8	13	14	8	8	11	12	10	8	10	-	-	
	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-	

PT-21
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	Dec
METALS														
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
MISCELLANEOUS														
Ethene	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Ethane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0
CO2	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Ferrous Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
DOC	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity (total)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	
Total Organic Halogens/Halides (TOX	mg/L	0.05	0.02	-	-	-	-	-	-	-	-	-	-	
Chloride	mg/L	84	67	-	-	-	-	-	-	-	-	-	-	
Conductivity (field)	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	
Conductivity (lab)	µmhos/cm	990	890	-	-	-	-	-	-	-	-	-	-	1
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Nitrate/Nitrite Nitrogen	mg/L	0.41	0.31	-	-	-	-	-	-	-	-	-	-	
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
pH (Lab)	std. units	7.49	7.72	-	-	-	-	-	-	-	-	-	-	
pH (field)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	mg/L	140	120	-	-	-	-	-	-	-	-	-	-	
Total Organic Carbon (TOC)	mg/L	3	1	-	-	-	-	-	-	-	-	-	-	
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	

PT-24
Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	ES April 1993 2	June
VOLATILE ORGANICS		**624**	**624**	**624**	**624**	**624**	**624**	**624**	**624**	**624**	**624**	**624**	**624**	**NYSCLP**	**NYSCLP**	**NYS**
Chloromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromomethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylene Chloride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroform	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	µg/L	ND	ND	ND	1	1	ND	1	ND	126	ND	ND	ND	ND	ND	
Carbon Tetrachloride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,3-Dirchloropropene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	µg/L	4	6	9	2	6	7	8	8.61	2.8	4.4	6.2	6.7	7	5	
Dibromochloromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromoform	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Chloroethylvinyl Ether	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
1,3-Dichlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	
1,2-Dichlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	
1,4-Dichlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	
1,2-Dichloroethene (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	100	81	
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	110	-	-	
trans-1,2-Dichloroethene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
Trichlorofluoromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
Acetone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Carbon Disulfide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
4-Methyl-2 Pentanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
2-Hexanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Styrene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Xylenes (total)	µg/L	-	-	-	-	-	-	-	-	-	ND	ND	-	ND	ND	
Total Volatile Organics	µg/L	4	6	9	3	7	7	9	8.61	128.8	4.4	6.2	116.7	107	86	

PT-24
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
VOLATILE ORGANICS		NYSCLP	NYSCLP					NYSCLP					524.2	NYSCLP
Chloromethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Bromomethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Vinyl Chloride	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Chloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Methylene Chloride	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,1-Dichloroethene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,1-Dichloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Chloroform	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,2-Dichloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,1,1-Trichloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Carbon Tetrachloride	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Bromodichloromethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,2-Dichloropropane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
cis-1,3-Dirchloropropene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Trichloroethene	µg/L	4	ND	-	-	-	-	5	-	-	-	-	7	6
Dibromochloromethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,1,2-Trichloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Benzene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
trans-1,3-Dichloropropene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Bromoform	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Tetrachloroethene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Toluene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Chlorobenzene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Ethylbenzene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
2-Chloroethylvinyl Ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-
1,3-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-
1,2-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-
1,4-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-
1,2-Dichloroethene (total)	µg/L	72	59	-	-	-	-	72	-	-	-	-	ND	130
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	130	-
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-
Trichlorofluoromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-
Acetone	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	5	ND
Carbon Disulfide	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
4-Methyl-2 Pentanone	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
2-Hexanone	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Styrene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Xylenes (total)	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Total Volatile Organics	µg/L	76	59	0	0	0	0	77	0	0	0	0	142	136

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Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	ES April 1993 2	ES June
METALS																
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	13.5	-	1
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Arsenic	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	0.0016	-	
Barium	mg/L	-	ND	-	ND	-	0.065	-	0.13	-	0.054	-	-	0.116	-	4
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	0
Cadmium	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	-	
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	125	-	1113
Chromium	mg/L	-	0.041	-	ND	-	ND	-	0.037	-	ND	-	-	0.0176	-	
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0088	-	
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0111	-	
Iron	mg/L	-	34	-	1.2	-	8.79	-	33.7	-	4.13	-	-	17.8	-	1
Lead	mg/L	-	0.013	-	ND	-	ND	-	0.02	-	ND	-	-	0.0091	-	
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	17.2	-	12
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.375	-	5
Mercury	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	-	
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0206	-	
Potassium	mg/L	-	ND	-	2.1	-	2.2	-	5.85	-	1.86	-	-	3.6	-	1
Selenium	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	0.0012	-	
Silver	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	-	
Sodium	mg/L	-	15	-	14	-	13.4	-	16.2	-	14.1	-	-	16.7	-	15
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0195	-	
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0781	-	
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
MISCELLANEOUS																
Ethene	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ethane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CO2	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ferrous Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DOC	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity (total)	mg CaCO3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Organic Halogens/Halides (TO	mg/L	-	0.0138	-	-	0.054	0.07	-	0.029	-	0.06	-	-	0.05	0.05	0
Chloride	mg/L	-	30	-	17.4	-	19.7	-	16.2	-	21	-	-	17.6	16	
Conductivity (field)	µmhos/cm	350	330	510	500	540	420	725	770	740	700	650	-	425	390	
Conductivity (lab)	µmhos/cm	-	-	-	-	-	540	-	-	-	627	-	-	663	620	
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Nitrate/Nitrite Nitrogen	mg/L	-	0.26	-	0.34	-	0.17	-	0.43	-	0.11	-	-	0.18	0.28	0
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.18	-	
pH (Lab)	std. units	-	7.2	-	7	-	7.2	-	7.7	-	7.2	-	-	7.17	7.16	6
pH (field)	std. units	6.8	7.44	7.25	7.3	6.35	7.82	6.62	7.19	7.28	7.12	7.27	-	6.7	7.13	7
Sulfate	mg/L	-	120	-	125	-	80	-	93	-	75.7	-	-	55	44	
Total Organic Carbon (TOC)	mg/L	-	16	-	4.4	-	16.7	-	9.2	-	4	-	-	2	2	
Temperature (field)	Celcius	7.5	7	15	16	9	7	13	15	8	6	11	-	6	5	1
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	>200	-	

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Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
METALS														
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS														
Ethene	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	ND
Ethane	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	ND
Methane	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	ND
CO2	mg/L	-	-	-	-	-	-	275	-	-	-	-	-	-
Ferrous Iron	mg/L	-	-	-	-	-	-	0.12	-	-	-	-	-	0
Sulfide	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	-
DOC	mg C/L	-	-	-	-	-	-	4.6	-	-	-	-	-	1.6
Redox Potential	mV	-	-	-	-	-	-	372.4	-	-	-	-	-	359
Alkalinity (total)	mg CaCO3/	-	-	-	-	-	-	288	-	-	-	-	-	332
Total Organic Halogens/Halides (TO	mg/L	ND	0.03	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	13	14	-	-	-	-	40.3	-	-	-	-	-	29.4
Conductivity (field)	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-
Conductivity (lab)	µmhos/cm	650	750	-	-	-	-	763	-	-	-	-	-	810
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	-
Nitrate/Nitrite Nitrogen	mg/L	0.33	0.26	-	-	-	-	0.15	-	-	-	-	-	1.3
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
pH (Lab)	std. units	7.17	7.33	-	-	-	-	7.09	-	-	-	-	-	6.62
pH (field)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	47	49	-	-	-	-	79	-	-	-	-	-	118
Total Organic Carbon (TOC)	mg/L	2	2	-	-	-	-	-	-	-	-	-	-	-
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	-
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-

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Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	ES April 1993 2	June 1
VOLATILE ORGANICS		624	624	624	624	624	624	624	624	624	624	624	624	NYSCLP	NYSCLP	NYSC
Chloromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromomethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylene Chloride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
1,1-Dichloroethene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroform	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Carbon Tetrachloride	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,3-Dirchloropropene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromochloromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromoform	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Chloroethylvinyl Ether	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
1,3-Dichlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	
1,2-Dichlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	
1,4-Dichlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	
1,2-Dichloroethene (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	
trans-1,2-Dichloroethene	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
Trichlorofluoromethane	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
Acetone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Carbon Disulfide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
4-Methyl-2 Pentanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
2-Hexanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Styrene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Xylenes (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Total Volatile Organics	µg/L	0	0	0	0	0	0	0	0	0	0	0	0	0	2	

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Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
VOLATILE ORGANICS		NYSCLP	NYSCLP	NYSCLP				524.2	524.2	524.2	524.2	524.2	524.2	524.2
Chloromethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Bromomethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Chloroethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Chloroform	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dirchloropropene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Benzene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Bromoform	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Acetone	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2 Pentanone	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Styrene	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	µg/L	ND	ND	ND	-	-	-	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organics	µg/L	0	0	0	0	0	0	0	0	0	0	0	0	0

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Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	ES April 1993 2	June
METALS																
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	1.4	-	109
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Arsenic	mg/L	-	-	-	-	-	ND	-	-	-	ND	-	-	0.0029	-	
Barium	mg/L	-	-	-	-	-	0.072	-	-	-	0.072	-	-	0.0996	-	11
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.00043	-	
Cadmium	mg/L	-	-	-	-	-	ND	-	-	-	ND	-	-	ND	-	
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	153	-	12300
Chromium	mg/L	-	-	-	-	-	ND	-	-	-	ND	-	-	ND	-	
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0066	-	
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0048	-	
Iron	mg/L	-	-	-	-	-	10.2	-	-	-	8.13	-	-	2.49	-	332
Lead	mg/L	-	-	-	-	-	ND	-	-	-	ND	-	-	0.0032	-	
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	15.5	-	1900
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.759	-	81
Mercury	mg/L	-	-	-	-	-	ND	-	-	-	ND	-	-	ND	-	
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0058	-	
Potassium	mg/L	-	-	-	-	-	4.67	-	-	-	3.2	-	-	3.51	-	621
Selenium	mg/L	-	-	-	-	-	ND	-	-	-	ND	-	-	ND	-	
Silver	mg/L	-	-	-	-	-	ND	-	-	-	ND	-	-	ND	-	
Sodium	mg/L	-	-	-	-	-	17.8	-	-	-	20.1	-	-	17.4	-	1650
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0171	-	1
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
MISCELLANEOUS																
Ethene	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ethane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CO2	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ferrous Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DOC	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity (total)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Organic Halogens/Halides (TO	mg/L	-	-	-	-	-	0.023	-	-	-	0.01	-	-	ND	ND	
Chloride	mg/L	-	-	-	-	-	35.5	-	-	-	30.6	-	-	24	36	
Conductivity (field)	µmhos/cm	480	470	650	560	560	490	855	860	870	660	690	-	427	445	6
Conductivity (lab)	µmhos/cm	-	-	-	-	-	630	-	-	-	615	-	-	661	700	7
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Nitrate/Nitrite Nitrogen	mg/L	-	-	-	-	-	0.04	-	-	-	ND	-	-	0.06	ND	
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.06	-	
pH (Lab)	std. units	-	-	-	-	-	7.4	-	-	-	7.6	-	-	7.23	7.17	7.
pH (field)	std. units	7.05	6.81	7.26	7.45	6.55	7.85	6.62	7.19	7.41	7.19	7.2	-	7.49	7.16	7.
Sulfate	mg/L	-	-	-	-	-	90.4	-	-	-	80.8	-	-	41	47	
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	18.9	-	-	-	8	-	-	1.4	2	
Temperature (field)	Celcius	7	6	15	16	8	7	14	19	7	6	12	-	6	7.5	
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	>200	26.1	

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Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
METALS														
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS														
Ethene	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	ND
Ethane	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	ND
Methane	mg/L	-	-	-	-	-	-	0.184	-	-	-	-	-	0.002
CO2	mg/L	-	-	-	-	-	-	268	-	-	-	-	-	-
Ferrous Iron	mg/L	-	-	-	-	-	-	0.21	-	-	-	-	-	0.17
Sulfide	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	-
DOC	mg C/L	-	-	-	-	-	-	2.3	-	-	-	-	-	1.9
Redox Potential	mV	-	-	-	-	-	-	394.7	-	-	-	-	-	287
Alkalinity (total)	mg CaCO3/L	0.08	0.05	-	-	-	-	292	-	-	-	-	-	318
Total Organic Halogens/Halides (TO	mg/L	34	44	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	-	-	-	-	-	-	37.8	-	-	-	-	-	19.4
Conductivity (field)	µmhos/cm	600	770	-	-	-	-	-	-	-	-	-	-	-
Conductivity (lab)	µmhos/cm	-	-	-	-	-	-	633	-	-	-	-	-	672
Nitrite Nitrogen	mg/L	0.15	ND	-	-	-	-	ND	-	-	-	-	-	-
Nitrate/Nitrite Nitrogen	mg/L	-	-	-	-	-	-	0.098	-	-	-	-	-	0.03
Nitrate as N - Calculation	mg/L	7.42	7.45	-	-	-	-	-	-	-	-	-	-	-
pH (Lab)	std. units	-	-	-	-	-	-	7.73	-	-	-	-	-	7.03
pH (field)	std. units	72	64	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	3	1	-	-	-	-	50.7	-	-	-	-	-	44.3
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	-
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-

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Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	ES April 1993 2	June
					DRY				DRY							
VOLATILE ORGANICS		624	624	624	624	624	624	624	624	624	624	624	624	NYSCLP	NYSCLP	NYS
Chloromethane	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
Bromomethane	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
Chloroethane	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
Methylene Chloride	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethene	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
Chloroform	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	µg/L	ND	ND	ND	-	ND	ND	1	-	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	µg/L	ND	ND	ND	-	1	ND	2	-	ND	ND	ND	ND	ND	ND	
Carbon Tetrachloride	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
cis-1,3-Dirchloropropene	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
Trichloroethene	µg/L	ND	ND	ND	-	ND	ND	1	-	1.2	ND	ND	ND	2	ND	
Dibromochloromethane	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
Benzene	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
Bromoform	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
Toluene	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
Chlorobenzene	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
Ethylbenzene	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	
2-Chloroethylvinyl Ether	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	-	-	
1,3-Dichlorobenzene	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	-	-	-	
1,2-Dichlorobenzene	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	-	-	-	
1,4-Dichlorobenzene	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	-	-	-	
1,2-Dichloroethene (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	70	76	
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	67	-	-	
trans-1,2-Dichloroethene	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	-	-	
Trichlorofluoromethane	µg/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	ND	ND	-	-	
Acetone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Carbon Disulfide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
4-Methyl-2 Pentanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
2-Hexanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Styrene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Xylenes (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Total Volatile Organics	µg/L	0	0	0	0	1	0	4	0	1.2	0	0	67	72	76	

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Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
VOLATILE ORGANICS		**NYSCLP**	**NYSCLP**					**NYSCLP**					**524.2**	**NYSCLP**
Chloromethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Bromomethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Vinyl Chloride	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Chloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Methylene Chloride	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,1-Dichloroethene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,1-Dichloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Chloroform	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,2-Dichloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,1,1-Trichloroethane	µg/L	ND	ND	-	-	-	-	1	-	-	-	-	ND	ND
Carbon Tetrachloride	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Bromodichloromethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,2-Dichloropropane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
cis-1,3-Dirchloropropene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Trichloroethene	µg/L	ND	ND	-	-	-	-	2	-	-	-	-	4	4
Dibromochloromethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,1,2-Trichloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Benzene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
trans-1,3-Dichloropropene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Bromoform	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Tetrachloroethene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Toluene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Chlorobenzene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Ethylbenzene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
2-Chloroethylvinyl Ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-
1,3-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-
1,2-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-
1,4-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-
1,2-Dichloroethene (total)	µg/L	63	80	-	-	-	-	94	-	-	-	-	140	130
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-
Trichlorofluoromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-
Acetone	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Carbon Disulfide	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
4-Methyl-2 Pentanone	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
2-Hexanone	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Styrene	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Xylenes (total)	µg/L	ND	ND	-	-	-	-	ND	-	-	-	-	ND	ND
Total Volatile Organics	µg/L	63	80	0	0	0	0	97	0	0	0	0	144	134

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Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	ES April 1993 2	June
METALS																
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	59.6	-	760
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Arsenic	mg/L	-	-	-	-	-	ND	-	-	-	ND	-	-	0.0015	-	
Barium	mg/L	-	-	-	-	-	0.227	-	-	-	0.327	-	-	0.427	-	4
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0032	-	
Cadmium	mg/L	-	-	-	-	-	ND	-	-	-	ND	-	-	ND	-	
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	278	-	2740
Chromium	mg/L	-	-	-	-	-	0.043	-	-	-	0.088	-	-	0.0809	-	1
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0636	-	
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0851	-	1
Iron	mg/L	-	-	-	-	-	69.5	-	-	-	101	-	-	92.4	-	1620
Lead	mg/L	-	-	-	-	-	ND	-	-	-	0.028	-	-	0.0267	-	
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	58	-	637
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	3.7	-	40
Mercury	mg/L	-	-	-	-	-	ND	-	-	-	ND	-	-	0.00018	-	
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.132	-	1
Potassium	mg/L	-	-	-	-	-	5	-	-	-	8.42	-	-	9.06	-	87
Selenium	mg/L	-	-	-	-	-	ND	-	-	-	ND	-	-	ND	-	
Silver	mg/L	-	-	-	-	-	ND	-	-	-	ND	-	-	ND	-	
Sodium	mg/L	-	-	-	-	-	16.1	-	-	-	18.3	-	-	21.9	-	269
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0753	-	1
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.325	-	4
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
MISCELLANEOUS																
Ethene	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ethane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CO2	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ferrous Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DOC	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity (total)	mg CaCO3/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Organic Halogens/Halides (TOX)	mg/L	-	-	-	-	-	0.037	-	-	-	0.03	-	-	0.04	0.06	0
Chloride	mg/L	-	-	-	-	-	18.7	-	-	-	21	-	-	15.2	14	2
Conductivity (field)	µmhos/cm	440	420	580	-	550	520	830	-	860	810	770	-	492	480	
Conductivity (lab)	µmhos/cm	-	-	-	-	-	620	-	-	-	725	-	-	761	770	750
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Nitrate/Nitrite Nitrogen	mg/L	-	-	-	-	-	0.46	-	-	-	0.31	-	-	0.24	0.38	0
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.24	-	
pH (Lab)	std. units	-	-	-	-	-	7.2	-	-	-	7.2	-	-	7.13	7.11	7
pH (field)	std. units	6.85	6.94	7.25	-	6.2	7.9	6.65	-	7.17	7.08	7	-	7.34	7.4	7
Sulfate	mg/L	-	-	-	-	-	65	-	-	-	93.6	-	-	87	71	6
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	75	-	-	-	5	-	-	2.1	ND	
Temperature (field)	Celcius	8	7	15	-	9	7	13	-	10	5	10	-	6	5	1
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	>200	-	

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Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
METALS														
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS														
Ethene	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	ND
Ethane	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	ND
Methane	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	ND
CO2	mg/L	-	-	-	-	-	-	316	-	-	-	-	-	-
Ferrous Iron	mg/L	-	-	-	-	-	-	0.24	-	-	-	-	-	0.03
Sulfide	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	-
DOC	mg C/L	-	-	-	-	-	-	3.2	-	-	-	-	-	1.8
Redox Potential	mV	-	-	-	-	-	-	365.6	-	-	-	-	-	349
Alkalinity (total)	mg CaCO3/	-	-	-	-	-	-	313	-	-	-	-	-	342
Total Organic Halogens/Halides (TOX)	mg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	13	25	-	-	-	-	58.2	-	-	-	-	-	27.6
Conductivity (field)	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-
Conductivity (lab)	µmhos/cm	750	520	-	-	-	-	944	-	-	-	-	-	831
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	-
Nitrate/Nitrite Nitrogen	mg/L	0.51	0.37	-	-	-	-	-	-	-	-	-	-	1.7
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	0.21	-	-	-	-	-	-
pH (Lab)	std. units	7.2	7.2	-	-	-	-	7.06	-	-	-	-	-	6.64
pH (field)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	6.1	79	-	-	-	-	126	-	-	-	-	-	117
Total Organic Carbon (TOC)	mg/L	2	ND	-	-	-	-	-	-	-	-	-	-	-
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	-
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-

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Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	ES April 1993 2	June
VOLATILE ORGANICS		624	624	624	624	624	624	624	624	624	624	624	624	NYSCLP	NYSCLP	NY
Chloromethane	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Bromomethane	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Chloroethane	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Methylene Chloride	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethene	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Chloroform	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Carbon Tetrachloride	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
cis-1,3-Dirchloropropene	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Trichloroethene	µg/L	ND	ND	ND	1	ND	ND	-	-	2.4	ND	ND	ND	ND	ND	
Dibromochloromethane	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Benzene	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Bromoform	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Toluene	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Chlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
Ethylbenzene	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	
2-Chloroethylvinyl Ether	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	-	-	
1,3-Dichlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	-	-	-	
1,2-Dichlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	-	-	-	
1,4-Dichlorobenzene	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	-	-	-	
1,2-Dichloroethene (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	
trans-1,2-Dichloroethene	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	-	-	
Trichlorofluoromethane	µg/L	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	-	-	
Acetone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Carbon Disulfide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
4-Methyl-2 Pentanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
2-Hexanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Styrene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Xylenes (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Total Volatile Organics	µg/L	0	0	0	1	0	0	0	0	2.4	0	0	0	0	0	

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Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
VOLATILE ORGANICS		**NYSCLP**	**NYSCLP**	**NYSCLP**			**524.2**			**524.2**	**524.2**	**524.2**	**524.2**	**524.2**
Chloromethane	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	0.3	ND
Bromomethane	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Vinyl Chloride	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Chloroethane	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Methylene Chloride	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
1,1-Dichloroethene	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Chloroform	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
1,2-Dichloroethane	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Carbon Tetrachloride	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Bromodichloromethane	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
cis-1,3-Dirchloropropene	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Trichloroethene	µg/L	ND	ND	0.8	-	-	0.6	-	-	0.7	1	1	1	ND
Dibromochloromethane	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Benzene	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Bromoform	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Tetrachloroethene	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Toluene	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Chlorobenzene	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	µg/L	-	-	-	-	-	ND	-	-	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	µg/L	-	-	-	-	-	ND	-	-	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	µg/L	-	-	-	-	-	ND	-	-	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	µg/L	-	-	-	-	-	ND	-	-	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	ND	-	-	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	ND	-	-	ND	ND	ND	ND	ND
Trichlorofluoromethane	µg/L	-	-	-	-	-	ND	-	-	ND	ND	ND	ND	ND
Acetone	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Carbon Disulfide	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
4-Methyl-2 Pentanone	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
2-Hexanone	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Styrene	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Xylenes (total)	µg/L	ND	ND	ND	-	-	ND	-	-	ND	ND	ND	ND	ND
Total Volatile Organics	µg/L	0	0	0.8	0	0	0.6	0	0	0.7	1	1	1.3	0

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Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	ES April 1993 2	June
METALS																
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	1.06	-	
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Arsenic	mg/L	-	-	-	-	-	ND	ND	-	-	ND	-	-	0.0019	-	
Barium	mg/L	-	-	-	-	-	0.054	ND	-	-	0.049	-	-	0.0678	-	
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.00043	-	
Cadmium	mg/L	-	-	-	-	-	ND	ND	-	-	ND	-	-	ND	-	
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	119	-	
Chromium	mg/L	-	-	-	-	-	ND	ND	-	-	ND	-	-	ND	-	
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0041	-	
Iron	mg/L	-	-	-	-	-	7.08	ND	-	-	3.92	-	-	0.682	-	
Lead	mg/L	-	-	-	-	-	ND	ND	-	-	ND	-	-	0.0025	-	
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	17	-	
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.356	-	
Mercury	mg/L	-	-	-	-	-	ND	ND	-	-	ND	-	-	0.00007	-	
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Potassium	mg/L	-	-	-	-	-	2.38	ND	-	-	2.36	-	-	1.67	-	
Selenium	mg/L	-	-	-	-	-	ND	ND	-	-	ND	-	-	ND	-	
Silver	mg/L	-	-	-	-	-	ND	ND	-	-	ND	-	-	ND	-	
Sodium	mg/L	-	-	-	-	-	15.8	ND	-	-	16.5	-	-	18.2	-	
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0189	-	
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
MISCELLANEOUS																
Ethene	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ethane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CO2	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ferrous Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DOC	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity (total)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Organic Halogens/Halides (TOX	mg/L	-	-	-	-	-	ND	-	-	-	ND	-	-	ND	ND	
Chloride	mg/L	-	-	-	-	-	26.6	-	-	-	32.5	-	-	28	28	
Conductivity (field)	µmhos/cm	420	390	-	660	620	420	-	-	850	720	760	-	410	365	
Conductivity (lab)	µmhos/cm	-	-	-	-	-	-	-	-		645	-	-	689	630	
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-		-	-	-	ND	-	
Nitrate/Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-		ND	-	-	0.13	0.35	
Nitrate as N - Calculation	mg/L	-	-	-	-	-	0.05	-	-	-	-	-	-	0.13	-	
pH (Lab)	std. units	-	-	-	-	-	7.3	-	-	-	7.4	-	-	7.29	7.24	
pH (field)	std. units	6.9	7.11	7.27	7.3	7.15	8.03	-	-	7.25	7.14	7.12	-	7.14	7.4	7
Sulfate	mg/L	-	-	-	-	-	35.7	-	-	-	88.4	-	-	57	39	
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	13.6	-	-	-	2	-	-	1.9	2	
Temperature (field)	Celcius	6	4	16	15	6	5	-	-	10	5	12	-	4	5	
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	>200	90	

MW-30
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
METALS														
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS														
Ethene	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Ethane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0008
CO2	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.02
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
DOC	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	2
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	345
Alkalinity (total)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	266
Total Organic Halogens/Halides (TOX	mg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	28	29	-	-	-	-	-	-	-	-	-	-	32.4
Conductivity (field)	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-
Conductivity (lab)	µmhos/cm	760	600	-	-	-	-	-	-	-	-	-	-	586
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate/Nitrite Nitrogen	mg/L	0.26	0.19	-	-	-	-	-	-	-	-	-	-	0.07
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
pH (Lab)	std. units	7.25	7.27	-	-	-	-	-	-	-	-	-	-	6.82
pH (field)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	57	32	-	-	-	-	-	-	-	-	-	-	47.7
Total Organic Carbon (TOC)	mg/L	1	4	-	-	-	-	-	-	-	-	-	-	-
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	-
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-

MW-36
Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	NET Dec 1992 4	ES Jan 1993 1	ES Apr 1993 2
VOLATILE ORGANICS														NYSCLP	NYSCLP
Chloromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Bromomethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Vinyl Chloride	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Chloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Methylene Chloride	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
1,1-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
1,1-Dichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Chloroform	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
1,2-Dichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
1,1,1-Trichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Carbon Tetrachloride	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Bromodichloromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
1,2-Dichloropropane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
cis-1,3-Dirchloropropene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Trichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Dibromochloromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
1,1,2-Trichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Benzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
trans-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Bromoform	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Tetrachloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
1,1,2,2-Tetrachloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Toluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Chlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Ethylbenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
2-Chloroethylvinyl Ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Carbon Disulfide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
4-Methyl-2 Pentanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
2-Hexanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Styrene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Xylenes (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Total Volatile Organics	µg/L	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	De
VOLATILE ORGANICS		NYSCLP	NYSCLP		NYSCLP		NYSCLP	524.2	524.2	524.2	524.2	524.2	524.2	
Chloromethane	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Bromomethane	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Methylene Chloride	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethene	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Chloroform	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Carbon Tetrachloride	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
cis-1,3-Dirchloropropene	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Dibromochloromethane	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Benzene	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Bromoform	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Toluene	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Chlorobenzene	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
2-Chloroethylvinyl Ether	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethene (total)	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	
Trichlorofluoromethane	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	
Acetone	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Carbon Disulfide	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
4-Methyl-2 Pentanone	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
2-Hexanone	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Styrene	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Xylenes (total)	µg/L	ND	ND	-	ND	-	ND	ND	ND	ND	ND	ND	ND	
Total Volatile Organics	µg/L	0	0	0	0	0	0	0	0	0	0	0	0	

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Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	NET Dec 1992 4	ES Jan 1993 1	ES Apr 1993 2
METALS															
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.836	-
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.107	-
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	163	-
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0076	-
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0029	-
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.772	-
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0019	-
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	23.5	-
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.517	-
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	1.79	-
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	21.3	-
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0137	-
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
MISCELLANEOUS															
Ethene	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOC	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alkalinity (total)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Halogens/Halides (TO	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND
Chloride	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	35	29
Conductivity (field)	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	500	470
Conductivity (lab)	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	8070	760
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-
Nitrate/Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	3.4	2.5
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	3.4	-
pH (Lab)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	7.3	7.7
pH (field)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	7	7.30
Sulfate	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	63	78
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	1.1	1.0
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	7	7.50
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	185	9.80

MW-36
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	De
METALS														
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	
MISCELLANEOUS														
Ethene	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	
Ethane	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	
Methane	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	
CO2	mg/L	-	-	-	-	-	-	270	-	-	-	-	-	
Ferrous Iron	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	
Sulfide	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	
DOC	mg C/L	-	-	-	-	-	-	1.8	-	-	-	-	-	
Redox Potential	mV	-	-	-	-	-	-	379.3	-	-	-	-	-	
Alkalinity (total)	mg CaCO3/L	-	-	-	-	-	-	273	-	-	-	-	-	
Total Organic Halogens/Halides (TO	mg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	
Chloride	mg/L	27	37	-	-	-	-	48.8	-	-	-	-	-	
Conductivity (field)	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	
Conductivity (lab)	µmhos/cm	550	990	-	-	-	-	706	-	-	-	-	-	
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	
Nitrate/Nitrite Nitrogen	mg/L	0.62	1.1	-	-	-	-	-	-	-	-	-	-	
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	1.7	-	-	-	-	-	
pH (Lab)	std. units	7.37	7.27	-	-	-	-	7.25	-	-	-	-	-	
pH (field)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfate	mg/L	30	70	-	-	-	-	62.6	-	-	-	-	-	
Total Organic Carbon (TOC)	mg/L	6	2	-	-	-	-	-	-	-	-	-	-	
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	-	-	

MW-40
Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	NET Dec 1992 4	ES Jan 1993 1	ES Apr 1993 2	J
VOLATILE ORGANICS														NYSCLP	NYSCLP	N
Chloromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Bromomethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Vinyl Chloride	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Chloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Methylene Chloride	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	2	
1,1-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
1,1-Dichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Chloroform	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
1,2-Dichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
1,1,1-Trichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Carbon Tetrachloride	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Bromodichloromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
1,2-Dichloropropane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
cis-1,3-Dirchloropropene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Trichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Dibromochloromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
1,1,2-Trichloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Benzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
trans-1,3-Dichloropropene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Bromoform	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Tetrachloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
1,1,2,2-Tetrachloroethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Toluene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Chlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Ethylbenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
2-Chloroethylvinyl Ether	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,3-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2-Dichloroethene (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trichlorofluoromethane	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acetone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Carbon Disulfide	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
4-Methyl-2 Pentanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
2-Hexanone	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Styrene	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Xylenes (total)	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Total Volatile Organics	µg/L	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00	

MW-40
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
VOLATILE ORGANICS		NYSCLP	NYSCLP	NYSCLP	NYSCLP		NYSCLP	524.2	524.2	524.2	524.2	524.2	524.2	524.2
Chloromethane	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dirchloropropene	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	µg/L	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Acetone	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2 Pentanone	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	µg/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organics	µg/L	0	0	0	0	0	0	0	0	0	0	0	0	0

MW-40
Ash Landfill

Parameters	Source: Units	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	NET Dec 1992 4	ES Jan 1993 1	ES Apr 1993 2	J
METALS																
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	13.5	-	
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0021	-	
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.153	-	
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.00077	-	
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	160	-	104
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0347	-	
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0099	-	
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.009	-	
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	19.8	-	
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.005	-	
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	19	-	11
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.905	-	
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.00009	-	
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0281	-	
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	4.54	-	
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	23	-	15
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.0184	-	
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.309	-	
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
MISCELLANEOUS																
Ethene	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ethane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CO2	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ferrous Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DOC	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Alkalinity (total)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Organic Halogens/Halides (TOX	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	
Chloride	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	5.9	4	
Conductivity (field)	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	435	390	
Conductivity (lab)	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	643	610	
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.004	-	
Nitrate/Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.11	ND	
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	0.106	-	
pH (Lab)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	7.49	7.29	
pH (field)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	6.82	7.24	
Sulfate	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	93	95	
Total Organic Carbon (TOC)	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	1.3	ND	
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	7.3	6.00	
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	150	6.20	

MW-40
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
METALS														
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS														
Ethene	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	ND
Ethane	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	ND
Methane	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	0.0033
CO2	mg/L	-	-	-	-	-	-	221	-	-	-	-	-	-
Ferrous Iron	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	0.01
Sulfide	mg/L	-	-	-	-	-	-	ND	-	-	-	-	-	-
DOC	mg C/L	-	-	-	-	-	-	1.4	-	-	-	-	-	0.9
Redox Potential	mV	-	-	-	-	-	-	362.3	-	-	-	-	-	309
Alkalinity (total)	mg CaCO3/L	-	-	-	-	-	-	217	-	-	-	-	-	249
Total Organic Halogens/Halides (TOX	mg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	6	5	-	-	-	-	12.5	-	-	-	-	-	7.7
Conductivity (field)	µmhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-
Conductivity (lab)	µmhos/cm	560	590	-	-	-	-	486	-	-	-	-	-	566
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate/Nitrite Nitrogen	mg/L	0.13	0.15	-	-	-	-	0.13	-	-	-	-	-	0.05
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
pH (Lab)	std. units	7.43	7.41	-	-	-	-	7.41	-	-	-	-	-	7.12
pH (field)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	59	75	-	-	-	-	56.7	-	-	-	-	-	56
Total Organic Carbon (TOC)	mg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	-
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	-
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-

rm House Shallow
Ash Landfill

Parameters	Source: Units	Galson Aug 1987	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	A
LATILE ORGANICS		624	624	624	624	624	624	624	624	624	624	624	624	624	524.2	
ne	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ne	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
le	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
loride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
thene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
thane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
thane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
roethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
romethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
loropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ne	ug/L	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	
romethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
roethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
e	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
vinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
enzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
enzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
enzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
thene (total)	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
chloroethene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
romethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ide	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ntanone	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
)	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
Organics	ug/L	0	0	0	0	0	0	1	0	0	0	0	0	0	0	

Farm House Shallow
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
VOLATILE ORGANICS		524.2	524.2	524.2	524.2		524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2
Chloromethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dirchloropropene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2 Pentanone	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	ND	ND	ND	5	-	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organics	ug/L	0	0	0	5	0	0	0	0	0	0	0	0	0

arm House Shallow
Ash Landfill

Parameters	Source: Units	Galson Aug 1987	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	A
METALS																
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	ND	-	ND	-	0.108	-	0.053	-	0.092	-	-	0.112	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	98.9	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	ND	-	ND	-	ND	-	0.05	-	0.094	-	-	0.0365	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	0.035	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	20.5	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0011	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	7.5	-	8	-	10.9	-	6.38	-	7.4	-	-	12	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	0.0014	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	39	-	36	-	36 3	-	18.3	-	40.3	-	-	30.6	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	0.36	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
ISCELLANEOUS																
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
al	mV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
al)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Halogens/Halides (TOX)	mg/L	0.01	-	0.0507	-	-	0.013	0.02	-	0 072	-	ND	-	-	ND	
	mg/L	-	-	11	-	11.6	-	8 8	-	2.1	-	14.3	-	-	5.2	
field)	umhos/cm	-	-	380	-	-	-	-	-	-	-	860	860	-	490	
lab)	umhos/cm	-	-	-	860	550	600	740	935	460	215	773	-	-	746	
en	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
Nitrogen	mg/L	-	-	4.27	-	2.1	-	3 36	-	1.67	-	ND	-	-	3.3	
Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	
	std. units	-	-	7.2	-	7.3	-	7.3	-	7.6	-	7.5	-	-	7.3	
	std. units	-	-	7.55	7.3	7.35	7.35	-	7.01	8.12	8.08	7	7.32	-	7.03	
	mg/L	-	-	120	-	38.5	-	58 8	-	18.3	-	42	-	-	52	
Carbon (TOC)	mg/L	-	-	42	-	5.2	-	7 5	-	ND	-	19	-	-	2 9	
field)	Celcius	-	-	8	19	-	-	-	19	17	8	9	13	-	8	
	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-	1	

Farm House Shallow
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
METALS														
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS														
Ethene	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
DOC	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	-
Alkalinity (total)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Halogens/Halides (TOX)	mg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	19	16	-	-	-	-	-	-	-	-	-	-	-
Conductivity (field)	umhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-
Conductivity (lab)	umhos/cm	830	790	-	-	-	-	-	-	-	-	-	-	-
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate/Nitrite Nitrogen	mg/L	1.3	1.7	-	-	-	-	-	-	-	-	-	-	-
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
pH (Lab)	std. units	7.23	7.3	-	-	-	-	-	-	-	-	-	-	-
pH (field)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	31	48	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/L	3	3	-	-	-	-	-	-	-	-	-	-	-
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	-
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-

n House Deep
sh Landfill

Parameters	Source: Units	Galson Aug 1987	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1991 4	ES Jan 1993 1	Apr
TILE ORGANICS		624	624	624	624	624	624	624	624	624	624	624	624	624		
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
de	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
ne	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
ne	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
ne	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
nane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
ride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
ethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
ane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
propene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
ethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
nane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
opropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
roethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
l Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
ene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
ene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
ene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	
e (total)	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
roethene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	
loroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
ethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
none	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ganics	ug/L	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Farm House Deep
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
VOLATILE ORGANICS		524.2	524.2	524.2	524.2		524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2
Chloromethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dirchloropropene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2 Pentanone	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	ND	ND	ND	5	-	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organics	ug/L	0	0	0	5	0	0	0	0	0	0	0	0	0

n House Deep
sh Landfill

arameters	Source: Units	Galson Aug 1987	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1991 4	ES Jan 1993 1	Apri
METALS																
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	-	
	mg/L	-	-	0.47	-	ND	-	0.526	-	0.648	-	0.543	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	0.001	-	ND	-	ND	-	ND	-	ND	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	0.001	-	ND	-	ND	-	ND	-	ND	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	0.31	-	0.4	-	0.238	-	0.365	-	0.194	-	-	-	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	ND	-	1.6	-	1.9	-	1.19	-	1.7	-	-	-	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	-	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	-	
	mg/L	-	-	140	-	150	-	155	-	187	-	162	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ELLANEOUS																
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ogens/Halides (TOX)	mg/L	ND	-	ND	-	-	0.01	0.015	-	0.137	-	ND	-	-	-	
	mg/L	-	-	18	-	14.5	-	14.8	-	9.7	-	12.4	-	-	-	
d)	umhos/cm	-	-	370	760	620	720	-	860	840	880	847	820	-	-	
	umhos/cm	-	-	-	-	-	-	700	-	-	-	777	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
rogen	mg/L	-	-	ND	-	0.11	-	ND	-	ND	-	ND	-	-	-	
ulation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	std. units	-	-	8.5	-	8.6	-	8.6	-	9.1	-	8.8	-	-	-	
	std. units	-	-	8.38	8.32	8.3	8.45	-	8.62	8.47	8.72	8.21	8.15	-	-	
	mg/L	-	-	110	-	42	-	44.4	-	12.6	-	32	-	-	-	
oon (TOC)	mg/L	-	-	28	-	ND	-	6.5	-	4	-	3	-	-	-	
d)	Celcius	-	-	9	16	-	-	-	15	15	9	8	13	-	-	
	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Farm House Deep
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
METALS														
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS														
Ethene	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
DOC	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	-
Alkalinity (total)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Halogens/Halides (TOX)	mg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	14	12	-	-	-	-	-	-	-	-	-	-	-
Conductivity (field)	umhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-
Conductivity (lab)	umhos/cm	780	790	-	-	-	-	-	-	-	-	-	-	-
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate/Nitrite Nitrogen	mg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	-
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
pH (Lab)	std. units	8.49	8.63	-	-	-	-	-	-	-	-	-	-	-
pH (field)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	34	29	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/L	2	2	-	-	-	-	-	-	-	-	-	-	-
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	-
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-
FHDEEP.WK1		-	-	-	-	-	-	-	-	-	-	-	-	-

n Well Shallow
Ash Landfill

Parameters	Source: Units	Galson Aug 1987	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	Ap
TILE ORGANICS		624	624	624	624	624	624	624	624	624	624	624	624	624	524.2	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ide	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ne	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ne	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ne	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.7	ND	ND	ND	ND	
oride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
oane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
opropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
hane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
e	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
roethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
yl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	
zene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
zene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
zene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ne (total)	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
oroethene	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
hloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
none	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
anics	ug/L	0	0	0	0	0	0	0	0	0	6.7	0	0	0	0	

Barn Well Shallow
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
VOLATILE ORGANICS		524.2	524.2	524.2	524.2		524.2	524.2	524.2	524.2	524.2	524.2	524.2	524.2
Chloromethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	0.4	ND	ND
Bromomethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dirchloropropene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2 Pentanone	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	ND	ND	ND	5	-	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	ug/L	ND	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
total Volatile Organics	ug/L	0	0	0	5	0	0	0	0	0	0	0.4	0	0

n Well Shallow
Ash Landfill

Parameters	Source: Units	Galson Aug 1987	NET Jan 1990 1	NET Mar 1990 1	NET June 1990 2	NET Sept 1990 3	NET Dec 1990 4	NET Mar 1991 1	NET June 1991 2	NET Sept 1991 3	NET Dec 1991 4	NET Mar 1992 2	NET June 1992 3	GTC Dec 1992 4	ES Jan 1993 1	Apr
METALS																
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	ND	-	ND	-	0.039	-	0.099	-	0.036	-	-	0.0796	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00039	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	131	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	0.28	-	0.11	-	0.213	-	0.114	-	0.116	-	-	0.25	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	24.7	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0038	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	6.6	-	4.2	-	7.7	-	2.54	-	7.2	-	-	5.72	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	ND	-	-	ND	
	mg/L	-	-	1.6	-	5	-	2.42	-	6.83	-	3.23	-	-	3.57	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0458	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
CELLANEOUS																
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
logens/Halides (TOX)	mg/L	0.027	-	ND	-	-	ND	0.012	-	0.056	-	0.01	-	-	ND	
	mg/L	-	-	6	-	22.2	-	3.9	-	35.5	-	5.7	-	-	16.5	
ld)	umhos/cm	-	-	240	670	660	500	435	710	1000	1040	586	560	-	525	
)	umhos/cm	-	-	-	-	-	-	-	-	-	-	500	-	-	817	
	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	
trogen	mg/L	-	-	5.47	-	5.4	-	7.45	-	12.6	-	14.6	-	-	8	
culation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	8	
	std. units	-	-	7.4	-	7.5	-	7.6	-	7.7	-	7.8	-	-	7.38	
	std. units	-	-	7.69	7.36	7.3	7.25	-	7.65	7.12	7.49	7.8	7.34	-	6.89	
	mg/L	-	-	120	-	84.2	-	58	-	102	-	46.4	-	-	64	
rbon (TOC)	mg/L	-	-	19	-	3.8	-	8.8	-	4.1	-	9	-	-	-	
d)	Celcius	-	-	3	-	-	-	-	13	15	8	3	12	-	7.5	
	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-	4	

ECA\QUARTSMP\ASH\HIST3

Barn Well Shallow
Ash Landfill

Parameters	Source: Units	PES Nov 1993 4	PES Jan 1994 1	PES July 1994 2	PES Sept 1994 3	PES 1994 4	PES Mar 1995 1	PES June 1995 2	PES Sept 1995 3	PES Jan 1996 4	PES Mar 1996 1	PES June 1996 2	PES Sept 1996 3	PES Dec 1996 4
METALS														
Aluminum	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
MISCELLANEOUS														
Ethene	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Methane	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferrous Iron	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfide	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
DOC	mg C/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Redox Potential	mV	-	-	-	-	-	-	-	-	-	-	-	-	-
Alkalinity (total)	mg CaCO3/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Halogens/Halides (TOX)	mg/L	ND	ND	-	-	-	-	-	-	-	-	-	-	-
Chloride	mg/L	18	24	-	-	-	-	-	-	-	-	-	-	-
Conductivity (field)	umhos/cm	-	-	-	-	-	-	-	-	-	-	-	-	-
Conductivity (lab)	umhos/cm	880	880	-	-	-	-	-	-	-	-	-	-	-
Nitrite Nitrogen	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nitrate/Nitrite Nitrogen	mg/L	13	12	-	-	-	-	-	-	-	-	-	-	-
Nitrate as N - Calculation	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
pH (Lab)	std. units	7.44	7.37	-	-	-	-	-	-	-	-	-	-	-
pH (field)	std. units	-	-	-	-	-	-	-	-	-	-	-	-	-
Sulfate	mg/L	110	100	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (TOC)	mg/L	4	2	-	-	-	-	-	-	-	-	-	-	-
Temperature (field)	Celcius	-	-	-	-	-	-	-	-	-	-	-	-	-
Turbidity	NTUs	-	-	-	-	-	-	-	-	-	-	-	-	-
FHBARN.WK1		-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX C

Laboratory Analytical Packages with QA/QC Data

1. **Sample Delivery Group No. 63438**

   A. **Indicator Parameters**
   B. **Metals**
   C. **Volatile Organics (524.2)**

2. **Sample Delivery Group No. 63471**

   A. **Indicator Parameters**
   B. **Metals**
   C. **Volatile Organics (TCL)**

1. **Sample Delivery Group No. 63438**

SAMPLE DATA SUMMARY PACKAGE
LAB CODE: INCHVT
CONTRACT NO.: 93206
CASE NO.: 93206
SDG NO.: 603438

Inchcape Testing Services

ITS Environmental Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

February 3, 1997

Mr. Mike Duchesneau
Parsons Engineering Science
Prudential Center
Boston, MA 02199

Re: Laboratory Project No. 93206
Case No.93206; SDG 63438

Dear Mr. Duchesneau:

Enclosed are the analytical results of samples received intact by ITS Environmental Laboratories on January 09, 10 and 11, 1997. Laboratory numbers and quality control samples have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 01/09/97 ETR No: 63438		
323399	AL040	01/07/97	Water
323400	AL041	01/07/97	Water
323401	AL041F	01/07/97	Filtrate
323401R1	AL041F	01/07/97	Filtrate
323401R2	AL041F	01/07/97	Filtrate
323401R3	AL041F	01/07/97	Filtrate
323402	AL042	01/07/97	Water
323403	AL042F	01/07/97	Filtrate
323403R1	AL042F	01/07/97	Filtrate
323403R2	AL042F	01/07/97	Filtrate
323403R3	AL042F	01/07/97	Filtrate
323404	AL043	01/07/97	Water
323405	AL043F	01/07/97	Filtrate
323405R1	AL043F	01/07/97	Filtrate
323405R2	AL043F	01/07/97	Filtrate

CC1

Lab ID	Client Sample ID	Sample Date	Sample Matrix
Received: 01/09/97 ETR No: 63438 (continued)			
323405R3	AL043F	01/07/97	Filtrate
323406	AL045	01/08/97	Water
323407	AL045F	01/08/97	Filtrate
323407R1	AL045F	01/08/97	Filtrate
323407R2	AL045F	01/08/97	Filtrate
323407R3	AL045F	01/08/97	Filtrate
323455	HB	01/10/97	Water
Received : 01/10/97 ETR No.: 63450			
323554	AL044	01/08/97	Water
323555	AL046	01/08/97	Water
323556	AL046F	01/08/97	Filtrate
323557	AL047	01/08/97	Water
323558	AL047F	01/08/97	Filtrate
323559	AL048	01/08/97	Water
323560	AL048F	01/08/97	Filtrate
323561	AL049	01/09/97	Water
323562	AL050	01/09/97	Water
323563	AL050F	01/09/97	Filtrate
323564	AL051	01/09/97	Water
323564MS	AL051MS	01/09/97	Water
323564MD	AL051MSD	01/09/97	Water
323565	AL051F	01/09/97	Filtrate
323566	AL052	01/09/97	Water
323567	AL053	01/09/97	Water
323568	AL053F	01/09/97	Filtrate
323569	AL054	01/09/97	Water
323570	AL054F	01/09/97	Filtrate
323571	AL055	01/09/97	Water
323572	AL055F	01/09/97	Filtrate
323573	AL056	01/09/97	Water
323574	AL056F	01/09/97	Filtrate
323575	AL057	01/09/97	Water
323576	AL057F	01/09/97	Filtrate
323580	MSB		Liquid
323556R1	AL046F	01/08/97	Filtrate

323556R2	AL046F	01/08/97	Filtrate
323556R3	AL046F	01/08/97	Filtrate

Lab ID	Client Sample ID	Sample Date	Sample Matrix

Received: 01/10/97 ETR No.: 63450 (continued)

323558R1	AL047F	01/08/97	Filtrate
323558R2	AL047F	01/08/97	Filtrate
323558R3	AL047F	01/08/97	Filtrate
323560R1	AL048F	01/08/97	Filtrate
323560R2	AL048F	01/08/97	Filtrate
323560R3	AL048F	01/08/97	Filtrate
323563R1	AL050F	01/09/97	Filtrate
323563R2	AL050F	01/09/97	Filtrate
323563R3	AL050F	01/09/97	Filtrate
323565R1	AL051F	01/09/97	Filtrate
323565R2	AL051F	01/09/97	Filtrate
323565R3	AL051F	01/09/97	Filtrate
323568R1	AL053F	01/09/97	Filtrate
323568R2	AL053F	01/09/97	Filtrate
323568R3	AL053F	01/09/97	Filtrate
323570R1	AL054F	01/09/97	Filtrate
323570R2	AL054F	01/09/97	Filtrate
323570R3	AL054F	01/09/97	Filtrate
323572R1	AL055F	01/09/97	Filtrate
323572R2	AL055F	1/09/97	Filtrate
323572R3	AL055F	01/09/97	Filtrate
323574R1	AL056F	01/09/97	Filtrate
323574R2	AL056F	01/09/97	Filtrate
323574R3	AL056F	01/09/97	Filtrate
323576R1	AL057F	01/09/97	Filtrate
323576R2	AL057F	01/09/97	Filtrate
323576R3	AL057F	01/09/97	Filtrate

Received: 01/11/97 ETR No. 63470

323726	AL062	01/10/97	Water
323727	AL062F	01/10/97	Filtrate
323727R1	Al062F	01/10/97	Filtrate
323727R2	AL062F	01/10/97	Filtrate
323727R3	AL062F	01/10/97	Filtrate

A volatile oragnic holding blank labeled HB was carried through the holding period and analyzed in this case. The data for this sample has been included in the sample preparation section for your review.

For the benefit of interested parties, documentation of sample handling and preparation is included at the end of the "Sample Data Package." Colored sheets of paper entitled "Sample Preparation" and "Sample Handling" have been used to explicitly mark the location of these documents.

If there are any questions regarding this submittal, please contact Christopher A. Ouellette at (802) 655-1203.

Sincerely,

Karen R. Chirgwin

Karen R. Chirgwin
Laboratory Operations Director

KRC/bss

Enclosure

ITS Environmental
Laboratories

55 South Park Drive
Colchester, VT 05446

Analytical Report

Parsons Engineering Science
Prudential Center
Boston, MA 02199

Attention : Mike Duchesneau

Date : 01/31/97
ETR Number : 63438
Project No.: 93206
No. Samples: 22
Arrived : 01/09/97
P.O. Number: 730769000003

Case:93206 SDG:63438

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323400	AL041:01/07/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	0.17
310.1	Alkalinity (as CaCO3)	576
300.0	Chloride	36.1
300.0	Sulfate	180
323401	AL041F:01/07/97 (Filtrate)	
9060	Total Organic Carbon	4.4
323401R1	AL041F:01/07/97 (Filtrate)	
9060	Total Organic Carbon	4.5
323401R2	AL041F:01/07/97 (Filtrate)	
9060	Total Organic Carbon	4.4
323401R3	AL041F:01/07/97 (Filtrate)	
9060	Total Organic Carbon	4.4
323402	AL042:01/07/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	<0.01
310.1	Alkalinity (as CaCO3)	310
300.0	Chloride	18.5
300.0	Sulfate	40.3
323403	AL042F:01/07/97 (Filtrate)	
9060	Total Organic Carbon	2.0
323403R1	AL042F:01/07/97 (Filtrate)	
9060	Total Organic Carbon	1.9

< Cont. Next Page >

ITS Environmental
Laboratories

55 South Park Drive
Colchester, VT 05446

Analytical Report

Parsons Engineering Science
Prudential Center
Boston, MA 02199

Attention : Mike Duchesneau

Date : 01/31/97
ETR Number : 63438
Project No.: 93206
No. Samples: 22
Arrived : 01/09/97
P.O. Number: 730769000003

Case:93206 SDG:63438

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323403R2	AL042F:01/07/97 (Filtrate)	
9060	Total Organic Carbon	1.8
323403R3	AL042F:01/07/97 (Filtrate)	
9060	Total Organic Carbon	1.8
323404	AL043:01/07/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	0.05
310.1	Alkalinity (as CaCO3)	249
300.0	Chloride	7.7
300.0	Sulfate	56.0
323405	AL043F:01/07/97 (Filtrate)	
9060	Total Organic Carbon	0.9
323405R1	AL043F:01/07/97 (Filtrate)	
9060	Total Organic Carbon	0.9
323405R2	AL043F:01/07/97 (Filtrate)	
9060	Total Organic Carbon	0.9
323405R3	AL043F:01/07/97 (Filtrate)	
9060	Total Organic Carbon	0.9
323406	AL045:01/08/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	0.09
310.1	Alkalinity (as CaCO3)	380
300.0	Chloride	23.3
300.0	Sulfate	153

< Cont. Next Page >

ITS Environmental Laboratories

55 South Park Drive
Colchester, VT 05446

Analytical Report

Parsons Engineering Science
Prudential Center
Boston, MA 02199

Attention : Mike Duchesneau

Date : 01/31/97
ETR Number : 63438
Project No.: 93206
No. Samples: 22
Arrived : 01/09/97
P.O. Number: 730769000003

Case:93206 SDG:63438

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323407	AL045F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	2.7
323407R1	AL045F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	2.6
323407R2	AL045F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	2.7
323407R3	AL045F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	2.6

< Last Page > Submitted By : Aquatec Inc.

ITS Environmental Laboratories

55 South Park Drive
Colchester, VT 05446

Analytical Report

Parsons Engineering Science
Prudential Center
Boston, MA 02199

Attention : Mike Duchesneau

Date : 01/31/97
ETR Number : 63450
Project No.: 93206
No. Samples: 57
Arrived : 01/10/97
P.O. Number: 730769000003

Case:93206 SDG:63438

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323555	AL046:01/08/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	0.04
310.1	Alkalinity (as CaCO3)	280
300.0	Chloride	34.8
300.0	Sulfate	37.5
323556	AL046F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	1.9
323557	AL047:01/08/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	<0.01
310.1	Alkalinity (as CaCO3)	294
300.0	Chloride	13.3
300.0	Sulfate	32.4
323558	AL047F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	1.8
323559	AL048:01/08/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	0.04
310.1	Alkalinity (as CaCO3)	250
300.0	Chloride	12.4
300.0	Sulfate	37.9
323560	AL048F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	1.9
323562	AL050:01/09/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	0.03
310.1	Alkalinity (as CaCO3)	318

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All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323562	AL050:01/09/97 (Water)	
300.0	Chloride	19.4
300.0	Sulfate	44.3
323563	AL050F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	2.1
323564	AL051:01/09/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	0.74
310.1	Alkalinity (as CaCO3)	336
300.0	Chloride	28.9
300.0	Sulfate	62.4
323565	AL051F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.1
323573	AL056:01/09/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	0.57
310.1	Alkalinity (as CaCO3)	330
300.0	Chloride	17.5
300.0	Sulfate	44.1
323574	AL056F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.6
323575	AL057:01/09/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	0.56
310.1	Alkalinity (as CaCO3)	276
300.0	Chloride	14.0
300.0	Sulfate	53.4

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All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323576	AL057F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.2
323556R1	AL046F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	1.9
323556R2	AL046F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	1.9
323556R3	AL046F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	3.9
323558R1	AL047F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	1.8
323558R2	AL047F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	1.6
323558R3	AL047F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	1.6
323560R1	AL048F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	1.8
323560R2	AL048F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	1.8
323560R3	AL048F:01/08/97 (Filtrate)	
9060	Total Organic Carbon	1.8

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Date : 01/31/97
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Project No.: 93206
No. Samples: 57
Arrived : 01/10/97
P.O. Number: 730769000003

Case:93206 SDG:63438

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All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323563R1	AL050F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	2.1
323563R2	AL050F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.8
323563R3	AL050F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.7
323565R1	AL051F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.1
323565R2	AL051F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.3
323565R3	AL051F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.2
323574R1	AL056F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.6
323574R2	AL056F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.4
323574R3	AL056F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.4
323576R1	AL057F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.1

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Attention : Mike Duchesneau

Date : 01/31/97
ETR Number : 63450
Project No.: 93206
No. Samples: 57
Arrived : 01/10/97
P.O. Number: 730769000003

Case:93206 SDG:63438

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323576R2	AL057F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.3
323576R3	AL057F:01/09/97 (Filtrate)	
9060	Total Organic Carbon	1.3

< Last Page > Submitted By : Aquatec Inc.

ITS Environmental
Laboratories

55 South Park Drive
Colchester, VT 05446

Analytical Report

Parsons Engineering Science
Prudential Center
Boston, MA 02199

Attention : Mike Duchesneau

Date : 01/31/97
ETR Number : 63470
Project No.: 93206
No. Samples: 5
Arrived : 01/11/97
P.O. Number: 730769000003

Case:93206 SDG:63438

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323726	AL062:01/10/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	0.07
310.1	Alkalinity (as CaCO3)	266
300.0	Chloride	32.4
300.0	Sulfate	47.7
323727	AL062F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.9
323727R1	AL062F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.9
323727R2	AL062F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.8
323727R3	AL062F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	2.2

< Last Page > Submitted By : Aquatec Inc.

Inchcape Testing Services
Environmental Laboratories

Quality Control Summary

Project No: 93206
SDG No: 63438
Units: mg/L

Parameter	Date Analyzed	Method Preparation Blank	Laboratory Control Sample		
			Reported Value	True Value	Percent Recovery
Alkalinity (as CaCO3)	01/15/97	2 *	252	237	106.3
Alkalinity (as CaCO3)	01/16/97	< 1	250	237	105.5
Chloride by IC	01/21/97	< 0.1	4.92	5.00	98.4
Chloride by IC	01/23/97	< 0.1	5.05	5.00	101.0
Nitrate/Nitrite-Nitrogen	01/24/97	< 0.01	9.30	9.33	99.7
Nitrate/Nitrite-Nitrogen	01/27/97	< 0.01	9.33	9.33	100.0
Sulfate by IC	01/21/97	< 0.1	9.91	10.00	99.1
Sulfate by IC	01/23/97	< 0.1	9.93	10.00	99.3
Total Organic Carbon	01/27/97	< 0.5	55.8	58.4	95.5
Total Organic Carbon	01/28/97	< 0.5	55.4	58.4	94.9
Total Organic Carbon	01/30/97	< 0.5	57.6	58.4	98.6
Total Organic Carbon	01/31/97	< 0.5	58.7	58.4	100.5

* All associated samples > 100X detection limit.

Reviewed By: SMW
Date: 1/31/97

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206 SAS No.: _____ SDG No.:63438_

SOW No.: ILM02.1

EPA Sample No.	Lab Sample ID
_AL047_____	_323557_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

_____

_____

_____

_____

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

Signature: _____ Name: _____

Date: _____ Title: _____

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

AL047

ab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63438_

atrix (soil/water): WATER Lab Sample ID: 323557

Level (low/med): LOW__ Date Received: 01/10/97

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		_		NR
7440-36-0	Antimony_		_		NR
7440-38-2	Arsenic__		_		NR
7440-39-3	Barium___		_		NR
7440-41-7	Beryllium		_		NR
7440-43-9	Cadmium__	0.30	U		P_
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_	1.0	U		P_
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___		_		NR
7439-89-6	Iron_____		_		NR
7439-92-1	Lead_____	2.2	U		P_
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese	24.7	_		P_
7439-97-6	Mercury__		_		NR
7440-02-0	Nickel___	2.1	U		P_
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_		_		NR
7440-22-4	Silver___		_		NR
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_		_		NR
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc_____		_		NR
_____	Cyanide__		_		NR
_____	_____		_		__

olor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63438_

Initial Calibration Source: VENTURES____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium	500.0	512.70	102.5	100.0	99.10	99.1	101.80	101.8	P
Calcium									NR
Chromium	500.0	513.70	102.7	200.0	197.40	98.7	199.80	99.9	P
Cobalt									NR
Copper									NR
Iron									NR
Lead	1000.0	1045.00	104.5	400.0	408.80	102.2	415.10	103.8	P
Magnesium									NR
Manganese	500.0	511.10	102.2	200.0	198.10	99.0	200.20	100.1	P
Mercury									NR
Nickel	500.0	515.90	103.2	200.0	197.20	98.6	200.20	100.1	P
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

ab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63438_

Initial Calibration Source: VENTURES____

ontinuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium				100.0	101.60	101.6	102.60	102.6	P
Calcium									NR
Chromium				200.0	202.70	101.4	198.00	99.0	P
Cobalt									NR
Copper									NR
Iron									NR
Lead				400.0	419.70	104.9	404.40	101.1	P
Magnesium									NR
Manganese				200.0	201.10	100.6	198.30	99.2	P
Mercury									NR
Nickel				200.0	206.10	103.0	192.60	96.3	P
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63438_

Initial Calibration Source: VENTURES____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium				100.0	104.80	104.8			P
Calcium									NR
Chromium				200.0	201.20	100.6			P
Cobalt									NR
Copper									NR
Iron									NR
Lead				400.0	415.50	103.9			P
Magnesium									NR
Manganese				200.0	200.20	100.1			P
Mercury									NR
Nickel				200.0	196.80	98.4			P
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

ab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63438_

AA CRDL Standard Source: VENTURES____

CP CRDL Standard Source: VENTURES____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium				10.0	10.67	106.7	11.16	111.6
Calcium								
Chromium				20.0	20.68	103.4	21.28	106.4
Cobalt								
Copper								
Iron								
Lead				6.0	7.74	129.0	7.39	123.2
Magnesium								
Manganese				30.0	31.71	105.7	31.91	106.4
Mercury								
Nickel				80.0	85.12	106.4	83.54	104.4
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

3
BLANKS

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63438_

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium	0.3	U	0.3	U	0.3	U	0.3	U	0.300	U	P
Calcium											NR
Chromium	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	P
Cobalt											NR
Copper											NR
Iron											NR
Lead	2.2	U	2.2	U	2.2	U	2.2	U	2.200	U	P
Magnesium											NR
Manganese	0.3	U	0.3	U	0.3	U	0.3	U	0.300	U	P
Mercury											NR
Nickel	2.1	U	2.1	U	2.1	U	2.1	U	2.100	U	P
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

3
BLANKS

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

ab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63438_

Preparation Blank Matrix (soil/water): _____

reparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium			0.3	U	0.3	U					P
Calcium											NR
Chromium			1.0	U	1.0	U					P
Cobalt											NR
Copper											NR
Iron											NR
Lead			2.2	U	2.2	U					P
Magnesium											NR
Manganese			0.3	U	0.3	U					P
Mercury											NR
Nickel			2.1	U	2.1	U					P
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

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4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No: _____ SDG No.: 63438_

ICP ID Number: ICP4 TJA 61E ICS Source: VENTURES____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium	0	941	7	979.6	104.1	5	1036.0	110.1
Calcium								
Chromium	0	489	4	499.1	102.1	4	505.4	103.4
Cobalt								
Copper								
Iron								
Lead	0	49	-2	48.1	98.2	-6	45.2	92.2
Magnesium								
Manganese	0	492	-1	498.5	101.3	-1	502.4	102.1
Mercury								
Nickel	0	947	1	981.1	103.6	1	971.7	102.6
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

7
LABORATORY CONTROL SAMPLE

ab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63438_

Solid LCS Source: _____

queous LCS Source: VENTURES____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum_									
Antimony_									
Arsenic__									
Barium___									
Beryllium									
Cadmium__	525.0	538.40	102.6_						
Calcium__									
Chromium_	500.0	510.60	102.1_						
Cobalt___									
Copper___									
Iron_____									
Lead_____	1015.0	1056.00	104.0_						
Magnesium									
Manganese	500.0	507.10	101.4_						
Mercury__									
Nickel___	500.0	510.40	102.1_						
Potassium									
Selenium_									
Silver___									
Sodium___									
Thallium_									
Vanadium_									
Zinc_____									
Cyanide__									

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8
STANDARD ADDITION RESULTS

Lab Name: ITS_ENVIRONMENTAL_____ Contract:93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.:_____ SDG No.:63438_

Concentration Units: ug/L

EPA Sample No.	An	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r	Q

9
ICP SERIAL DILUTION

EPA SAMPLE NO.
AL047L

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63438_

Matrix (soil/water): WATER Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium	0.30	U	1.50	U			P
Calcium							NR
Chromium	1.00	U	5.00	U			P
Cobalt							NR
Copper							NR
Iron							NR
Lead	2.20	U	11.00	U			P
Magnesium							NR
Manganese	24.72		23.64	B	4.4		P
Mercury							NR
Nickel	2.10	U	10.50	U			P
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR

10
Instrument Detection Limits (Quarterly)

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63438_

ICP ID Number: ICP4_TJA_61E Date: 01/01/97

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium	226.50		5	0.3	P
Calcium			5000		NR
Chromium	267.72		10	1.0	P
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead	220.35		3	2.2	P
Magnesium			5000		NR
Manganese	257.61		15	0.3	P
Mercury			0.2		NR
Nickel	231.60		40	2.1	P
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

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11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

ab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63438_

CP ID Number: ICP4 TJA 61E Date: 01/01/97

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	CO_
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	-0.0000390	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000400	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0001035	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	-0.0000596	-0.0000184	0.0000823	0.0000111	-0.0048710
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	-0.0011240
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0000000	0.0000000	-0.0001999	0.0000000	-0.0000465
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	-0.0000100	0.0000000	-0.0000800	0.0000000	0.0049700
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

omments:

U.S. EPA - CLP

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63438_

ICP ID Number: ICP4 TJA 61E Date: 01/01/97

Analyte	Wave-length (nm)	Interelement Correction Factors for : CR_	MN_	NI_	V__	___
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0264000	
Antimony	206.84	0.0055040	0.0000000	-0.0002668	-0.0036670	
Arsenic	189.04	-0.0029900	0.0000000	0.0000000	0.0000000	
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0011400	
Cadmium	226.50	0.0000000	0.0000000	-0.0000329	0.0000000	
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	
Chromium	267.72	0.0000000	0.0000704	0.0000000	-0.0000540	
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	
Lead	220.35	-0.0001864	0.0000279	0.0002131	-0.0006255	
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	
Mercury						
Nickel	231.60	0.0000000	-0.0001310	0.0000000	0.0000000	
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	
Selenium	196.03	0.0000000	0.0002108	0.0000000	0.0000188	
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	
Thallium	190.86	0.0003750	-0.0005820	0.0000000	0.0036030	
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	
Zinc	213.86	0.0000000	0.0000000	0.0000000	0.0000000	

Comments:

12
ICP LINEAR RANGES (QUARTERLY)

ab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63438_

CP ID Number: ICP4 TJA 61E Date: 01/01/97

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	10.00	500000.0	P
Antimony	10.00	100000.0	P
Arsenic	10.00	20000.0	P
Barium	10.00	10000.0	P
Beryllium	10.00	10000.0	P
Cadmium	10.00	10000.0	P
Calcium	10.00	500000.0	P
Chromium	10.00	100000.0	P
Cobalt	10.00	50000.0	P
Copper	10.00	100000.0	P
Iron	10.00	500000.0	P
Lead	10.00	100000.0	P
Magnesium	10.00	500000.0	P
Manganese	10.00	10000.0	P
Mercury			NR
Nickel	10.00	50000.0	P
Potassium	10.00	100000.0	P
Selenium	10.00	4000.0	P
Silver	10.00	2000.0	P
Sodium	10.00	100000.0	P
Thallium	10.00	10000.0	P
Vanadium	10.00	100000.0	P
Zinc	10.00	4000.0	P

Comments:

13
PREPARATION LOG

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.:_93206_ SAS No.: _____ SDG No.:63438_

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
AL047	01/15/97		100
LCSW	01/15/97		100
PBW	01/15/97		100

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ANALYSIS RUN LOG

ab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.:63438_

nstrument ID Number: ICP4 TJA 61E_ Method: P_

Start Date: 01/17/97 End Date: 01/17/97

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1451		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
S	1.00	1455		_	_	_	X	X	X	_	X	X	X	_	_	_	X	_	X	_	_	X	_	_	X	X	_
S	1.00	1459		X	_	_	_	_	_	X	_	_	_	X	_	X	_	_	_	X	_	_	X	_	_	_	_
S	1.00	1504		_	X	X	_	_	_	_	_	_	_	_	X	_	_	_	_	_	X	_	_	X	_	_	_
ICV	1.00	1509		_	_	_	_	_	X	_	X	_	_	_	X	_	X	_	X	_	_	_	_	_	_	_	_
ICB	1.00	1514		_	_	_	_	_	X	_	X	_	_	_	X	_	X	_	X	_	_	_	_	_	_	_	_
ICSA	1.00	1518		_	_	_	_	_	X	_	X	_	_	_	X	_	X	_	X	_	_	_	_	_	_	_	_
ICSAB	1.00	1523		_	_	_	_	_	X	_	X	_	_	_	X	_	X	_	X	_	_	_	_	_	_	_	_
CRI	1.00	1527		_	_	_	_	_	X	_	X	_	_	_	X	_	X	_	X	_	_	_	_	_	_	_	_
CCV	1.00	1532		_	_	_	_	_	X	_	X	_	_	_	X	_	X	_	X	_	_	_	_	_	_	_	_
CCB	1.00	1537		_	_	_	_	_	X	_	X	_	_	_	X	_	X	_	X	_	_	_	_	_	_	_	_
PBW	1.00	1541		_	_	_	_	_	X	_	X	_	_	_	X	_	X	_	X	_	_	_	_	_	_	_	_
LCSW	1.00	1546		_	_	_	_	_	X	_	X	_	_	_	X	_	X	_	X	_	_	_	_	_	_	_	_
AL047	1.00	1550		_	_	_	_	_	X	_	X	_	_	_	X	_	X	_	X	_	_	_	_	_	_	_	_
AL047L	5.00	1555		_	_	_	_	_	X	_	X	_	_	_	X	_	X	_	X	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1559		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1604		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1608		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	5.00	1613		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1617		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1621		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1626		_	_	_	_	_	X	_	X	_	_	_	X	_	X	_	X	_	_	_	_	_	_	_	_
CCB	1.00	1631		_	_	_	_	_	X	_	X	_	_	_	X	_	X	_	X	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1635		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1640		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1644		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1649		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1653		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1658		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1702		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1707		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1711		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

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14
ANALYSIS RUN LOG

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.:63438_

Instrument ID Number: ICP4 TJA 61E_ Method: P_

Start Date: 01/17/97 End Date: 01/17/97

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	5.00	1716																												
CCV	1.00	1720							X		X				X		X		X											
CCB	1.00	1725							X		X				X		X		X											
ZZZZZZ	1.00	1729																												
ZZZZZZ	1.00	1734																												
ZZZZZZ	1.00	1738																												
ZZZZZZ	1.00	1743																												
ZZZZZZ	1.00	1747																												
ZZZZZZ	1.00	1752																												
ZZZZZZ	1.00	1756																												
ZZZZZZ	1.00	1801																												
ZZZZZZ	1.00	1805																												
ZZZZZZ	1.00	1810																												
CCV	1.00	1814							X		X				X		X		X											
CCB	1.00	1819							X		X				X		X		X											
ZZZZZZ	1.00	1823																												
ZZZZZZ	1.00	1828																												
ZZZZZZ	1.00	1832																												
ZZZZZZ	1.00	1837																												
ZZZZZZ	5.00	1841																												
ZZZZZZ	1.00	1846																												
ICSA	1.00	1850							X		X				X		X		X											
ICSAB	1.00	1855							X		X				X		X		X											
CRI	1.00	1859							X		X				X		X		X											
CCV	1.00	1904							X		X				X		X		X											
CCB	1.00	1909							X		X				X		X		X											

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AL040

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323399

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323399V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL040

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323399

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323399V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL040

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323399

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323399V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL041

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323400

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323400V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL041

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323400

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323400V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL041

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323400

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323400V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL042

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323402

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323402V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL042

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323402

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323402V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL042

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323402

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323402V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL043

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323404

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323404V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL043

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323404

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323404V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL043

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323404

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323404V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL045

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323406

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323406V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	7	
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL045

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323406

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323406V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL045

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323406

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323406V.D

Level: (low/med) LOW Date Received: 01/09/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	75-45-6	Methane, chlorodifluoro-	2.223	53	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL044

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323554

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323554I2V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL044

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323554

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323554I2V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL044

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323554

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323554I2V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL046

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323555

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323555V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	4	J
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL046

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323555

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323555V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL046

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323555

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323555V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL047

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323557

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323557V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL047

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323557

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323557V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL047

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323557

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323557V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL048

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323559

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323559I2V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AL048

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323559

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323559I2V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL048

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323559

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323559I2V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL049

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323561

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323561I2V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	7	
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	2	
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL049

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323561

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323561I2V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL049

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323561

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323561I2V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-63-0	Isopropyl Alcohol	5.678	26	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL050

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323562

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323562V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	13	
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL050

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323562

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323562V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL050

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323562

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323562V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL051

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323564

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323564V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL051

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323564

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323564V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL051

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323564

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323564V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL052

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323566

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323566V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AL052

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323566

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323566V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL052

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323566

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323566V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL053

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323567

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323567V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL053

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323567

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323567V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL053

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323567

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323567V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL054

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323569

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323569V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AL054

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323569

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323569V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL054

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323569

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323569V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL055

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323571

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323571V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL055

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323571

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323571V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL055

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323571

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323571V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL056

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323573

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323573V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL056

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323573

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323573V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL056

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323573

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323573V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL057

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323575

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323575V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	1	
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL057

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323575

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323575V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

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EPA SAMPLE NO.

AL057

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323575

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323575V.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL062

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323726

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323726V.D

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.4	J
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL062

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323726

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323726V.D

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL062

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323726

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323726V.D

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKY4

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: VBLKY4

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LIQB001AV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
1634-04-4	Methyl-t-Butyl Ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKY4

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: VBLKY4

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LIQB001AV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
123-91-1	1,4-Dioxane	50	U
109-99-9	Tetrahydrofuran	50	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKY4

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: VBLKY4

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LIQB001AV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKY5

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: VBLKY5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLUB001AV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
1634-04-4	Methyl-t-Butyl Ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKY5

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: VBLKY5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLUB001AV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
123-91-1	1,4-Dioxane	50	U
109-99-9	Tetrahydrofuran	50	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKY5

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: VBLKY5

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLUB001AV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKY7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: VBLKY7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLUB002BV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
1634-04-4	Methyl-t-Butyl Ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKY7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: VBLKY7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLUB002BV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
123-91-1	1,4-Dioxane	50	U
109-99-9	Tetrahydrofuran	50	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKY7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: VBLKY7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLUB002BV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL051MS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323564MS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323564MSV.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	11	
74-87-3	Chloromethane	12	
75-01-4	Vinyl Chloride	12	
74-83-9	Bromomethane	10	
75-00-3	Chloroethane	13	
75-69-4	Trichlorofluoromethane	11	
67-64-1	Acetone	28	
75-35-4	1,1-Dichloroethene	11	
156-60-5	trans-1,2-Dichloroethene	11	
75-15-0	Carbon Disulfide	7	
75-09-2	Methylene Chloride	11	
75-34-3	1,1-Dichloroethane	11	
156-59-2	cis-1,2-Dichloroethene	11	
78-93-3	2-Butanone	30	
590-20-7	2,2-Dichloropropane	10	
67-66-3	Chloroform	11	
74-97-5	Bromochloromethane	10	
71-55-6	1,1,1-Trichloroethane	11	
563-58-6	1,1-Dichloropropene	10	
56-23-5	Carbon Tetrachloride	10	
107-06-2	1,2-Dichloroethane	12	
71-43-2	Benzene	10	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	11	
75-27-4	Bromodichloromethane	10	
74-95-3	Dibromomethane	11	
108-10-1	4-Methyl-2-Pentanone	31	
10061-01-5	cis-1,3-Dichloropropene	9	
108-88-3	Toluene	10	
10061-02-6	trans-1,3-Dichloropropene	9	
79-00-5	1,1,2-Trichloroethane	10	
591-78-6	2-Hexanone	30	
142-28-9	1,3-Dichloropropane	10	

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL051MS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323564MS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323564MSV.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	9	
124-48-1	Dibromochloromethane	8	
106-93-4	1,2-Dibromoethane	10	
108-90-7	Chlorobenzene	10	
630-20-6	1,1,1,2-Tetrachloroethane	9	
100-41-4	Ethylbenzene	9	
1330-20-7	Xylene (total)	29	
100-42-5	Styrene	7	
75-25-2	Bromoform	6	
98-82-8	Isopropylbenzene	9	
79-34-5	1,1,2,2-Tetrachloroethane	10	
96-18-4	1,2,3-Trichloropropane	10	
108-86-1	Bromobenzene	9	
103-65-1	n-Propylbenzene	9	
95-49-8	2-Chlorotoluene	9	
108-67-8	1,3,5-Trimethylbenzene	9	
106-43-4	4-Chlorotoluene	9	
98-06-6	tert-Butylbenzene	9	
95-63-6	1,2,4-Trimethylbenzene	9	
135-98-8	sec-Butylbenzene	9	
99-87-6	p-Isopropyltoluene	9	
541-73-1	1,3-Dichlorobenzene	9	
106-46-7	1,4-Dichlorobenzene	9	
104-51-8	n-Butylbenzene	9	
95-50-1	1,2-Dichlorobenzene	9	
96-12-8	1,2-Dibromo-3-Chloropropane	8	
120-82-1	1,2,4-Trichlorobenzene	9	
87-68-3	Hexachlorobutadiene	8	
91-20-3	Naphthalene	9	
87-61-6	1,2,3-Trichlorobenzene	9	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL051MSD

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323564MD

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323564MDV.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	11	
74-87-3	Chloromethane	12	
75-01-4	Vinyl Chloride	12	
74-83-9	Bromomethane	11	
75-00-3	Chloroethane	13	
75-69-4	Trichlorofluoromethane	11	
67-64-1	Acetone	26	
75-35-4	1,1-Dichloroethene	11	
156-60-5	trans-1,2-Dichloroethene	11	
75-15-0	Carbon Disulfide	8	
75-09-2	Methylene Chloride	11	
75-34-3	1,1-Dichloroethane	12	
156-59-2	cis-1,2-Dichloroethene	11	
78-93-3	2-Butanone	26	
590-20-7	2,2-Dichloropropane	10	
67-66-3	Chloroform	11	
74-97-5	Bromochloromethane	10	
71-55-6	1,1,1-Trichloroethane	11	
563-58-6	1,1-Dichloropropene	10	
56-23-5	Carbon Tetrachloride	10	
107-06-2	1,2-Dichloroethane	11	
71-43-2	Benzene	11	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	11	
75-27-4	Bromodichloromethane	10	
74-95-3	Dibromomethane	10	
108-10-1	4-Methyl-2-Pentanone	29	
10061-01-5	cis-1,3-Dichloropropene	9	
108-88-3	Toluene	10	
10061-02-6	trans-1,3-Dichloropropene	9	
79-00-5	1,1,2-Trichloroethane	10	
591-78-6	2-Hexanone	28	
142-28-9	1,3-Dichloropropane	10	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL051MSD

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323564MD

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L323564MDV.D

Level: (low/med) LOW Date Received: 01/10/97

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	10	
124-48-1	Dibromochloromethane	8	
106-93-4	1,2-Dibromoethane	9	
108-90-7	Chlorobenzene	9	
630-20-6	1,1,1,2-Tetrachloroethane	9	
100-41-4	Ethylbenzene	9	
1330-20-7	Xylene (total)	28	
100-42-5	Styrene	8	
75-25-2	Bromoform	6	
98-82-8	Isopropylbenzene	9	
79-34-5	1,1,2,2-Tetrachloroethane	9	
96-18-4	1,2,3-Trichloropropane	9	
108-86-1	Bromobenzene	9	
103-65-1	n-Propylbenzene	9	
95-49-8	2-Chlorotoluene	9	
108-67-8	1,3,5-Trimethylbenzene	9	
106-43-4	4-Chlorotoluene	9	
98-06-6	tert-Butylbenzene	9	
95-63-6	1,2,4-Trimethylbenzene	9	
135-98-8	sec-Butylbenzene	9	
99-87-6	p-Isopropyltoluene	9	
541-73-1	1,3-Dichlorobenzene	9	
106-46-7	1,4-Dichlorobenzene	9	
104-51-8	n-Butylbenzene	9	
95-50-1	1,2-Dichlorobenzene	9	
96-12-8	1,2-Dibromo-3-Chloropropane	8	
120-82-1	1,2,4-Trichlorobenzene	9	
87-68-3	Hexachlorobutadiene	8	
91-20-3	Naphthalene	8	
87-61-6	1,2,3-Trichlorobenzene	9	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MSB

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323580

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323580V.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	12	
74-87-3	Chloromethane	12	
75-01-4	Vinyl Chloride	12	
74-83-9	Bromomethane	8	
75-00-3	Chloroethane	8	
75-69-4	Trichlorofluoromethane	11	
67-64-1	Acetone	26	
75-35-4	1,1-Dichloroethene	9	
156-60-5	trans-1,2-Dichloroethene	8	
75-15-0	Carbon Disulfide	9	
75-09-2	Methylene Chloride	9	
75-34-3	1,1-Dichloroethane	10	
156-59-2	cis-1,2-Dichloroethene	9	
78-93-3	2-Butanone	25	
590-20-7	2,2-Dichloropropane	11	
67-66-3	Chloroform	11	
74-97-5	Bromochloromethane	9	
71-55-6	1,1,1-Trichloroethane	11	
563-58-6	1,1-Dichloropropene	10	
56-23-5	Carbon Tetrachloride	11	
107-06-2	1,2-Dichloroethane	12	
71-43-2	Benzene	10	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	11	
75-27-4	Bromodichloromethane	11	
74-95-3	Dibromomethane	11	
108-10-1	4-Methyl-2-Pentanone	34	
10061-01-5	cis-1,3-Dichloropropene	11	
108-88-3	Toluene	10	
10061-02-6	trans-1,3-Dichloropropene	11	
79-00-5	1,1,2-Trichloroethane	10	
591-78-6	2-Hexanone	32	
142-28-9	1,3-Dichloropropane	11	

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MSB

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 323580

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323580V.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	10	
124-48-1	Dibromochloromethane	10	
106-93-4	1,2-Dibromoethane	10	
108-90-7	Chlorobenzene	10	
630-20-6	1,1,1,2-Tetrachloroethane	10	
100-41-4	Ethylbenzene	10	
1330-20-7	Xylene (total)	32	
100-42-5	Styrene	10	
75-25-2	Bromoform	10	
98-82-8	Isopropylbenzene	11	
79-34-5	1,1,2,2-Tetrachloroethane	11	
96-18-4	1,2,3-Trichloropropane	12	
108-86-1	Bromobenzene	10	
103-65-1	n-Propylbenzene	10	
95-49-8	2-Chlorotoluene	10	
108-67-8	1,3,5-Trimethylbenzene	11	
106-43-4	4-Chlorotoluene	10	
98-06-6	tert-Butylbenzene	11	
95-63-6	1,2,4-Trimethylbenzene	12	
135-98-8	sec-Butylbenzene	11	
99-87-6	p-Isopropyltoluene	11	
541-73-1	1,3-Dichlorobenzene	11	
106-46-7	1,4-Dichlorobenzene	11	
104-51-8	n-Butylbenzene	12	
95-50-1	1,2-Dichlorobenzene	11	
96-12-8	1,2-Dibromo-3-Chloropropane	11	
120-82-1	1,2,4-Trichlorobenzene	11	
87-68-3	Hexachlorobutadiene	11	
91-20-3	Naphthalene	12	
87-61-6	1,2,3-Trichlorobenzene	11	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0.5LIQALCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 0.5LIQALCS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LIQ0005AQV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	J
74-87-3	Chloromethane	0.6	
75-01-4	Vinyl Chloride	0.5	
74-83-9	Bromomethane	0.6	
75-00-3	Chloroethane	0.6	
75-69-4	Trichlorofluoromethane	0.5	J
67-64-1	Acetone	5	
75-35-4	1,1-Dichloroethene	0.4	J
156-60-5	trans-1,2-Dichloroethene	0.4	J
75-15-0	Carbon Disulfide	0.5	J
75-09-2	Methylene Chloride	0.6	
75-34-3	1,1-Dichloroethane	0.5	J
156-59-2	cis-1,2-Dichloroethene	0.5	J
78-93-3	2-Butanone	5	
590-20-7	2,2-Dichloropropane	0.6	
67-66-3	Chloroform	0.6	
74-97-5	Bromochloromethane	0.5	J
71-55-6	1,1,1-Trichloroethane	0.5	J
563-58-6	1,1-Dichloropropene	0.5	J
56-23-5	Carbon Tetrachloride	0.5	J
107-06-2	1,2-Dichloroethane	0.5	J
71-43-2	Benzene	0.6	
79-01-6	Trichloroethene	0.5	J
78-87-5	1,2-Dichloropropane	0.5	
75-27-4	Bromodichloromethane	0.5	J
74-95-3	Dibromomethane	0.5	J
108-10-1	4-Methyl-2-Pentanone	6	
10061-01-5	cis-1,3-Dichloropropene	0.4	J
108-88-3	Toluene	0.5	J
10061-02-6	trans-1,3-Dichloropropene	0.5	J
79-00-5	1,1,2-Trichloroethane	0.5	
591-78-6	2-Hexanone	5	
142-28-9	1,3-Dichloropropane	0.5	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0.5LIQALCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 0.5LIQALCS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LIQ0005AQV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	J
124-48-1	Dibromochloromethane	0.4	J
106-93-4	1,2-Dibromoethane	0.4	J
108-90-7	Chlorobenzene	0.4	J
630-20-6	1,1,1,2-Tetrachloroethane	0.4	J
100-41-4	Ethylbenzene	0.4	J
1330-20-7	Xylene (total)	1	
100-42-5	Styrene	0.4	J
75-25-2	Bromoform	0.4	J
98-82-8	Isopropylbenzene	0.4	J
79-34-5	1,1,2,2-Tetrachloroethane	0.5	J
96-18-4	1,2,3-Trichloropropane	0.5	J
108-86-1	Bromobenzene	0.4	J
103-65-1	n-Propylbenzene	0.4	J
95-49-8	2-Chlorotoluene	0.4	J
108-67-8	1,3,5-Trimethylbenzene	0.4	J
106-43-4	4-Chlorotoluene	0.4	J
98-06-6	tert-Butylbenzene	0.4	J
95-63-6	1,2,4-Trimethylbenzene	0.5	
135-98-8	sec-Butylbenzene	0.5	J
99-87-6	p-Isopropyltoluene	0.5	J
541-73-1	1,3-Dichlorobenzene	0.5	J
106-46-7	1,4-Dichlorobenzene	0.4	J
104-51-8	n-Butylbenzene	0.5	J
95-50-1	1,2-Dichlorobenzene	0.5	J
96-12-8	1,2-Dibromo-3-Chloropropane	0.4	J
120-82-1	1,2,4-Trichlorobenzene	0.5	
87-68-3	Hexachlorobutadiene	0.5	J
91-20-3	Naphthalene	0.5	J
87-61-6	1,2,3-Trichlorobenzene	0.5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0.5MLUALCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 0.5MLUALCS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLU0005AQV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	J
74-87-3	Chloromethane	0.6	
75-01-4	Vinyl Chloride	0.4	J
74-83-9	Bromomethane	0.4	J
75-00-3	Chloroethane	0.3	J
75-69-4	Trichlorofluoromethane	0.5	J
67-64-1	Acetone	6	
75-35-4	1,1-Dichloroethene	0.5	J
156-60-5	trans-1,2-Dichloroethene	0.5	J
75-15-0	Carbon Disulfide	0.4	J
75-09-2	Methylene Chloride	0.4	J
75-34-3	1,1-Dichloroethane	0.5	J
156-59-2	cis-1,2-Dichloroethene	0.5	J
78-93-3	2-Butanone	4	J
590-20-7	2,2-Dichloropropane	0.5	
67-66-3	Chloroform	0.5	J
74-97-5	Bromochloromethane	0.4	J
71-55-6	1,1,1-Trichloroethane	0.5	
563-58-6	1,1-Dichloropropene	0.5	J
56-23-5	Carbon Tetrachloride	0.5	J
107-06-2	1,2-Dichloroethane	0.6	
71-43-2	Benzene	0.5	
79-01-6	Trichloroethene	0.5	J
78-87-5	1,2-Dichloropropane	0.5	J
75-27-4	Bromodichloromethane	0.5	J
74-95-3	Dibromomethane	0.5	J
108-10-1	4-Methyl-2-Pentanone	6	
10061-01-5	cis-1,3-Dichloropropene	0.5	J
108-88-3	Toluene	0.5	J
10061-02-6	trans-1,3-Dichloropropene	0.5	
79-00-5	1,1,2-Trichloroethane	0.5	J
591-78-6	2-Hexanone	10	
142-28-9	1,3-Dichloropropane	0.5	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0.5MLUALCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 0.5MLUALCS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLU0005AQV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/16/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.4	J
124-48-1	Dibromochloromethane	0.4	J
106-93-4	1,2-Dibromoethane	0.4	J
108-90-7	Chlorobenzene	0.5	J
630-20-6	1,1,1,2-Tetrachloroethane	0.5	J
100-41-4	Ethylbenzene	0.5	J
1330-20-7	Xylene (total)	1	
100-42-5	Styrene	0.4	J
75-25-2	Bromoform	0.4	J
98-82-8	Isopropylbenzene	0.5	J
79-34-5	1,1,2,2-Tetrachloroethane	0.4	J
96-18-4	1,2,3-Trichloropropane	0.6	
108-86-1	Bromobenzene	0.4	J
103-65-1	n-Propylbenzene	0.4	J
95-49-8	2-Chlorotoluene	0.4	J
108-67-8	1,3,5-Trimethylbenzene	0.5	J
106-43-4	4-Chlorotoluene	0.4	J
98-06-6	tert-Butylbenzene	0.5	J
95-63-6	1,2,4-Trimethylbenzene	0.5	J
135-98-8	sec-Butylbenzene	0.5	J
99-87-6	p-Isopropyltoluene	0.5	J
541-73-1	1,3-Dichlorobenzene	0.4	J
106-46-7	1,4-Dichlorobenzene	0.5	J
104-51-8	n-Butylbenzene	0.5	J
95-50-1	1,2-Dichlorobenzene	0.4	J
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	J
120-82-1	1,2,4-Trichlorobenzene	0.4	J
87-68-3	Hexachlorobutadiene	0.4	J
91-20-3	Naphthalene	0.5	J
87-61-6	1,2,3-Trichlorobenzene	0.4	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0.5MLUBLCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 0.5MLUBLCS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLU0005BQV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.4	J
74-87-3	Chloromethane	0.5	
75-01-4	Vinyl Chloride	0.4	J
74-83-9	Bromomethane	0.3	J
75-00-3	Chloroethane	0.5	J
75-69-4	Trichlorofluoromethane	0.4	J
67-64-1	Acetone	5	J
75-35-4	1,1-Dichloroethene	0.4	J
156-60-5	trans-1,2-Dichloroethene	0.4	J
75-15-0	Carbon Disulfide	0.4	J
75-09-2	Methylene Chloride	0.3	J
75-34-3	1,1-Dichloroethane	0.5	J
156-59-2	cis-1,2-Dichloroethene	0.5	
78-93-3	2-Butanone	3	J
590-20-7	2,2-Dichloropropane	0.6	
67-66-3	Chloroform	0.5	J
74-97-5	Bromochloromethane	0.3	J
71-55-6	1,1,1-Trichloroethane	0.5	J
563-58-6	1,1-Dichloropropene	0.5	J
56-23-5	Carbon Tetrachloride	0.5	J
107-06-2	1,2-Dichloroethane	0.5	J
71-43-2	Benzene	0.5	
79-01-6	Trichloroethene	0.4	J
78-87-5	1,2-Dichloropropane	0.5	J
75-27-4	Bromodichloromethane	0.5	J
74-95-3	Dibromomethane	0.4	J
108-10-1	4-Methyl-2-Pentanone	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	J
108-88-3	Toluene	0.5	J
10061-02-6	trans-1,3-Dichloropropene	0.4	J
79-00-5	1,1,2-Trichloroethane	0.5	J
591-78-6	2-Hexanone	6	
142-28-9	1,3-Dichloropropane	0.5	J

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0.5MLUBLCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix: (soil/water) WATER Lab Sample ID: 0.5MLUBLCS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLU0005BQV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.4	J
124-48-1	Dibromochloromethane	0.4	J
106-93-4	1,2-Dibromoethane	0.4	J
108-90-7	Chlorobenzene	0.4	J
630-20-6	1,1,1,2-Tetrachloroethane	0.4	J
100-41-4	Ethylbenzene	0.5	J
1330-20-7	Xylene (total)	1	
100-42-5	Styrene	0.4	J
75-25-2	Bromoform	0.4	J
98-82-8	Isopropylbenzene	0.4	J
79-34-5	1,1,2,2-Tetrachloroethane	0.4	J
96-18-4	1,2,3-Trichloropropane	0.4	J
108-86-1	Bromobenzene	0.4	J
103-65-1	n-Propylbenzene	0.4	J
95-49-8	2-Chlorotoluene	0.4	J
108-67-8	1,3,5-Trimethylbenzene	0.4	J
106-43-4	4-Chlorotoluene	0.4	J
98-06-6	tert-Butylbenzene	0.4	J
95-63-6	1,2,4-Trimethylbenzene	0.4	J
135-98-8	sec-Butylbenzene	0.4	J
99-87-6	p-Isopropyltoluene	0.4	J
541-73-1	1,3-Dichlorobenzene	0.4	J
106-46-7	1,4-Dichlorobenzene	0.4	J
104-51-8	n-Butylbenzene	0.4	J
95-50-1	1,2-Dichlorobenzene	0.4	J
96-12-8	1,2-Dibromo-3-Chloropropane	0.7	
120-82-1	1,2,4-Trichlorobenzene	0.3	J
87-68-3	Hexachlorobutadiene	0.4	J
91-20-3	Naphthalene	0.4	J
87-61-6	1 2,3-Trichlorobenzene	0.3	J

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

	EPA SAMPLE NO.	SMC1 (DCE)#	SMC2 (BFB)#	SMC3 (DCB)#	OTHER	TOT OUT
01	VBLKY4	106	95	97		0
02	VBLKY5	116	98	85		0
03	0.5LIQALCS	107	99	98		0
04	0.5MLUALCS	124	101	90		0
05	AL040	102	99	93		0
06	AL041	108	100	99		0
07	AL042	103	99	93		0
08	AL043	107	100	98		0
09	AL046	117	93	84		0
10	AL045	109	97	96		0
11	AL044	106	97	92		0
12	AL052	108	99	99		0
13	MSB	120	111	111		0
14	AL053	106	96	93		0
15	AL054	109	97	98		0
16	AL047	114	93	81		0
17	AL055	106	99	99		0
18	AL056	107	98	94		0
19	AL057	108	100	99		0
20	AL051	111	96	91		0
21	AL048	131	98	87		0
22	AL050	107	103	98		0
23	AL049	123	98	89		0
24	AL051MS	107	104	98		0
25	AL051MSD	108	100	92		0
26	VBLKY7	108	103	93		0
27	0.5MLUBLCS	110	98	84		0
28	AL062	109	99	85		0
29						
30						

	QC LIMITS
SMC1 (DCE) = 1,2-Dichloroethane-d4	(83-143)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCB) = 1,2-Dichlorobenzene-d4	(80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - ENGSC2 Sample No.: AL051

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
o-Xylene	10	0.0	9.4	94	60-140
m- & p-Xylene	20	0.0	19	95	60-140
Dichlorodifluoromethane	10	0.0	11	110	60-140
Chloromethane	10	0.0	12	120	60-140
Vinyl Chloride	10	0.0	12	120	60-140
Bromomethane	10	0.0	9.9	99	60-140
Chloroethane	10	0.0	13	130	60-140
Trichlorofluoromethane	10	0.0	11	110	60-140
Acetone	50	0.0	28	56*	60-140
1,1-Dichloroethene	10	0.0	11	110	60-140
trans-1,2-Dichloroethen	10	0.0	11	110	60-140
Carbon Disulfide	10	0.0	7.3	73	60-140
Methylene Chloride	10	0.0	11	110	60-140
1,1-Dichloroethane	10	0.0	11	110	60-140
cis-1,2-Dichloroethene	10	0.0	11	110	60-140
2-Butanone	50	0.0	30	60	60-140
2,2-Dichloropropane	10	0.0	9.7	97	60-140
Chloroform	10	0.0	11	110	60-140
Bromochloromethane	10	0.0	10	100	60-140
1,1,1-Trichloroethane	10	0.0	11	110	60-140
1,1-Dichloropropene	10	0.0	9.8	98	60-140
Carbon Tetrachloride	10	0.0	10	100	60-140
1,2-Dichloroethane	10	0.0	12	120	60-140
Benzene	10	0.0	10	100	60-140
Trichloroethene	10	0.0	10	100	60-140
1,2-Dichloropropane	10	0.0	11	110	60-140
Bromodichloromethane	10	0.0	9.7	97	60-140
Dibromomethane	10	0.0	11	110	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - ENGSC2 Sample No.: AL051

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
4-Methyl-2-Pentanone	50	0.0	31	62	60-140
cis-1,3-Dichloropropene	10	0.0	9.0	90	60-140
Toluene	10	0.0	10	100	60-140
trans-1,3-Dichloroprope	10	0.0	8.7	87	60-140
1,1,2-Trichloroethane	10	0.0	10	100	60-140
2-Hexanone	50	0.0	30	60	60-140
1,3-Dichloropropane	10	0.0	10	100	60-140
Tetrachloroethene	10	0.0	9.4	94	60-140
Dibromochloromethane	10	0.0	7.8	78	60-140
1,2-Dibromoethane	10	0.0	9.8	98	60-140
Chlorobenzene	10	0.0	9.6	96	60-140
1,1,1,2-Tetrachloroetha	10	0.0	9.2	92	60-140
Ethylbenzene	10	0.0	9.4	94	60-140
Xylene (total)	30	0.0	29	97	60-140
Styrene	10	0.0	6.6	66	60-140
Bromoform	10	0.0	6.5	65	60-140
Isopropylbenzene	10	0.0	9.2	92	60-140
1,1,2,2-Tetrachloroetha	10	0.0	9.7	97	60-140
1,2,3-Trichloropropane	10	0.0	9.8	98	60-140
Bromobenzene	10	0.0	9.1	91	60-140
n-Propylbenzene	10	0.0	9.0	90	60-140
2-Chlorotoluene	10	0.0	9.0	90	60-140
1,3,5-Trimethylbenzene	10	0.0	8.7	87	60-140
4-Chlorotoluene	10	0.0	9.0	90	60-140
tert-Butylbenzene	10	0.0	9.1	91	60-140
1,2,4-Trimethylbenzene	10	0.0	8.6	86	60-140
sec-Butylbenzene	10	0.0	9.2	92	60-140
p-Isopropyltoluene	10	0.0	8.8	88	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - ENGSC2 Sample No.: AL051

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	10	0.0	9.0	90	60-140
1,4-Dichlorobenzene	10	0.0	8.9	89	60-140
n-Butylbenzene	10	0.0	8.8	88	60-140
1,2-Dichlorobenzene	10	0.0	9.2	92	60-140
1,2-Dibromo-3-Chloropro	10	0.0	8.2	82	60-140
1,2,4-Trichlorobenzene	10	0.0	8.8	88	60-140
Hexachlorobutadiene	10	0.0	7.8	78	60-140
Naphthalene	10	0.0	8.8	88	60-140
1,2,3-Trichlorobenzene	10	0.0	9.1	91	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - ENGSC2 Sample No.: AL051

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
o-Xylene	10	9.1	91	3*	0	60-140
m- & p-Xylene	20	18	90	5*	0	60-140
Dichlorodifluoromethane	10	11	110	0	0	60-140
Chloromethane	10	12	120	0	0	60-140
Vinyl Chloride	10	12	120	0	0	60-140
Bromomethane	10	11	110	10*	0	60-140
Chloroethane	10	13	130	0	0	60-140
Trichlorofluoromethane	10	11	110	0	0	60-140
Acetone	50	26	52*	7*	0	60-140
1,1-Dichloroethene	10	11	110	0	0	60-140
trans-1,2-Dichloroethen	10	11	110	0	0	60-140
Carbon Disulfide	10	7.8	78	7*	0	60-140
Methylene Chloride	10	11	110	0	0	60-140
1,1-Dichloroethane	10	12	120	9*	0	60-140
cis-1,2-Dichloroethene	10	11	110	0	0	60-140
2-Butanone	50	26	52*	14*	0	60-140
2,2-Dichloropropane	10	9.6	96	1*	0	60-140
Chloroform	10	11	110	0	0	60-140
Bromochloromethane	10	10	100	0	0	60-140
1,1,1-Trichloroethane	10	11	110	0	0	60-140
1,1-Dichloropropene	10	10	100	2*	0	60-140
Carbon Tetrachloride	10	10	100	0	0	60-140
1,2-Dichloroethane	10	11	110	9*	0	60-140
Benzene	10	11	110	10*	0	60-140
Trichloroethene	10	10	100	0	0	60-140
1,2-Dichloropropane	10	11	110	0	0	60-140
Bromodichloromethane	10	9.8	98	1*	0	60-140
Dibromomethane	10	10	100	10*	0	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - ENGSC2 Sample No.: AL051

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Methyl-2-Pentanone	50	29	58*	7*	0	60-140
cis-1,3-Dichloropropene	10	9.2	92	2*	0	60-140
Toluene	10	10	100	0	0	60-140
trans-1,3-Dichloroprope	10	8.8	88	1*	0	60-140
1,1,2-Trichloroethane	10	9.8	98	2*	0	60-140
2-Hexanone	50	28	56*	7*	0	60-140
1,3-Dichloropropane	10	9.9	99	1*	0	60-140
Tetrachloroethene	10	9.6	96	2*	0	60-140
Dibromochloromethane	10	7.5	75	4*	0	60-140
1,2-Dibromoethane	10	9.1	91	7*	0	60-140
Chlorobenzene	10	9.3	93	3*	0	60-140
1,1,1,2-Tetrachloroetha	10	8.8	88	4*	0	60-140
Ethylbenzene	10	9.1	91	3*	0	60-140
Xylene (total)	30	28	93	4*	0	60-140
Styrene	10	7.6	76	14*	0	60-140
Bromoform	10	6.1	61	6*	0	60-140
Isopropylbenzene	10	8.9	89	3*	0	60-140
1,1,2,2-Tetrachloroetha	10	8.6	86	12*	0	60-140
1,2,3-Trichloropropane	10	8.9	89	10*	0	60-140
Bromobenzene	10	8.8	88	3*	0	60-140
n-Propylbenzene	10	8.7	87	3*	0	60-140
2-Chlorotoluene	10	8.8	88	2*	0	60-140
1,3,5-Trimethylbenzene	10	8.6	86	1*	0	60-140
4-Chlorotoluene	10	9.0	90	0	0	60-140
tert-Butylbenzene	10	8.9	89	2*	0	60-140
1,2,4-Trimethylbenzene	10	8.7	87	1*	0	60-140
sec-Butylbenzene	10	8.9	89	3*	0	60-140
p-Isopropyltoluene	10	8.6	86	2*	0	60-140

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

* Values outside of QC limits

COMMENTS:

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - ENGSC2 Sample No.: AL051

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichlorobenzene	10	8.7	87	3*	0	60-140
1,4-Dichlorobenzene	10	8.7	87	2*	0	60-140
n-Butylbenzene	10	8.7	87	1*	0	60-140
1,2-Dichlorobenzene	10	9.0	90	2*	0	60-140
1,2-Dibromo-3-Chloropro	10	7.8	78	5*	0	60-140
1,2,4-Trichlorobenzene	10	8.7	87	1*	0	60-140
Hexachlorobutadiene	10	7.8	78	0	0	60-140
Naphthalene	10	8.2	82	7*	0	60-140
1,2,3-Trichlorobenzene	10	8.7	87	4*	0	60-140

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

* Values outside of QC limits

RPD: 47 out of 65 outside limits
Spike Recovery: 5 out of 130 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - Sample No.: MSB

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
o-Xylene	10	10	10	0*	60-140
m- & p-Xylene	20	20	20	0*	60-140
Dichlorodifluoromethane	10	12	12	0*	60-140
Chloromethane	10	12	12	0*	60-140
Vinyl Chloride	10	12	12	0*	60-140
Bromomethane	10	8.4	8.4	0*	60-140
Chloroethane	10	8.2	8.2	0*	60-140
Trichlorofluoromethane	10	11	11	0*	60-140
Acetone	50	26	26	0*	60-140
1,1-Dichloroethene	10	8.7	8.7	0*	60-140
trans-1,2-Dichloroethen	10	8.3	8.3	0*	60-140
Carbon Disulfide	10	9.0	9.0	0*	60-140
Methylene Chloride	10	8.8	8.8	0*	60-140
1,1-Dichloroethane	10	10	10	0*	60-140
cis-1,2-Dichloroethene	10	9.2	9.2	0*	60-140
2-Butanone	50	25	25	0*	60-140
2,2-Dichloropropane	10	11	11	0*	60-140
Chloroform	10	11	11	0*	60-140
Bromochloromethane	10	8.8	8.8	0*	60-140
1,1,1-Trichloroethane	10	11	11	0*	60-140
1,1-Dichloropropene	10	10	10	0*	60-140
Carbon Tetrachloride	10	11	11	0*	60-140
1,2-Dichloroethane	10	12	12	0*	60-140
Benzene	10	10	10	0*	60-140
Trichloroethene	10	10	10	0*	60-140
1,2-Dichloropropane	10	11	11	0*	60-140
Bromodichloromethane	10	11	11	0*	60-140
Dibromomethane	10	11	11	0*	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - Sample No.: MSB

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
4-Methyl-2-Pentanone	50	34	34	0*	60-140
cis-1,3-Dichloropropene	10	11	11	0*	60-140
Toluene	10	10	10	0*	60-140
trans-1,3-Dichloroprope	10	11	11	0*	60-140
1,1,2-Trichloroethane	10	10	10	0*	60-140
2-Hexanone	50	32	32	0*	60-140
1,3-Dichloropropane	10	11	11	0*	60-140
Tetrachloroethene	10	9.8	9.8	0*	60-140
Dibromochloromethane	10	9.7	9.7	0*	60-140
1,2-Dibromoethane	10	9.9	9.9	0*	60-140
Chlorobenzene	10	9.6	9.6	0*	60-140
1,1,1,2-Tetrachloroetha	10	9.6	9.6	0*	60-140
Ethylbenzene	10	10	10	0*	60-140
Xylene (total)	30	32	32	0*	60-140
Styrene	10	10	10	0*	60-140
Bromoform	10	10	10	0*	60-140
Isopropylbenzene	10	11	11	0*	60-140
1,1,2,2-Tetrachloroetha	10	11	11	0*	60-140
1,2,3-Trichloropropane	10	12	12	0*	60-140
Bromobenzene	10	9.9	9.9	0*	60-140
n-Propylbenzene	10	10	10	0*	60-140
2-Chlorotoluene	10	10	10	0*	60-140
1,3,5-Trimethylbenzene	10	11	11	0*	60-140
4-Chlorotoluene	10	10	10	0*	60-140
tert-Butylbenzene	10	11	11	0*	60-140
1,2,4-Trimethylbenzene	10	12	12	0*	60-140
sec-Butylbenzene	10	11	11	0*	60-140
p-Isopropyltoluene	10	11	11	0*	60-140

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

* Values outside of QC limits

COMMENTS: _____

_____

FORM 3
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - Sample No.: MSB

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	10	11	11	0*	60-140
1,4-Dichlorobenzene	10	11	11	0*	60-140
n-Butylbenzene	10	12	12	0*	60-140
1,2-Dichlorobenzene	10	11	11	0*	60-140
1,2-Dibromo-3-Chloropro	10	11	11	0*	60-140
1,2,4-Trichlorobenzene	10	11	11	0*	60-140
Hexachlorobutadiene	10	11	11	0*	60-140
Naphthalene	10	12	12	0*	60-140
1,2,3-Trichlorobenzene	10	11	11	0*	60-140

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 65 out of 65 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - Sample No.: 0.5LIQALCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
o-Xylene	0.50		0.42	84	60-140
m- & p-Xylene	1.0		0.87	87	60-140
Dichlorodifluoromethane	0.50		0.48	96	60-140
Chloromethane	0.50		0.56	112	60-140
Vinyl Chloride	0.50		0.50	100	60-140
Bromomethane	0.50		0.55	110	60-140
Chloroethane	0.50		0.55	110	60-140
Trichlorofluoromethane	0.50		0.46	92	60-140
Acetone	5.0		5.0	100	60-140
1,1-Dichloroethene	0.50		0.43	86	60-140
trans-1,2-Dichloroethen	0.50		0.44	88	60-140
Carbon Disulfide	0.50		0.45	90	60-140
Methylene Chloride	0.50		0.60	120	60-140
1,1-Dichloroethane	0.50		0.48	96	60-140
cis-1,2-Dichloroethene	0.50		0.46	92	60-140
2-Butanone	5.0		5.3	106	60-140
2,2-Dichloropropane	0.50		0.60	120	60-140
Chloroform	0.50		0.56	112	60-140
Bromochloromethane	0.50		0.46	92	60-140
1,1,1-Trichloroethane	0.50		0.46	92	60-140
1,1-Dichloropropene	0.50		0.45	90	60-140
Carbon Tetrachloride	0.50		0.46	92	60-140
1,2-Dichloroethane	0.50		0.48	96	60-140
Benzene	0.50		0.58	116	60-140
Trichloroethene	0.50		0.49	98	60-140
1,2-Dichloropropane	0.50		0.52	104	60-140
Bromodichloromethane	0.50		0.47	94	60-140
Dibromomethane	0.50		0.46	92	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - Sample No.: 0.5LIQALCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-Pentanone	5.0		6.0	120	60-140
cis-1,3-Dichloropropene	0.50		0.44	88	60-140
Toluene	0.50		0.48	96	60-140
trans-1,3-Dichloroprope	0.50		0.45	90	60-140
1,1,2-Trichloroethane	0.50		0.52	104	60-140
2-Hexanone	5.0		5.3	106	60-140
1,3-Dichloropropane	0.50		0.49	98	60-140
Tetrachloroethene	0.50		0.46	92	60-140
Dibromochloromethane	0.50		0.39	78	60-140
1,2-Dibromoethane	0.50		0.42	84	60-140
Chlorobenzene	0.50		0.44	88	60-140
1,1,1,2-Tetrachloroetha	0.50		0.41	82	60-140
Ethylbenzene	0.50		0.44	88	60-140
Xylene (total)	1.5		1.3	87	60-140
Styrene	0.50		0.43	86	60-140
Bromoform	0.50		0.41	82	60-140
Isopropylbenzene	0.50		0.41	82	60-140
1,1,2,2-Tetrachloroetha	0.50		0.45	90	60-140
1,2,3-Trichloropropane	0.50		0.46	92	60-140
Bromobenzene	0.50		0.41	82	60-140
n-Propylbenzene	0.50		0.41	82	60-140
2-Chlorotoluene	0.50		0.40	80	60-140
1,3,5-Trimethylbenzene	0.50		0.42	84	60-140
4-Chlorotoluene	0.50		0.41	82	60-140
tert-Butylbenzene	0.50		0.42	84	60-140
1,2,4-Trimethylbenzene	0.50		0.53	106	60-140
sec-Butylbenzene	0.50		0.46	92	60-140
p-Isopropyltoluene	0.50		0.45	90	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - Sample No.: 0.5LIQALCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	0.50		0.48	96	60-140
1,4-Dichlorobenzene	0.50		0.44	88	60-140
n-Butylbenzene	0.50		0.47	94	60-140
1,2-Dichlorobenzene	0.50		0.46	92	60-140
1,2-Dibromo-3-Chloropro	0.50		0.40	80	60-140
1,2,4-Trichlorobenzene	0.50		0.51	102	60-140
Hexachlorobutadiene	0.50		0.46	92	60-140
Naphthalene	0.50		0.47	94	60-140
1,2,3-Trichlorobenzene	0.50		0.50	100	60-140

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 65 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - INCHVT Sample No.: 0.5MLUALC

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
o-Xylene	0.50		0.46	92	60-140
m- & p-Xylene	1.0		0.91	91	60-140
Dichlorodifluoromethane	0.50		0.49	98	60-140
Chloromethane	0.50		0.59	118	60-140
Vinyl Chloride	0.50		0.42	84	60-140
Bromomethane	0.50		0.38	76	60-140
Chloroethane	0.50		0.30	60	60-140
Trichlorofluoromethane	0.50		0.48	96	60-140
Acetone	5.0		5.5	110	60-140
1,1-Dichloroethene	0.50		0.49	98	60-140
trans-1,2-Dichloroethen	0.50		0.45	90	60-140
Carbon Disulfide	0.50		0.40	80	60-140
Methylene Chloride	0.50		0.43	86	60-140
1,1-Dichloroethane	0.50		0.46	92	60-140
cis-1,2-Dichloroethene	0.50		0.48	96	60-140
2-Butanone	5.0		4.2	84	60-140
2,2-Dichloropropane	0.50		0.50	100	60-140
Chloroform	0.50		0.49	98	60-140
Bromochloromethane	0.50		0.41	82	60-140
1,1,1-Trichloroethane	0.50		0.50	100	60-140
1,1-Dichloropropene	0.50		0.49	98	60-140
Carbon Tetrachloride	0.50		0.48	96	60-140
1,2-Dichloroethane	0.50		0.58	116	60-140
Benzene	0.50		0.52	104	60-140
Trichloroethene	0.50		0.47	94	60-140
1,2-Dichloropropane	0.50		0.49	98	60-140
Bromodichloromethane	0.50		0.48	96	60-140
Dibromomethane	0.50		0.46	92	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - INCHVT Sample No.: 0.5MLUALC

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-Pentanone	5.0		6.0	120	60-140
cis-1,3-Dichloropropene	0.50		0.48	96	60-140
Toluene	0.50		0.45	90	60-140
trans-1,3-Dichloroprope	0.50		0.51	102	60-140
1,1,2-Trichloroethane	0.50		0.46	92	60-140
2-Hexanone	5.0		9.6	192*	60-140
1,3-Dichloropropane	0.50		0.48	96	60-140
Tetrachloroethene	0.50		0.44	88	60-140
Dibromochloromethane	0.50		0.41	82	60-140
1,2-Dibromoethane	0.50		0.43	86	60-140
Chlorobenzene	0.50		0.46	92	60-140
1,1,1,2-Tetrachloroetha	0.50		0.45	90	60-140
Ethylbenzene	0.50		0.48	96	60-140
Xylene (total)	1.5		1.4	93	60-140
Styrene	0.50		0.44	88	60-140
Bromoform	0.50		0.36	72	60-140
Isopropylbenzene	0.50		0.47	94	60-140
1,1,2,2-Tetrachloroetha	0.50		0.44	88	60-140
1,2,3-Trichloropropane	0.50		0.58	116	60-140
Bromobenzene	0.50		0.43	86	60-140
n-Propylbenzene	0.50		0.43	86	60-140
2-Chlorotoluene	0.50		0.42	84	60-140
1,3,5-Trimethylbenzene	0.50		0.45	90	60-140
4-Chlorotoluene	0.50		0.41	82	60-140
tert-Butylbenzene	0.50		0.45	90	60-140
1,2,4-Trimethylbenzene	0.50		0.45	90	60-140
sec-Butylbenzene	0.50		0.46	92	60-140
p-Isopropyltoluene	0.50		0.45	90	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - INCHVT Sample No.: 0.5MLUALC

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	0.50		0.42	84	60-140
1,4-Dichlorobenzene	0.50		0.45	90	60-140
n-Butylbenzene	0.50		0.48	96	60-140
1,2-Dichlorobenzene	0.50		0.41	82	60-140
1,2-Dibromo-3-Chloropro	0.50		0.49	98	60-140
1,2,4-Trichlorobenzene	0.50		0.40	80	60-140
Hexachlorobutadiene	0.50		0.44	88	60-140
Naphthalene	0.50		0.47	94	60-140
1,2,3-Trichlorobenzene	0.50		0.39	78	60-140

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 65 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - INCHVT Sample No.: 0.5MLUBLC

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
o-Xylene	0.50		0.40	80	60-140
m- & p-Xylene	1.0		0.83	83	60-140
Dichlorodifluoromethane	0.50		0.44	88	60-140
Chloromethane	0.50		0.52	104	60-140
Vinyl Chloride	0.50		0.39	78	60-140
Bromomethane	0.50		0.31	62	60-140
Chloroethane	0.50		0.46	92	60-140
Trichlorofluoromethane	0.50		0.41	82	60-140
Acetone	5.0		4.6	92	60-140
1,1-Dichloroethene	0.50		0.41	82	60-140
trans-1,2-Dichloroethen	0.50		0.44	88	60-140
Carbon Disulfide	0.50		0.37	74	60-140
Methylene Chloride	0.50		0.34	68	60-140
1,1-Dichloroethane	0.50		0.47	94	60-140
cis-1,2-Dichloroethene	0.50		0.51	102	60-140
2-Butanone	5.0		3.3	66	60-140
2,2-Dichloropropane	0.50		0.56	112	60-140
Chloroform	0.50		0.47	94	60-140
Bromochloromethane	0.50		0.35	70	60-140
1,1,1-Trichloroethane	0.50		0.46	92	60-140
1,1-Dichloropropene	0.50		0.48	96	60-140
Carbon Tetrachloride	0.50		0.46	92	60-140
1,2-Dichloroethane	0.50		0.48	96	60-140
Benzene	0.50		0.50	100	60-140
Trichloroethene	0.50		0.44	88	60-140
1,2-Dichloropropane	0.50		0.48	96	60-140
Bromodichloromethane	0.50		0.46	92	60-140
Dibromomethane	0.50		0.43	86	60-140

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

* Values outside of QC limits

COMMENTS: _____

_____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - INCHVT Sample No.: 0.5MLUBLC

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-Pentanone	5.0		5.0	100	60-140
cis-1,3-Dichloropropene	0.50		0.47	94	60-140
Toluene	0.50		0.45	90	60-140
trans-1,3-Dichloroprope	0.50		0.44	88	60-140
1,1,2-Trichloroethane	0.50		0.46	92	60-140
2-Hexanone	5.0		6.0	120	60-140
1,3-Dichloropropane	0.50		0.45	90	60-140
Tetrachloroethene	0.50		0.42	84	60-140
Dibromochloromethane	0.50		0.43	86	60-140
1,2-Dibromoethane	0.50		0.40	80	60-140
Chlorobenzene	0.50		0.44	88	60-140
1,1,1,2-Tetrachloroetha	0.50		0.41	82	60-140
Ethylbenzene	0.50		0.45	90	60-140
Xylene (total)	1.5		1.3	87	60-140
Styrene	0.50		0.40	80	60-140
Bromoform	0.50		0.36	72	60-140
Isopropylbenzene	0.50		0.42	84	60-140
1,1,2,2-Tetrachloroetha	0.50		0.41	82	60-140
1,2,3-Trichloropropane	0.50		0.42	84	60-140
Bromobenzene	0.50		0.40	80	60-140
n-Propylbenzene	0.50		0.40	80	60-140
2-Chlorotoluene	0.50		0.40	80	60-140
1,3,5-Trimethylbenzene	0.50		0.41	82	60-140
4-Chlorotoluene	0.50		0.38	76	60-140
tert-Butylbenzene	0.50		0.41	82	60-140
1,2,4-Trimethylbenzene	0.50		0.41	82	60-140
sec-Butylbenzene	0.50		0.41	82	60-140
p-Isopropyltoluene	0.50		0.39	78	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Matrix Spike - INCHVT Sample No.: 0.5MLUBLC

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	0.50		0.40	80	60-140
1,4-Dichlorobenzene	0.50		0.38	76	60-140
n-Butylbenzene	0.50		0.42	84	60-140
1,2-Dichlorobenzene	0.50		0.38	76	60-140
1,2-Dibromo-3-Chloropro	0.50		0.74	148*	60-140
1,2,4-Trichlorobenzene	0.50		0.34	68	60-140
Hexachlorobutadiene	0.50		0.41	82	60-140
Naphthalene	0.50		0.38	76	60-140
1,2,3-Trichlorobenzene	0.50		0.35	70	60-140

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 65 outside limits

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKY4

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Lab File ID: LIQB001AV.D Lab Sample ID: VBLKY4

Date Analyzed: 01/16/97 Time Analyzed: 1147

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AL040	323399	L323399V.D	1305
02	AL041	323400	L323400V.D	1332
03	AL042	323402	L323402V.D	1405
04	AL043	323404	L323404V.D	1438
05	AL045	323406	L323406V.D	1512
06	AL044	323554	L323554I2V.D	1546
07	AL052	323566	L323566V.D	1618
08	AL053	323567	L323567V.D	1652
09	AL054	323569	L323569V.D	1723
10	AL055	323571	L323571V.D	1756
11	AL056	323573	L323573V.D	1828
12	AL057	323575	L323575V.D	1900
13	AL051	323564	L323564V.D	1933
14	AL050	323562	L323562V.D	2005
15	AL051MS	323564MS	L323564MSV.D	2034
16	AL051MSD	323564MD	L323564MDV.D	2106
17				
18				
19				
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21				
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30				

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKY5

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Lab File ID: MLUB001AV.D Lab Sample ID: VBLKY5

Date Analyzed: 01/16/97 Time Analyzed: 1217

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: M

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AL046	323555	M323555V.D	1505
02	MSB	323580	M323580V.D	1628
03	AL047	323557	M323557V.D	1743
04	AL048	323559	M323559I2V.D	1943
05	AL049	323561	M323561I2V.D	2028
06				
07				
08				
09				
10				
11				
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKY7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Lab File ID: MLUB002BV.D Lab Sample ID: VBLKY7

Date Analyzed: 01/17/97 Time Analyzed: 1121

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: M

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AL062	323726	M323726V.D	1431
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
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COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Lab File ID: LIQ001PV.D BFB Injection Date: 01/08/97

Instrument ID: L BFB Injection Time: 1343

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.8
75	30.0 - 80.0% of mass 95	46.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	61.1
175	5.0 - 9.0% of mass 174	4.1 (6.8)1
176	95.0 - 101.0% of mass 174	60.8 (99.5)1
177	5.0 - 9.0% of mass 176	4.1 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD002	VSTD002	LIQ002HV.D	01/08/97	1409
02	VSTD005	VSTD005	LIQ005HV.D	01/08/97	1440
03	VSTD010	VSTD010	LIQ010HV.D	01/08/97	1512
04	VSTD020	VSTD020	LIQ020HV.D	01/08/97	1545
05	VSTD030	VSTD030	LIQ030HV.D	01/08/97	1616
06	VSTD002	VSTD002	LIQ002H2V.D	01/08/97	1844
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Lab File ID: LIQ002PV.D BFB Injection Date: 01/16/97

Instrument ID: L BFB Injection Time: 0910

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.6
75	30.0 - 80.0% of mass 95	45.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	66.7
175	5.0 - 9.0% of mass 174	4.4 (6.6)1
176	95.0 - 101.0% of mass 174	64.2 (96.2)1
177	5.0 - 9.0% of mass 176	4.2 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	VSTD010	LIQ010AH2V.D	01/16/97	1007
02	VBLKY4	VBLKY4	LIQB001AV.D	01/16/97	1147
03	0.5LIQALCS	0.5LIQALCS	LIQ0005AQV.D	01/16/97	1219
04	AL040	323399	L323399V.D	01/16/97	1305
05	AL041	323400	L323400V.D	01/16/97	1332
06	AL042	323402	L323402V.D	01/16/97	1405
07	AL043	323404	L323404V.D	01/16/97	1438
08	AL045	323406	L323406V.D	01/16/97	1512
09	AL044	323554	L323554I2V.D	01/16/97	1546
10	AL052	323566	L323566V.D	01/16/97	1618
11	AL053	323567	L323567V.D	01/16/97	1652
12	AL054	323569	L323569V.D	01/16/97	1723
13	AL055	323571	L323571V.D	01/16/97	1756
14	AL056	323573	L323573V.D	01/16/97	1828
15	AL057	323575	L323575V.D	01/16/97	1900
16	AL051	323564	L323564V.D	01/16/97	1933
17	AL050	323562	L323562V.D	01/16/97	2005
18	AL051MS	323564MS	L323564MSV.D	01/16/97	2034
19	AL051MSD	323564MD	L323564MDV.D	01/16/97	2106
20					
21					
22					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Lab File ID: MLU001PV.D BFB Injection Date: 01/15/97

Instrument ID: M BFB Injection Time: 1805

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 80.0% of mass 95	51.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	64.8
175	5.0 - 9.0% of mass 174	4.7 (7.3)1
176	95.0 - 101.0% of mass 174	63.3 (97.7)1
177	5.0 - 9.0% of mass 176	4.3 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD030	VSTD030	MLU030HV.D	01/15/97	2127
02	VSTD020	VSTD020	MLU020HV.D	01/15/97	2159
03	VSTD010	VSTD010	MLU010H2V.D	01/15/97	2231
04	VSTD005	VSTD005	MLU005H2V.D	01/15/97	2304
05	VSTD002	VSTD002	MLU002H2V.D	01/15/97	2336
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Lab File ID: MLU002PV.D BFB Injection Date: 01/16/97

Instrument ID: M BFB Injection Time: 1029

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 80.0% of mass 95	49.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	66.7
175	5.0 - 9.0% of mass 174	4.6 (6.9)1
176	95.0 - 101.0% of mass 174	64.6 (96.9)1
177	5.0 - 9.0% of mass 176	4.7 (7.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	VSTD010	MLU010AHV.D	01/16/97	1049
02	VBLKY5	VBLKY5	MLUB001AV.D	01/16/97	1217
03	0.5MLUALCS	0.5MLUALCS	MLU0005AQV.D	01/16/97	1248
04	AL046	323555	M323555V.D	01/16/97	1505
05	MSB	323580	M323580V.D	01/16/97	1628
06	AL047	323557	M323557V.D	01/16/97	1743
07	AL048	323559	M323559I2V.D	01/16/97	1943
08	AL049	323561	M323561I2V.D	01/16/97	2028
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Lab File ID: MLU003PV.D BFB Injection Date: 01/17/97

Instrument ID: M BFB Injection Time: 0913

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 80.0% of mass 95	51.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	64.9
175	5.0 - 9.0% of mass 174	4.7 (7.2)1
176	95.0 - 101.0% of mass 174	64.1 (98.8)1
177	5.0 - 9.0% of mass 176	4.3 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	VSTD010	MLU010BHV.D	01/17/97	0930
02	VBLKY7	VBLKY7	MLUB002BV.D	01/17/97	1121
03	0.5MLUBLCS	0.5MLUBLCS	MLU0005BQV.D	01/17/97	1228
04	AL062	323726	M323726V.D	01/17/97	1431
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Instrument ID: L Calibration Date(s): 01/08/97

Heated Purge: (Y/N) N Calibration Times: 1440 1844

GC Column:DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF2 =LIQ002H2V.D RRF5 =LIQ005HV.D
RRF10 =LIQ010HV.D RRF20 =LIQ020HV.D RRF30 =LIQ030HV.D

COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF30	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *	0.683	0.783	0.825	0.742	0.726	0.752	7.3*
Chloromethane *	0.366	0.391	0.420	0.366	0.363	0.381	6.4*
Vinyl Chloride *	0.371	0.406	0.453	0.392	0.384	0.401	7.9*
Bromomethane *	0.322	0.300	0.307	0.253	0.235	0.283	13.2*
Chloroethane *	0.231	0.231	0.199	0.161	0.151	0.195	19.3*
Trichlorofluoromethane *	0.576	0.609	0.641	0.610	0.411	0.569	16.1*
Acetone *	0.060	0.049	0.051	0.052	0.052	0.053	7.9*
1,1-Dichloroethene *	0.304	0.300	0.317	0.318	0.318	0.311	2.7*
trans-1,2-Dichloroethene *	0.279	0.273	0.300	0.300	0.306	0.292	5.0*
Carbon Disulfide *	1.011	0.942	1.048	1.054	1.068	1.024	5.0*
Methylene Chloride *	0.332	0.365	0.391	0.349	0.344	0.356	6.4*
1,1-Dichloroethane *	0.594	0.599	0.623	0.617	0.619	0.610	2.1*
cis-1,2-Dichloroethene *	0.316	0.313	0.336	0.337	0.343	0.329	4.0*
2-Butanone *	0.022	0.020	0.021	0.024	0.023	0.022	7.8*
2,2-Dichloropropane *	0.557	0.536	0.539	0.530	0.522	0.537	2.4*
Chloroform *	0.639	0.650	0.663	0.655	0.652	0.652	1.3*
Bromochloromethane *	0.217	0.231	0.255	0.245	0.250	0.240	6.5*
1,1,1-Trichloroethane *	0.513	0.510	0.539	0.530	0.536	0.525	2.5*
1,1-Dichloropropene *	0.487	0.488	0.510	0.499	0.492	0.495	1.9*
Carbon Tetrachloride *	0.480	0.486	0.508	0.508	0.511	0.499	2.9*
1,2-Dichloroethane *	0.318	0.336	0.346	0.340	0.340	0.336	3.2*
Benzene *	0.972	0.993	1.034	0.997	0.996	0.998	2.3*
Trichloroethene *	0.376	0.375	0.398	0.383	0.382	0.383	2.4*
1,2-Dichloropropane *	0.375	0.389	0.409	0.394	0.396	0.393	3.1*
Bromodichloromethane *	0.586	0.579	0.602	0.619	0.631	0.604	3.6*
Dibromomethane *	0.279	0.287	0.308	0.303	0.305	0.296	4.2*
4-Methyl-2-Pentanone *	0.273	0.271	0.294	0.289	0.289	0.283	3.8*
cis-1,3-Dichloropropene *	0.507	0.510	0.555	0.549	0.561	0.536	4.8*
Toluene *	0.606	0.662	0.725	0.661	0.658	0.662	6.4*
trans-1,3-Dichloropropene *	0.405	0.426	0.468	0.459	0.475	0.447	6.6*
1,1,2-Trichloroethane *	0.264	0.268	0.294	0.281	0.281	0.278	4.3*
2-Hexanone *	0.177	0.187	0.214	0.205	0.203	0.197	7.6*
1,3-Dichloropropane *	0.543	0.543	0.578	0.554	0.553	0.554	2.6*
Tetrachloroethene *	0.442	0.493	0.523	0.500	0.492	0.490	6.0*
Dibromochloromethane *	0.587	0.483	0.504	0.590	0.643	0.561	11.8*
1,2-Dibromoethane *	0.487	0.439	0.476	0.492	0.522	0.483	6.2*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Instrument ID: L Calibration Date(s): 01/08/97

Heated Purge: (Y/N) N Calibration Times: 1440 1844

GC Column:DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF2 =LIQ002H2V.D RRF5 =LIQ005HV.D
RRF10 =LIQ010HV.D RRF20 =LIQ020HV.D RRF30 =LIQ030HV.D

COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF30	$\overline{RRF}$	% RSD
Chlorobenzene *	0.933	0.935	0.968	0.953	0.986	0.955	2.3*
1,1,1,2-Tetrachloroethane *	0.463	0.426	0.444	0.464	0.490	0.457	5.2*
Ethylbenzene *	1.647	1.582	1.619	1.591	1.635	1.615	1.7*
Xylene (total) *	0.550	0.549	0.590	0.567	0.591	0.570	3.6*
Styrene *	0.980	0.932	0.996	0.953	0.989	0.970	2.8*
Bromoform *	0.388	0.294	0.303	0.397	0.433	0.363	16.9*
Isopropylbenzene *	1.600	1.595	1.681	1.636	1.688	1.640	2.7*
1,1,2,2-Tetrachloroethane *	0.664	0.611	0.641	0.615	0.635	0.634	3.4*
1,2,3-Trichloropropane *	0.451	0.430	0.445	0.435	0.436	0.439	2.0*
Bromobenzene *	0.515	0.539	0.576	0.553	0.576	0.552	4.7*
n-Propylbenzene *	0.436	0.427	0.458	0.450	0.467	0.448	3.6*
2-Chlorotoluene *	0.438	0.428	0.451	0.441	0.459	0.444	2.7*
1,3,5-Trimethylbenzene *	1.237	1.141	1.195	1.178	1.209	1.192	3.0*
4-Chlorotoluene *	0.431	0.432	0.457	0.435	0.452	0.441	2.8*
tert-Butylbenzene *	1.378	1.261	1.353	1.316	1.365	1.335	3.5*
1,2,4-Trimethylbenzene *	1.118	1.078	1.135	1.101	1.129	1.112	2.1*
sec-Butylbenzene *	1.782	1.577	1.689	1.659	1.727	1.687	4.6*
p-Isopropyltoluene *	1.440	1.302	1.379	1.329	1.378	1.366	3.9*
1,3-Dichlorobenzene *	0.903	0.886	0.933	0.898	0.935	0.911	2.4*
1,4-Dichlorobenzene *	0.967	0.929	0.976	0.946	0.978	0.959	2.2*
n-Butylbenzene *	1.328	1.154	1.193	1.161	1.195	1.206	5.8*
1,2-Dichlorobenzene *	0.806	0.781	0.827	0.788	0.816	0.804	2.4*
1,2-Dibromo-3-Chloropropane *	0.175	0.138	0.134	0.135	0.131	0.143	12.9*
1,2,4-Trichlorobenzene *	0.508	0.482	0.505	0.500	0.518	0.503	2.7*
Hexachlorobutadiene *	0.323	0.248	0.267	0.267	0.277	0.276	10.2*
Naphthalene *	1.060	0.996	1.053	1.003	1.025	1.027	2.8*
1,2,3-Trichlorobenzene *	0.458	0.426	0.467	0.440	0.466	0.452	4.0*
1,2-Dichloroethane-d4 *	0.292	0.303	0.310	0.290	0.297	0.298	2.7*
Bromofluorobenzene *	0.941	0.925	0.914	0.880	0.924	0.917	2.5*
1,2-Dichlorobenzene-d4 *	0.591	0.581	0.589	0.569	0.595	0.585	1.8*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Instrument ID: L Calibration Date: 01/16/97 Time: 1007

Lab File ID: LIQ010AH2V.D Init. Calibration Date(s): 01/08/97

Heated Purge: (Y/N) N Init. Calibration Times: 1440 1844

GC Column:DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.752	0.704	0.050	6.3	30.0
Chloromethane	0.381	0.349	0.192	8.4	30.0
Vinyl Chloride	0.401	0.369	0.050	8.1	30.0
Bromomethane	0.283	0.253	0.050	10.8	30.0
Chloroethane	0.195	0.168	0.050	13.9	30.0
Trichlorofluoromethane	0.569	0.581	0.050	-2.1	30.0
Acetone	0.053	0.042	0.020	19.7	30.0
1,1-Dichloroethene	0.311	0.295	0.050	5.4	30.0
trans-1,2-Dichloroethene	0.292	0.279	0.050	4.4	30.0
Carbon Disulfide	1.024	0.981	0.050	4.2	30.0
Methylene Chloride	0.356	0.334	0.050	6.3	30.0
1,1-Dichloroethane	0.610	0.569	0.300	6.7	30.0
cis-1,2-Dichloroethene	0.329	0.320	0.050	2.8	30.0
2-Butanone	0.022	0.018	0.020	17.6	30.0
2,2-Dichloropropane	0.537	0.535	0.050	0.4	30.0
Chloroform	0.652	0.647	0.050	0.7	30.0
Bromochloromethane	0.240	0.228	0.050	5.0	30.0
1,1,1-Trichloroethane	0.525	0.525	0.050	0.0	30.0
1,1-Dichloropropene	0.495	0.490	0.050	0.9	30.0
Carbon Tetrachloride	0.499	0.500	0.050	-0.2	30.0
1,2-Dichloroethane	0.336	0.309	0.050	8.1	30.0
Benzene	0.998	1.004	0.050	-0.6	30.0
Trichloroethene	0.383	0.392	0.050	-2.3	30.0
1,2-Dichloropropane	0.393	0.392	0.050	0.1	30.0
Bromodichloromethane	0.604	0.623	0.050	-3.2	30.0
Dibromomethane	0.296	0.289	0.050	2.6	30.0
4-Methyl-2-Pentanone	0.283	0.239	0.020	15.7	30.0
cis-1,3-Dichloropropene	0.536	0.557	0.050	-3.9	30.0
Toluene	0.662	0.687	0.050	-3.7	30.0
trans-1,3-Dichloropropene	0.447	0.466	0.050	-4.4	30.0
1,1,2-Trichloroethane	0.270	0.287	0.050	-3.3	30.0
2-Hexanone	0.197	0.171	0.020	13.5	30.0
1,3-Dichloropropane	0.554	0.563	0.050	-1.6	30.0
Tetrachloroethene	0.490	0.535	0.050	-9.2	30.0
Dibromochloromethane	0.561	0.659	0.050	-17.4	30.0
1,2-Dibromoethane	0.483	0.526	0.050	-8.9	30.0

All other compounds must meet a minimum RRF of 0.010.

7A-2
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Instrument ID: L Calibration Date: 01/16/97 Time: 1007

Lab File ID: LIQ010AH2V.D Init. Calibration Date(s): 01/08/97

Heated Purge: (Y/N) N Init. Calibration Times: 1440 1844

GC Column:DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	0.955	1.073	0.300	-12.3	30.0
1,1,1,2-Tetrachloroethane	0.457	0.528	0.050	-15.5	30.0
Ethylbenzene	1.615	1.836	0.050	-13.7	30.0
Xylene (total)	0.570	0.648	0.050	-13.7	30.0
Styrene	0.970	1.059	0.050	-9.2	30.0
Bromoform	0.363	0.461	0.250	-27.0	30.0
Isopropylbenzene	1.640	1.931	0.050	-17.7	30.0
1,1,2,2-Tetrachloroethane	0.634	0.687	0.300	-8.5	30.0
1,2,3-Trichloropropane	0.439	0.465	0.050	-5.9	30.0
Bromobenzene	0.552	0.641	0.050	-16.3	30.0
n-Propylbenzene	0.448	0.525	0.050	-17.2	30.0
2-Chlorotoluene	0.444	0.518	0.050	-16.8	30.0
1,3,5-Trimethylbenzene	1.192	1.396	0.050	-17.1	30.0
4-Chlorotoluene	0.441	0.508	0.050	-15.1	30.0
tert-Butylbenzene	1.335	1.565	0.050	-17.3	30.0
1,2,4-Trimethylbenzene	1.112	1.371	0.050	-23.3	30.0
sec-Butylbenzene	1.687	1.960	0.050	-16.2	30.0
p-Isopropyltoluene	1.366	1.602	0.050	-17.3	30.0
1,3-Dichlorobenzene	0.911	1.042	0.050	-14.4	30.0
1,4-Dichlorobenzene	0.959	1.108	0.050	-15.6	30.0
n-Butylbenzene	1.206	1.406	0.050	-16.5	30.0
1,2-Dichlorobenzene	0.804	0.911	0.050	-13.3	30.0
1,2-Dibromo-3-Chloropropane	0.143	0.156	0.020	-9.6	30.0
1,2,4-Trichlorobenzene	0.503	0.587	0.050	-16.8	30.0
Hexachlorobutadiene	0.276	0.335	0.050	-21.3	30.0
Naphthalene	1.027	1.186	0.050	-15.5	30.0
1,2,3-Trichlorobenzene	0.452	0.523	0.050	-15.7	30.0
1,2-Dichloroethane-d4	0.298	0.274	0.050	8.0	30.0
Bromofluorobenzene	0.917	0.845	0.050	7.8	30.0
1,2-Dichlorobenzene-d4	0.585	0.584	0.050	0.1	30.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Instrument ID: M . Calibration Date: 01/16/97 Time: 1049

Lab File ID: MLU010AHV.D Init. Calibration Date(s): 01/15/97

Heated Purge: (Y/N) N Init. Calibration Times: 2127 2336

GC Column:DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.859	0.730	0.050	15.0	30.0
Chloromethane	0.392	0.310	0.192	20.7	30.0
Vinyl Chloride	0.383	0.319	0.050	16.6	30.0
Bromomethane	0.233	0.237	0.050	-1.8	30.0
Chloroethane	0.150	0.142	0.050	5.3	30.0
Trichlorofluoromethane	0.783	0.724	0.050	7.5	30.0
Acetone	0.075	0.068	0.020	8.6	30.0
1,1-Dichloroethene	0.312	0.306	0.050	1.9	30.0
trans-1,2-Dichloroethene	0.302	0.335	0.050	-10.8	30.0
Carbon Disulfide	0.935	0.975	0.050	-4.3	30.0
Methylene Chloride	0.295	0.313	0.050	-6.2	30.0
1,1-Dichloroethane	0.571	0.573	0.300	-0.3	30.0
cis-1,2-Dichloroethene	0.281	0.302	0.050	-7.5	30.0
2-Butanone	0.021	0.025	0.020	-14.6	30.0
2,2-Dichloropropane	0.523	0.524	0.050	-0.1	30.0
Chloroform	0.713	0.665	0.050	6.8	30.0
Bromochloromethane	0.184	0.211	0.050	-14.6	30.0
1,1,1-Trichloroethane	0.669	0.609	0.050	9.1	30.0
1,1-Dichloropropene	0.512	0.479	0.050	6.4	30.0
Carbon Tetrachloride	0.656	0.608	0.050	7.3	30.0
1,2-Dichloroethane	0.504	0.414	0.050	17.9	30.0
Benzene	0.949	0.914	0.050	3.7	30.0
Trichloroethene	0.436	0.414	0.050	5.2	30.0
1,2-Dichloropropane	0.420	0.372	0.050	11.4	30.0
Bromodichloromethane	0.807	0.729	0.050	9.7	30.0
Dibromomethane	0.361	0.343	0.050	5.1	30.0
4-Methyl-2-Pentanone	0.359	0.309	0.020	13.9	30.0
cis-1,3-Dichloropropene	0.626	0.582	0.050	7.1	30.0
Toluene	0.683	0.654	0.050	4.2	30.0
trans-1,3-Dichloropropene	0.592	0.541	0.050	8.6	30.0
1,1,2-Trichloroethane	0.333	0.320	0.050	3.8	30.0
2-Hexanone	0.313	0.241	0.020	23.1	30.0
1,3-Dichloropropane	0.653	0.606	0.050	7.2	30.0
Tetrachloroethene	0.543	0.586	0.050	-7.9	30.0
Dibromochloromethane	0.786	0.784	0.050	0.3	30.0
1,2-Dibromoethane	0.648	0.659	0.050	-1.7	30.0

All other compounds must meet a minimum RRF of 0.010.

7A-2
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Instrument ID: M Calibration Date: 01/16/97 Time: 1049

Lab File ID: MLU010AHV.D Init. Calibration Date(s): 01/15/97

Heated Purge: (Y/N) N Init. Calibration Times: 2127 2336

GC Column:DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	1.111	1.091	0.300	1.8	30.0
1,1,1,2-Tetrachloroethane	0.619	0.607	0.050	2.0	30.0
Ethylbenzene	2.003	1.851	0.050	7.6	30.0
Xylene (total)	0.669	0.633	0.050	5.5	30.0
Styrene	1.164	1.117	0.050	4.0	30.0
Bromoform	0.586	0.620	0.250	-5.8	30.0
Isopropylbenzene	2.138	2.015	0.050	5.8	30.0
1,1,2,2-Tetrachloroethane	0.776	0.753	0.300	2.9	30.0
1,2,3-Trichloropropane	0.569	0.518	0.050	8.9	30.0
Bromobenzene	0.649	0.673	0.050	-3.7	30.0
n-Propylbenzene	0.570	0.512	0.050	10.2	30.0
2-Chlorotoluene	0.485	0.486	0.050	-0.1	30.0
1,3,5-Trimethylbenzene	1.586	1.496	0.050	5.7	30.0
4-Chlorotoluene	0.495	0.491	0.050	0.7	30.0
tert-Butylbenzene	1.664	1.583	0.050	4.9	30.0
1,2,4-Trimethylbenzene	1.492	1.394	0.050	6.5	30.0
sec-Butylbenzene	2.215	2.074	0.050	6.4	30.0
p-Isopropyltoluene	1.751	1.701	0.050	2.8	30.0
1,3-Dichlorobenzene	1.061	1.135	0.050	-7.0	30.0
1,4-Dichlorobenzene	1.151	1.182	0.050	-2.6	30.0
n-Butylbenzene	1.656	1.533	0.050	7.4	30.0
1,2-Dichlorobenzene	0.951	1.002	0.050	-5.4	30.0
1,2-Dibromo-3-Chloropropane	0.210	0.179	0.020	14.4	30.0
1,2,4-Trichlorobenzene	0.634	0.671	0.050	-5.9	30.0
Hexachlorobutadiene	0.438	0.423	0.050	3.4	30.0
Naphthalene	0.986	0.946	0.050	4.1	30.0
1,2,3-Trichlorobenzene	0.586	0.583	0.050	0.4	30.0
1,2-Dichloroethane-d4	0.421	0.348	0.050	17.4	30.0
Bromofluorobenzene	0.946	0.889	0.050	6.1	30.0
1,2-Dichlorobenzene-d4	0.617	0.662	0.050	-7.4	30.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Instrument ID: M Calibration Date: 01/17/97 Time: 0930

Lab File ID: MLU010BHV.D Init. Calibration Date(s): 01/15/97

Heated Purge: (Y/N) N Init. Calibration Times: 2127 2336

GC Column:DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.859	0.793	0.050	7.7	30.0
Chloromethane	0.392	0.340	0.192	13.2	30.0
Vinyl Chloride	0.383	0.347	0.050	9.4	30.0
Bromomethane	0.233	0.260	0.050	-11.8	30.0
Chloroethane	0.150	0.160	0.050	-6.9	30.0
Trichlorofluoromethane	0.783	0.800	0.050	-2.2	30.0
Acetone	0.075	0.073	0.020	2.1	30.0
1,1-Dichloroethene	0.312	0.328	0.050	-5.4	30.0
trans-1,2-Dichloroethene	0.302	0.331	0.050	-9.5	30.0
Carbon Disulfide	0.935	1.011	0.050	-8.1	30.0
Methylene Chloride	0.295	0.331	0.050	-12.5	30.0
1,1-Dichloroethane	0.571	0.599	0.300	-5.0	30.0
cis-1,2-Dichloroethene	0.281	0.301	0.050	-7.1	30.0
2-Butanone	0.021	0.025	0.020	-18.5	30.0
2,2-Dichloropropane	0.523	0.543	0.050	-3.7	30.0
Chloroform	0.713	0.678	0.050	4.9	30.0
Bromochloromethane	0.184	0.197	0.050	-6.8	30.0
1,1,1-Trichloroethane	0.669	0.628	0.050	6.1	30.0
1,1-Dichloropropene	0.512	0.506	0.050	1.1	30.0
Carbon Tetrachloride	0.656	0.616	0.050	6.1	30.0
1,2-Dichloroethane	0.504	0.444	0.050	11.8	30.0
Benzene	0.949	0.908	0.050	4.3	30.0
Trichloroethene	0.436	0.424	0.050	2.8	30.0
1,2-Dichloropropane	0.420	0.392	0.050	6.6	30.0
Bromodichloromethane	0.807	0.749	0.050	7.2	30.0
Dibromomethane	0.361	0.362	0.050	-0.2	30.0
4-Methyl-2-Pentanone	0.359	0.326	0.020	9.1	30.0
cis-1,3-Dichloropropene	0.626	0.614	0.050	1.9	30.0
Toluene	0.683	0.658	0.050	3.6	30.0
trans-1,3-Dichloropropene	0.592	0.576	0.050	2.7	30.0
1,1,2-Trichloroethane	0.333	0.332	0.050	0.3	30.0
2-Hexanone	0.313	0.232	0.020	25.9	30.0
1,3-Dichloropropane	0.653	0.639	0.050	2.2	30.0
Tetrachloroethene	0.543	0.580	0.050	-6.7	30.0
Dibromochloromethane	0.786	0.778	0.050	1.1	30.0
1,2-Dibromoethane	0.648	0.652	0.050	-0.5	30.0

All other compounds must meet a minimum RRF of 0.010.

7A-2
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Instrument ID: M Calibration Date: 01/17/97 Time: 0930

Lab File ID: MLU010BHV.D Init. Calibration Date(s): 01/15/97

Heated Purge: (Y/N) N Init. Calibration Times: 2127 2336

GC Column:DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	1.111	1.092	0.300	1.7	30.0
1,1,1,2-Tetrachloroethane	0.619	0.627	0.050	-1.2	30.0
Ethylbenzene	2.003	1.926	0.050	3.8	30.0
Xylene (total)	0.669	0.665	0.050	0.7	30.0
Styrene	1.164	1.141	0.050	2.0	30.0
Bromoform	0.586	0.598	0.250	-2.1	30.0
Isopropylbenzene	2.138	2.140	0.050	-0.1	30.0
1,1,2,2-Tetrachloroethane	0.776	0.804	0.300	-3.5	30.0
1,2,3-Trichloropropane	0.569	0.597	0.050	-5.0	30.0
Bromobenzene	0.649	0.687	0.050	-5.9	30.0
n-Propylbenzene	0.570	0.539	0.050	5.5	30.0
2-Chlorotoluene	0.485	0.514	0.050	-5.9	30.0
1,3,5-Trimethylbenzene	1.586	1.600	0.050	-0.9	30.0
4-Chlorotoluene	0.495	0.524	0.050	-5.9	30.0
tert-Butylbenzene	1.664	1.699	0.050	-2.1	30.0
1,2,4-Trimethylbenzene	1.492	1.504	0.050	-0.8	30.0
sec-Butylbenzene	2.215	2.247	0.050	-1.4	30.0
p-Isopropyltoluene	1.751	1.824	0.050	-4.2	30.0
1,3-Dichlorobenzene	1.061	1.180	0.050	-11.3	30.0
1,4-Dichlorobenzene	1.151	1.270	0.050	-10.3	30.0
n-Butylbenzene	1.656	1.706	0.050	-3.0	30.0
1,2-Dichlorobenzene	0.951	1.062	0.050	-11.7	30.0
1,2-Dibromo-3-Chloropropane	0.210	0.199	0.020	5.1	30.0
1,2,4-Trichlorobenzene	0.634	0.679	0.050	-7.1	30.0
Hexachlorobutadiene	0.438	0.418	0.050	4.6	30.0
Naphthalene	0.986	0.995	0.050	-0.9	30.0
1,2,3-Trichlorobenzene	0.586	0.606	0.050	-3.5	30.0
1,2-Dichloroethane-d4	0.421	0.381	0.050	9.5	30.0
Bromofluorobenzene	0.946	0.905	0.050	4.4	30.0
1,2-Dichlorobenzene-d4	0.617	0.663	0.050	-7.6	30.0

All other compounds must meet a minimum RRF of 0.010.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Lab File ID (Standard): LIQ010AH2V.D Date Analyzed: 01/16/97

Instrument ID: L Time Analyzed: 1007

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(FBZ) AREA #		RT #	IS2(CBZ) AREA #		RT #	IS3 AREA #		RT #
	12 HOUR STD	138246		9.42	118474		15.61	0		0.00
	UPPER LIMIT	276492		9.92	236948		16.11	0		0.50
	LOWER LIMIT	69123		8.92	59237		15.11	0		-0.50
	EPA SAMPLE No.									
01	VBLKY4	136703		9.43	126409		15.63			
02	0.5LIQALCS	131309		9.43	124877		15.63			
03	AL040	134722		9.43	116621		15.62			
04	AL041	148375		9.43	130000		15.63			
05	AL042	137394		9.43	122530		15.63			
06	AL043	141706		9.43	124475		15.63			
07	AL045	140406		9.43	128558		15.63			
08	AL044	127902		9.43	112751		15.63			
09	AL052	129027		9.45	120663		15.63			
10	AL053	138862		9.43	125794		15.63			
11	AL054	138367		9.45	123456		15.63			
12	AL055	134752		9.43	118110		15.63			
13	AL056	141230		9.43	123941		15.61			
14	AL057	134336		9.43	119086		15.61			
15	AL051	142186		9.41	123694		15.61			
16	AL050	133975		9.43	119674		15.61			
17	AL051MS	140583		9.43	125045		15.62			
18	AL051MSD	139659		9.43	129152		15.60			
19										
20										
21										
22										

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 = N/A

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Lab File ID (Standard): MLU010AHV.D Date Analyzed: 01/16/97

Instrument ID: M Time Analyzed: 1049

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	146224	10.19	118685	16.19	0	0.00
	UPPER LIMIT	292448	10.69	237370	16.69	0	0.50
	LOWER LIMIT	73112	9.69	59342	15.69	0	-0.50
	EPA SAMPLE No.						
01	VBLKY5	98768	10.20	83545	16.21		
02	0.5MLUALCS	94425	10.20	79006	16.20		
03	AL046	100333	10.20	83943	16.19		
04	MSB	101764	10.20	86175	16.22		
05	AL047	97892	10.21	79401	16.23		
06	AL048	86598	10.21	68170	16.23		
07	AL049	85577	10.21	67428	16.23		
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22							

IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 = N/A

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63438

Lab File ID (Standard): MLU010BHV.D Date Analyzed: 01/17/97

Instrument ID: M Time Analyzed: 0930

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	144081	10.19	117471	16.20	0	0.00
	UPPER LIMIT	288162	10.69	234942	16.70	0	0.50
	LOWER LIMIT	72040	9.69	58736	15.70	0	-0.50
	EPA SAMPLE No.						
01	VBLKY7	116616	10.20	94231	16.20		
02	0.5MLUBLCS	109286	10.20	89980	16.20		
03	AL062	122217	10.20	102046	16.22		
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IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 = N/A

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 972-238-5591
Fax 972-238-5592

CUSTOMER: INCHCAPE/Burlington
PROJECT: 93260 SDG 63438

REPORT NUMBER: D97-405
SAMPLES RECEIVED: 11-January-1997

Inchcape Testing Services
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CASE NARRATIVE

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
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Tel. 972-238-5591
Fax 972-238-5592

DATE RECEIVED: 11-JAN-1997

REPORT NUMBER: D97-405
REPORT DATE: 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
Colchester, VT 05446
ATTENTION : Mr. Chris Oulette

PROJECT : 93260 SDG 63438

DATE SAMPLED : 08-JAN-1997

CASE NARRATIVE COMMENTS:

This is an ITS Level 3 data package, containing results for the analysis of volatile organics in air by method RSK 175.

Method RSK 175 Volatile Organics in Air

There were no issues noted during the sample analysis for this task.

Please refer to the attached Case Narrative Summary for sample identifications and analytical requests.

If you have any questions, please feel free to contact Mr. John (J.T.) Todd at (972) 238-5591.

Sheila Petty
Data Review

Inchcape Testing Services
Environmental Laboratories

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JOB ID : D97-405
CUSTOMER : ITS/Burlington
PROJECT : 93260

SAMPLE ID : D97-405-1 DATE SAMPLED : 8-JAN-1997
ID MARKS : 323555

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

SAMPLE ID : D97-405-2 DATE SAMPLED : 8-JAN-1997
ID MARKS : 323557

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

SAMPLE ID : D97-405-3 DATE SAMPLED : 8-JAN-1997
ID MARKS : 323559

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

SAMPLE ID : D97-405-4 DATE SAMPLED : 9-JAN-1997
ID MARKS : 323562

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

SAMPLE ID : D97-405-5 DATE SAMPLED : 9-JAN-1997
ID MARKS : 323564

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

SAMPLE ID : D97-405-6 DATE SAMPLED : 9-JAN-1997
ID MARKS : 323567

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

Inchcape Testing Services
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JOB ID : D97-405
CUSTOMER : ITS/Burlington
PROJECT : 93260

SAMPLE ID : D97-405-7 DATE SAMPLED : 9-JAN-1997
ID MARKS : 323569

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

SAMPLE ID : D97-405-8 DATE SAMPLED : 9-JAN-1997
ID MARKS : 323571

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

SAMPLE ID : D97-405-9 DATE SAMPLED : 9-JAN-1997
ID MARKS : 323573

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

SAMPLE ID : D97-405-10 DATE SAMPLED : 9-JAN-1997
ID MARKS : 323575

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

SAMPLE ID : D97-405-11 DATE SAMPLED : 7-JAN-1997
ID MARKS : 323400

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

SAMPLE ID : D97-405-12 DATE SAMPLED : 7-JAN-1997
ID MARKS : 323402

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

Inchcape Testing Services
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Fax 972-238-5592

JOB ID : D97-405
CUSTOMER : ITS/Burlington
PROJECT : 93260

SAMPLE ID : D97-405-13 DATE SAMPLED : 7-JAN-1997
ID MARKS : 323404

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

SAMPLE ID : D97-405-14 DATE SAMPLED : 8-JAN-1997
ID MARKS : 323406

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

SAMPLE ID : D97-405-15 DATE SAMPLED : 11-JAN-1997
ID MARKS : Method Blank

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			S_S	13-JAN-1997	F011397-1

ANALYSIS	DESCRIPTION
RSK_175	Dis. Gas in Water RSK 175

Inchcape Testing Services
Environmental Laboratories

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CHAIN OF CUSTODY

Chain-of-Custody Record

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55 South Park Drive
Colchester, VT 05446
TEL: (802) 655-1203
FAX: (802) 655-1248

PAGE

PANY INFORMATION	COMPANY'S PROJECT INFORMATION	SHIPPING INFORMATION	VOLUME/CONTAI PRESERVATIVE
ITS 55 So. Park Dr. olchester, VT US 446 e: Chris Oulette	Project Name: Project Number: 93206 Sampler Name(s): ETR # 63450	Carrier: Fed-Ex Airbill Number: 197-4591-45 Date Shipped: 1/10/97 Hand Delivered: ☐ yes ☑ no	4 mL vials

ITS LABORATORY INFORMATION — Quote #: — Client Code:

ENTIFICATION (NOTE 1)	COLLECTION DATE	COLLECTION TIME	GRAB	COMPOSITE	MATRIX	ANALYSIS/REMARKS (NOTE 2,3)	NUMBER OF CO	
55	1/8/97				water	methane/Ethane/Ethene	3	H05
57	1/8/97					" " "	3	
59	1/8/97					" " "	3	
62	1/9/97					" " "	3	
64	1/9/97					" " "	3	
67	1/9/97					" " "	3	
69	1/9/97					" " "	3	
71	1/9/97					" " "	3	
73	1/9/97					" " "	3	
75	1/9/97					" " "	3	

SCREENED FOR RADIOACTIVITY

by: (signature)	DATE	TIME	Received by: (signature)
	1/10/97	1730	
by: (signature)	DATE	TIME	Received by: (signature)
by: (signature)	DATE	TIME	Received for Laboratory by: (signature)
			1-11-97 1045

...ginal Accompanies Shipment; Copy to Coordinator Field Files

NOTES TO SAMPLER(S): (1) Limit Sample Identification to 6 characters, if pos
(2) Indicate designated Lab Q.C. sample and type (e.g.: MS/MSD/REP) and pro
sufficient sample; (3) Field duplicates are separate sample; (4) e.g.: 40 ml/glas

Notes to Lab:
SAG # 63438 → This SAG # appears on
P.O. # 34798

Chain-of-Custody Record

...mental Laboratories

55 South Park Drive
Colchester, VT 05446

TEL: (802) 655-1203
FAX: (802) 655-1248

PAGE 2

...ANY INFORMATION	COMPANY'S PROJECT INFORMATION	SHIPPING INFORMATION	VOLUME/CONTAIN... PRESERVATIVE (...
ITS 55 So. Park Dr. ...chester, VT 05446 Chris Oullette	Project Name: Project Number: 93206 Sampler Name(s): ETR #63438	Carrier: Fed-Ex Airbill Number: 197-4591-455 Date Shipped: 1/10/97 Hand Delivered: ☐ yes ☑ no	...ml vial
	ITS LABORATORY INFORMATION	Quote #: / Client Code:	

...NTIFICATION (NOTE 1)	COLLECTION DATE	COLLECTION TIME	GRAB	COMPOSITE	MATRIX	ANALYSIS/REMARKS (NOTE 2,3)	NUMBER OF CON...
	1/7/97				water	methane / Ethane / Ethene	3
	1/7/97				"	" " "	3
	1/7/97				"	" " "	3
	1/8/97				"	" " "	3

...by: (signature)	DATE	TIME	Received by: (signature)
[signature]	1/10/97	1730	
...by: (signature)	DATE	TIME	Received by: (signature)
...by: (signature)	DATE	TIME	Received for Laboratory by: (signature)
			[signature] 1-11-97 1045

NOTES TO SAMPLER(S): (1) Limit Sample Identification to 6 characters, if poss... (2) Indicate designated Lab Q.C. sample and type (e.g.: MS/MSD/REP) and prov... sufficient sample; (3) Field duplicates are separate sample; (4) e.g.: 40 ml/glass...

Notes to Lab: SDG # 63438 (must appear on re...

P.O. # 34790

...inal Accompanies Shipment; Copy to Coordinator Field Files

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 972-238-5591
Fax 972-238-5592

ANALYTICAL RESULTS

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ANALYTICAL REPORT

DATE RECEIVED : 11-JAN-1997
REPORT NUMBER : D97-405
REPORT DATE : 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette
PROJECT : 93260 SDG 63438
PURCHASE ORDER NO : 34790

Included in this data package are the analytical results for the sample group which you have submitted to Inchcape Testing Services for analysis. These results are representative of the samples as received by the laboratory.

The information contained herein has undergone extensive review and is deemed accurate and complete. Sample analysis and quality control were performed in accordance with all applicable protocols. Please refrain from reproducing this report except in its entirety.

If you have any questions regarding this report and its associated materials please call your Project Manager at (972) 238-5591.

We appreciate the opportunity to serve you and look forward to providing continued service in the future.

Martin Jeffus
General Manager

Inchcape Testing Services
Environmental Laboratories

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Fax 972-238-5592

DATE RECEIVED : 11-JAN-1997

REPORT NUMBER : D97-405-1
REPORT DATE : 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323555
PROJECT : 93260 SDG 63438
PURCHASE ORDER NO : 34790
DATE SAMPLED : 8-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : S_S
ANALYZED ON : 13-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011397-1

DISSOLVED GASES IN WATER			
TEST REQUESTED	DETECTION LIMIT	RESULTS	
Methane	0.5 ppbw	5.9	ppbw
Ethane	0.5 ppbw	< 0.5	ppbw
Ethene	0.5 ppbw	< 0.5	ppbw

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DATE RECEIVED : 11-JAN-1997

REPORT NUMBER : D97-405-2
REPORT DATE : 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323557
PROJECT : 93260 SDG 63438
PURCHASE ORDER NO : 34790
DATE SAMPLED : 8-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : S_S
ANALYZED ON : 13-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011397-1

DISSOLVED GASES IN WATER					
TEST REQUESTED	DETECTION LIMIT		RESULTS		
Methane	0.5	ppbw		1.6	ppbw
Ethane	0.5	ppbw	<	0.5	ppbw
Ethene	0.5	ppbw	<	0.5	ppbw

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DATE RECEIVED : 11-JAN-1997

REPORT NUMBER : D97-405-3
REPORT DATE : 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323559
PROJECT : 93260 SDG 63438
PURCHASE ORDER NO : 34790
DATE SAMPLED : 8-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : S_S
ANALYZED ON : 13-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011397-1

DISSOLVED GASES IN WATER					
TEST REQUESTED	DETECTION LIMIT		RESULTS		
Methane	0.5	ppbw		2.0	ppbw
Ethane	0.5	ppbw	<	0.5	ppbw
Ethene	0.5	ppbw	<	0.5	ppbw

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DATE RECEIVED : 11-JAN-1997

REPORT NUMBER : D97-405-4
REPORT DATE : 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323562
PROJECT : 93260 SDG 63438
PURCHASE ORDER NO : 34790
DATE SAMPLED : 9-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : S_S
ANALYZED ON : 13-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011397-1

DISSOLVED GASES IN WATER					
TEST REQUESTED	DETECTION LIMIT		RESULTS		
Methane	0.5	ppbw		2.0	ppbw
Ethane	0.5	ppbw	<	0.5	ppbw
Ethene	0.5	ppbw	<	0.5	ppbw

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DATE RECEIVED : 11-JAN-1997

REPORT NUMBER : D97-405-5
REPORT DATE : 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323564
PROJECT : 93260 SDG 63438
PURCHASE ORDER NO : 34790
DATE SAMPLED : 9-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : S_S
ANALYZED ON : 13-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011397-1

DISSOLVED GASES IN WATER		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Methane	0.5 ppbw	2.1 ppbw
Ethane	0.5 ppbw	< 0.5 ppbw
Ethene	0.5 ppbw	< 0.5 ppbw

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DATE RECEIVED : 11-JAN-1997

REPORT NUMBER : D97-405-9
REPORT DATE : 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323573
PROJECT : 93260 SDG 63438
PURCHASE ORDER NO : 34790
DATE SAMPLED : 9-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : S_S
ANALYZED ON : 13-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011397-1

DISSOLVED GASES IN WATER			
TEST REQUESTED	DETECTION LIMIT		RESULTS
Methane	0.5 ppbw		2.1 ppbw
Ethane	0.5 ppbw	<	0.5 ppbw
Ethene	0.5 ppbw	<	0.5 ppbw

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DATE RECEIVED : 11-JAN-1997

REPORT NUMBER : D97-405-10
REPORT DATE : 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323575
PROJECT : 93260 SDG 63438
PURCHASE ORDER NO : 34790
DATE SAMPLED : 9-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : S S
ANALYZED ON : 13-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011397-1

DISSOLVED GASES IN WATER					
TEST REQUESTED	DETECTION LIMIT		RESULTS		
Methane	0.5	ppbw		2.6	ppbw
Ethane	0.5	ppbw	<	0.5	ppbw
Ethene	0.5	ppbw	<	0.5	ppbw

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DATE RECEIVED : 11-JAN-1997

REPORT NUMBER : D97-405-11
REPORT DATE : 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323400
PROJECT : 93260 SDG 63438
PURCHASE ORDER NO : 34790
DATE SAMPLED : 7-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : S_S
ANALYZED ON : 13-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011397-1

DISSOLVED GASES IN WATER					
TEST REQUESTED	DETECTION LIMIT		RESULTS		
Methane	0.5	ppbw		3.0	ppbw
Ethane	0.5	ppbw	<	0.5	ppbw
Ethene	0.5	ppbw	<	0.5	ppbw

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DATE RECEIVED : 11-JAN-1997

REPORT NUMBER : D97-405-12
REPORT DATE : 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323402
PROJECT : 93260 SDG 63438
PURCHASE ORDER NO : 34790
DATE SAMPLED : 7-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : S_S
ANALYZED ON : 13-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011397-1

DISSOLVED GASES IN WATER			
TEST REQUESTED	DETECTION LIMIT	RESULTS	
Methane	0.5 ppbw	3.1	ppbw
Ethane	0.5 ppbw	< 0.5	ppbw
Ethene	0.5 ppbw	< 0.5	ppbw

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DATE RECEIVED : 11-JAN-1997

REPORT NUMBER : D97-405-13
REPORT DATE : 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323404
PROJECT : 93260 SDG 63438
PURCHASE ORDER NO : 34790
DATE SAMPLED : 7-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : S_S
ANALYZED ON : 13-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011397-1

DISSOLVED GASES IN WATER					
TEST REQUESTED	DETECTION LIMIT		RESULTS		
Methane	0.5	ppbw		3.3	ppbw
Ethane	0.5	ppbw	<	0.5	ppbw
Ethene	0.5	ppbw	<	0.5	ppbw

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DATE RECEIVED : 11-JAN-1997

REPORT NUMBER : D97-405-14
REPORT DATE : 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323406
PROJECT : 93260 SDG 63438
PURCHASE ORDER NO : 34790
DATE SAMPLED : 8-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : S_S
ANALYZED ON : 13-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011397-1

DISSOLVED GASES IN WATER		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Methane	0.5 ppbw	2.5 ppbw
Ethane	0.5 ppbw	< 0.5 ppbw
Ethene	0.5 ppbw	< 0.5 ppbw

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DATE RECEIVED : 11-JAN-1997

REPORT NUMBER : D97-405-15
REPORT DATE : 14-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : Method Blank
PROJECT : 93260 SDG 63438
PURCHASE ORDER NO : 34790
DATE SAMPLED : 11-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : S_S
ANALYZED ON : 13-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011397-1

DISSOLVED GASES IN WATER					
TEST REQUESTED	DETECTION LIMIT		RESULTS		
Methane	0.5	ppbw	<	0.5	ppbw
Ethane	0.5	ppbw	<	0.5	ppbw
Ethene	0.5	ppbw	<	0.5	ppbw

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QUALITY CONTROL SUMMARY

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Tel. 972-238-5591
Fax 972-238-5592

REPORT DATE : 17-JAN-1997 REPORT NUMBER : D97-405

SAMPLE SUBMITTED BY : ITS/Burlington
ATTENTION : Chris Oulette

LABORATORY QUALITY CONTROL REPORT

ANALYTE	Methane	Ethane
BATCH NO.	F011397-1	F011397-1
LCS LOT NO.	---	---
PREP METHOD	---	---
PREPARED BY	---	---
ANALYSIS METHOD	RSK 175	RSK 175
ANALYZED BY	S_S	S_S
UNITS	ppbw	ppbw
METHOD BLANK	< 0.50	< 0.50
SPIKE LEVEL	3.55	6.66
SPK REC LIMITS	70.0 - 130	70.0 - 130
SPK RPD LIMITS	30.0	30.0
MS RESULT	NA	NA
MS RECOVERY %	NA	NA
MSD RESULT	NA	NA
MSD RECOVERY %	NA	NA
MS/MSD RPD %	NA	NA
BS RESULT	3.79	7.20
BS RECOVERY %	107	108
BSD RESULT	4.34	6.54
BSD RECOVERY %	122	98.2
BS/BSD RPD %	13.5	9.61
DUP RPD LIMITS	---	---
DUPLICATE RPD %	NA	NA
LCS LEVEL	3.55	6.66
LCS REC LIMITS	70.0 - 130	70.0 - 130
LCS RESULT	SEE_BS	SEE_BS
LCS RECOVERY %	SEE_BS	SEE_BS
SPIKE SAMPLE ID	---	---
SAMPLE VALUE	---	---
DUP SAMPLE ID	---	---
DUP SAMPLE VAL/1	---	---
DUP SAMPLE VAL/2	---	---

NA Not applicable
SEE_BS LCS and LCS Duplicate reported as BS and BSD.

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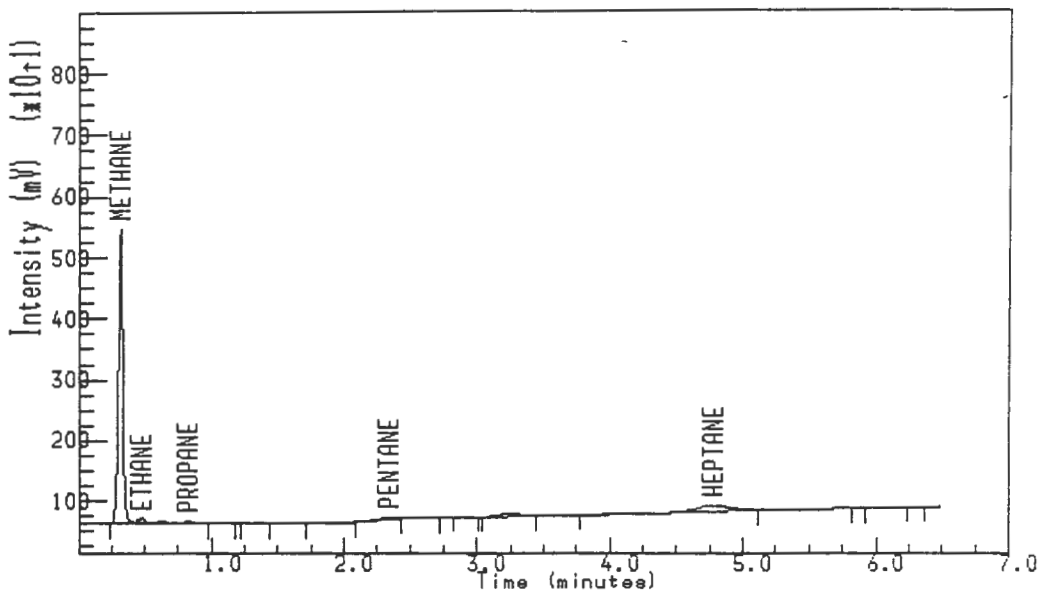
VOLATILES

SAMPLES

Injection Report

Acquired on 13-JAN-1997 at 11:04



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 405-1 HS 323555 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 7

011397 GR

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.326	0.313	10895618	25.60	METHANE	425660.6563	0.0000
0.486	0.469	407201	0.54	ETHANE	750591.9375	0.0000
0.823	0.837	197323	0.19	PROPANE	1052308.1250	0.0000
2.332	2.195	270886	0.19	PENTANE	1395023.1250	0.0000
4.766	4.788	1820809	1.13	HEPTANE	1616301.3750	0.0000

4.318 = 5.58 ± 1.0569
= 5.90 ppmv

Totals		
Unknowns	783540	N/A
Quantified	13591837	27.65
Grand Total	14375377	27.65

MISSING PEAKS

No missing peaks.

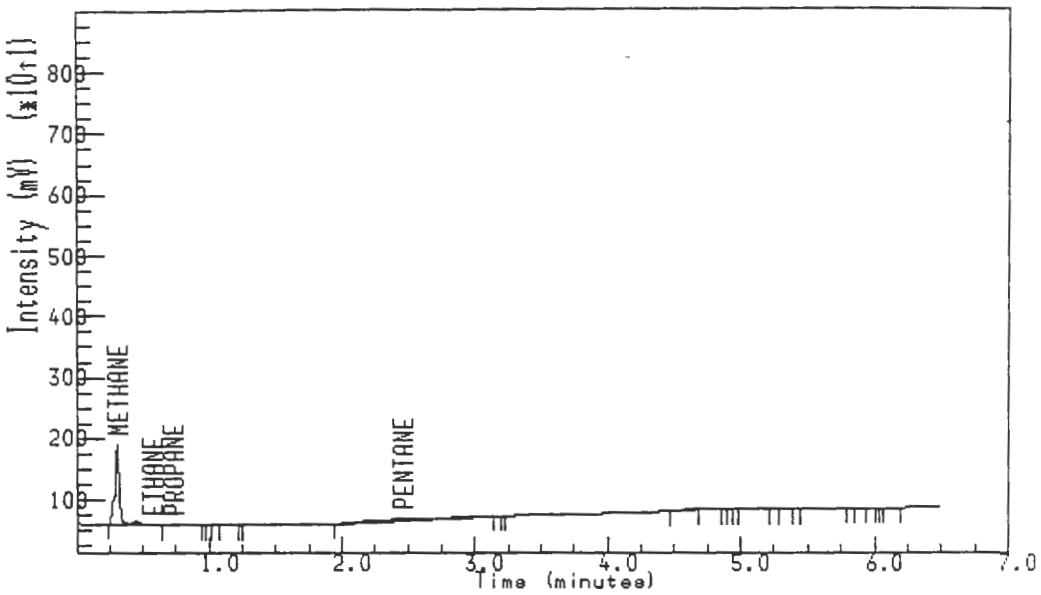
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 10-JAN-1997 at 14:31

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 13-JAN-1997 at 11:16



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 405-2 HS 323557 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 8

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.314	0.360	2934915	6.89	METHANE * 0.218 * 1.089 = 1.59 ppbw	425660.6563	0.0000
0.737	0.837	80382	0.08	PROPANE	1052308.1250	0.0000
2.470	2.400	968144	0.69	PENTANE	1395023.1250	0.0000

Totals		
Unknowns	290131	N/A
Quantified	3983441	7.67
Grand Total	4273572	7.67

MISSING PEAKS

RT mins	Peak name
1.646	BUTANE

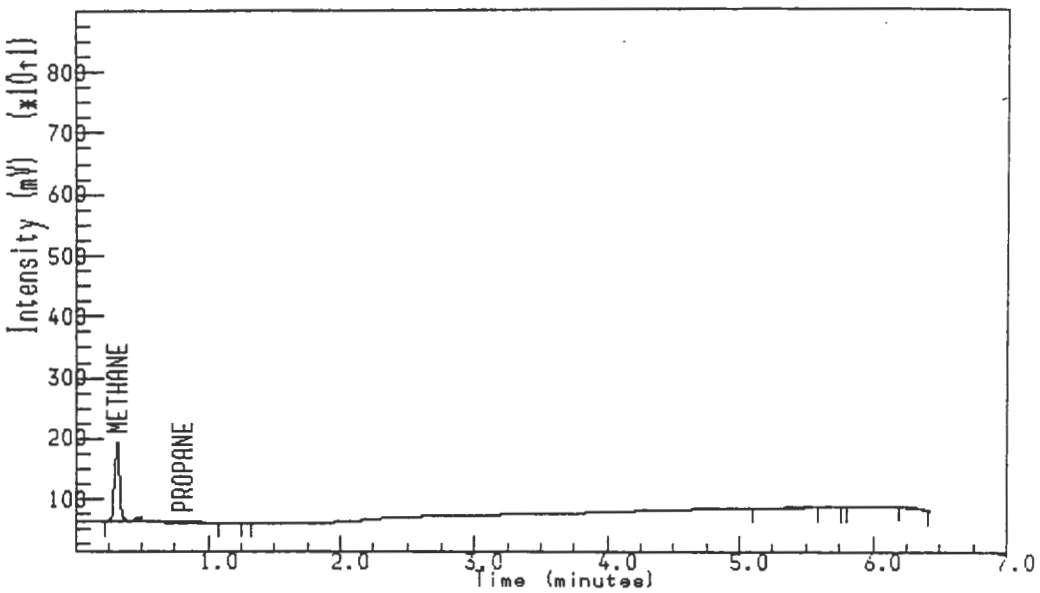
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 13-JAN-1997 at 11:15

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 13-JAN-1997 at 11:25



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 405-3 HS 323559 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 9

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name		RF slope	RF intercept
0.326	0.360	3628638	8.52	METHANE	= 1.96 ppmv	425660.6563	0.0000
0.814	0.837	108750	0.10	PROPANE		1052308.1250	0.0000

Totals		
Unknowns	643058	N/A
Quantified	3737387	8.63
Grand Total	4380445	8.63

MISSING PEAKS

RT mins	Peak name
0.552	ETHANE
2.400	PENTANE
3.319	HEXANE
4.788	HEPTANE

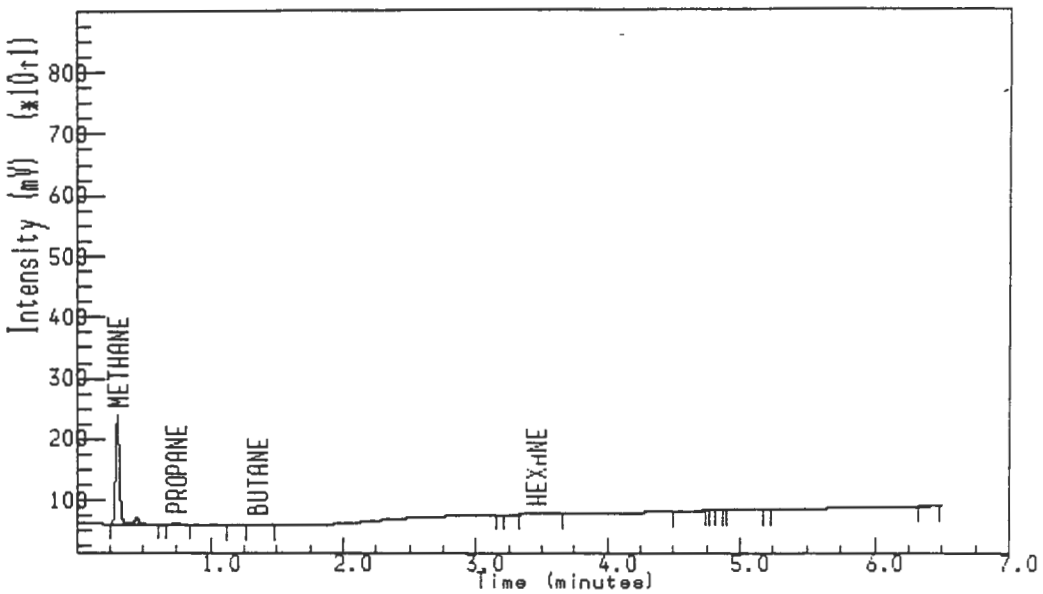
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 13-JAN-1997 at 11:15

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 13-JAN-1997 at 11:32



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 405-4 HS 323562 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 10

PEAK INFORMATION

.011397 S

RT mins	RT Exp	Area uVs	PPMV	Peak name		RF slope	RF intercept
0.314	0.360	3736155	8.78	METHANE	2.02 ppbw	425660.6563	0.0000
0.750	0.837	90242	0.09	PROPANE		1052308.1250	0.0000

Totals		
Unknowns	417189	N/A
Quantified	3826397	8.86
Grand Total	4243586	8.86

MISSING PEAKS

RT mins	Peak name
0.552	ETHANE
2.400	PENTANE

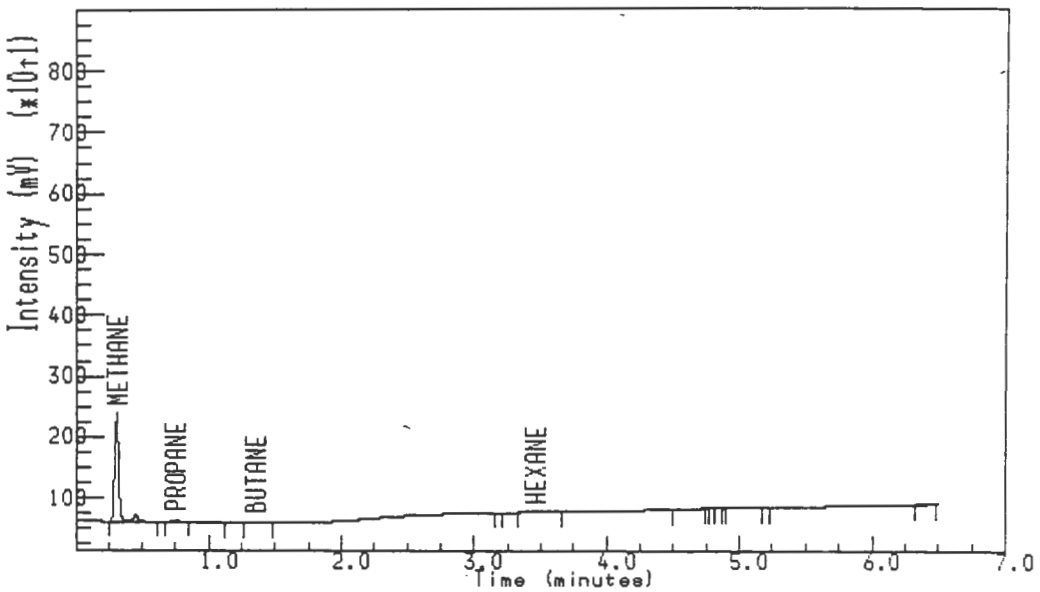
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 13-JAN-1997 at 11:15

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 13-JAN-1997 at 11:32



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 405-4 HS 323562 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 10

PEAK INFORMATION

011397 S

RT mins	RT Exp	Area uVs	PPMV	Peak name		RF slope	RF intercept
0.314	0.360	3736155	8.78	METHANE	2.02 ppbw	425660.6563	0.0000
0.750	0.837	90242	0.09	PROPANE		1052308.1250	0.0000

Totals		
Unknowns	417189	N/A
Quantified	3826397	8.86
Grand Total	4243586	8.86

MISSING PEAKS

RT mins	Peak name
0.552	ETHANE
2.400	PENTANE

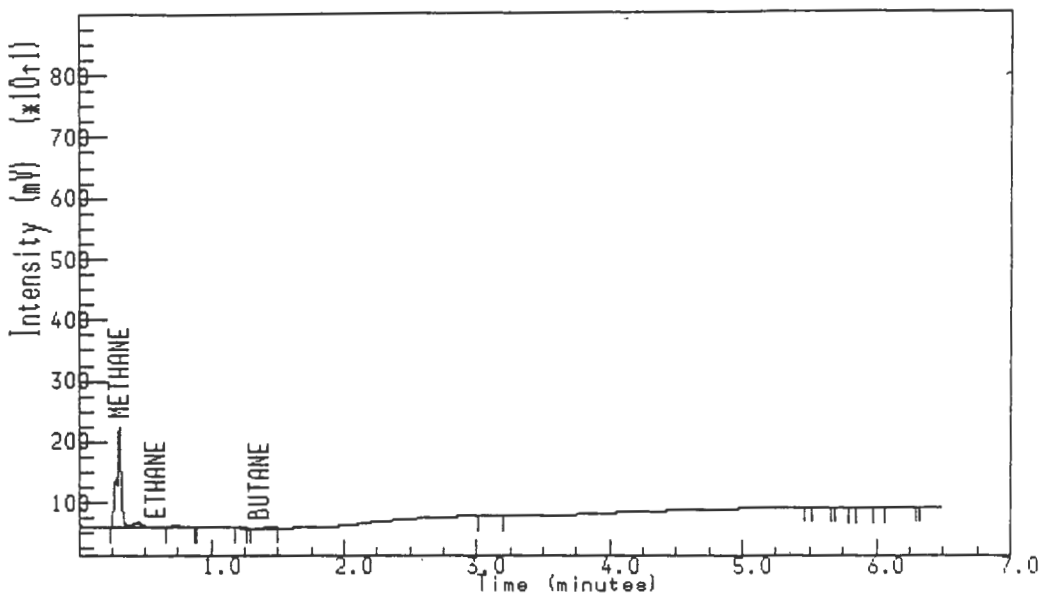
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 13-JAN-1997 at 11:15

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 13-JAN-1997 at 11:40



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 405-5 HS 323564 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 11

011397 SS

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name		RF slope	RF intercept
0.312	0.360	3912209	9.19	METHANE	2.12 ppmv	425660.6563	0.0000
0.577	0.552	52872	0.07	ETHANE		750591.9375	0.0000

Totals		
Unknowns	541271	N/A
Quantified	3965081	9.26
Grand Total	4506352	9.26

MISSING PEAKS

RT mins	Peak name
2.400	PENTANE
3.319	HEXANE
4.788	HEPTANE

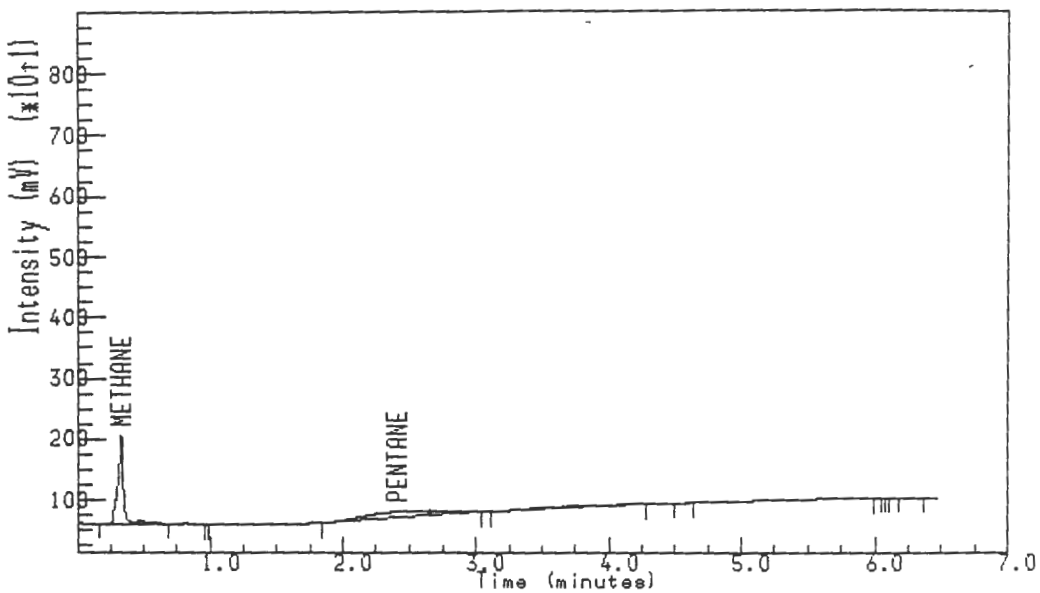
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 13-JAN-1997 at 11:15

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 13-JAN-1997 at 12:14



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 409-9 HS 323571 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 14

PEAK INFORMATION

011397 G

RT mins	RT Exp	Area uVs	PPMV	Peak name		RF slope	RF intercept
0.337	0.360	3948979	9.28	METHANE	2.14 ppbw	425660.6563	0.0000
2.417	2.400	3090748	2.22	PENTANE		1395023.1250	0.0000

Totals		
nknowns	2236434	N/A
uantified	7039727	11.49
Grand Total	9276161	11.49

MISSING PEAKS

RT mins	Peak name
0.552	ETHANE
1.646	BUTANE
3.319	HEXANE

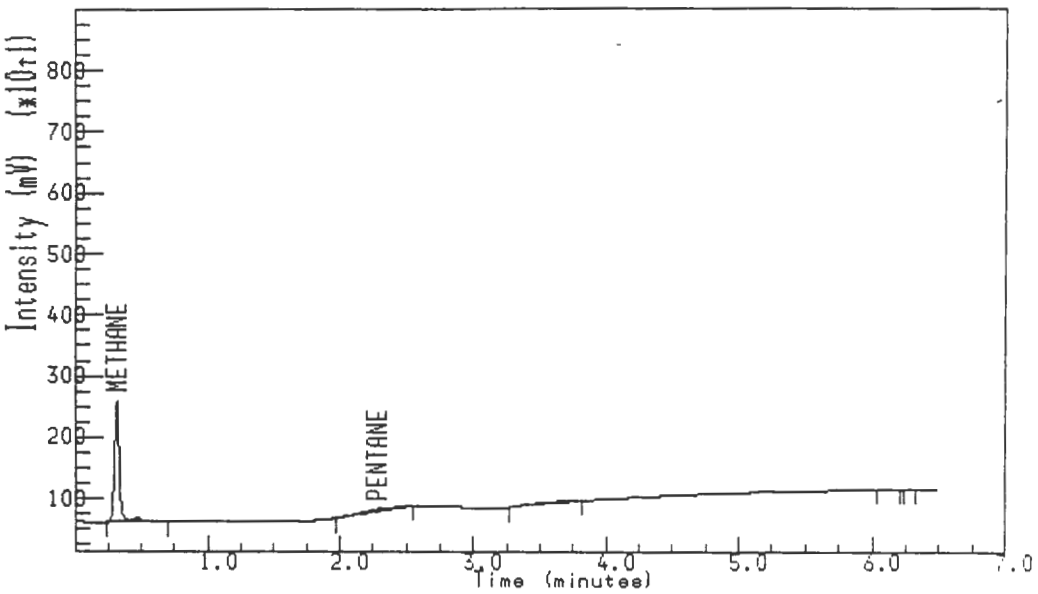
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 13-JAN-1997 at 11:15

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 13-JAN-1997 at 12:27



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 405-10 HS 323575 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 15

PEAK INFORMATION

011397 SS

RT mins	RT Exp	Area uVs	PPMV	Peak name		RF slope	RF intercept
0.326	0.360	4848129	11.39	METHANE	2.62 ppbw	425660.6563	0.0000
2.281	2.400	808932	0.58	PENTANE		1395023.1250	0.0000

Totals		
Unknowns	763722	N/A
Quantified	5657061	11.97
Grand Total	6420783	11.97

MISSING PEAKS

RT mins	Peak name
0.552	ETHANE
1.646	BUTANE
3.319	HEXANE
4.788	HEPTANE

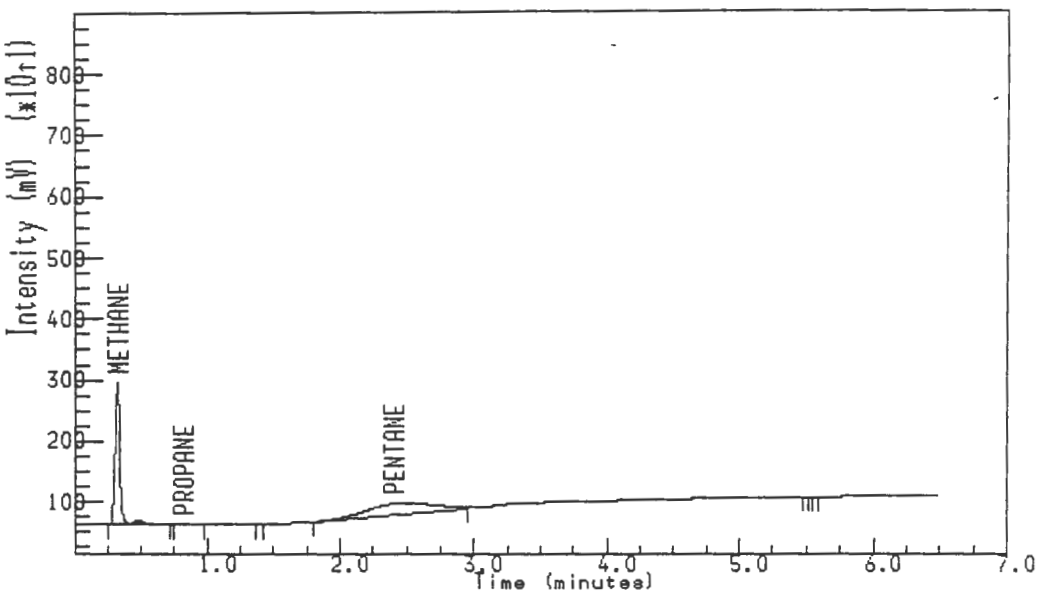
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 13-JAN-1997 at 11:15

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 13-JAN-1997 at 13:09



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 405-11 HS 323400 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 16

PEAK INFORMATION

011397 GS

RT mins	RT Exp	Area uVs	PPMV	Peak name		RF slope	RF intercept
0.330	0.360	5582966	13.12	METHANE	7.02 ppbw	425660.6563	0.0000
0.830	0.837	80516	0.08	PROPANE		1052308.1250	0.0000
2.414	2.400	6179846	4.43	PENTANE		1395023.1250	0.0000

Totals		
Unknowns	312789	N/A
Quantified	11843328	17.62
Grand Total	12156117	17.62

MISSING PEAKS

RT mins	Peak name
0.552	ETHANE
3.319	HEXANE
4.788	HEPTANE

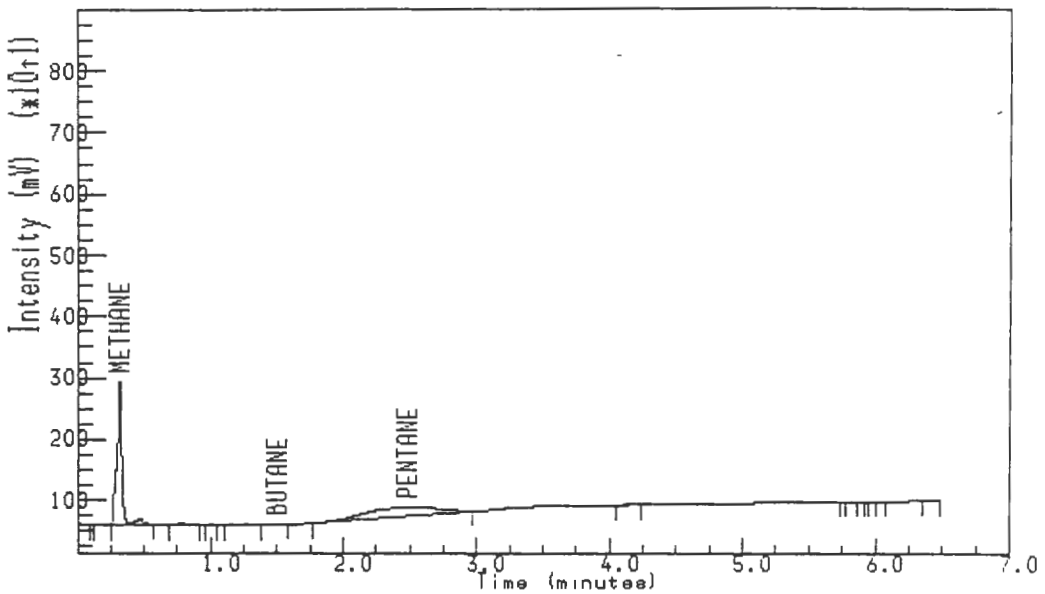
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 13-JAN-1997 at 11:15

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 13-JAN-1997 at 13:19



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : ~~14446-9 0.5ML 01L010MW-621WG~~
Sample Id : 405-12 0.5mL MS
Sample Type : Sample Amount=1.00000
Bottle No : 17

011397 SS

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name		RF slope	RF intercept
0.323	0.360	5690004	13.37	METHANE	3.08 ppbw	425660.6563	0.0000
2.477	2.400	5595127	4.01	PENTANE		1395023.1250	0.0000

Totals		
Unknowns	537330	N/A
Quantified	11285131	17.38
Grand Total	11822461	17.38

MISSING PEAKS

RT mins	Peak name
0.552	ETHANE
3.319	HEXANE
4.788	HEPTANE

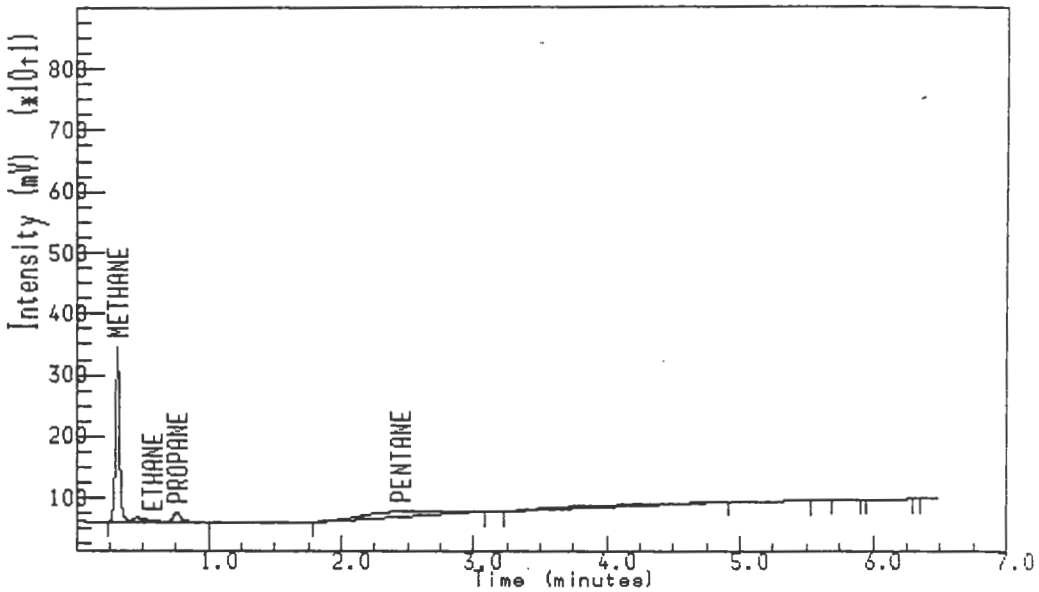
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 13-JAN-1997 at 11:15

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 13-JAN-1997 at 13:30



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 405-13 HS 323404 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 18

PEAK INFORMATION

011397 53

RT mins	RT Exp	Area uVs	PPMV	Peak name		RF slope	RF intercept
0.319	0.360	6007931	14.11	METHANE	3.25 ppbv	425660.6563	0.0000
0.586	0.552	121494	0.16	ETHANE		750591.9375	0.0000
0.761	0.837	660207	0.63	PROPANE		1052308.1250	0.0000
2.461	2.400	3869930	2.77	PENTANE		1395023.1250	0.0000

Totals		
Unknowns	2526784	N/A
Quantified	10659563	17.68
Grand Total	13186347	17.68

MISSING PEAKS

RT mins	Peak name
1.646	BUTANE
3.319	HEXANE
4.788	HEPTANE

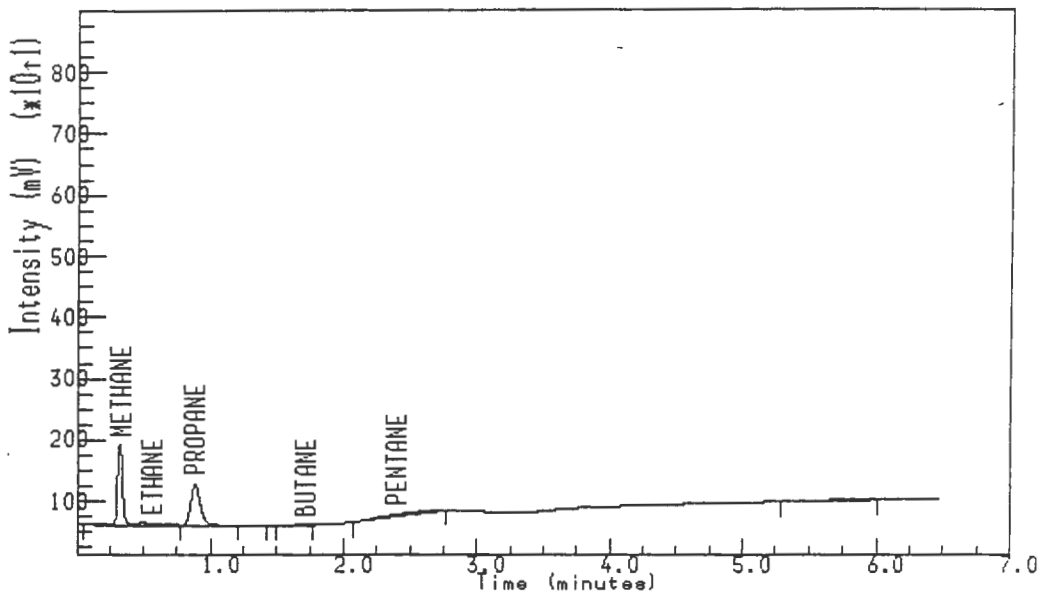
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 13-JAN-1997 at 11:15

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 13-JAN-1997 at 13:41



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 405-14 HS 323406 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 19

011397 49

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name		RF slope	RF intercept
0.328	0.360	3427268	11.03	METHANE	2.54 ppbv	425660.6563	0.0000
0.566	0.552	47991	0.09	ETHANE		750591.9375	0.0000
0.888	0.837	3440835	4.48	PROPANE		1052308.1250	0.0000
2.399	2.400	973656	0.96	PENTANE		1395023.1250	0.0000

Totals		
Unknowns	380094	N/A
Quantified	7889749	16.55
Grand Total	8269843	16.55

MISSING PEAKS

RT mins	Peak name
3.319	HEXANE
4.788	HEPTANE

ANALYSIS SUMMARY

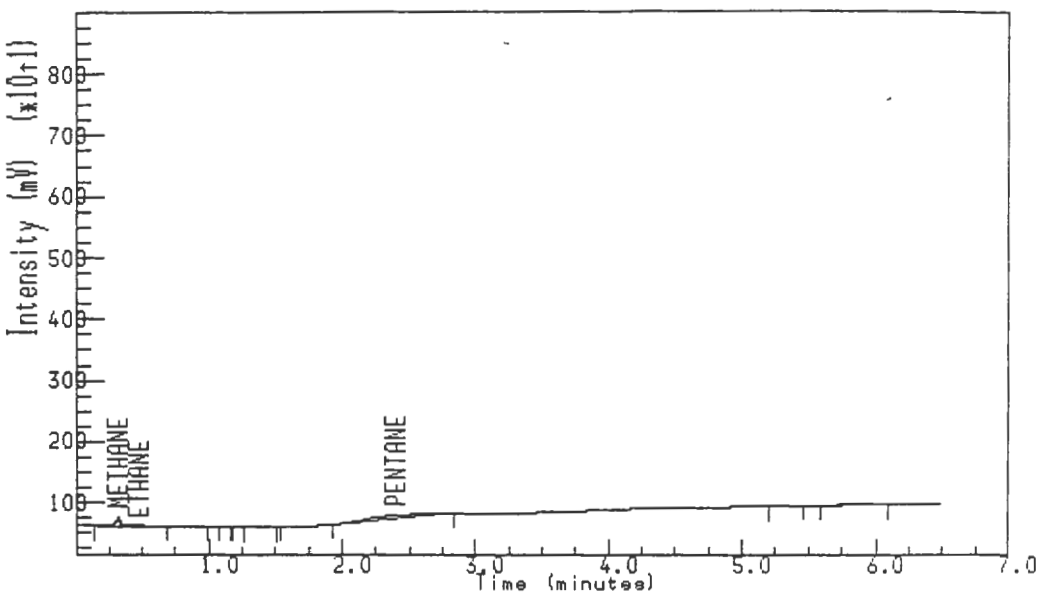
Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 13-JAN-1997 at 11:15

Uncalibrated peaks use user factor (0.0000)

QUALITY CONTROL DATA

Injection Report

Acquired on 13-JAN-1997 at 10:09



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : BLK
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 4

011397 45

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.326	0.313	356770	0.84	METHANE	425660.6563	0.0000
0.472	0.469	57614	0.08	ETHANE	750591.9375	0.0000
2.392	2.195	1797696	1.29	PENTANE	1395023.1250	0.0000

Totals		
Unknowns	112671	N/A
Quantified	2212079	2.20
Grand Total	2324750	2.20

MISSING PEAKS

RT mins	Peak name
3.048	HEXANE
4.788	HEPTANE

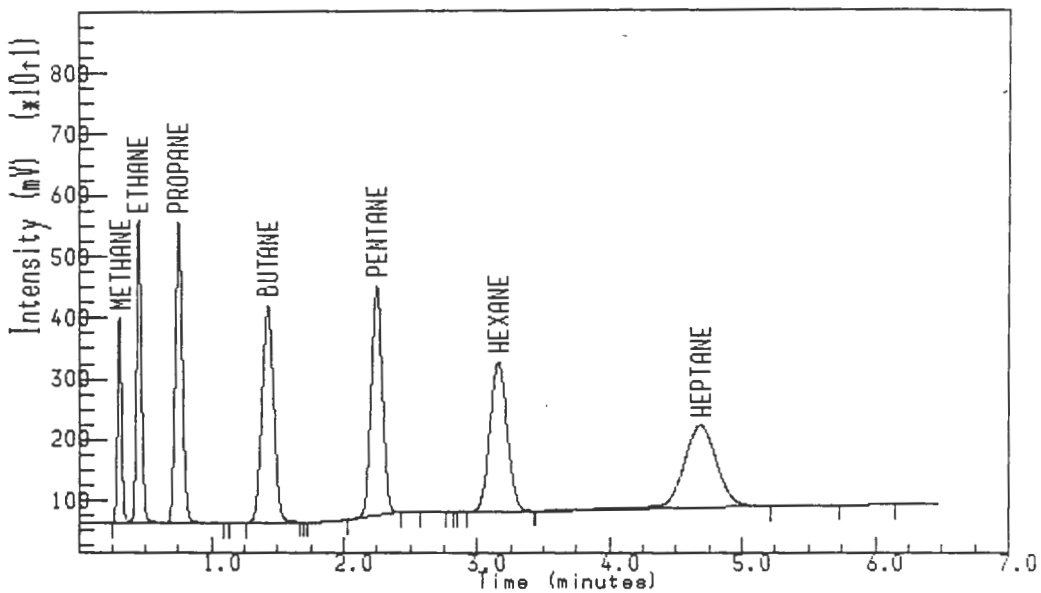
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 10-JAN-1997 at 14:31

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 13-JAN-1997 at 10:23



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : LCS
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 4

011397 41

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.314	0.313	7400584	17.39	METHANE	425660.6563	0.0000
0.457	0.469	13217350	17.61	ETHANE	750591.9375	0.0000
0.757	0.837	18560212	17.64	PROPANE	1052308.1250	0.0000
1.430	1.332	21626146	16.97	BUTANE	1274009.2500	0.0000
2.252	2.195	21994520	15.77	PENTANE	1395023.1250	0.0000
3.159	3.048	22445096	15.40	HEXANE	1457356.6250	0.0000
4.681	4.788	24308782	15.04	HEPTANE	1616301.3750	0.0000

Totals		
Unknowns	46555	N/A
Quantified	129552696	115.82
Grand Total	129599248	115.82

MISSING PEAKS

No missing peaks.

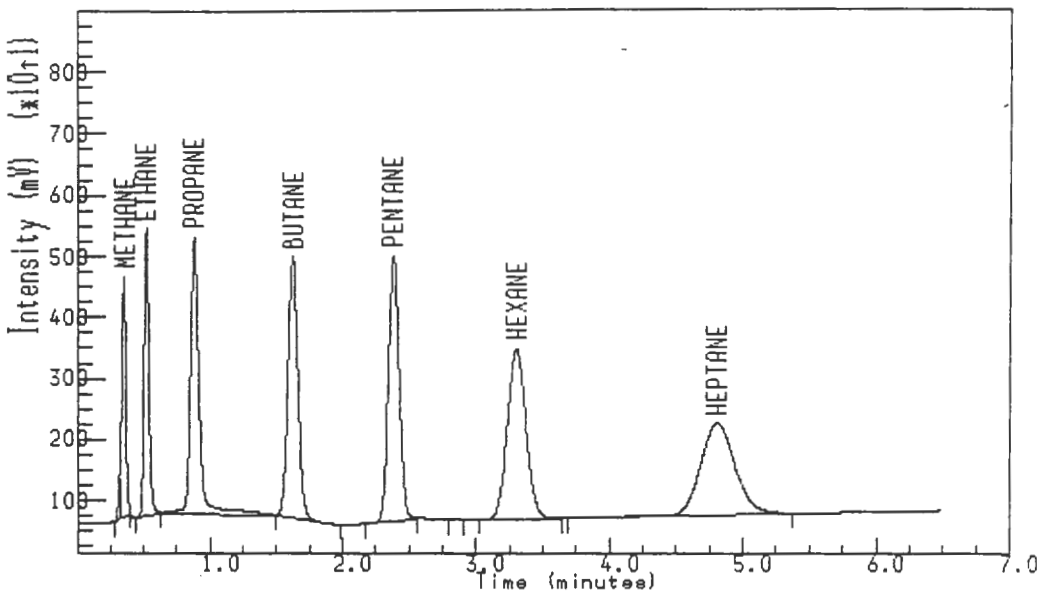
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 10-JAN-1997 at 14:31

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 13-JAN-1997 at 10:54



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : LCSD
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 4

011397 GS

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.359	0.360	8470280	19.90	METHANE	425660.6563	0.0000
0.528	0.552	11999819	15.99	ETHANE	750591.9375	0.0000
0.888	0.837	20515468	19.50	PROPANE	1052308.1250	0.0000
1.628	1.646	22461844	17.63	BUTANE	1274009.2500	0.0000
2.388	2.400	24449440	17.53	PENTANE	1395023.1250	0.0000
3.303	3.319	26801632	18.39	HEXANE	1457356.6250	0.0000
4.808	4.788	26897284	16.64	HEPTANE	1616301.3750	0.0000

Totals		
Unknowns	678808	N/A
Quantified	141595776	125.57
Grand Total	142274592	125.57

MISSING PEAKS

No missing peaks.

ANALYSIS SUMMARY

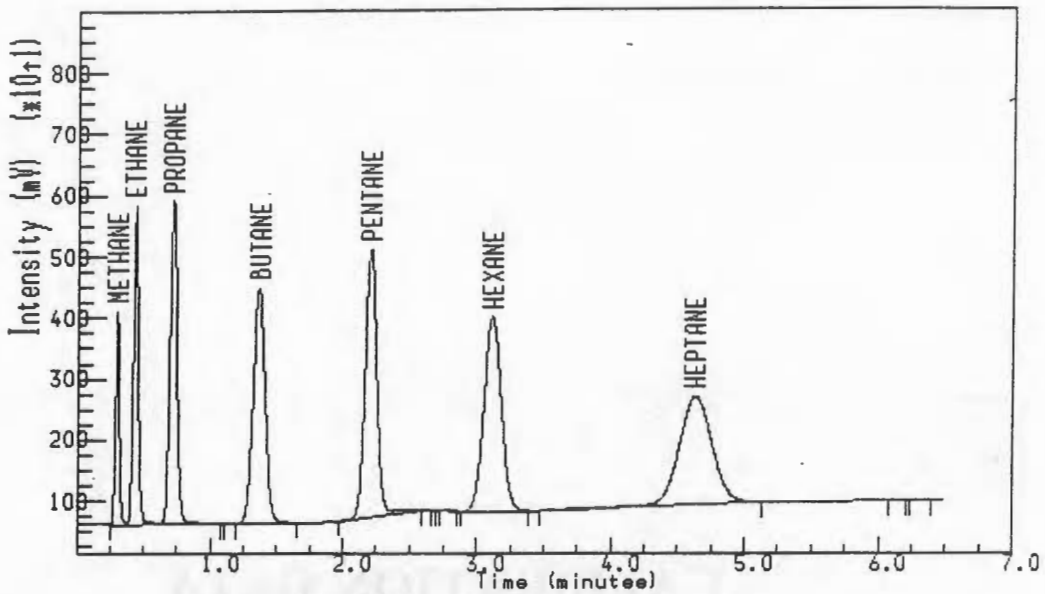
Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 13-JAN-1997 at 11:14

Uncalibrated peaks use user factor (0.0000)

CALIBRATION DATA

Injection Report

Acquired on 13-JAN-1997 at 09:58



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 16.0 PPM SCOTT MIX 243
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 4

011397 55

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.308	0.313	7227059	16.98	METHANE	425660.6563	0.0000
0.443	0.469	13480129	17.96	ETHANE	750591.9375	0.0000
0.723	0.837	19419282	18.45	PROPANE	1052308.1250	0.0000
1.366	1.332	23896690	18.76	BUTANE	1274009.2500	0.0000
2.208	2.195	26365146	18.90	PENTANE	1395023.1250	0.0000
3.114	3.048	28529396	19.58	HEXANE	1457356.6250	0.0000
4.634	4.788	30397058	18.81	HEPTANE	1616301.3750	0.0000

Totals		
Unknowns	418003	N/A
Quantified	149314768	129.43
Grand Total	149732768	129.43

MISSING PEAKS

No missing peaks.

ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 10-JAN-1997 at 14:31

Uncalibrated peaks use user factor (0.0000)

List Calibration File

CALIBRATION HEADER INFORMATION

Calibration Title : Light Hydrocarbon C1-C6 By GC/FID
General :
Calibration type..... External standard
Units..... PPMV
Calibration base..... Area
Reference Peak Identification :
Reference window..... 5.0 %
Minimum window..... 0.50 mins
Peak threshold..... 0.0 %
Uncalibrated Peaks Response Factor :
Response factor source..... User set response factor
Response factor..... 0.0000
Additional Information :
Source library..... None
Variation tolerance..... 100.00 %
Calibrant Peak Identification :
Calibrant window..... 0.20 mins
Calibrant threshold..... 0.0 %
User Parameter Text :
Parameter name..... FID C1-C6
Response Factor Calibration Curve :
Curve fit..... Linear
Force through zero..... Yes
X transformation..... None
Y transformation..... None
Weighting..... None
Retention Value Calibration Curve :
Curve fit..... Linear
Force through zero..... No
X transformation..... None
Y transformation..... None
Weighting..... None
RV Calculation Mode..... Use Actual Retention Times
Timed Calibration Curve :
Curve fit..... Linear
Force through zero..... No
X transformation..... None
Y transformation..... None
Weighting..... None
No group information entered.

Peak name : **METHANE**
Expected retention time : 0.35 mins (RT range : 0.25 - 0.45 mins)

Peak window mode	Local
Local window	0.20 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	518415.2188	1
L2	16.0000	486006.6875	1
L3	32.0000	421665.5938	1
FID C1-C6	.....	1.0000	

Peak name : **ETHANE**
Expected retention time : 0.50 mins (RT range : 0.40 - 0.60 mins)

Peak window mode	Local
Local window	0.20 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	829502.1875	1
L2	16.0000	751231.3125	1
L3	32.0000	750361.8750	1
FID C1-C6	.....	1.0000	

Peak name : **PROPANE**
Expected retention time : 0.87 mins (RT range : 0.62 - 1.12 mins)

Peak window mode	Local
Local window	0.50 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration Standard Response Calibration

.vel	amount	factor	count
L1	3.2000	1182736.0000	1
L2	16.0000	1159146.3750	1
L3	32.0000	1045316.5625	1
FID C1-C6		..... 1.0000	

Peak name : **BUTANE**
Expected retention time : 1.57 mins (RT range : 1.17 - 1.97 mins)

Peak window mode..... Local
Local window..... 0.80 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	1546638.1250	1
L2	16.0000	1393363.1250	1
L3	32.0000	1265893.0000	1
FID C1-C6		..... 1.0000	

Peak name : **PENTANE**
Expected retention time : 2.40 mins (RT range : 2.15 - 2.65 mins)

Peak window mode..... Local
Local window..... 0.50 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	1690874.2500	1
L2	16.0000	1695303.6250	1
L3	32.0000	1375542.8750	1
FID C1-C6		..... 1.0000	

Peak name : **HEXANE**
Expected retention time : 3.25 mins (RT range : 2.75 - 3.75 mins)

Peak window mode	Local
Local window	1.00 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	1914144.8750	1
L2	16.0000	1835173.3750	1
L3	32.0000	1432642.7500	1
FID C1-C6		1.0000	

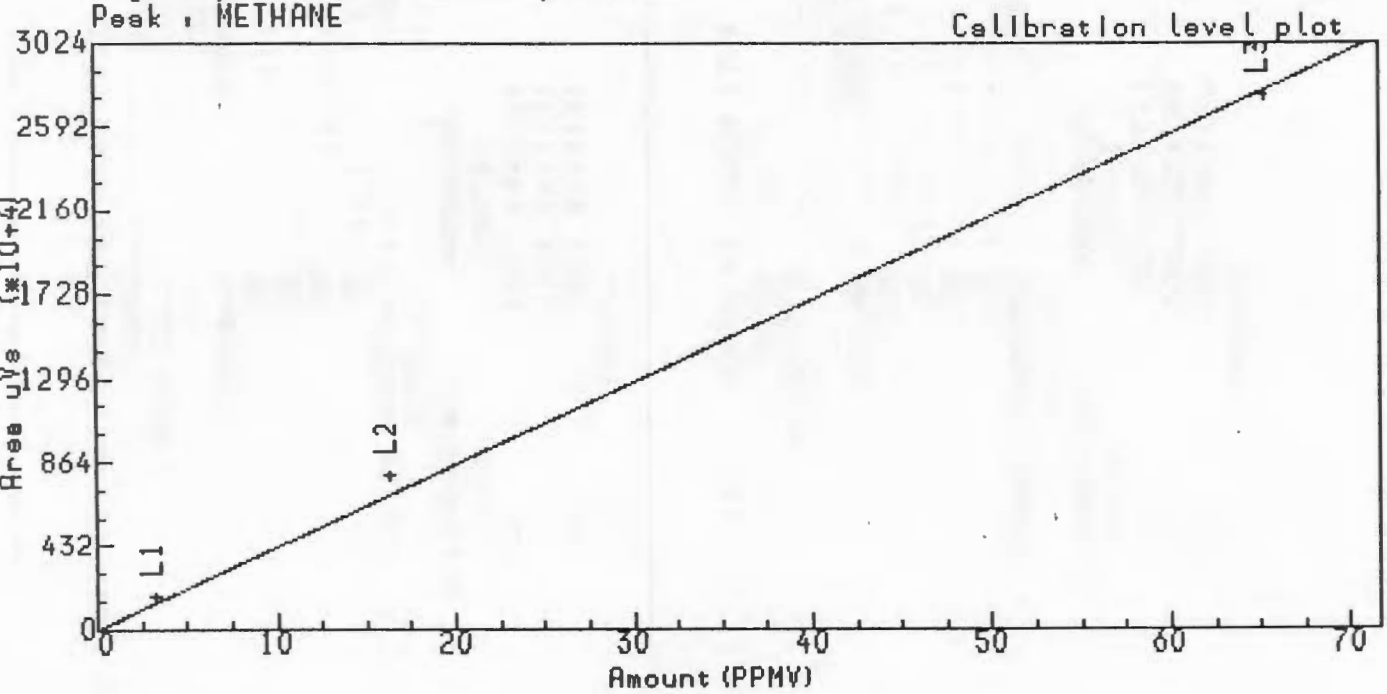
Peak name : **HEPTANE**
Expected retention time : 4.71 mins (RT range : 4.21 - 5.21 mins)

Peak window mode	Local
Local window	1.00 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	1971788.6250	1
L2	16.0000	1574728.2500	1
L3	32.0000	1618043.3750	1
FID C1-C6		1.0000	

nchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : METHANE



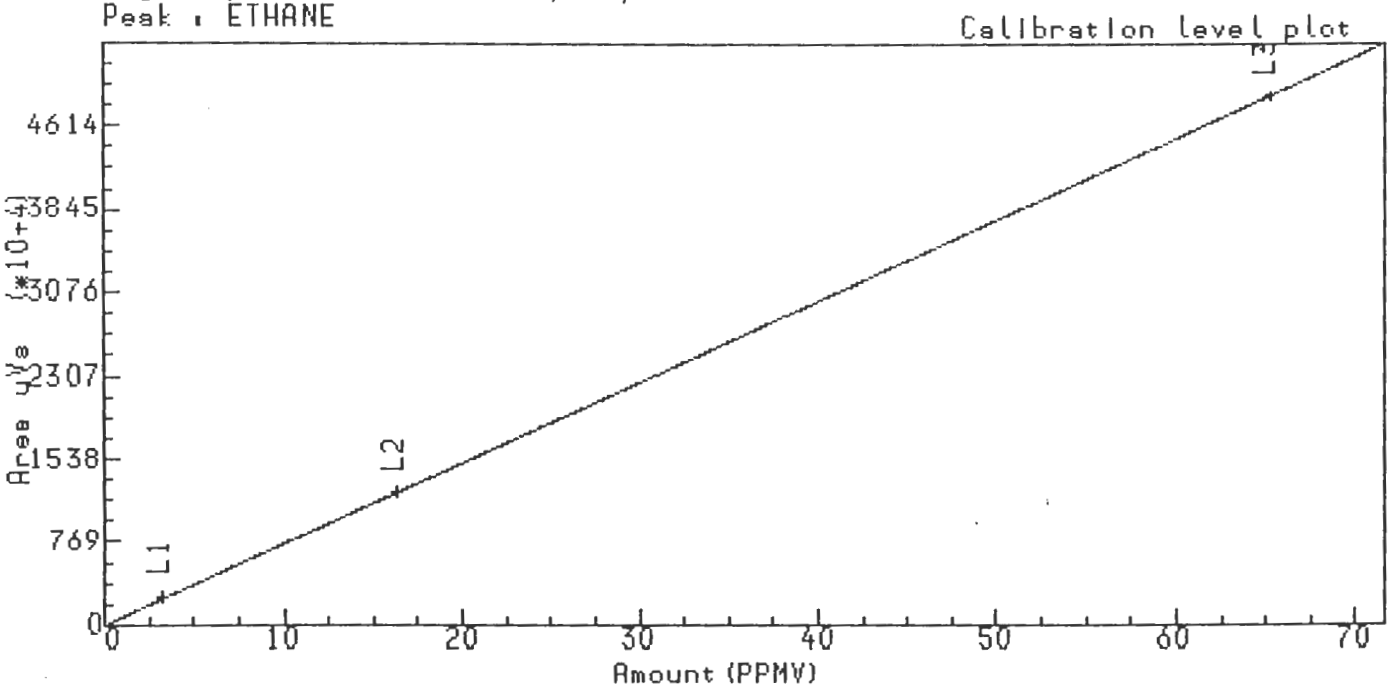
Constant : 0.00000
1st degree : 4.25661E+5

Curve fit : Linear thro' zero
Coeff of determination : 0.99765
Standard error : 7.49498E+5

Reported on 15-JAN-1997 at 12:38

Inchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : ETHANE

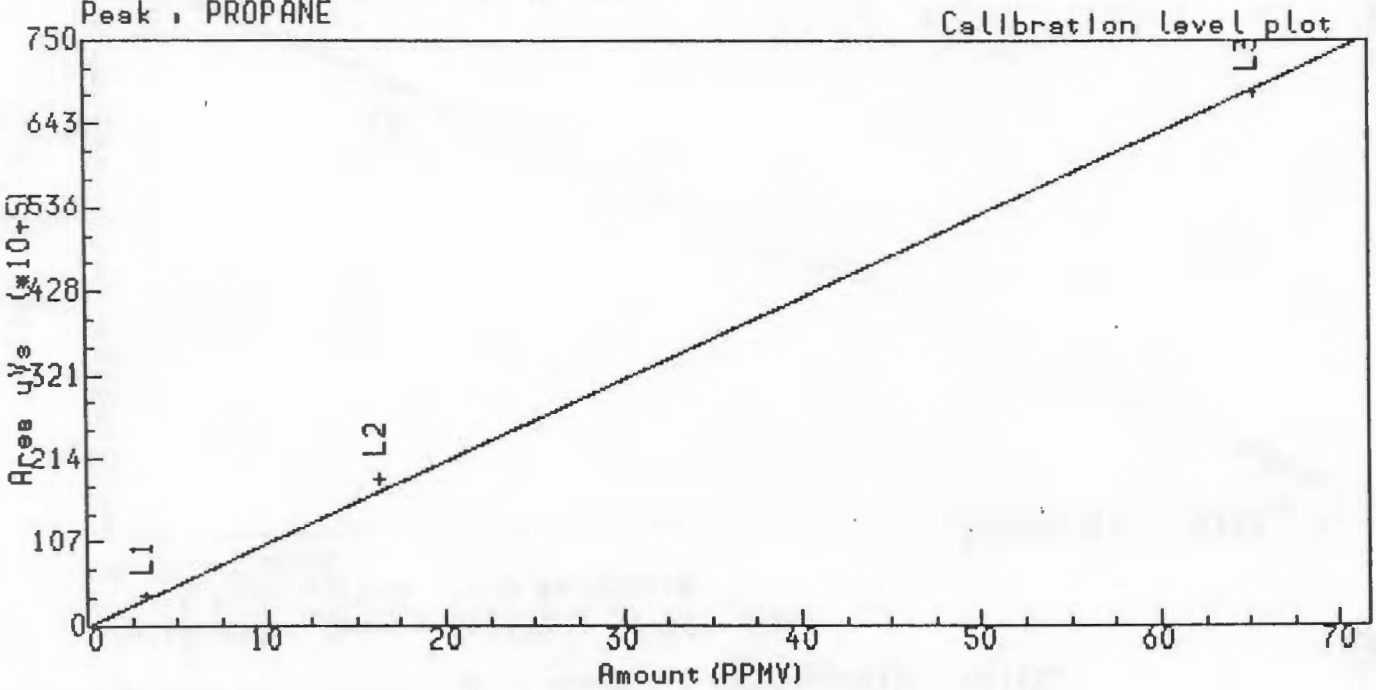


Constant	: 0.00000	Curve fit	: Linear thro' zero
1st degree	: 7.50592E+5	Coeff of determination	: 0.99996
		Standard error	: 1.79020E+5

Reported on 15-JAN-1997 at 12:38

nchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : PROPANE

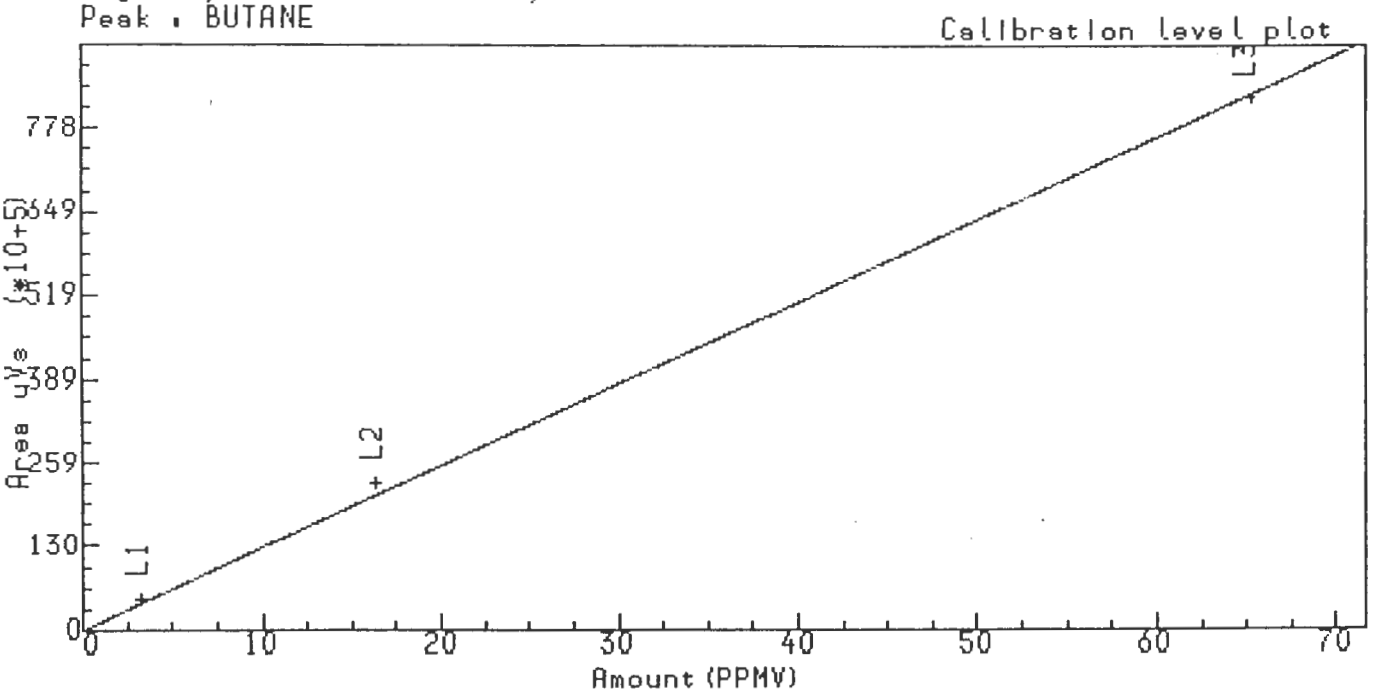


Constant	: 0.00000	Curve fit	: Linear thro' zero
1st degree	: 1.05231E+6	Coeff of determination	: 0.99884
		Standard error	: 1.30665E+6

Reported on 15-JAN-1997 at 12.38

nchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : BUTANE

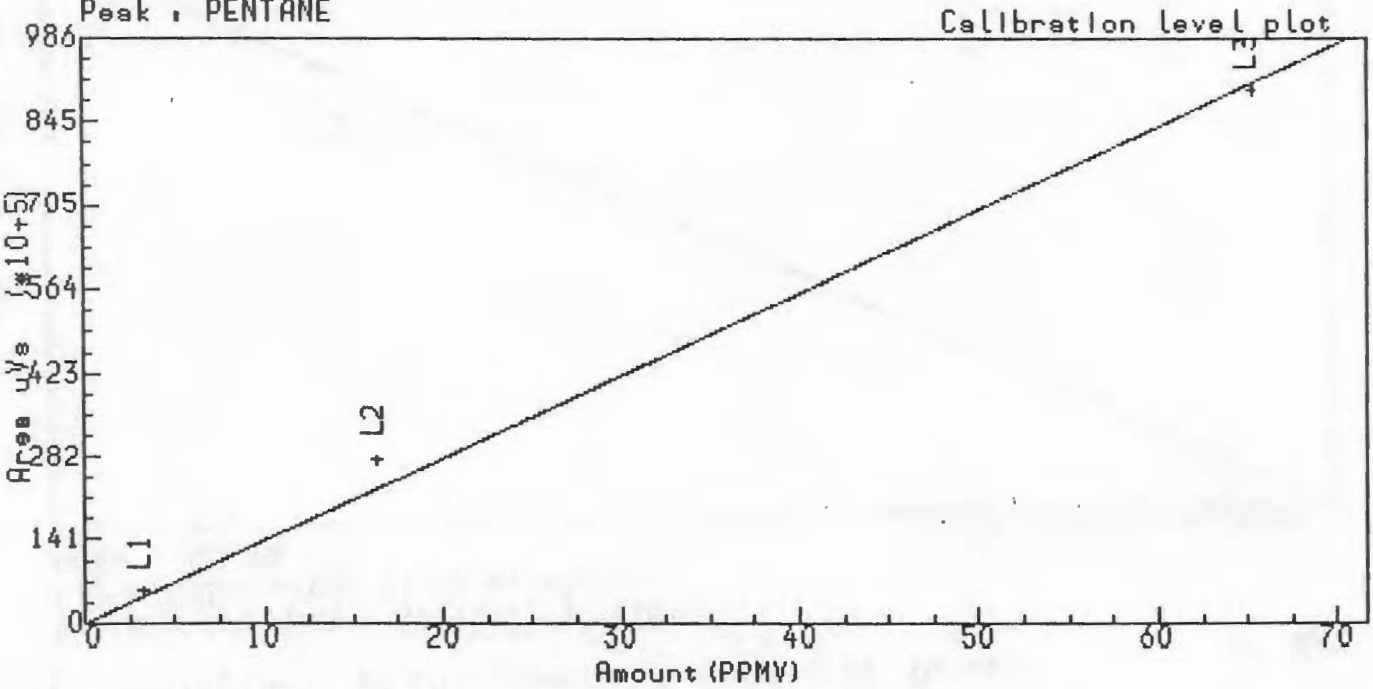


Constant	: 0.00000	Curve fit	: Linear thro' zero
1st degree	: 1.27401E+6	Coeff of determination	: 0.99888
		Standard error	: 1.55338E+6

Reported on 15-JAN-1997 at 12.39

Inchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : PENTANE



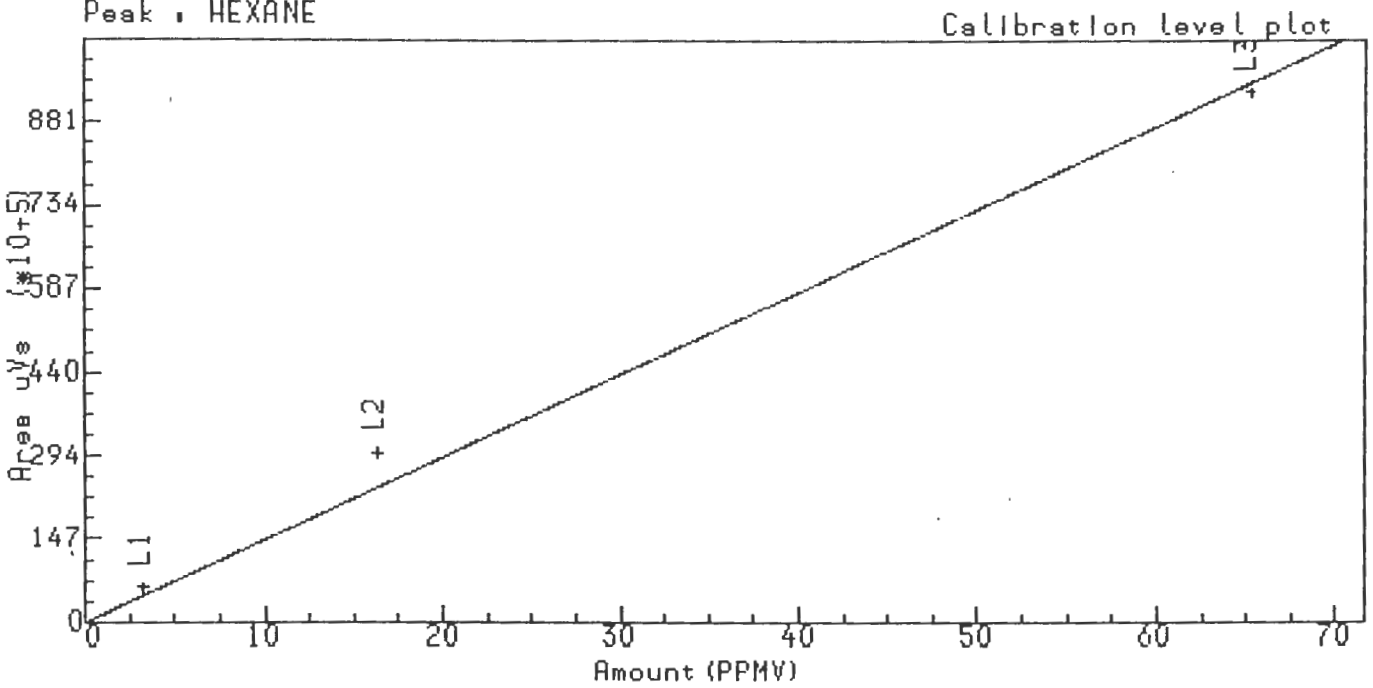
Constant : 0.00000
1st degree : 1.39502E+6

Curve fit : Linear thro' zero
Coeff of determination : 0.99478
Standard error : 3.63774E+6

Reported on 15-JAN-1997 at 12:39

Inchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : HEXANE

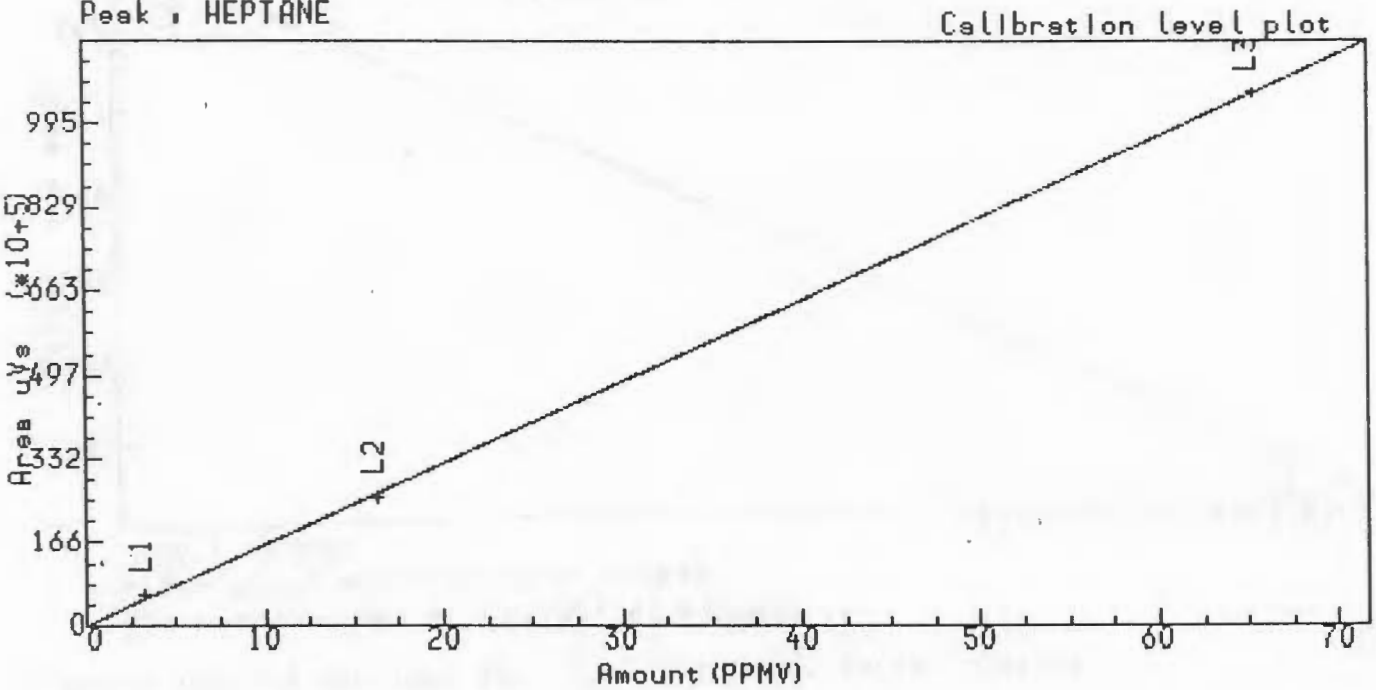


Constant	: 0.00000	Curve fit	: Linear thro' zero
1st degree	: 1.45736E+6	Coeff of determination	: 0.99220
		Standard error	: 4.61839E+6

Reported on 15-JAN-1997 at 12:39

nchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : HEPTANE



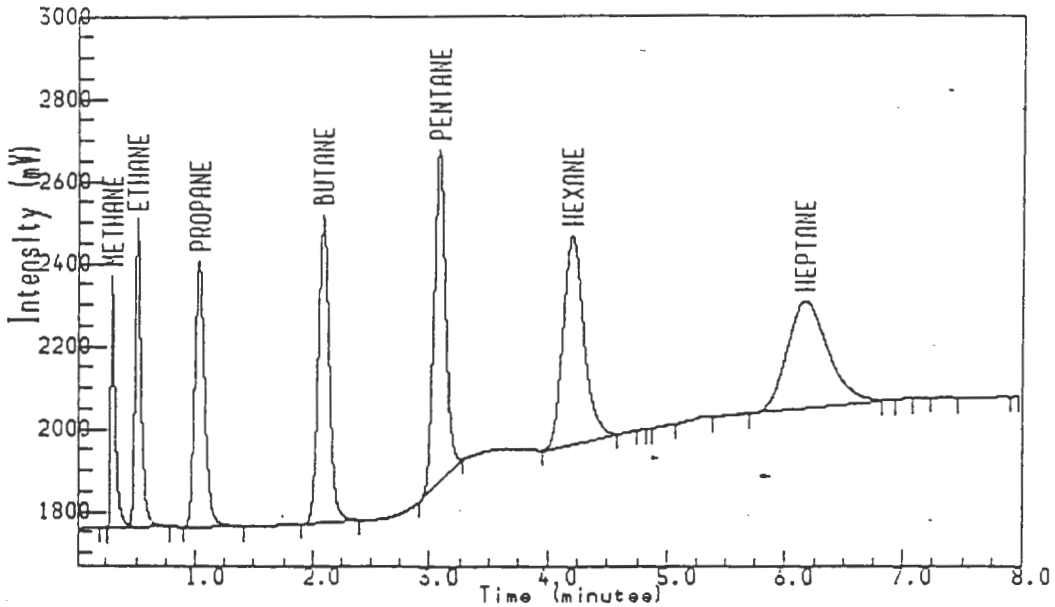
Constant : 0.00000
1st degree : 1.61630E+6

Curve fit : Linear thro' zero
Coeff of determination : 0.99975
Standard error : 9.39718E+5

Reported on 15-JAN-1997 at 12.39

Injection Report

Acquired on 15-JUL-1996 at 12:17



ichcape Testing Services - Dallas

st Name	: LWU/GD
Id	:
omment	: C1-C6 BY GC/FID
ethod Title	: LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name	: 3.20 PPM SCOTT MIX 243
Sample Id	:
mple Type	: Standard Amount=1.00000
ottle No	: 4

PEAK INFORMATION

mins RT	Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.297	0.300	1658929	4.08	METHANE	406600.9688	0.0000
0.510	0.460	2654407	3.40	ETHANE	779827.4375	0.0000
1.032	0.960	3784755	3.46	PROPANE	1093280.0000	0.0000
2.097	2.000	4949242	4.17	BUTANE	1188272.6250	0.0000
3.079	2.930	5410798	4.04	PENTANE	1338474.3750	0.0000
4.197	3.970	6125264	3.82	HEXANE	1605122.0000	0.0000
6.166	6.173	6309724	3.68	HEPTANE	1713622.1250	0.0000

Totals

Knowns	94379	N/A
antified	30893120	26.65

tal 30987498 26.65

MISSING PEAKS

No missing peaks.

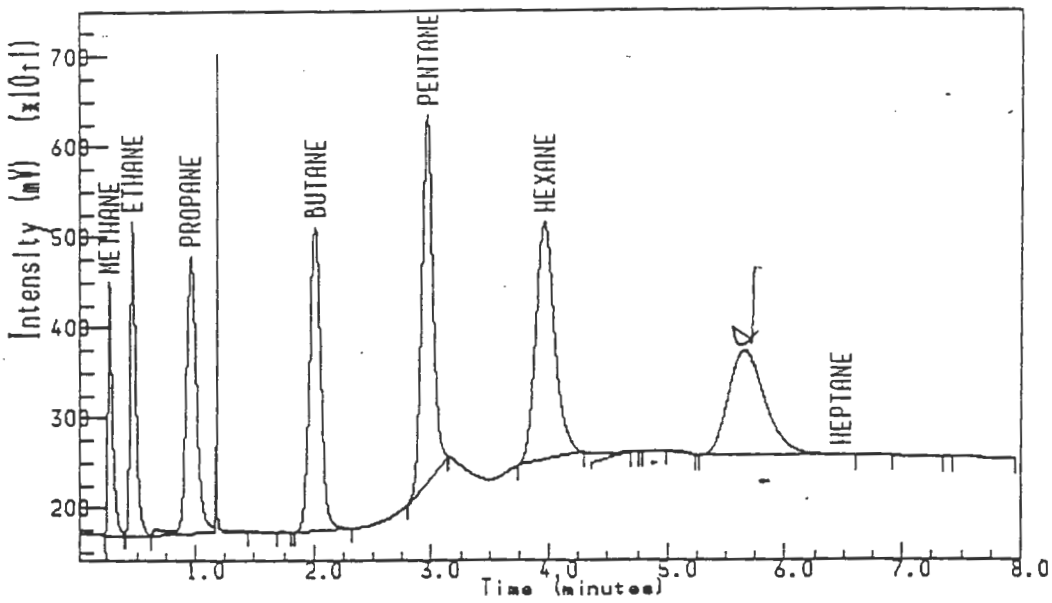
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID~~0715~~ 1029
External standard calibration using area
Calibration last modified on 15-JUL-1996 at 13:42

Uncalibrated peaks use user factor (0.0000)

Injection Report

cquired on 15-JUL-1996 at 09:40



Inchcape Testing Services - Dallas

Analyst Name : LWU/GD
Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 16.0 PPM SCOTT MIX 243
Sample Id :
Sample Type : Standard Amount=1.00000
Bottle No : 4

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.266	0.300	7776107	19.12	METHANE	406600.9688	0.0000
0.463	0.460	12019701	15.41	ETHANE	779827.4375	0.0000
0.966	0.960	18546342	16.96	PROPANE	1093280.0000	0.0000
2.010	2.000	22293810	18.76	BUTANE	1188272.6250	0.0000
2.961	2.930	27124858	20.27	PENTANE	1338474.3750	0.0000
3.954	3.970	29362774	18.29	HEXANE	1605122.0000	0.0000

Totals

Unknowns	27116832	N/A
Quantified	117123600	108.82
Grand Total	144240432	108.82

MISSING PEAKS

No missing peaks.

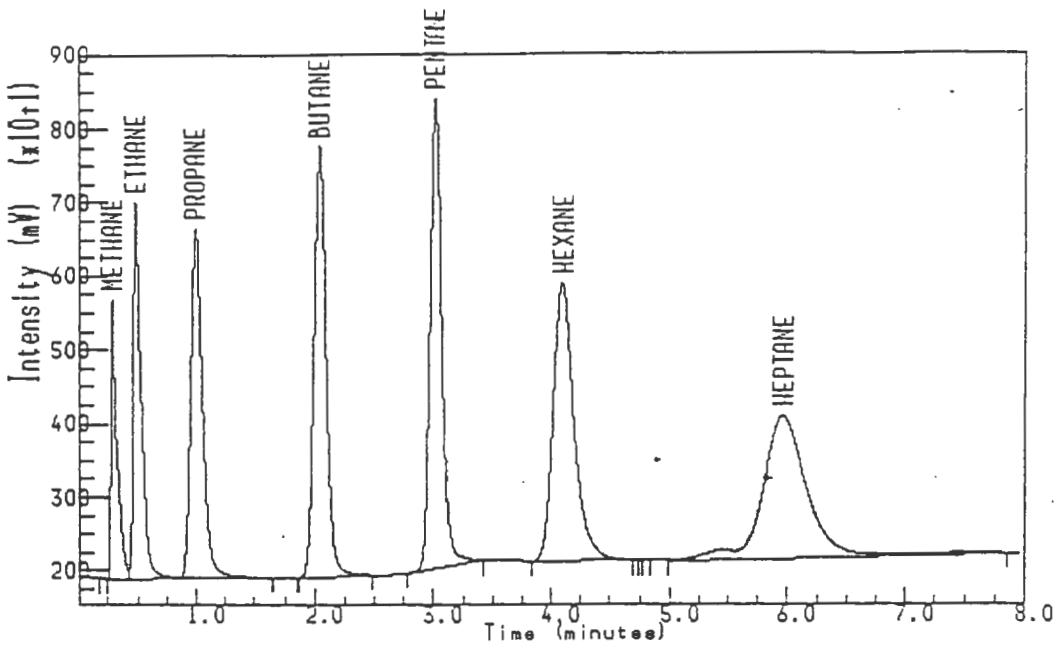
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID~~0715~~ 1029
External standard calibration using area
Calibration last modified on 15-JUL-1996 at 13:42

Uncalibrated peaks use user factor (0.0000)

Injection Report

)
..cquired on 15-JUL-1996 at 12:34



ochcape Testing Services - Dallas

)
alyst Name : LWU/GD
ims Id :
omment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
ample Name : 32.0 PPM SCOTT MIX 243
ample Id :
ample Type : Standard Amount=1.00000
Bottle No : 4

PEAK INFORMATION

T mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.286	0.300	13493299	33.19	METHANE	406600.9688	0.0000
0.483	0.460	24011580	30.79	ETHANE	779827.4375	0.0000
0.997	0.960	33450130	30.60	PROPANE	1093280.0000	0.0000
2.046	2.000	40508576	34.09	BUTANE	1188272.6250	0.0000
3.021	2.930	44017372	32.89	PENTANE	1338474.3750	0.0000
4.097	3.970	45844568	28.56	HEXANE	1605122.0000	0.0000
5.959	6.173	51777388	30.22	HEPTANE	1713622.1250	0.0000

otals		
knowns	214509	N/A
Quantified	253102928	220.33

)

Grany tal 253317440 220.33

MISSING PEAKS

No missing peaks.

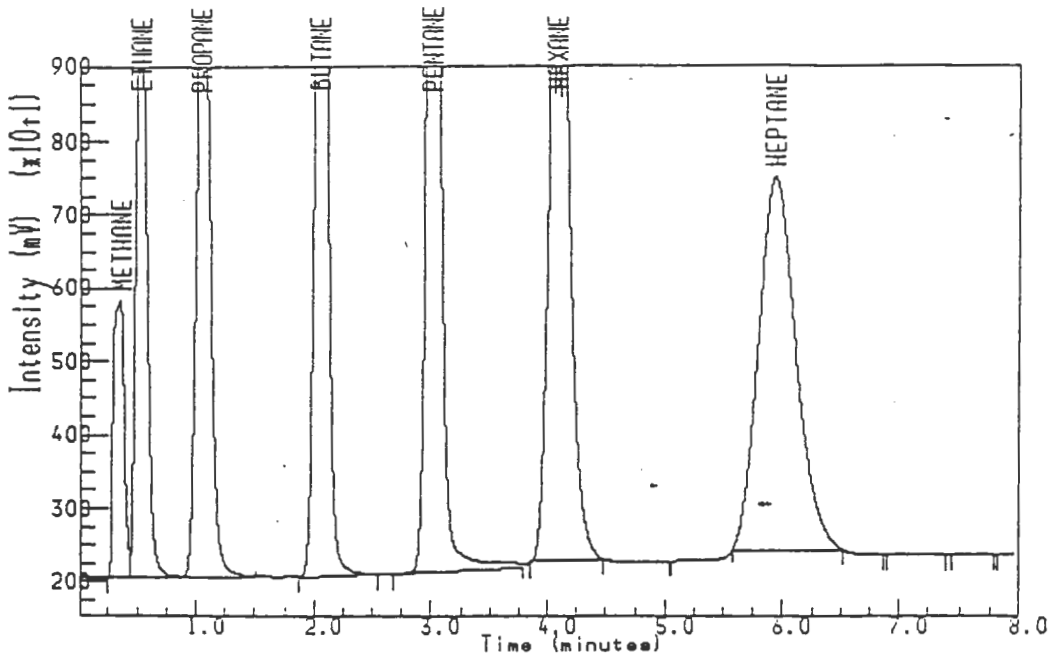
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID~~0715~~1029
External standard calibration using area
Calibration last modified on 15-JUL-1996 at 13:42

Uncalibrated peaks use user factor (0.0000)

Injection Report

ired on 15-JUL-1996 at 12:47



nchcape Testing Services - Dallas

yst Name : LWU/GD
ms Id :
omment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 64 PPM SCOTT MIX 243
ample Id :
ample Type : Standard Amount=1.00000
Bottle No : 4

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.359	0.300	25445914	62.58	METHANE	406600.9688	0.0000
0.543	0.460	50486844	64.74	ETHANE	779827.4375	0.0000
1.063	0.960	70459560	64.45	PROPANE	1093280.0000	0.0000
2.061	2.000	73929824	62.22	BUTANE	1188272.6250	0.0000
3.014	2.930	83585568	62.45	PENTANE	1338474.3750	0.0000
4.088	3.970	104517824	65.12	HEXANE	1605122.0000	0.0000
5.932	6.173	111715344	65.19	HEPTANE	1713622.1250	0.0000

Totals		
nknowns	45193	N/A
Quantified	520140896	446.74
Grand Total	520186080	446.74

MISSING PEAKS

No missing peaks.

ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID0715
External standard calibration using area
Calibration last modified on 15-JUL-1996 at 16:39

Uncalibrated peaks use user factor (0.0000)

PREPARATION AND ANALYSIS LOGS

GC/MS AIR SUMMARY LOG

DATE: 071596
ANALYST: SS/GD
INST. ID.: GC/FID ~~HP~~ Varian 3600
BATCH(S):
METHOD(S): 071596-1
MATRIX: GC/FID
SUBLIST(S): Air
BAROMETER:

STANDARDS
TO-14
TO-1/2
GAS/TPH
OTHER

DATA FILE	ALS #	SAMPLE ID	SAMPLE DESCRIPTION	CAN #	IP (PSI)	FP (PSI)	CAN DF.	INJ VOL (ml)	DF
>071596-1		STD	Calibration ~~10 ppm~~ 3.2 ppm Scott 243	—	—	—	—	0.1	1
>071596-2		STD	Scott Mix 243 16.0 ppm	—	—	—	—	0.5	1
>071596-3		STD	Scott Mix 243 32.0 ppm	—	—	—	—	1.0	1
>071596-4		std	Scott Mix 243 64.0 ppm	✓	✓	✓	✓	2.0	1
> -5		STD	Scott Mix 243 0.5 ml = 16 ppm	—		—	—	0.5	1
> -6		STD	~~0.5 ml 16 ppm~~ 32 ppm 7.13.96 SS		—	—	—	1.0	1
> -7		STD	Scott Mix 243 16.0 ppm	—	—	—	—	0.5	1
> -8		7494-3	~~Scott Mix 243~~ 7.15.96 SS					0.5	1
> -9		STD	Scott Mix 243 0.5 ml = 16.0 ppm	—	—	—	—	0.5	1
> -10		STD	3.2 ppm	—	—	—	—	0.1	1
> -11		STD	32 ppm Scott Mix 243 7.13.96 SS ~~16.0~~ ppm	—	—	—	—	1.0	1
> -12		STD	Scott Mix 234 64 ppm	—	—	—	—	2.0	1
> -13		BLK	7.15.96 SS ~~Blk~~ Argon	—	—	—	—	0.5	1
> -14		~~LCS BLK~~ ~~7394-3~~ 7.13.96 CS	Argon	—	—	—	—	0.5	1

COMMENTS

GC/MS AIR SUMMARY LOG

DATE: 011397
ANALYST: ss
INST. ID.: GC / FID
BATCH(S): F011397-1
METHOD(S): RSK175 / Headspace
MATRIX: Headspace
SUBLIST(S):
BAROMETER:

STANDARDS
TO-14
TO-1/2
GAS/TPH
OTHER

DATA FILE	ALS #	SAMPLE ID	SAMPLE DESCRIPTION	CAN #	IP (PSI)	FP (PSI)	CAN DF.	INJ VOL	DF
> 011397-1		STD	Scott mix 243					0.5	1.0
> -2		STD	Scott mix 243					0.5	1.0
> -3		BLK	Air Gas					0.5	1.0
> -4		LCS	Scott mix 243					0.5	1.0
> -5		LCSD	↓					0.5	1.0
> -6		LCS	↓					0.5	10
> -7		097 405-1	ITS-1/Burlington 323555	Headspace		30mL	Hdsp	0.5	1.0
> -8		405-2	323557			↓		0.5	1.0
> -9		-3	323559					0.5	1.0
> -10		-4	323562					0.5	1.0
> -11		-5	323564					0.5	1.0
> -12		-6	323567					0.5	1.0
-13		-7	323569					0.5	1.0
-14		-89	323573			↓		0.5	1.0

COMMENTS

GC/MS AIR SUMMARY LOG

TE: Cont 011397
ANALYST:
INST. ID.:
TCH(S):
THOD(S):
ATRIX:
UBLIST(S):
RCMETER:

STANDARDS
TO-14
TO-1/2
GAS/TPH
OTHER

DATA FILE	ALS #	SAMPLE ID	SAMPLE DESCRIPTION	CAN #	IP (PSI)	FP (PSI)	CAN DF.	INJ VOL mL	DF	
			175 / Burlington							
011397	-15	405-10	323575	Headspace/30mL Hz				0.5	1.0	
-16		-11	323400							
-17		-12	323402							
-18		-13	323404							
-19		-14	323406							
-20		-8	323571							R
-21		-8	↓					0.01	50	R
			ERM-west INC							
-22		418-2	B-100					0.1	5.0	
-23		-3	B-99					0.1		
-24		-4	B-52					0.1		
-25		-5	B-52D					0.1	5.0	
-26		-6	B30					0.1	5.0	R
-27		-6	B-30					0.5	1.0 5.0	
-28		-1	B-102					0.01	1.0	R

COMMENTS

GC/MS AIR SUMMARY LOG

DATE: cont 011397
ANALYST:
INST. ID.:
BATCH(S):
METHOD(S):
MATRIX:
SUBLIST(S):
BARCMETER:

STANDARDS
TO-14
TO-1/2
GAS/TPH
OTHER

DATA FILE	ALS #	SAMPLE ID	SAMPLE DESCRIPTION	CAN #	IP (PSI)	FP (PSI)	CAN DF.	INJ VOL ml	DF
		097	Hea ERM-west	INC					
> -29		418-1	B102	Headspace		30 mL	Hea	0.1	5.0
> -30		389-1	RS-Row 7					0.01	50
> -31		-2	RSHC-1					0.01	50
> -32		-3	RS-6A					0.01	50
> -33		-4	B-78					0.01	50
> -34		405-8	I. ITS / Burlington 33571					1/1000	
> -35		405-8	33571					1/1000 0.05	10,000
> -36		418-4	ERM-west Inc. B-52					0.1	5.0
> -37		418-5	B-52 D					0.1	5.0
>									
>									
>									
>									
>									

011397

COMMENTS

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Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 972-238-5591
Fax 972-238-5592

CUSTOMER: ITS/Burlington
PROJECT: 93206 SDG:63438

REPORT NUMBER: D97-534
SAMPLES RECEIVED: 15-January-1997

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 972-238-5591
Fax 972-238-5592

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(D97-534)

Inchcape Testing Services
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Fax. 214-238-5592

CASE NARRATIVE

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 972-238-5591
Fax 972-238-5592

DATE RECEIVED: 15-JAN-1997

REPORT NUMBER: D97-534
REPORT DATE: 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
Colchester, VT 05446
ATTENTION : Chris Oulette

PROJECT : 93206 SDG:63438

DATE SAMPLED : 10-JAN-1997

CASE NARRATIVE COMMENTS:

This is an ITS Level 3 data package, containing results for the analysis of volatiles by EPA method RSK 175.

RSK 175 Volatiles Analysis

No issues were noted during the sample analysis for this task.

Please refer to the attached Case Narrative Summary for sample identifications and analytical requests.

If you have any questions, please feel free to contact Mr. John (J.T.) Todd at (972) 238-5591.

Gregory K. Horton
Data Review

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 972-238-5591
Fax 972-238-5592

JOB ID : D97-534
CUSTOMER : ITS/Burlington
PROJECT : 93206 SDG:63438

SAMPLE ID : D97-534-1 DATE SAMPLED : 10-JAN-1997
ID MARKS : 323726

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			LAJ	15-JAN-1997	F011597-1

SAMPLE ID : D97-534-2 DATE SAMPLED : 15-JAN-1997
ID MARKS : Method Blank

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			LAJ	15-JAN-1997	F011597-1

ANALYSIS	DESCRIPTION
RSK_175	Dis. Gas in Water RSK 175

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 214-238-5591
Fax. 214-238-5592

CHAIN OF CUSTODY

Chain-of-Custody Record

S
ironmental Laboratories

55 South Park Drive
Colchester, VT 05446

TEL: (802) 655-1203
FAX: (802) 655-1248

PAGE _

OMPANY INFORMATION	COMPANY'S PROJECT INFORMATION	SHIPPING INFORMATION	VOLUME/CONTA PRESERVATIV
ITS .PARK DRIVE CHESTER, VT 05446 me: CHRIS O'BELLETTE	Project Name: 93206 Project Number: SDG: 63438 Sampler Name(s): SA	Carrier: Airbill Number: Date Shipped: Hand Delivered: ☐ yes ☐ no	40ml / VIAL / — / / / /

ITS LABORATORY INFORMATION — Quote #: — Client Code:

IDENTIFICATION (NOTE 1)	COLLECTION DATE	COLLECTION TIME	GRAB	COMPOSITE	MATRIX	ANALYSIS/REMARKS (NOTE 2,3)	NUMBER OF C		
726	1/10/97				WATER	METHANE/ETHANE/ETHENE	3	53	

COOLER TEMPERATURE WHEN RECEIVED 4 °C

ed by: (signature)	DATE	TIME	Received by: (signature)
	1/14/97	1730	
ed by: (signature)	DATE	TIME	Received by: (signature)
ed by: (signature)	DATE	TIME	Received for Laboratory by: (signature)
			C. McNair 1272 1-15-97

NOTES TO SAMPLER(S): (1) Limit Sample Identification to 6 characters, if p
(2) Indicate designated Lab Q.C. sample and type (e.g.: MS/MSD/REP) and p
sufficient sample; (3) Field duplicates are separate sample; (4) e.g.: 40 ml/g

Notes to Lab: THIS IS THE END OF SDG: 63438

n: Original Accompanies Shipment; Copy to Coordinator Field Files

Inchcape Testing Services
NDRC Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 214-238-5591
Fax. 214-238-5592

ANALYTICAL RESULTS

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 972-238-5591
Fax 972-238-5592

ANALYTICAL REPORT

DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-534
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette
PROJECT : 93206 SDG:63438

Included in this data package are the analytical results for the sample group which you have submitted to Inchcape Testing Services for analysis. These results are representative of the samples as received by the laboratory.

The information contained herein has undergone extensive review and is deemed accurate and complete. Sample analysis and quality control were performed in accordance with all applicable protocols. Please refrain from reproducing this report except in its entirety.

If you have any questions regarding this report and its associated materials please call your Project Manager at (972) 238-5591.

We appreciate the opportunity to serve you and look forward to providing continued service in the future.

Martin Jeffus
General Manager

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 972-238-5591
Fax 972-238-5592

DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-534-1
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323726
PROJECT : 93206 SDG:63438
DATE SAMPLED : 10-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : LAJ
ANALYZED ON : 15-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011597-1

DISSOLVED GASES IN WATER					
TEST REQUESTED	DETECTION LIMIT		RESULTS		
Methane	0.5	ppbw		0.8	ppbw
Ethane	0.5	ppbw	<	0.5	ppbw
Ethene	0.5	ppbw	<	0.5	ppbw

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 972-238-5591
Fax 972-238-5592

DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-534-2
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : Method Blank
PROJECT : 93206 SDG:63438
DATE SAMPLED : 15-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : LAJ
ANALYZED ON : 15-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011597-1

DISSOLVED GASES IN WATER					
TEST REQUESTED	DETECTION LIMIT		RESULTS		
Methane	0.5	ppbw	<	0.5	ppbw
Ethane	0.5	ppbw	<	0.5	ppbw
Ethene	0.5	ppbw	<	0.5	ppbw

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 214-238-5591
Fax. 214-238-5592

QC SUMMARY

Inchcape Testing Services
Environmental Laboratories

1089 E. Collins Blvd.
Richardson, TX 75081
Tel. 972-238-5591
Fax 972-238-5592

REPORT DATE : 16-JAN-1997 REPORT NUMBER : D97-534

SAMPLE SUBMITTED BY : ITS/Burlington
ATTENTION : Chris Oulette
PROJECT : 93206 SDG:63438

LABORATORY QUALITY CONTROL REPORT

ANALYTE	Methane	Ethane
BATCH NO.	F011597-1	F011597-1
LCS LOT NO.	---	---
PREP METHOD	---	---
PREPARED BY	---	---
ANALYSIS METHOD	RSK 175	RSK 175
ANALYZED BY	LAJ	LAJ
UNITS	ppbw	ppbw
METHOD BLANK	< 0.5	< 0.5
SPIKE LEVEL	3.49	6.97
SPK REC LIMITS	70.0 - 130	70.0 - 130
SPK RPD LIMITS	30.0	30.0
MS RESULT	NA	NA
MS RECOVERY %	NA	NA
MSD RESULT	NA	NA
MSD RECOVERY %	NA	NA
MS/MSD RPD %	NA	NA
BS RESULT	3.47	6.80
BS RECOVERY %	99.4	97.6
BSD RESULT	3.50	7.31
BSD RECOVERY %	100	105
BS/BSD RPD %	0.86	7.23
DUP RPD LIMITS	---	---
DUPLICATE RPD %	NA	NA
LCS LEVEL	3.49	6.97
LCS REC LIMITS	70.0 - 130	70.0 - 130
LCS RESULT	SEE_BS	SEE_BS
LCS RECOVERY %	SEE_BS	SEE_BS
SPIKE SAMPLE ID	---	---
SAMPLE VALUE	---	---
DUP SAMPLE ID	---	---
DUP SAMPLE VAL/1	---	---
DUP SAMPLE VAL/2	---	---

NA Not applicable
SEE_BS LCS and LCS Duplicate reported as BS and BSD.

VOLATILES

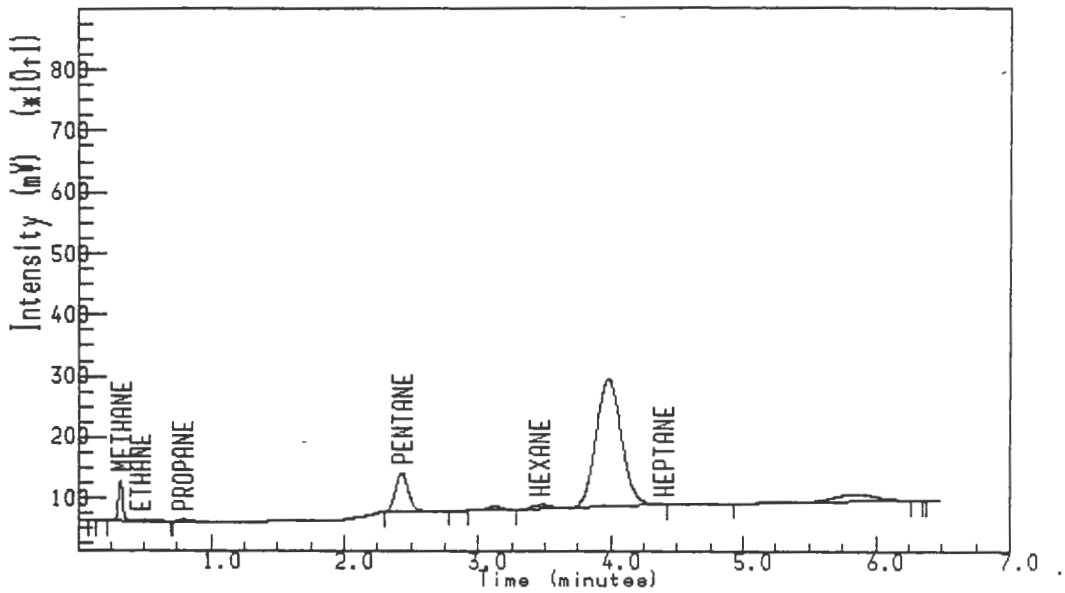
D97-534

SAMPLES

Reported on 15-JAN-1997 at 17:00
Modified on 15-JAN-1997 at 15:10

Injection Report

Acquired on 15-JAN-1997 at 16:31



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 534-1 HS 323796 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 15

011597 LS

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.330	0.360	1556044	3.66	METHANE *0.218+1.0569 = 0.843ppmv	425660.6563	0.0000
0.479	0.470	81504	0.11	ETHANE	750591.9375	0.0000
0.792	0.837	154005	0.15	PROPANE	1052308.1250	0.0000
2.432	2.315	4172861	2.99	PENTANE	1395023.1250	0.0000
3.468	3.319	828601	0.57	HEXANE	1457356.6250	0.0000

Totals		
Unknowns	31690534	N/A
Quantified	6793015	7.47
Grand Total	38483548	7.47

MISSING PEAKS

RT mins	Peak name
1.453	BUTANE

ANALYSIS SUMMARY

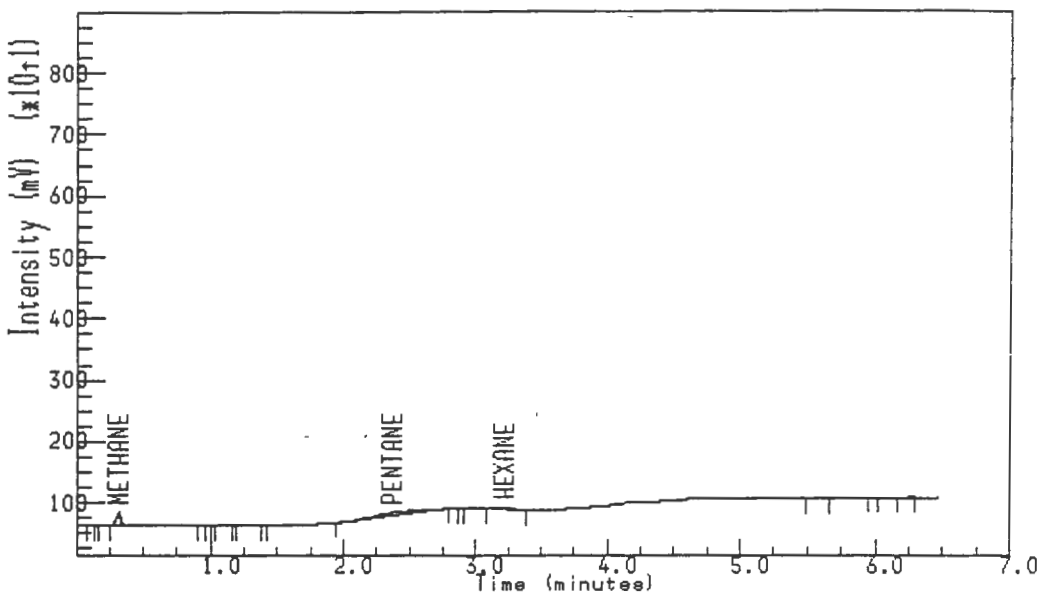
Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 16:36

Uncalibrated peaks use user factor (0.0000)

QUALITY CONTROL DATA

Injection Report

Acquired on 15-JAN-1997 at 14:38



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : BLK
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 4

011597/43

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.326	0.360	551576	1.30	METHANE	425660.6563	0.0000
2.361	2.315	1408457	1.01	PENTANE	1395023.1250	0.0000
3.217	3.319	134625	0.09	HEXANE	1457356.6250	0.0000

Totals		
Unknowns	96830	N/A
Quantified	2094658	2.40
Grand Total	2191488	2.40

MISSING PEAKS

RT mins	Peak name
0.550	ETHANE
4.788	HEPTANE

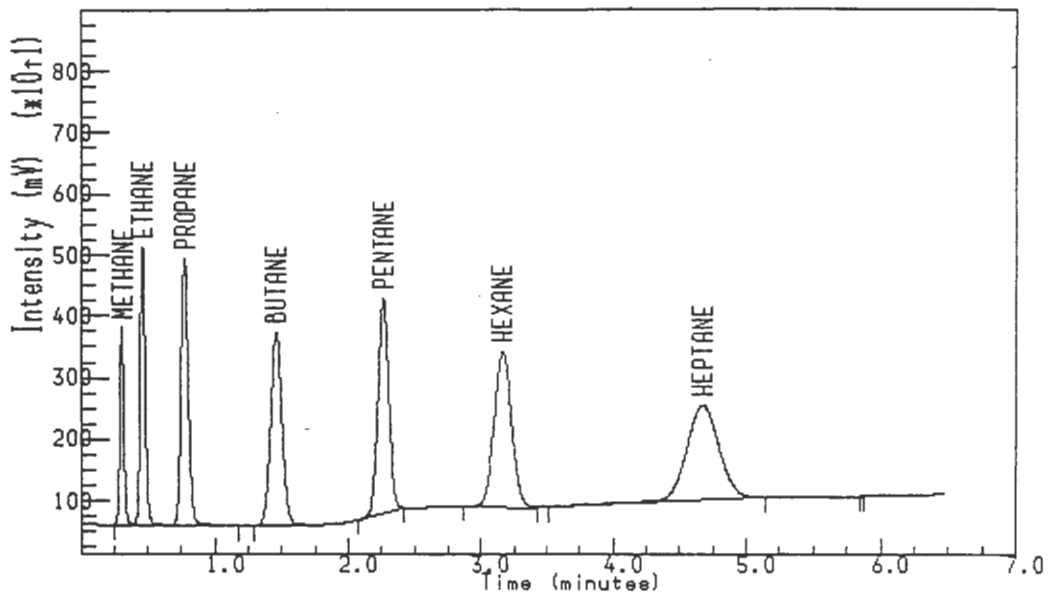
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 12:37

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JAN-1997 at 14:46



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : LCS 16.0PPB SCOTT MIX243
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 4

011597

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.317	0.360	6769718	15.90	METHANE *0.218=3.47 ppbw	425660.6563	0.0000
0.468	0.470	11706640	15.60	ETHANE *0.218*2=6.80 "	750591.9375	0.0000
0.779	0.837	16192883	15.39	PROPANE	1052308.1250	0.0000
1.463	1.453	18421096	14.46	BUTANE	1274009.2500	0.0000
2.266	2.315	19897266	14.26	PENTANE	1395023.1250	0.0000
3.166	3.319	23068362	15.83	HEXANE	1457356.6250	0.0000
4.672	4.788	27338130	16.91	HEPTANE	1616301.3750	0.0000

Totals

Unknowns	4735	N/A
Quantified	123394088	108.35

Grand Total	123398824	108.35

MISSING PEAKS

No missing peaks.

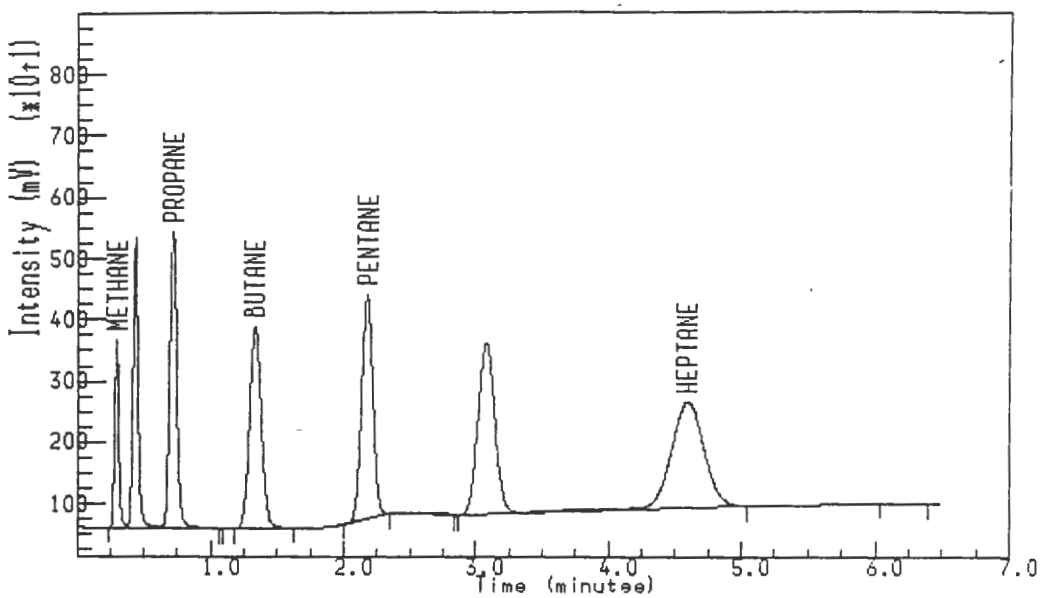
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 15:35

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JAN-1997 at 14:56



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : LCSD
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 4

0115974

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.303	0.360	6843692	16.08	METHANE * 0.218 = 3.51 ppbw	425660.6563	0.0000
0.721	0.837	17637584	16.76	PROPANE * 0.2352 = 7.31	1052308.1250	0.0000
1.337	1.646	20369982	15.99	BUTANE	1274009.2500	0.0000
2.177	2.315	21665628	15.53	PENTANE	1395023.1250	0.0000
4.592	4.788	30131552	18.64	HEPTANE	1616301.3750	0.0000

Totals		
Unknowns	37573188	N/A
Quantified	96648440	83.00
Grand Total	134221632	83.00

MISSING PEAKS

RT mins	Peak name
0.550	ETHANE
3.319	HEXANE

ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 12:37

Uncalibrated peaks use user factor (0.0000)

CALIBRATION DATA

List Calibration File

CALIBRATION HEADER INFORMATION

Calibration Title : Light Hydrocarbon C1-C6 By GC/FID
General :
Calibration type..... External standard
Units..... PPMV
Calibration base..... Area
Reference Peak Identification :
Reference window..... 5.0 %
Minimum window..... 0.50 mins
Peak threshold..... 0.0 %
Uncalibrated Peaks Response Factor :
Response factor source..... User set response factor
Response factor..... 0.0000
Additional Information :
Source library..... None
Variation tolerance..... 100.00 %
Calibrant Peak Identification :
Calibrant window..... 0.20 mins
Calibrant threshold..... 0.0 %
User Parameter Text :
Parameter name..... FID C1-C6
Response Factor Calibration Curve :
Curve fit..... Linear
Force through zero..... Yes
X transformation..... None
Y transformation..... None
Weighting..... None
Retention Value Calibration Curve :
Curve fit..... Linear
Force through zero..... No
X transformation..... None
Y transformation..... None
Weighting..... None
RV Calculation Mode..... Use Actual Retention Times
Timed Calibration Curve :
Curve fit..... Linear
Force through zero..... No
X transformation..... None
Y transformation..... None
Weighting..... None
No group information entered.

Peak name : **METHANE**
Expected retention time : 0.35 mins (RT range : 0.25 - 0.45 mins)

Peak window mode	Local
Local window	0.20 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	518415.2188	1
L2	16.0000	486006.6875	1
L3	32.0000	421665.5938	1
FID C1-C6		1.0000	

Peak name : **ETHANE**
Expected retention time : 0.50 mins (RT range : 0.40 - 0.60 mins)

Peak window mode	Local
Local window	0.20 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	829502.1875	1
L2	16.0000	751231.3125	1
L3	32.0000	750361.8750	1
FID C1-C6		1.0000	

Peak name : **PROPANE**
Expected retention time : 0.87 mins (RT range : 0.62 - 1.12 mins)

Peak window mode	Local
Local window	0.50 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration	Standard	Response	Calibration

vel	amount	factor	count
L1	3.2000	1182736.0000	1
L2	16.0000	1159146.3750	1
L3	32.0000	1045316.5625	1
FID C1-C6		..... 1.0000	

Peak name : **BUTANE**
Expected retention time : 1.57 mins (RT range : 1.17 - 1.97 mins)

Peak window mode..... Local
Local window..... 0.80 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	1546638.1250	1
L2	16.0000	1393363.1250	1
L3	32.0000	1265893.0000	1
FID C1-C6		..... 1.0000	

Peak name : **PENTANE**
Expected retention time : 2.40 mins (RT range : 2.15 - 2.65 mins)

Peak window mode..... Local
Local window..... 0.50 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	1690874.2500	1
L2	16.0000	1695303.6250	1
L3	32.0000	1375542.8750	1
FID C1-C6		..... 1.0000	

Peak name : **HEXANE**
Expected retention time : 3.25 mins (RT range : 2.75 - 3.75 mins)

Peak window mode	Local
Local window	1.00 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	1914144.8750	1
L2	16.0000	1835173.3750	1
L3	32.0000	1432642.7500	1
FID C1-C6		1.0000	

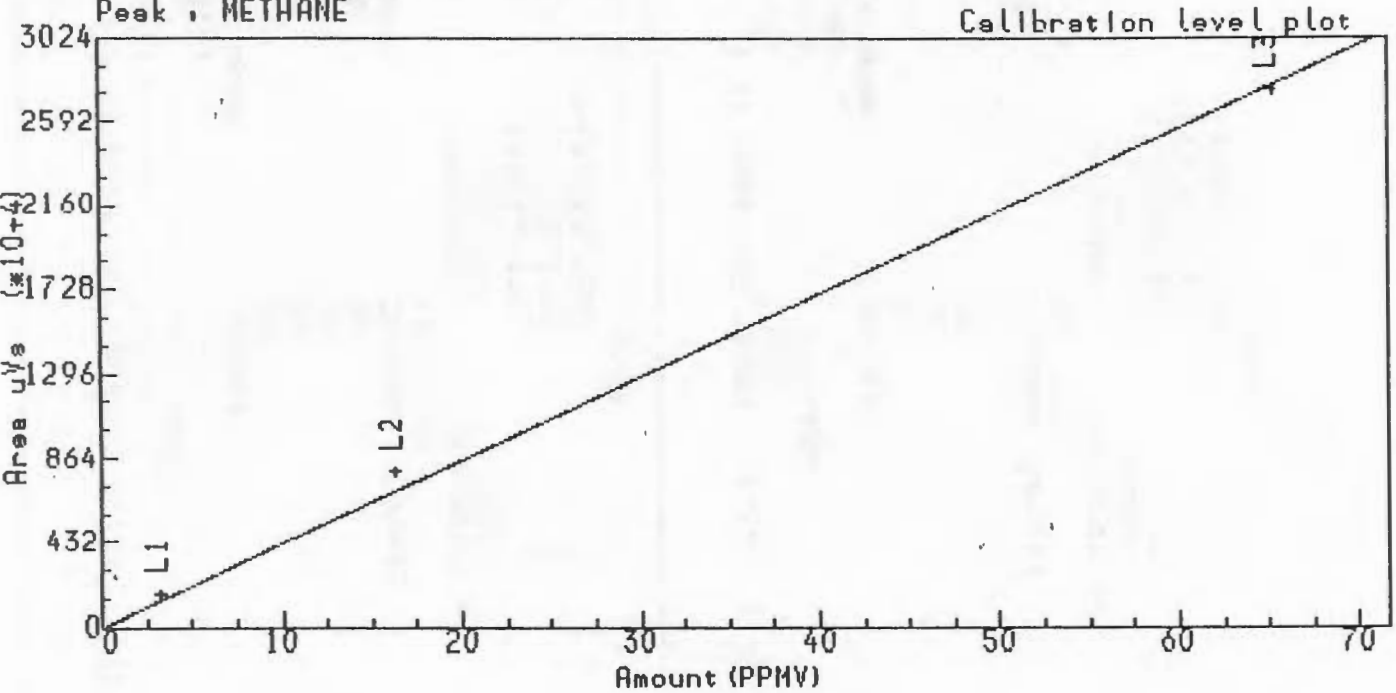
Peak name : **HEPTANE**
Expected retention time : 4.71 mins (RT range : 4.21 - 5.21 mins)

Peak window mode	Local
Local window	1.00 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	1971788.6250	1
L2	16.0000	1574728.2500	1
L3	32.0000	1618043.3750	1
FID C1-C6		1.0000	

nchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : METHANE



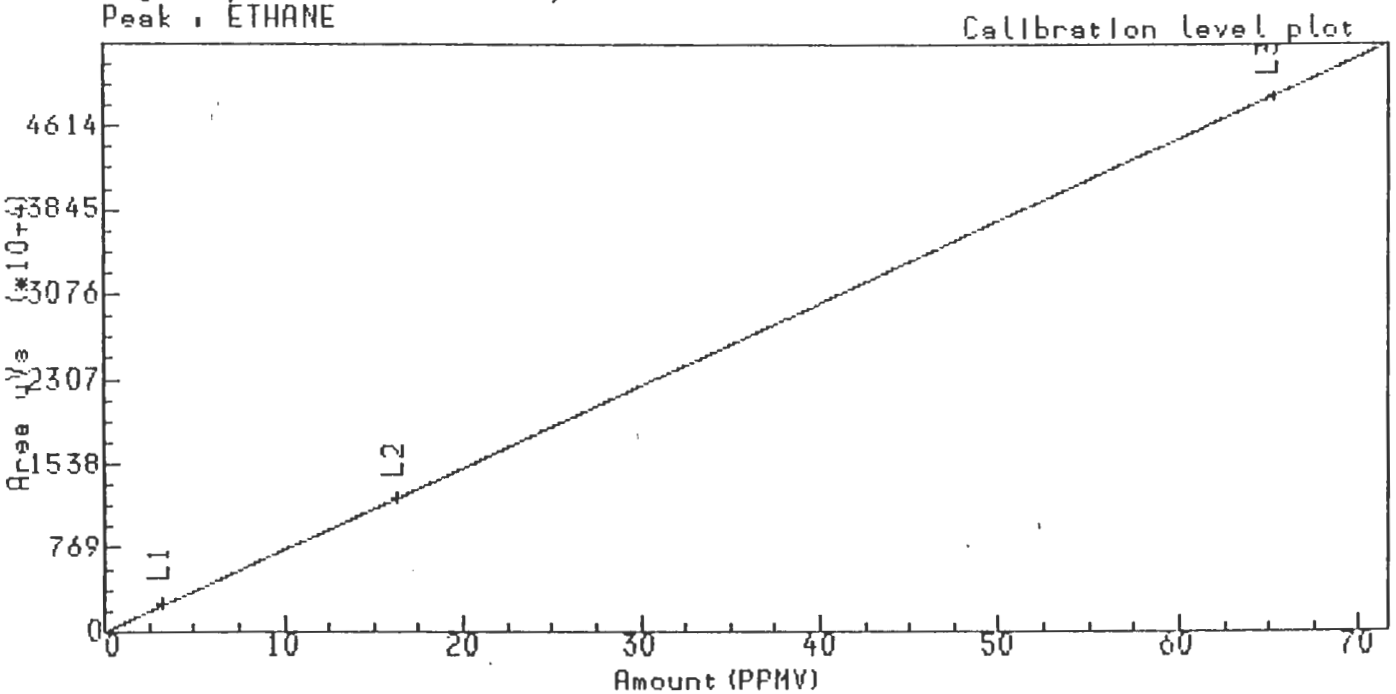
Constant : 0.00000
1st degree : 4.25661E+5

Curve fit : Linear thro' zero
Coeff of determination : 0.99765
Standard error : 7.49498E+5

Reported on 15-JAN-1997 at 12:38

Inchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : ETHANE

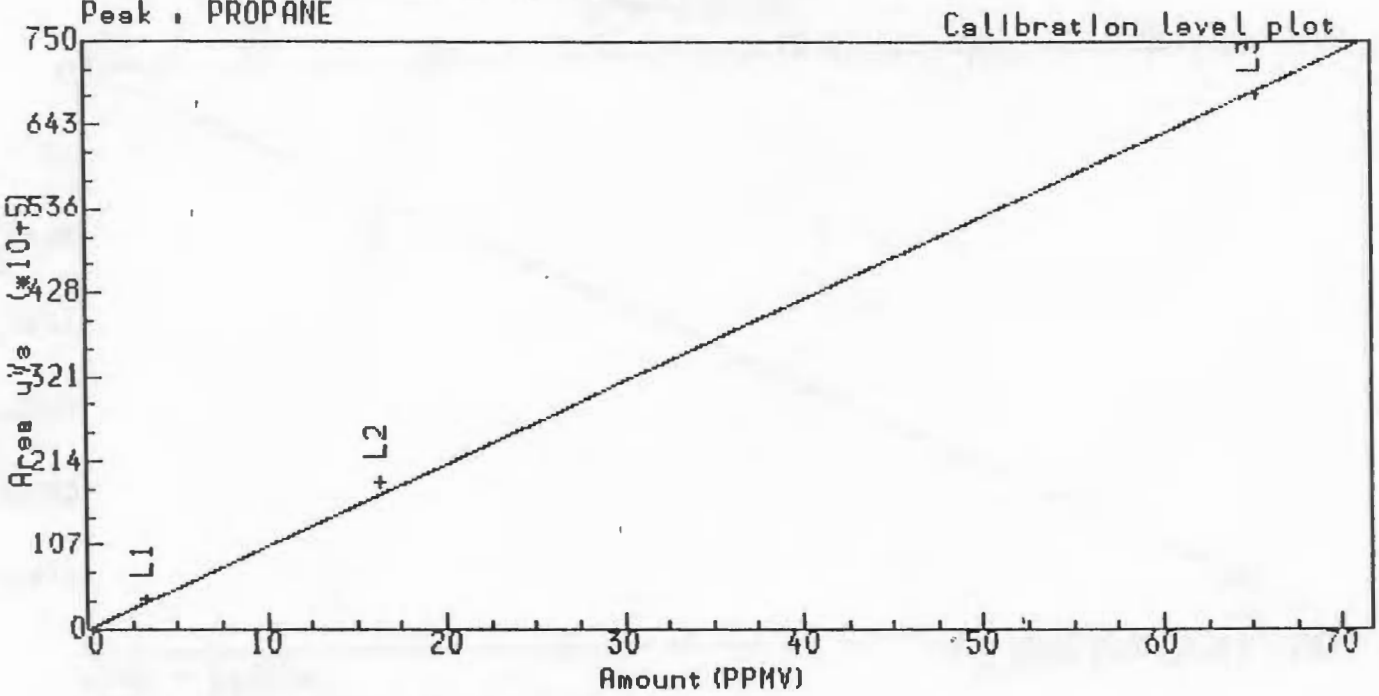


Constant	: 0.00000	Curve fit	: Linear thro' zero
1st degree	: 7.50592E+5	Coeff of determination	: 0.99996
		Standard error	: 1.79020E+5

Reported on 15-JAN-1997 at 12:38

Inchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : PROPANE

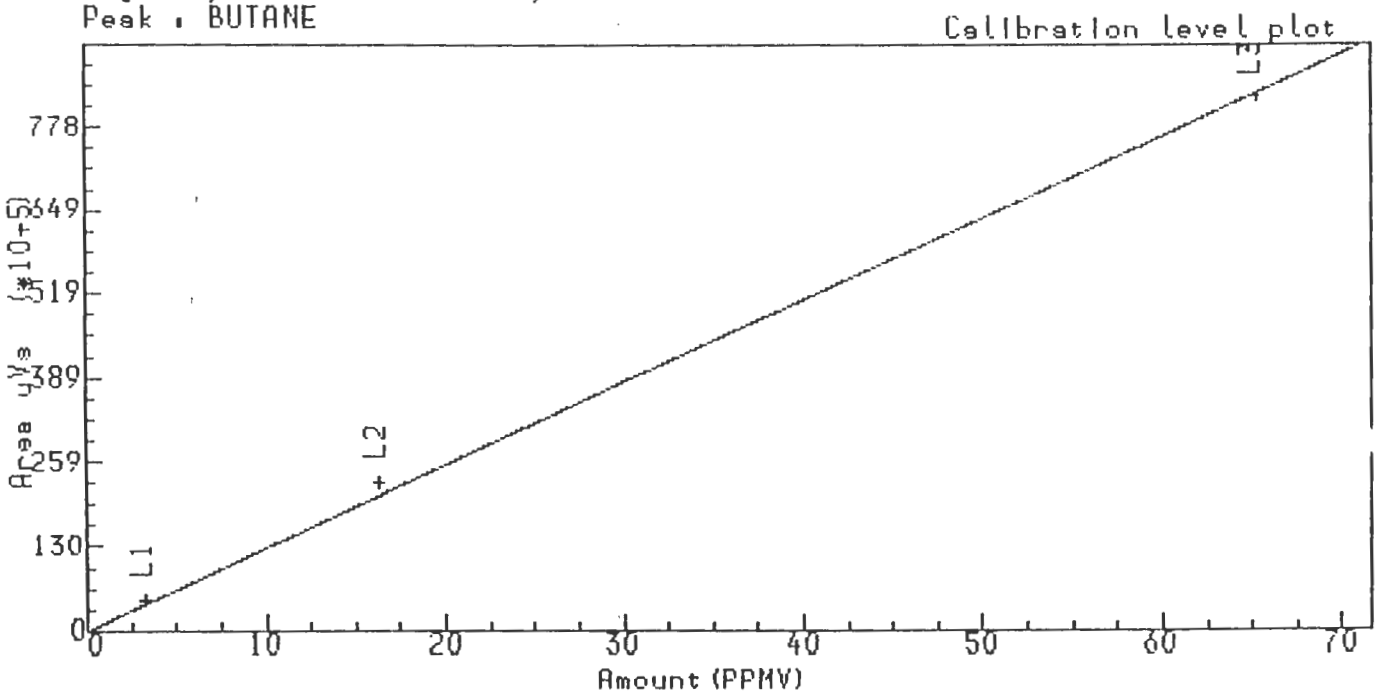


Constant	: 0.00000	Curve fit	: Linear thro' zero
1st degree	: 1.05231E+6	Coeff of determination	: 0.99884
		Standard error	: 1.30665E+6

Reported on 15-JAN-1997 at 12:38

Inchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : BUTANE

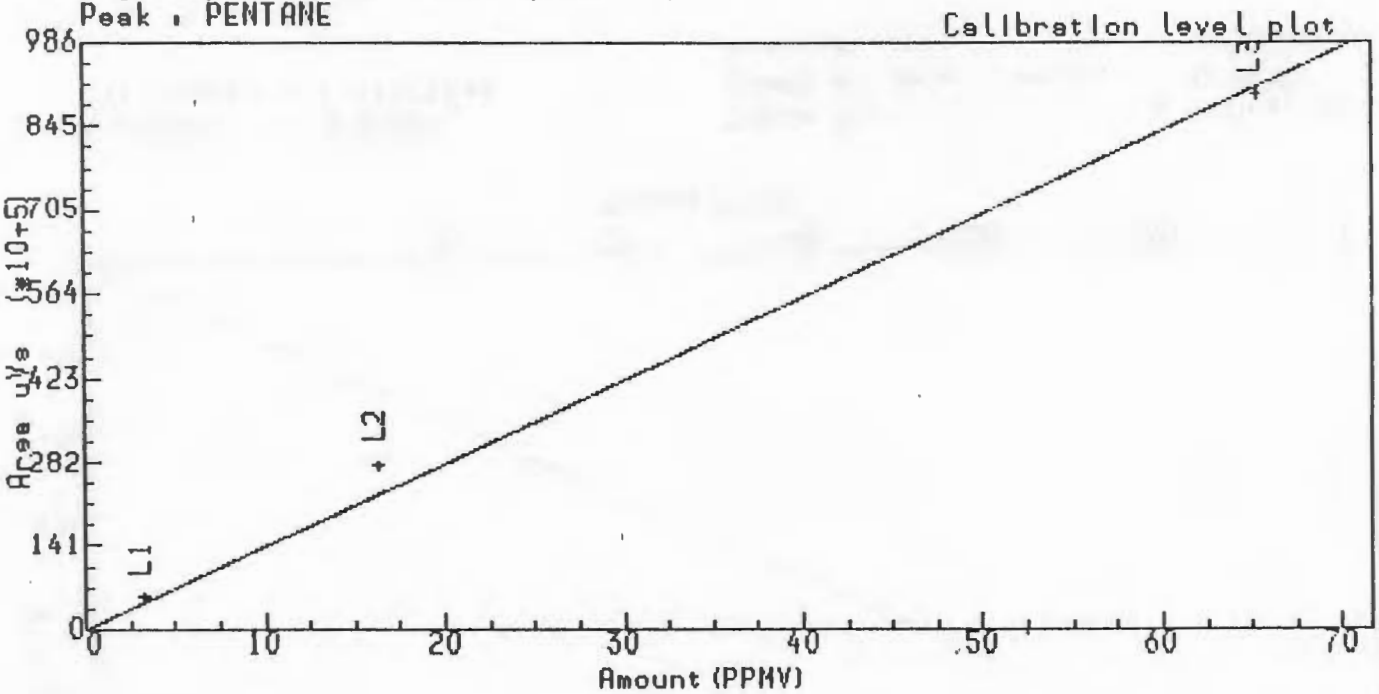


Constant	: 0.00000	Curve fit	: Linear thro' zero
1st degree	: 1.27401E+6	Coeff of determination	: 0.99888
		Standard error	: 1.55338E+6

Reported on 15-JAN-1997 at 12.39

Inchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : PENTANE



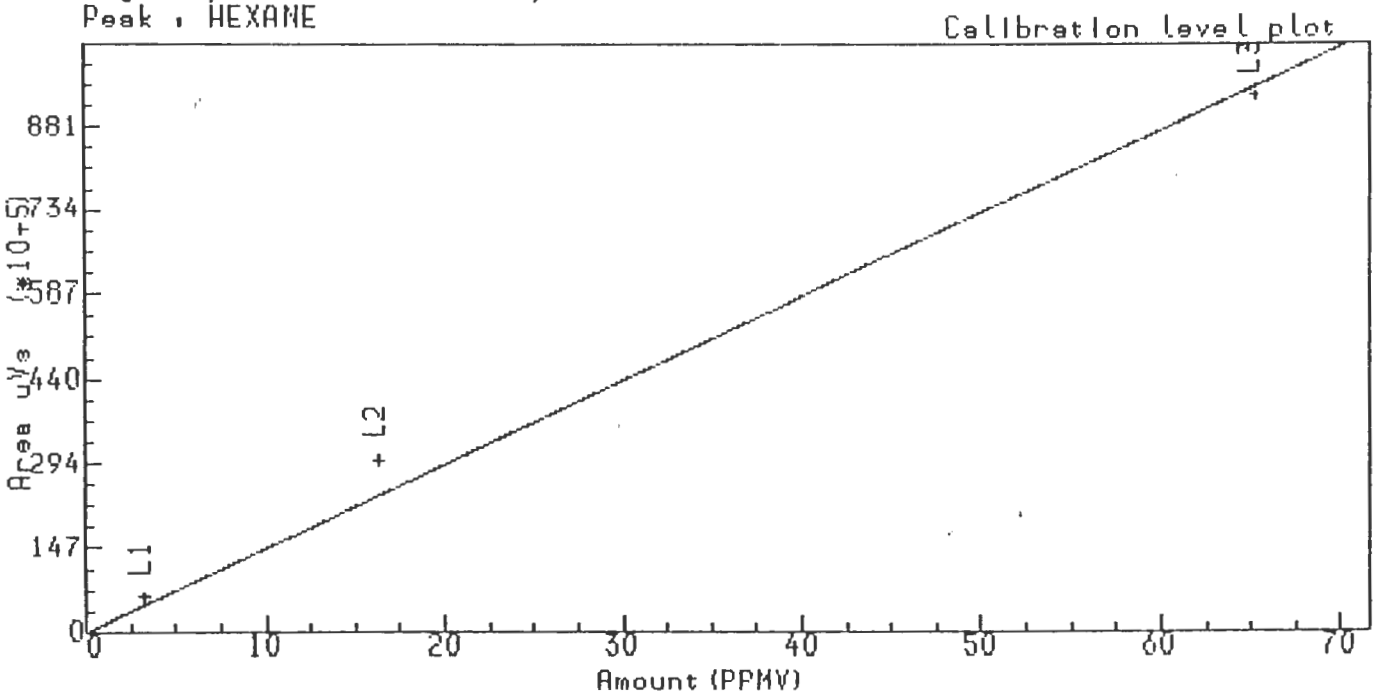
Constant : 0.00000
1st degree : 1.39502E+6

Curve fit : Linear thro' zero
Coeff of determination : 0.99478
Standard error : 3.63774E+6

Reported on 15-JAN-1997 at 12:39

Enchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : HEXANE

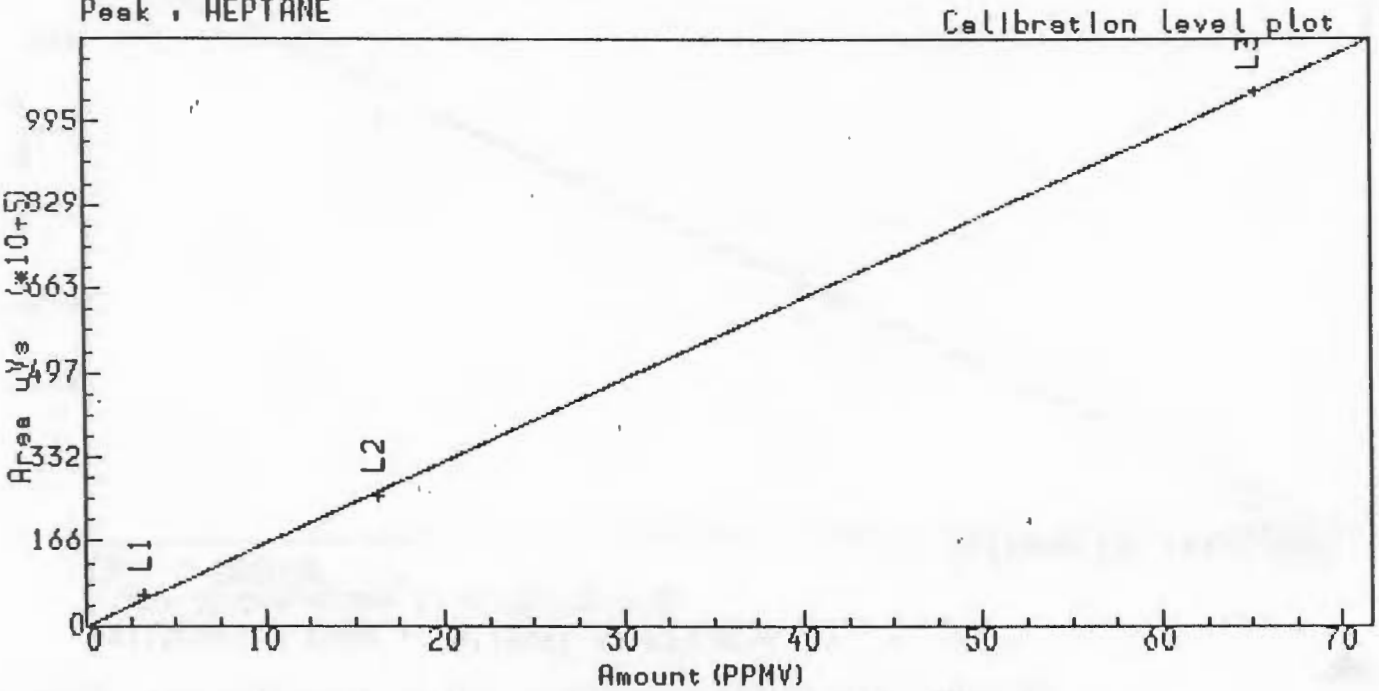


Constant	: 0.00000	Curve fit	: Linear thro' zero
1st degree	: 1.45736E+6	Coeff of determination	: 0.99220
		Standard error	: 4.61839E+6

Reported on 15-JAN-1997 at 12:39

nchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : HEPTANE



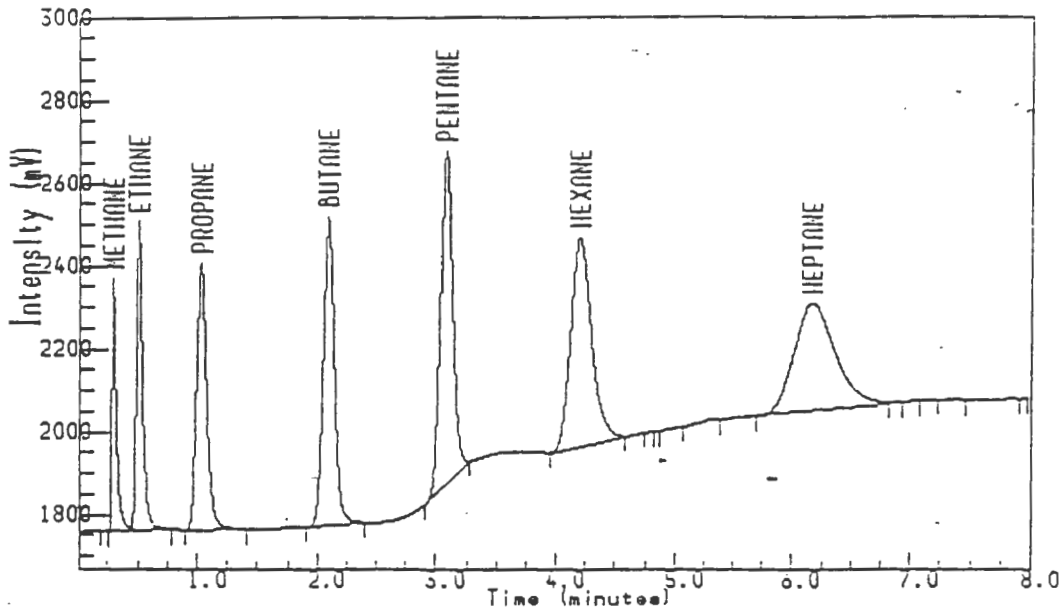
Constant : 0.00000
1st degree : 1.61630E+6

Curve fit : Linear thro' zero
Coeff of determination : 0.99975
Standard error : 9.39718E+5

Reported on 15-JAN-1997 at 12:39

Injection Report

Acquired on 15-JUL-1996 at 12:17



Batchcape Testing Services - Dallas

Operator Name : LWU/GD
Run Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 3.20 PPM SCOTT MIX 243
Sample Id :
Sample Type : Standard Amount=1.00000
Bottle No : 4

PEAK INFORMATION

mins RT	Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.297	0.300	1658929	4.08	METHANE	406600.9688	0.0000
0.510	0.460	2654407	3.40	ETHANE	779827.4375	0.0000
1.032	0.960	3784755	3.46	PROPANE	1093280.0000	0.0000
2.097	2.000	4949242	4.17	BUTANE	1188272.6250	0.0000
3.079	2.930	5410798	4.04	PENTANE	1338474.3750	0.0000
4.197	3.970	6125264	3.82	HEXANE	1605122.0000	0.0000
6.166	6.173	6309724	3.68	HEPTANE	1713622.1250	0.0000

Totals

Unknowns	94379	N/A
Identified	30893120	26.65

tal 30987498 26.65

MISSING PEAKS

No missing peaks.

ANALYSIS SUMMARY

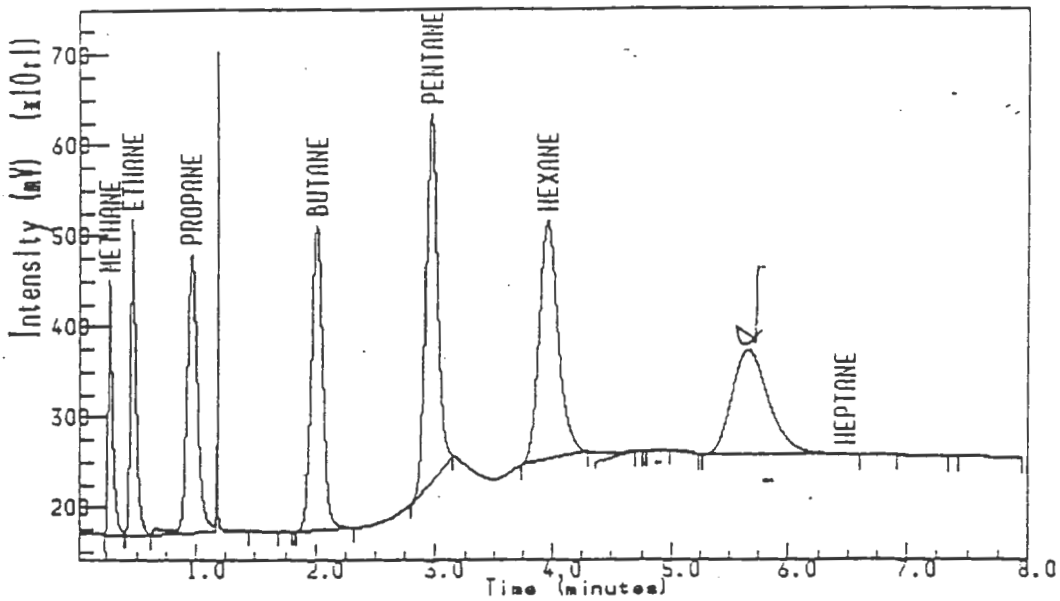
Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID0715
External standard calibration using area
Calibration last modified on 15-JUL-1996 at 13:42

Uncalibrated peaks use user factor (0.0000)

[071596] 41 C1-C6071596,2,1
Reported on 15-JUL-1996 at 14:12
Modified on 15-JUL-1996 at 13:42

Injection Report

Acquired on 15-JUL-1996 at 09:40



Inchcape Testing Services - Dallas

Analyst Name : LWU/GD
Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 16.0 PPM SCOTT MIX 243
Sample Id :
Sample Type : Standard Amount=1.00000
Bottle No : 4

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.266	0.300	7776107	19.12	METHANE	406600.9688	0.0000
0.463	0.460	12019701	15.41	ETHANE	779827.4375	0.0000
0.966	0.960	18546342	16.96	PROPANE	1093280.0000	0.0000
2.010	2.000	22293810	18.76	BUTANE	1188272.6250	0.0000
2.961	2.930	27124858	20.27	PENTANE	1338474.3750	0.0000
3.954	3.970	29362774	18.29	HEXANE	1605122.0000	0.0000

Totals

Unknowns	27116832	N/A
Quantified	117123600	108.82
Grand Total	144240432	108.82

MISSING PEAKS

No missing peaks.

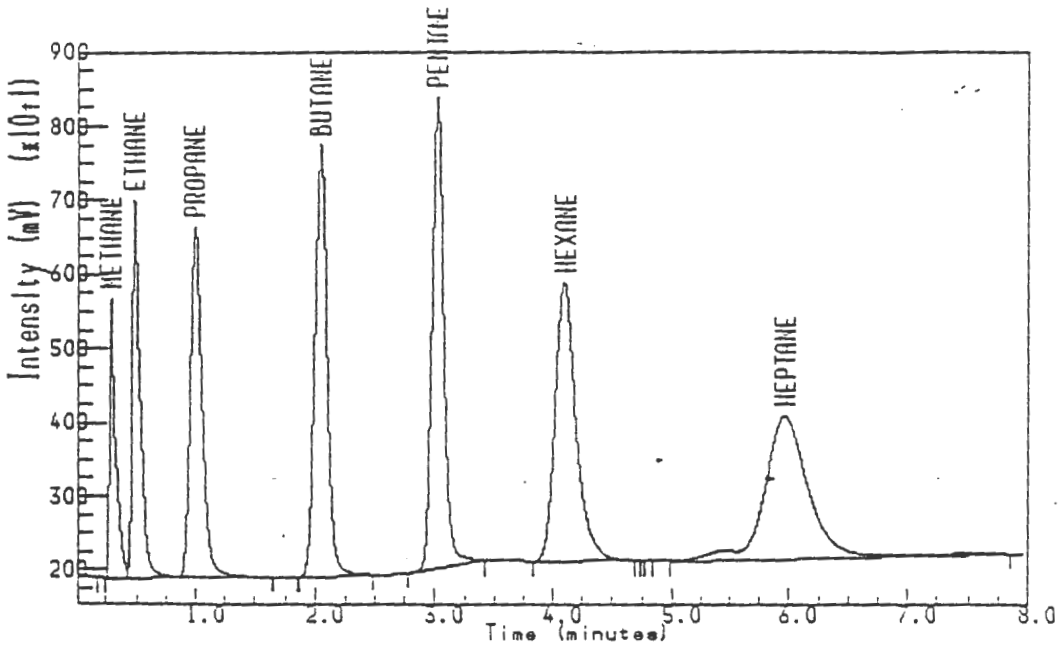
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID0715
External standard calibration using area
Calibration last modified on 15-JUL-1996 at 13:42

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JUL-1996 at 12:34



Inchcape Testing Services - Dallas

Analyst Name : LWU/GD
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 32.0 PPM SCOTT MIX 243
Sample Id :
Sample Type : Standard Amount=1.00000
Bottle No : 4

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.286	0.300	13493299	33.19	METHANE	406600.9688	0.0000
0.483	0.460	24011580	30.79	ETHANE	779827.4375	0.0000
0.997	0.960	33450130	30.60	PROPANE	1093280.0000	0.0000
2.046	2.000	40508576	34.09	BUTANE	1188272.6250	0.0000
3.021	2.930	44017372	32.89	PENTANE	1338474.3750	0.0000
4.097	3.970	45844568	28.56	HEXANE	1605122.0000	0.0000
5.959	6.173	51777388	30.22	HEPTANE	1713622.1250	0.0000

Totals

Unknowns	214509	N/A
Identified	253102928	220.33

Scan cal 253317440 220.33

MISSING PEAKS

No missing peaks.

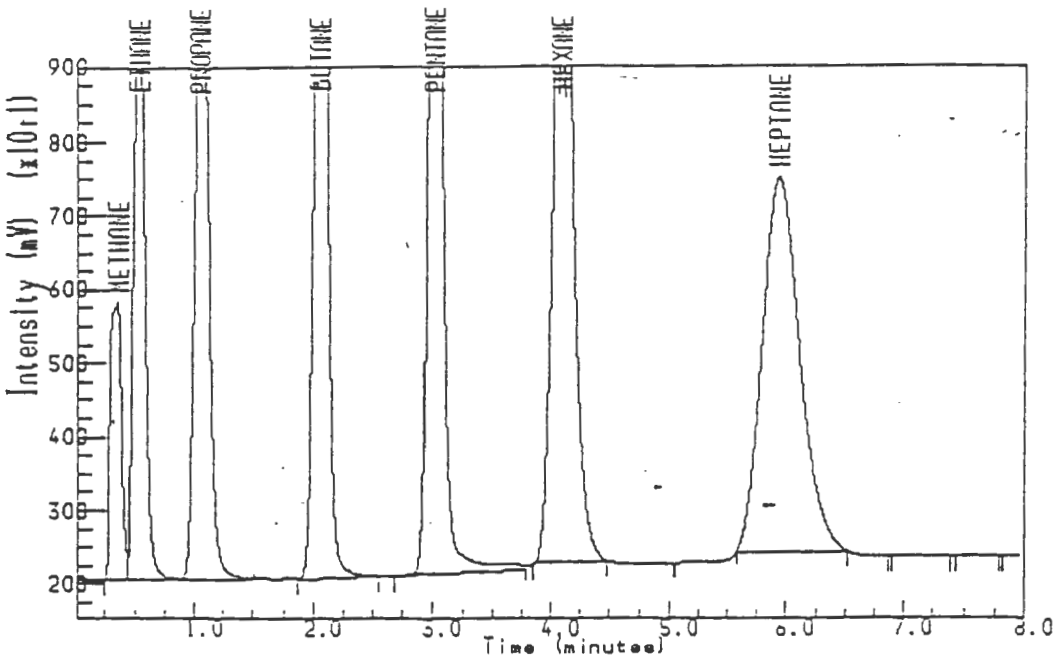
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID0715
External standard calibration using area
Calibration last modified on 15-JUL-1996 at 13:42

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JUL-1996 at 12:47



Inchcape Testing Services - Dallas

System Name : LWU/GD
Rims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 64 PPM SCOTT MIX 243
Sample Id :
Sample Type : Standard Amount=1.00000
Bottle No : 4

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.359	0.300	25445914	62.58	METHANE	406600.9688	0.0000
0.543	0.460	50486844	64.74	ETHANE	779827.4375	0.0000
1.063	0.960	70459560	64.45	PROPANE	1093280.0000	0.0000
2.061	2.000	73929824	62.22	BUTANE	1188272.6250	0.0000
3.014	2.930	83585568	62.45	PENTANE	1338474.3750	0.0000
4.088	3.970	104517824	65.12	HEXANE	1605122.0000	0.0000
5.932	6.173	111715344	65.19	HEPTANE	1713622.1250	0.0000

Totals

Unknowns	45193	N/A
Quantified	520140896	446.74
Grand Total	520186080	446.74

MISSING PEAKS

No missing peaks.

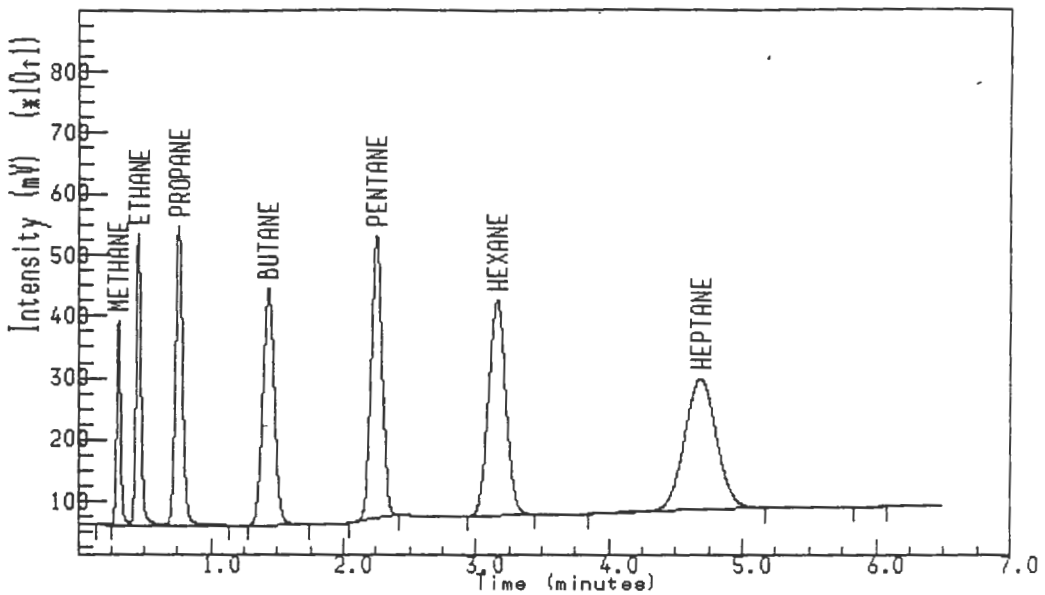
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID0715
External standard calibration using area
Calibration last modified on 15-JUL-1996 at 16:39

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JAN-1997 at 14:25



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 16.0 PPM SCOTT MIX 243 /CCC
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 4

0115 97 GS

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.312	0.360	7148267	16.79	METHANE	425660.6563	0.0000
0.461	0.470	12574023	16.75	ETHANE	750591.9375	0.0000
0.763	0.837	18250632	17.34	PROPANE	1052308.1250	0.0000
1.434	1.453	23256952	18.25	BUTANE	1274009.2500	0.0000
2.252	2.315	26597912	19.07	PENTANE	1395023.1250	0.0000
3.159	3.319	31678548	21.74	HEXANE	1457356.6250	0.0000
4.683	4.788	35934452	22.23	HEPTANE	1616301.3750	0.0000

diff C
4.93 C
4.69 C

Totals

Unknowns	34676	N/A
Quantified	155440800	132.18

Grand Total	155475472	132.18

MISSING PEAKS

No missing peaks.

ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 12:37

Uncalibrated peaks use user factor (0.0000)

PREPARATION AND ANALYSIS LOGS

GC/MS AIR SUMMARY LOG

DATE: 071596
ANALYST: SS/GD
INST. ID.: GC/FID ~~HP~~ Varian 3600
BATCH(S):
METHOD(S): 071596-1
MATRIX: GC/FID
SUBLIST(S): ~~AIR~~
BAROMETER:

STANDARDS
TO-14
TO-1/2
GAS/TPH
OTHER

DATA FILE	ALS #	SAMPLE ID	SAMPLE DESCRIPTION	CAN #	IP (PSI)	FP (PSI)	CAN DF.	INJ VOL (ml)	DF
>071596-1		STD	Calibration ~~10ppm~~ 3.2 ppm ~~Scott 243~~ Scott Mix 243	✓	—	—	—	0.1	1
>071596-2		STD	16.0 ppm Scott Mix 243	—	—	—	—	0.5	1
>071596-3		STD	32.0 ppm Scott Mix 243	✓	—	—	✓	1.0	1
>071596-4		std	64.0 ppm Scott Mix 243	✓	✓	✓	✓	2.0	1
> -5		STD	0.5ml = 16ppm	—		—	—	0.5	1
> -6		STD	~~0.5ml 16ppm~~ 32 ppm 7-13-96 SS Scott Mix 243	—	—	—	—	1.0	1
> -7		STD	16.0 ppm ~~Scott Mix 243~~ 7-15-96 SS Scott Mix 243	✓	—	—	—	0.5	1
> -8		7494-3						0.5	1
> -9		STD	0.5 ml = 16.0ppm	—	—	—	—	0.5	1
> -10		STD	3.2ppm	—	—	—	—	0.1	1
> -11		STD	32 ppm Scott Mix 243 ~~64.0 ppm~~ 7-13-96 SS Scott Mix 243	✓	—	—	—	1.0	1
> -12		STD	64ppm	✓	—	—	—	2.0	1
> -13		BLK	7-13-96 SS ~~Blank~~ Argon	—	—	—	—	0.5	1
-14		~~LCS~~ BLK ~~7494-3~~ 7-13-96 GC	Argon	—	—	—	—	0.5	1

NOTES

GC/MS AIR SUMMARY LOG

DATE: 011597
ANALYST: "
INST. ID.: GC/7ID
BATCH(S): F011597-1
METHOD(S): Headspace / RSK175
MATRIX: Headspace
TARGET LIST(S):
BAROMETER:

STANDARDS
TO-14
TO-1/2
GAS/TPH
OTHER

DATA FILE	ALS #	SAMPLE ID	SAMPLE DESCRIPTION	CAN #	IP (PSI)	FP (PSI)	CAN DF.	INJ VOL mL	DF	
> 011597-1		STD	Scott Mix #43					0.5	1.0	
> -2		STD	↓					0.5	1.0	
> -3		BLK	Air Gas					0.5	1.0	
> -4		LCS	Scott Mix #43					0.5	1.0	
> -5		LCSD	↓					0.5	1.0	
> -6		533-1	ITS / Emulation 323709	Headspace		30 mL Hw		0.5	1.0	
> -7		533-4	323735			↓		0.5	1.0	
> -8		533-2	323731					0.5	1.0	
> -9		533-3	323733					0.5	1.0	
> -10		533-5	323737					0.5	1.0	
> -11		533-6	323792					0.5	1.0	
> -12		533-7	323796					0.5	1.0	RR
> -13		533-8	323794			↓		0.5	1.0	
> -14		-9	323799			↓		0.5	1.0	RR

COMMENTS

GC/MS AIR SUMMARY LOG

E: cont 011597
LYST:
ST. ID.:
TCH(S):
HOD(S):
RIX:
BLIST(S):
OMETER:

STANDARDS

TO-14
TO-1/2
GAS/TPH -
OTHER

DATA FILE	ALS #	SAMPLE ID	SAMPLE DESCRIPTION	CAN #	IP (PSI)	FP (PSI)	CAN DF.	INJ VOL mL	DF
1597-15		534-1	ITS / Burlington 323726	Headspace / Burlington				0.5	1.0
-16		533-8	323796		↓			~~0.005~~ 0.050	10
-17		533-8	↓		↓			0.010	50
-18		533-9	323799		↓			0.010	50
-19		528-1	Navy public center 70098-02		↓			0.01	50
-20		-1	70098-02					0.10	5.0
-21		-1	70098-02					0.5	1.0
-22		-2	70098-03					0.5	1.0
-23		-3	70098-04					0.5	1.0
-24		-3	70098-04					0.1	5.0
-25		-4	70098-05		↓			0.5	1.0
-26		-5	70098-06					0.5	1.0
-27		-6	70098-07		↓			0.5	1.0

011597 ss

MENTS

1. Sample Delivery Group No. 63471

SAMPLE DATA SUMMARY PACKAGE
LAB CODE: INCHVT
CONTRACT NO.: 93206
CASE NO.: 93206
SDG NO.: 603471

Inchcape Testing Services

ITS Environmental Laboratories

55 South Park Drive
Colchester, VT 05446
Tel. 802-655-1203
Fax. 802-655-1248

February 14, 1997

Mr. Mike Duchesneau
Parsons Engineering Science
Prudential Center
Boston, MA 02199

Re: Laboratory Project No. 93206
Case No.93206; SDG 63471

Dear Mr. Duchesneau:

Enclosed are the analytical results of samples received intact by ITS Environmental Laboratories on January 11 and 13, 1997. Laboratory numbers and quality control samples have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 01/11/97 ETR No: 63471		
323728	AL059	01/10/97	Water
323729	AL058	01/10/97	Water
323730	AL058F	01/10/97	Filtrate
323730R1	AL058F	01/10/97	Filtrate
323730R2	AL058F	01/10/97	Filtrate
323730R3	AL058F	01/10/97	Filtrate
323731	AL060	01/10/97	Water
323731MS	AL060MS	01/10/97	Water
323731MD	AL060MSD	01/10/97	Water
323732	AL060F	01/10/97	Filtrate
323732R1	AL060F	01/10/97	Filtrate
323732R2	AL060F	01/10/97	Filtrate
323732R3	AL060F	01/10/97	Filtrate
323733	AL061	01/10/97	Water
323734	AL061F	01/10/97	Filtrate

001

Lab ID	Client Sample ID	Sample Date	Sample Matrix
Received: 01/11/97 ETR No: 63471 (continued)			
323734R1	AL061F	01/10/97	Filtrate
323734R2	AL061F	01/10/97	Filtrate
323734R3	AL061F	01/10/97	Filtrate
323735	AL063	01/10/97	Water
323736	AL063F	01/10/97	Filtrate
323736R1	AL063F	01/10/97	Filtrate
323736R2	AL063F	01/10/97	Filtrate
323736R3	AL063F	01/10/97	Filtrate
323737	AL064	01/10/97	Water
323738	AL064F	01/10/97	Filtrate
323738R1	AL064F	01/10/97	Filtrate
323738R2	AL064F	01/10/97	Filtrate
323738R3	AL064F	01/10/97	Filtrate
323739	MSB		Liquid
323740	HB	01/13/97	Water
Received 01/13/97 ETR No.: 63478			
323791	AL065	01/11/97	Water
323792	AL066	01/11/97	Water
323793	AL066F	01/11/97	Filtrate
323794	AL067	01/11/97	Water
323795	AL067F	01/11/97	Filtrate
323796	AL068	01/11/97	Water
323797	AL068F	01/11/97	Filtrate
323798	AL069	01/11/97	Water
323799	AL070	01/11/97	Water
323800	AL070F	01/11/97	Filtrate
323793R1	AL066F	01/11/97	Filtrate
323793R2	AL066F	01/11/97	Filtrate
323793R3	AL066F	01/11/97	Filtrate
323795R1	AL067F	01/11/97	Filtrate
323795R2	AL067F	01/11/97	Filtrate
323795R3	AL067F	01/11/97	Filtrate
323797R1	AL068F	01/11/97	Filtrate
323797R2	AL068F	01/11/97	Filtrate
323797R3	AL068F	01/11/97	Filtrate
323800R1	AL070F	01/11/97	Filtrate

Lab ID	Client Sample ID	Sample Date	Sample Matrix
Received 01/13/97 ETR No.: 63478 (continued)			
323800R2	AL070F	01/11/97	Filtrate
323800R3	AL070F	01/11/97	Filtrate

The Nitrate/Nitrite analysis for sample AL066 was analyzed 3 days outside of the holding time. This was due to instrument failure.

For the benefit of interested parties, documentation of sample handling and preparation is included at the end of the "Sample Data Package." Colored sheets of paper entitled "Sample Preparation" and "Sample Handling" have been used to explicitly mark the location of these documents.

If there are any questions regarding this submittal, please contact Christopher A. Ouellette at (802) 655-1203.

Sincerely,

Karen R. Chirgwin
Laboratory Operations Director

KRC/bss

Enclosure

002A

ITS Environmental
Laboratories

55 South Park Drive
Colchester, VT 05446

Analytical Report

Parsons Engineering Science
Prudential Center
Boston, MA 02199

Attention : Mike Duchesneau

Date : 02/12/97
ETR Number : 63471
Project No.: 93206
No. Samples: 30
Arrived : 01/11/97
P.O. Number: 730769000003

Case:93206 SDG:63471

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323729	AL058:01/10/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	<0.01
310.1	Alkalinity (as CaCO3)	26
300.0	Chloride	0.2
300.0	Sulfate	<0.1
323730	AL058F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	0.9
323730R1	AL058F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	0.8
323730R2	AL058F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	0.8
323730R3	AL058F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	0.7
323731	AL060:01/10/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	1.3
310.1	Alkalinity (as CaCO3)	332
300.0	Chloride	29.4
300.0	Sulfate	118
323732	AL060F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.6
323732R1	AL060F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.6

< Cont. Next Page >

ITS Environmental Laboratories

55 South Park Drive
Colchester, VT 05446

Analytical Report

Parsons Engineering Science
Prudential Center
Boston, MA 02199

Attention : Mike Duchesneau

Date : 02/12/97
ETR Number : 63471
Project No.: 93206
No. Samples: 30
Arrived : 01/11/97
P.O. Number: 730769000003

Case:93206 SDG:63471

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323732R2	AL060F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.5
323732R3	AL060F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.5
323733	AL061:01/10/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	1.2
310.1	Alkalinity (as CaCO3)	312
300.0	Chloride	27.8
300.0	Sulfate	119
323734	AL061F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.5
323734R1	AL061F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.5
323734R2	AL061F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.6
323734R3	AL061F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.6
323735	AL063:01/10/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	1.7
310.1	Alkalinity (as CaCO3)	342
300.0	Chloride	27.6
300.0	Sulfate	117

< Cont. Next Page >

ITS Environmental
Laboratories

55 South Park Drive
Colchester, VT 05446

Analytical Report

Parsons Engineering Science
Prudential Center
Boston, MA 02199

Attention : Mike Duchesneau

Date : 02/12/97
ETR Number : 63471
Project No.: 93206
No. Samples: 30
Arrived : 01/11/97
P.O. Number: 730769000003

Case:93206 SDG:63471

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323736	AL063F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.9
323736R1	AL063F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.9
323736R2	AL063F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.6
323736R3	AL063F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.6
323737	AL064:01/10/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	0.01
310.1	Alkalinity (as CaCO3)	346
300.0	Chloride	22.0
300.0	Sulfate	77.4
323738	AL064F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	2.2
323738R1	AL064F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	2.2
323738R2	AL064F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.9
323738R3	AL064F:01/10/97 (Filtrate)	
9060	Total Organic Carbon	1.8

< Last Page > Submitted By : Aquatec Inc.

ITS Environmental
Laboratories

55 South Park Drive
Colchester, VT 05446

Analytical Report

Parsons Engineering Science
Prudential Center
Boston, MA 02199

Attention : Mike Duchesneau

Date : 02/12/97
ETR Number : 63478
Project No.: 93206
No. Samples: 22
Arrived : 01/13/97
P.O. Number: 730769000003

Case:93206 SDG:63471

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323792	AL066:01/11/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	0.61
310.1	Alkalinity (as CaCO3)	314
300.0	Chloride	119
300.0	Sulfate	203
323793	AL066F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	1.8
323794	AL067:01/11/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	0.12
310.1	Alkalinity (as CaCO3)	396
300.0	Chloride	116
300.0	Sulfate	427
323795	AL067F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	2.5
323796	AL068:01/11/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	<0.01
310.1	Alkalinity (as CaCO3)	248
300.0	Chloride	253
300.0	Sulfate	426
323797	AL068F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	6.5
323799	AL070:01/11/97 (Water)	
353.2	Nitrate/Nitrite Nitrogen	<0.01
310.1	Alkalinity (as CaCO3)	532

< Cont. Next Page >

ITS Environmental
Laboratories

55 South Park Drive
Colchester, VT 05446

Analytical Report

Parsons Engineering Science
Prudential Center
Boston, MA 02199

Attention : Mike Duchesneau

Date : 02/12/97
ETR Number : 63478
Project No.: 93206
No. Samples: 22
Arrived : 01/13/97
P.O. Number: 730769000003

Case:93206 SDG:63471

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323799	AL070:01/11/97 (Water)	
300.0	Chloride	25.9
300.0	Sulfate	191
323800	AL070F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	5.0
323793R1	AL066F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	1.8
323793R2	AL066F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	2.1
323793R3	AL066F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	2.0
323795R1	AL067F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	2.5
323795R2	AL067F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	2.2
323795R3	AL067F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	2.2
323797R1	AL068F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	6.6

< Cont. Next Page >

ITS Environmental
Laboratories

55 South Park Drive
Colchester, VT 05446

Analytical Report

Parsons Engineering Science
Prudential Center
Boston, MA 02199

Attention : Mike Duchesneau

Date : 02/12/97
ETR Number : 63478
Project No.: 93206
No. Samples: 22
Arrived : 01/13/97
P.O. Number: 730769000003

Case:93206 SDG:63471

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
323797R2	AL068F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	6.7
323797R3	AL068F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	6.9
323800R1	AL070F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	5.0
323800R2	AL070F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	5.7
323800R3	AL070F:01/11/97 (Filtrate)	
9060	Total Organic Carbon	5.7

< Last Page > Submitted By : Aquatec Inc.

Quality Control Summary

Project No: 93206
SDG No: 63471
Units: mg/L

Parameter	Date Analyzed	Method Preparation Blank	Laboratory Control Sample		
			Reported Value	True Value	Percent Recovery
Alkalinity (as CaCO3)	01/16/97	< 1	250	237	105.5
Alkalinity (as CaCO3)	01/17/97	< 1	248	237	104.6
Chloride by IC	01/23/97	< 0.1	5.05	5.00	101.0
Chloride by IC	01/29/97	< 0.1	4.87	5.00	97.4
Nitrate/Nitrite-Nitrogen	02/11/97	< 0.01	8.44	9.33	90.5
Nitrate/Nitrite-Nitrogen	02/11/97	< 0.01	8.40	9.33	90.0
Sulfate by IC	01/23/97	< 0.1	9.93	10.00	99.3
Sulfate by IC	01/29/97	< 0.1	9.87	10.00	98.7
Sulfate by IC	01/29/97	< 0.1	9.67	10.00	96.7
Total Organic Carbon	01/30/97	< 0.5	57.8	58.4	99.0
Total Organic Carbon	02/04/97	< 0.5	57.5	58.4	98.5

Reviewed By: SMW
Date: 2/12/97

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

b Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

-b Code: INCHVT Case No.: 93206 SAS No.: _____ SDG No.:63471_

OW No.: ILM02.1

EPA Sample No.	Lab Sample ID
_AL058_____	_323729_____
_AL063_____	_323735_____
_AL068_____	_323796_____
_AL069_____	_323798_____
_AL070_____	_323799_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
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_____	_____
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_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Were ICP interelement corrections applied ? Yes/No YES

ere ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

mments:

_____

_____

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_____

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

ignature: _____ Name: _____

Date: _____ Title: _____

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

AL058

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

Matrix (soil/water): WATER Lab Sample ID: 323729

Level (low/med): LOW__ Date Received: 01/11/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	0.30	U		P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	1.0	U		P_
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	2.2	U		P_
7439-95-4	Magnesium				NR
7439-96-5	Manganese	0.30	U		P_
7439-97-6	Mercury__				NR
7440-02-0	Nickel___	2.4	B		P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
_____	Cyanide__				NR
_____	_____				__

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

AL063

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

Matrix (soil/water): WATER Lab Sample ID: 323735

Level (low/med): LOW__ Date Received: 01/11/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	0.30	U		P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	1.0	U		P_
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	2.2	U		P_
7439-95-4	Magnesium				NR
7439-96-5	Manganese	4.6	B		P_
7439-97-6	Mercury__				NR
7440-02-0	Nickel___	2.1	U		P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
_____	Cyanide__				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

AL068

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

Matrix (soil/water): WATER Lab Sample ID: 323796

Level (low/med): LOW__ Date Received: 01/13/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		_		NR
7440-36-0	Antimony_		_		NR
7440-38-2	Arsenic__		_		NR
7440-39-3	Barium___		_		NR
7440-41-7	Beryllium		_		NR
7440-43-9	Cadmium__	0.30	U		P_
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_	1.0	U		P_
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___		_		NR
7439-89-6	Iron_____		_		NR
7439-92-1	Lead_____	2.2	U		P_
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese	626	_		P_
7439-97-6	Mercury__		_		NR
7440-02-0	Nickel___	2.5	B		P_
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_		_		NR
7440-22-4	Silver___		_		NR
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_		_		NR
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc_____		_		NR
_____	Cyanide__		_		NR
_____	_____		_		__

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

AL069

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

Matrix (soil/water): WATER Lab Sample ID: 323798

Level (low/med): LOW__ Date Received: 01/13/97

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	0.30	U		P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_	1.0	U		P_
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	2.2	U		P_
7439-95-4	Magnesium				NR
7439-96-5	Manganese	772			P_
7439-97-6	Mercury__				NR
7440-02-0	Nickel___	3.2	B		P_
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
_____	Cyanide__				NR
_____	_____				__

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

AL070

Lab Name: ITS_ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix (soil/water): WATER Lab Sample ID: 323799

Level (low/med): LOW Date Received: 01/13/97

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese	374			P
7439-97-6	Mercury				NR
7440-02-0	Nickel	6.2	B		P
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

Initial Calibration Source: VENTURES____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium	500.0	507.00	101.4	100.0	98.47	98.5	98.87	98.9	P
Calcium									NR
Chromium	500.0	510.00	102.0	200.0	198.20	99.1	198.60	99.3	P
Cobalt									NR
Copper									NR
Iron									NR
Lead	1000.0	1042.00	104.2	400.0	409.40	102.4	408.40	102.1	P
Magnesium									NR
Manganese	500.0	507.20	101.4	200.0	197.90	99.0	198.00	99.0	P
Mercury									NR
Nickel	500.0	515.90	103.2	200.0	199.30	99.6	199.80	99.9	P
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

Initial Calibration Source: VENTURES____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium				100.0	98.27	98.3	98.45	98.4	P
Calcium									NR
Chromium				200.0	197.70	98.8	198.00	99.0	P
Cobalt									NR
Copper									NR
Iron									NR
Lead				400.0	406.30	101.6	410.00	102.5	P
Magnesium									NR
Manganese				200.0	196.70	98.4	197.30	98.6	P
Mercury									NR
Nickel				200.0	197.90	99.0	200.20	100.1	P
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

Initial Calibration Source: VENTURES____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium				100.0	97.68	97.7			P
Calcium									NR
Chromium				200.0	197.10	98.6			P
Cobalt									NR
Copper									NR
Iron									NR
Lead				400.0	406.30	101.6			P
Magnesium									NR
Manganese				200.0	196.30	98.2			P
Mercury									NR
Nickel				200.0	197.50	98.8			P
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2B
CRDL STANDARD FOR AA AND ICP

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

AA CRDL Standard Source: VENTURES____

ICP CRDL Standard Source: VENTURES____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium				10.0	10.69	106.9	10.48	104.8
Calcium								
Chromium				20.0	21.60	108.0	21.72	108.6
Cobalt								
Copper								
Iron								
Lead				6.0	5.56	92.7	5.65	94.2
Magnesium								
Manganese				30.0	31.49	105.0	31.39	104.6
Mercury								
Nickel				80.0	86.09	107.6	85.79	107.2
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

3
BLANKS

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L_

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium	0.3	U	0.3	U	0.3	U	0.3	U	0.300	U	P
Calcium											NR
Chromium	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	P
Cobalt											NR
Copper											NR
Iron											NR
Lead	2.2	U	2.2	U	2.2	U	2.2	U	2.200	U	P
Magnesium											NR
Manganese	0.3	U	0.3	U	0.3	U	0.3	U	0.300	U	P
Mercury											NR
Nickel	2.1	U	2.1	U	2.1	U	2.1	U	2.100	U	P
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

3
BLANKS

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium			0.3	U	0.3	U					P
Calcium											NR
Chromium			1.0	U	1.0	U					P
Cobalt											NR
Copper											NR
Iron											NR
Lead			2.2	U	2.2	U					P
Magnesium											NR
Manganese			0.3	U	0.3	U					P
Mercury											NR
Nickel			2.1	U	2.1	U					P
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

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4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No: _____ SDG No.: 63471_

ICP ID Number: ICP4 TJA 61E ICS Source: VENTURES____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium	0	941	7	975.1	103.6	8	972.3	103.3
Calcium								
Chromium	0	489	5	489.1	100.0	4	489.8	100.2
Cobalt								
Copper								
Iron								
Lead	0	49	-4	44.7	91.2	-5	43.8	89.4
Magnesium								
Manganese	0	492	-1	490.5	99.7	-1	490.3	99.7
Mercury								
Nickel	0	947	3	956.3	101.0	3	960.0	101.4
Potassium								
Selenium								
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

7
LABORATORY CONTROL SAMPLE

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

Solid LCS Source: _____

Aqueous LCS Source: VENTURES____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium	525.0	526.00	100.2						
Calcium									
Chromium	500.0	504.20	100.8						
Cobalt									
Copper									
Iron									
Lead	1015.0	1046.00	103.1						
Magnesium									
Manganese	500.0	498.70	99.7						
Mercury									
Nickel	500.0	508.00	101.6						
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide									

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8
STANDARD ADDITION RESULTS

b Name: ITS_ENVIRONMENTAL________ Contract:93206_____

ab Code: INCHVT Case No.: 93206_ SAS No.:______ SDG No.:63471_

Concentration Units: ug/L

EPA Sample No.	An	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r	Q

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9
ICP SERIAL DILUTION

EPA SAMPLE NO.
AL058L

Lab Name: ITS_ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium	0.30	U	1.50	U			P
Calcium							NR
Chromium	1.00	U	5.00	U			P
Cobalt							NR
Copper							NR
Iron							NR
Lead	2.20	U	11.00	U			P
Magnesium							NR
Manganese	0.30	U	1.50	U			P
Mercury							NR
Nickel	2.44	B	10.50	U	100.0		P
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR

10

Instrument Detection Limits (Quarterly)

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

CRDL ID Number: ICP4_TJA_61E Date: 01/01/97

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium	226.50		5	0.3	P
Calcium			5000		NR
Chromium	267.72		10	1.0	P
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead	220.35		3	2.2	P
Magnesium			5000		NR
Manganese	257.61		15	0.3	P
Mercury			0.2		NR
Nickel	231.60		40	2.1	P
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

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11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

ICP ID Number: ICP4 TJA 61E Date: 01/01/97

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	CO_
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	-0.0000390	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000400	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0001035	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	-0.0000596	-0.0000184	0.0000823	0.0000111	-0.0048710
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	-0.0011240
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0000000	0.0000000	-0.0001999	0.0000000	-0.0000465
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	-0.0000100	0.0000000	-0.0000800	0.0000000	0.0049700
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

ICP ID Number: ICP4 TJA 61E Date: 01/01/97

Analyte	Wave-length (nm)	Interelement Correction Factors for : CR_	MN_	NI_	V__	___
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0264000	
Antimony	206.84	0.0055040	0.0000000	-0.0002668	-0.0036670	
Arsenic	189.04	-0.0029900	0.0000000	0.0000000	0.0000000	
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0011400	
Cadmium	226.50	0.0000000	0.0000000	-0.0000329	0.0000000	
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	
Chromium	267.72	0.0000000	0.0000704	0.0000000	-0.0000540	
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	
Lead	220.35	-0.0001864	0.0000279	0.0002131	-0.0006255	
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	
Mercury						
Nickel	231.60	0.0000000	-0.0001310	0.0000000	0.0000000	
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	
Selenium	196.03	0.0000000	0.0002108	0.0000000	0.0000188	
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	
Thallium	190.86	0.0003750	-0.0005820	0.0000000	0.0036030	
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	
Zinc	213.86	0.0000000	0.0000000	0.0000000	0.0000000	

Comments:

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12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.: 63471_

ICP ID Number: ICP4 TJA 61E Date: 01/01/97

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Aluminum	10.00	500000.0	P
Antimony	10.00	100000.0	P
Arsenic	10.00	20000.0	P
Barium	10.00	10000.0	P
Beryllium	10.00	10000.0	P
Cadmium	10.00	10000.0	P
Calcium	10.00	500000.0	P
Chromium	10.00	100000.0	P
Cobalt	10.00	50000.0	P
Copper	10.00	100000.0	P
Iron	10.00	500000.0	P
Lead	10.00	100000.0	P
Magnesium	10.00	500000.0	P
Manganese	10.00	10000.0	P
Mercury			NR
Nickel	10.00	50000.0	P
Potassium	10.00	100000.0	P
Selenium	10.00	4000.0	P
Silver	10.00	2000.0	P
Sodium	10.00	100000.0	P
Thallium	10.00	10000.0	P
Vanadium	10.00	100000.0	P
Zinc	10.00	4000.0	P

Comments:

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13
PREPARATION LOG

b Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

ab Code: INCHVT Case No.:_93206_ SAS No.: _____ SDG No.:63471_

thod: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
AL058	01/16/97		100
AL063	01/16/97		100
AL068	01/16/97		100
AL069	01/16/97		100
AL070	01/16/97		100
LCSW	01/16/97		100
PBW	01/16/97		100

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14
ANALYSIS RUN LOG

Lab Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

Lab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.:63471_

Instrument ID Number: ICP4 TJA 61E_ Method: P_

Start Date: 01/22/97 End Date: 01/22/97

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1600		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	_
S	1.00	1605					X	X	X		X	X	X				X	_	X			X			X	X	_
S	1.00	1609		X						X				X		X				X			X				_
S	1.00	1613			X	X									X						X			X			_
ICV	1.00	1619							X		X				X		X		X								_
ICB	1.00	1623							X		X				X		X		X								_
ICSA	1.00	1628							X		X				X		X		X								_
ICSAB	1.00	1632							X		X				X		X		X								_
CRI	1.00	1637							X		X				X		X		X								_
CCV	1.00	1641							X		X				X		X		X								_
CCB	1.00	1646							X		X				X		X		X								_
ZZZZZZ	10.00	1651																									_
ZZZZZZ	10.00	1655																									_
ZZZZZZ	10.00	1700																									_
ZZZZZZ	50.00	1704																									_
ZZZZZZ	10.00	1709																									_
ZZZZZZ	1.00	1713																									_
ZZZZZZ	1.00	1718																									_
ZZZZZZ	1.00	1722																									_
ZZZZZZ	5.00	1726																									_
ZZZZZZ	1.00	1731																									_
CCV	1.00	1735							X		X				X		X		X								_
CCB	1.00	1740							X		X				X		X		X								_
ZZZZZZ	5.00	1745																									_
ZZZZZZ	2.00	1749																									_
ZZZZZZ	10.00	1754																									_
ZZZZZZ	5.00	1758																									_
ZZZZZZ	5.00	1803																									_
ZZZZZZ	5.00	1807																									_
ZZZZZZ	5.00	1812																									_
ZZZZZZ	5.00	1816																									_
ZZZZZZ	10.00	1821																									_

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14
ANALYSIS RUN LOG

b Name: ITS_ENVIRONMENTAL_____ Contract: 93206_____

ab Code: INCHVT Case No.: 93206_ SAS No.: _____ SDG No.:63471_

strument ID Number: ICP4 TJA 61E_ Method: P_

tart Date: 01/22/97 End Date: 01/22/97

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZ	50.00	1825																									
CV	1.00	1830							X		X				X		X		X								
CCB	1.00	1834							X		X				X		X		X								
ZZZZZ	10.00	1839																									
ZZZZZ	10.00	1843																									
ZZZZZZ	10.00	1848																									
ZZZZZ	10.00	1852																									
BW	1.00	1857							X		X				X		X		X								
LCSW	1.00	1901							X		X				X		X		X								
AL058	1.00	1906							X		X				X		X		X								
L058L	5.00	1910							X		X				X		X		X								
L063	1.00	1915							X		X				X		X		X								
AL068	1.00	1919							X		X				X		X		X								
CV	1.00	1924							X		X				X		X		X								
CB	1.00	1928							X		X				X		X		X								
AL069	1.00	1933							X		X				X		X		X								
AL070	1.00	1937							X		X				X		X		X								
ZZZZZ	1.00	1942																									
ZZZZZ	1.00	1946																									
ZZZZZZ	1.00	1951																									
ZZZZZ	1.00	1955																									
ZZZZZ	1.00	2000																									
ICSA	1.00	2004							X		X				X		X		X								
ICSAB	1.00	2009							X		X				X		X		X								
RI	1.00	2013							X		X				X		X		X								
CCV	1.00	2018							X		X				X		X		X								
CCB	1.00	2023							X		X				X		X		X								

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL059

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323728

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323738V.D

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL059

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323728

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323738V.D

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL059

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323728

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M323738V.D

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKY7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: VBLKY7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLUB002BV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
1634-04-4	Methyl-t-Butyl Ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKY7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: VBLKY7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLUB002BV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
123-91-1	1,4-Dioxane	0.5	U
109-99-9	Tetrahydrofuran	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKY7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: VBLKY7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLUB002BV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0.5MLUBLCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 0.5MLUBLCS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLU0005BQV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.4	J
74-87-3	Chloromethane	0.5	
75-01-4	Vinyl Chloride	0.4	J
74-83-9	Bromomethane	0.3	J
75-00-3	Chloroethane	0.5	J
75-69-4	Trichlorofluoromethane	0.4	J
67-64-1	Acetone	5	J
75-35-4	1,1-Dichloroethene	0.4	J
156-60-5	trans-1,2-Dichloroethene	0.4	J
75-15-0	Carbon Disulfide	0.4	J
75-09-2	Methylene Chloride	0.3	J
75-34-3	1,1-Dichloroethane	0.5	J
156-59-2	cis-1,2-Dichloroethene	0.5	
78-93-3	2-Butanone	3	J
590-20-7	2,2-Dichloropropane	0.6	
67-66-3	Chloroform	0.5	J
74-97-5	Bromochloromethane	0.3	J
71-55-6	1,1,1-Trichloroethane	0.5	J
563-58-6	1,1-Dichloropropene	0.5	J
56-23-5	Carbon Tetrachloride	0.5	J
107-06-2	1,2-Dichloroethane	0.5	J
71-43-2	Benzene	0.5	
79-01-6	Trichloroethene	0.4	J
78-87-5	1,2-Dichloropropane	0.5	J
75-27-4	Bromodichloromethane	0.5	J
74-95-3	Dibromomethane	0.4	J
108-10-1	4-Methyl-2-Pentanone	5	
10061-01-5	cis-1,3-Dichloropropene	0.5	J
108-88-3	Toluene	0.5	J
10061-02-6	trans-1,3-Dichloropropene	0.4	J
79-00-5	1,1,2-Trichloroethane	0.5	J
591-78-6	2-Hexanone	6	
142-28-9	1,3-Dichloropropane	0.5	J

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0.5MLUBLCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 0.5MLUBLCS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MLU0005BQV.D

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: not dec. _____ Data Analyzed: 01/17/97

GC Column:DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
127-18-4	Tetrachloroethene	0.4	J
124-48-1	Dibromochloromethane	0.4	J
106-93-4	1,2-Dibromoethane	0.4	J
108-90-7	Chlorobenzene	0.4	J
630-20-6	1,1,1,2-Tetrachloroethane	0.4	J
100-41-4	Ethylbenzene	0.5	J
1330-20-7	Xylene (total)	1	
100-42-5	Styrene	0.4	J
75-25-2	Bromoform	0.4	J
98-82-8	Isopropylbenzene	0.4	J
79-34-5	1,1,2,2-Tetrachloroethane	0.4	J
96-18-4	1,2,3-Trichloropropane	0.4	J
108-86-1	Bromobenzene	0.4	J
103-65-1	n-Propylbenzene	0.4	J
95-49-8	2-Chlorotoluene	0.4	J
108-67-8	1,3,5-Trimethylbenzene	0.4	J
106-43-4	4-Chlorotoluene	0.4	J
98-06-6	tert-Butylbenzene	0.4	J
95-63-6	1,2,4-Trimethylbenzene	0.4	J
135-98-8	sec-Butylbenzene	0.4	J
99-87-6	p-Isopropyltoluene	0.4	J
541-73-1	1,3-Dichlorobenzene	0.4	J
106-46-7	1,4-Dichlorobenzene	0.4	J
104-51-8	n-Butylbenzene	0.4	J
95-50-1	1,2-Dichlorobenzene	0.4	J
96-12-8	1,2-Dibromo-3-Chloropropane	0.7	
120-82-1	1,2,4-Trichlorobenzene	0.3	J
87-68-3	Hexachlorobutadiene	0.4	J
91-20-3	Naphthalene	0.4	J
87-61-6	1,2,3-Trichlorobenzene	0.3	J

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (BFB) #	SMC3 (DCB) #	OTHER	TOT OUT
01	VBLKY7	108	103	93		0
02	0.5MLUBLCS	110	98	84		0
03	AL059	116	96	81		0
04						
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	QC LIMITS
SMC1 (DCE) = 1,2-Dichloroethane-d4	(83-143)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCB) = 1,2-Dichlorobenzene-d4	(80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix Spike - INCHVT Sample No.: 0.5MLUBLC

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
o-Xylene	0.50		0.40	80	60-140
m- & p-Xylene	1.0		0.83	83	60-140
Dichlorodifluoromethane	0.50		0.44	88	60-140
Chloromethane	0.50		0.52	104	60-140
Vinyl Chloride	0.50		0.39	78	60-140
Bromomethane	0.50		0.31	62	60-140
Chloroethane	0.50		0.46	92	60-140
Trichlorofluoromethane	0.50		0.41	82	60-140
Acetone	5.0		4.6	92	60-140
1,1-Dichloroethene	0.50		0.41	82	60-140
trans-1,2-Dichloroethen	0.50		0.44	88	60-140
Carbon Disulfide	0.50		0.37	74	60-140
Methylene Chloride	0.50		0.34	68	60-140
1,1-Dichloroethane	0.50		0.47	94	60-140
cis-1,2-Dichloroethene	0.50		0.51	102	60-140
2-Butanone	5.0		3.3	66	60-140
2,2-Dichloropropane	0.50		0.56	112	60-140
Chloroform	0.50		0.47	94	60-140
Bromochloromethane	0.50		0.35	70	60-140
1,1,1-Trichloroethane	0.50		0.46	92	60-140
1,1-Dichloropropene	0.50		0.48	96	60-140
Carbon Tetrachloride	0.50		0.46	92	60-140
1,2-Dichloroethane	0.50		0.48	96	60-140
Benzene	0.50		0.50	100	60-140
Trichloroethene	0.50		0.44	88	60-140
1,2-Dichloropropane	0.50		0.48	96	60-140
Bromodichloromethane	0.50		0.46	92	60-140
Dibromomethane	0.50		0.43	86	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix Spike - INCHVT Sample No.: 0.5MLUBLC

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-Pentanone	5.0		5.0	100	60-140
cis-1,3-Dichloropropene	0.50		0.47	94	60-140
Toluene	0.50		0.45	90	60-140
trans-1,3-Dichloroprope	0.50		0.44	88	60-140
1,1,2-Trichloroethane	0.50		0.46	92	60-140
2-Hexanone	5.0		6.0	120	60-140
1,3-Dichloropropane	0.50		0.45	90	60-140
Tetrachloroethene	0.50		0.42	84	60-140
Dibromochloromethane	0.50		0.43	86	60-140
1,2-Dibromoethane	0.50		0.40	80	60-140
Chlorobenzene	0.50		0.44	88	60-140
1,1,1,2-Tetrachloroetha	0.50		0.41	82	60-140
Ethylbenzene	0.50		0.45	90	60-140
Xylene (total)	1.5		1.3	87	60-140
Styrene	0.50		0.40	80	60-140
Bromoform	0.50		0.36	72	60-140
Isopropylbenzene	0.50		0.42	84	60-140
1,1,2,2-Tetrachloroetha	0.50		0.41	82	60-140
1,2,3-Trichloropropane	0.50		0.42	84	60-140
Bromobenzene	0.50		0.40	80	60-140
n-Propylbenzene	0.50		0.40	80	60-140
2-Chlorotoluene	0.50		0.40	80	60-140
1,3,5-Trimethylbenzene	0.50		0.41	82	60-140
4-Chlorotoluene	0.50		0.38	76	60-140
tert-Butylbenzene	0.50		0.41	82	60-140
1,2,4-Trimethylbenzene	0.50		0.41	82	60-140
sec-Butylbenzene	0.50		0.41	82	60-140
p-Isopropyltoluene	0.50		0.39	78	60-140

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

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix Spike - INCHVT Sample No.: 0.5MLUBLC

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	0.50		0.40	80	60-140
1,4-Dichlorobenzene	0.50		0.38	76	60-140
n-Butylbenzene	0.50		0.42	84	60-140
1,2-Dichlorobenzene	0.50		0.38	76	60-140
1,2-Dibromo-3-Chloropro	0.50		0.74	148*	60-140
1,2,4-Trichlorobenzene	0.50		0.34	68	60-140
Hexachlorobutadiene	0.50		0.41	82	60-140
Naphthalene	0.50		0.38	76	60-140
1,2,3-Trichlorobenzene	0.50		0.35	70	60-140

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 65 outside limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKY7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Lab File ID: MLUB002BV.D Lab Sample ID: VBLKY7

Date Analyzed: 01/17/97 Time Analyzed: 1121

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: M

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AL059	323728	M323738V.D	1507
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Lab File ID: MLU001PV.D BFB Injection Date: 01/15/97

Instrument ID: M BFB Injection Time: 1805

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 80.0% of mass 95	51.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	64.8
175	5.0 - 9.0% of mass 174	4.7 (7.3)1
176	95.0 - 101.0% of mass 174	63.3 (97.7)1
177	5.0 - 9.0% of mass 176	4.3 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD030	VSTD030	MLU030HV.D	01/15/97	2127
02	VSTD020	VSTD020	MLU020HV.D	01/15/97	2159
03	VSTD010	VSTD010	MLU010H2V.D	01/15/97	2231
04	VSTD005	VSTD005	MLU005H2V.D	01/15/97	2304
05	VSTD002	VSTD002	MLU002H2V.D	01/15/97	2336
06					
07					
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Lab File ID: MLU003PV.D BFB Injection Date: 01/17/97

Instrument ID: M BFB Injection Time: 0913

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 80.0% of mass 95	51.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	64.9
175	5.0 - 9.0% of mass 174	4.7 (7.2)1
176	95.0 - 101.0% of mass 174	64.1 (98.8)1
177	5.0 - 9.0% of mass 176	4.3 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	VSTD010	MLU010BHV.D	01/17/97	0930
02	VBLKY7	VBLKY7	MLUB002BV.D	01/17/97	1121
03	0.5MLUBLCS	0.5MLUBLCS	MLU0005BQV.D	01/17/97	1228
04	AL059	323728	M323738V.D	01/17/97	1507
05					
06					
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08					
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Instrument ID: M Calibration Date(s): 01/15/97

Heated Purge: (Y/N) N Calibration Times: 2127 2336

GC Column:DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF2 =MLU002H2V.D RRF5 =MLU005H2V.D
RRF10 =MLU010H2V.D RRF20 =MLU020HV.D RRF30 =MLU030HV.D

COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF30	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *	0.881	0.829	0.870	0.877	0.839	0.859	2.8*
Chloromethane *	0.422	0.366	0.393	0.390	0.386	0.392	5.2*
Vinyl Chloride *	0.383	0.366	0.391	0.399	0.375	0.383	3.4*
Bromomethane *	0.266	0.223	0.246	0.239	0.191	0.233	12.1*
Chloroethane *	0.206	0.175	0.138	0.129	0.103	0.150	26.9*
Trichlorofluoromethane *	0.791	0.791	0.848	0.811	0.673	0.783	8.4*
Acetone *	0.085	0.078	0.073	0.071	0.067	0.075	9.0*
1,1-Dichloroethene *	0.300	0.292	0.322	0.341	0.302	0.312	6.4*
trans-1,2-Dichloroethene *	0.294	0.284	0.308	0.332	0.291	0.302	6.3*
Carbon Disulfide *	0.867	0.852	0.970	1.038	0.950	0.935	8.2*
Methylene Chloride *	0.287	0.268	0.299	0.324	0.296	0.295	7.0*
1,1-Dichloroethane *	0.580	0.541	0.579	0.600	0.554	0.571	4.1*
cis-1,2-Dichloroethene *	0.321	0.272	0.277	0.278	0.259	0.281	8.3*
2-Butanone *	0.021	0.022	0.021	0.022	0.020	0.021	3.6*
2,2-Dichloropropane *	0.568	0.503	0.528	0.513	0.504	0.523	5.1*
Chloroform *	0.764	0.683	0.708	0.710	0.701	0.713	4.2*
Bromochloromethane *	0.188	0.179	0.186	0.189	0.180	0.184	2.5*
1,1,1-Trichloroethane *	0.701	0.640	0.661	0.672	0.674	0.669	3.3*
1,1-Dichloropropene *	0.547	0.490	0.506	0.511	0.505	0.512	4.2*
Carbon Tetrachloride *	0.679	0.628	0.650	0.659	0.665	0.656	2.9*
1,2-Dichloroethane *	0.542	0.475	0.495	0.499	0.508	0.504	4.8*
Benzene *	1.017	0.909	0.939	0.945	0.935	0.949	4.2*
Trichloroethene *	0.452	0.424	0.436	0.436	0.435	0.436	2.3*
1,2-Dichloropropane *	0.435	0.401	0.423	0.422	0.417	0.420	2.9*
Bromodichloromethane *	0.832	0.764	0.804	0.816	0.821	0.807	3.3*
Dibromomethane *	0.369	0.342	0.364	0.367	0.365	0.361	3.1*
4-Methyl-2-Pentanone *	0.381	0.358	0.356	0.347	0.353	0.359	3.6*
cis-1,3-Dichloropropene *	0.647	0.588	0.624	0.633	0.637	0.626	3.6*
Toluene *	0.701	0.650	0.678	0.685	0.699	0.683	3.0*
trans-1,3-Dichloropropene *	0.595	0.561	0.587	0.599	0.619	0.592	3.5*
1,1,2-Trichloroethane *	0.330	0.320	0.334	0.337	0.342	0.333	2.5*
2-Hexanone *	0.419	0.338	0.283	0.268	0.259	0.313	21.2*
1,3-Dichloropropane *	0.679	0.622	0.647	0.651	0.667	0.653	3.3*
Tetrachloroethene *	0.552	0.507	0.542	0.553	0.563	0.543	4.0*
Dibromochloromethane *	0.768	0.764	0.792	0.794	0.812	0.786	2.5*
1,2-Dibromoethane *	0.636	0.642	0.657	0.647	0.661	0.648	1.6*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Instrument ID: M Calibration Date(s): 01/15/97

Heated Purge: (Y/N) N Calibration Times: 2127 2336

GC Column:DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF2 =MLU002H2V.D RRF5 =MLU005H2V.D
RRF10 =MLU010H2V.D RRF20 =MLU020HV.D RRF30 =MLU030HV.D

COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF30	$\overline{RRF}$	% RSD
Chlorobenzene *	1.146	1.081	1.108	1.106	1.113	1.111	2.1*
1,1,1,2-Tetrachloroethane *	0.633	0.593	0.625	0.615	0.630	0.619	2.6*
Ethylbenzene *	2.093	1.945	1.996	1.975	2.006	2.003	2.8*
Xylene (total) *	0.669	0.641	0.675	0.672	0.690	0.669	2.7*
Styrene *	1.153	1.105	1.179	1.175	1.206	1.164	3.2*
Bromoform *	0.524	0.545	0.603	0.616	0.640	0.586	8.3*
Isopropylbenzene *	2.124	2.035	2.147	2.162	2.223	2.138	3.2*
1,1,2,2-Tetrachloroethane *	0.767	0.746	0.784	0.774	0.809	0.776	3.0*
1,2,3-Trichloropropane *	0.579	0.546	0.581	0.568	0.570	0.569	2.4*
Bromobenzene *	0.631	0.616	0.657	0.663	0.680	0.649	4.0*
n-Propylbenzene *	0.756	0.492	0.531	0.526	0.545	0.570	18.6*
2-Chlorotoluene *	0.479	0.465	0.486	0.493	0.504	0.485	3.0*
1,3,5-Trimethylbenzene *	1.565	1.522	1.604	1.589	1.648	1.586	3.0*
4-Chlorotoluene *	0.490	0.466	0.503	0.504	0.510	0.495	3.5*
tert-Butylbenzene *	1.717	1.572	1.665	1.661	1.705	1.664	3.4*
1,2,4-Trimethylbenzene *	1.469	1.437	1.523	1.497	1.535	1.492	2.7*
sec-Butylbenzene *	2.212	2.129	2.246	2.223	2.266	2.215	2.4*
p-Isopropyltoluene *	1.717	1.676	1.785	1.760	1.815	1.751	3.1*
1,3-Dichlorobenzene *	1.028	1.020	1.091	1.069	1.095	1.061	3.3*
1,4-Dichlorobenzene *	1.143	1.100	1.153	1.168	1.192	1.151	2.9*
n-Butylbenzene *	1.661	1.582	1.678	1.657	1.704	1.656	2.7*
1,2-Dichlorobenzene *	0.918	0.916	0.979	0.955	0.988	0.951	3.5*
1,2-Dibromo-3-Chloropropane *	0.243	0.212	0.203	0.193	0.197	0.210	9.5*
1,2,4-Trichlorobenzene *	0.582	0.602	0.649	0.657	0.682	0.634	6.5*
Hexachlorobutadiene *	0.440	0.421	0.439	0.440	0.452	0.438	2.5*
Naphthalene *	0.956	0.938	1.040	0.982	1.017	0.986	4.3*
1,2,3-Trichlorobenzene *	0.560	0.566	0.602	0.590	0.610	0.586	3.7*
1,2-Dichloroethane-d4 *	0.433	0.408	0.430	0.401	0.433	0.421	3.6*
Bromofluorobenzene *	0.918	0.918	0.961	0.953	0.981	0.946	2.9*
1,2-Dichlorobenzene-d4 *	0.574	0.598	0.636	0.625	0.649	0.617	4.9*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Instrument ID: M Calibration Date: 01/17/97 Time: 0930

Lab File ID: MLU010BHV.D Init. Calibration Date(s): 01/15/97

Heated Purge: (Y/N) N Init. Calibration Times: 2127 2336

GC Column:DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.859	0.793	0.050	7.7	30.0
Chloromethane	0.392	0.340	0.192	13.2	30.0
Vinyl Chloride	0.383	0.347	0.050	9.4	30.0
Bromomethane	0.233	0.260	0.050	-11.8	30.0
Chloroethane	0.150	0.160	0.050	-6.9	30.0
Trichlorofluoromethane	0.783	0.800	0.050	-2.2	30.0
Acetone	0.075	0.073	0.020	2.1	30.0
1,1-Dichloroethene	0.312	0.328	0.050	-5.4	30.0
trans-1,2-Dichloroethene	0.302	0.331	0.050	-9.5	30.0
Carbon Disulfide	0.935	1.011	0.050	-8.1	30.0
Methylene Chloride	0.295	0.331	0.050	-12.5	30.0
1,1-Dichloroethane	0.571	0.599	0.300	-5.0	30.0
cis-1,2-Dichloroethene	0.281	0.301	0.050	-7.1	30.0
2-Butanone	0.021	0.025	0.020	-18.5	30.0
2,2-Dichloropropane	0.523	0.543	0.050	-3.7	30.0
Chloroform	0.713	0.678	0.050	4.9	30.0
Bromochloromethane	0.184	0.197	0.050	-6.8	30.0
1,1,1-Trichloroethane	0.669	0.628	0.050	6.1	30.0
1,1-Dichloropropene	0.512	0.506	0.050	1.1	30.0
Carbon Tetrachloride	0.656	0.616	0.050	6.1	30.0
1,2-Dichloroethane	0.504	0.444	0.050	11.8	30.0
Benzene	0.949	0.908	0.050	4.3	30.0
Trichloroethene	0.436	0.424	0.050	2.8	30.0
1,2-Dichloropropane	0.420	0.392	0.050	6.6	30.0
Bromodichloromethane	0.807	0.749	0.050	7.2	30.0
Dibromomethane	0.361	0.362	0.050	-0.2	30.0
4-Methyl-2-Pentanone	0.359	0.326	0.020	9.1	30.0
cis-1,3-Dichloropropene	0.626	0.614	0.050	1.9	30.0
Toluene	0.683	0.658	0.050	3.6	30.0
trans-1,3-Dichloropropene	0.592	0.576	0.050	2.7	30.0
1,1,2-Trichloroethane	0.333	0.332	0.050	0.3	30.0
2-Hexanone	0.313	0.232	0.020	25.9	30.0
1,3-Dichloropropane	0.653	0.639	0.050	2.2	30.0
Tetrachloroethene	0.543	0.580	0.050	-6.7	30.0
Dibromochloromethane	0.786	0.778	0.050	1.1	30.0
1,2-Dibromoethane	0.648	0.652	0.050	-0.5	30.0

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Instrument ID: M Calibration Date: 01/17/97 Time: 0930

Lab File ID: MLU010BHV.D Init. Calibration Date(s): 01/15/97

Heated Purge: (Y/N) N Init. Calibration Times: 2127 2336

GC Column:DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	1.111	1.092	0.300	1.7	30.0
1,1,1,2-Tetrachloroethane	0.619	0.627	0.050	-1.2	30.0
Ethylbenzene	2.003	1.926	0.050	3.8	30.0
Xylene (total)	0.669	0.665	0.050	0.7	30.0
Styrene	1.164	1.141	0.050	2.0	30.0
Bromoform	0.586	0.598	0.250	-2.1	30.0
Isopropylbenzene	2.138	2.140	0.050	-0.1	30.0
1,1,2,2-Tetrachloroethane	0.776	0.804	0.300	-3.5	30.0
1,2,3-Trichloropropane	0.569	0.597	0.050	-5.0	30.0
Bromobenzene	0.649	0.687	0.050	-5.9	30.0
n-Propylbenzene	0.570	0.539	0.050	5.5	30.0
2-Chlorotoluene	0.485	0.514	0.050	-5.9	30.0
1,3,5-Trimethylbenzene	1.586	1.600	0.050	-0.9	30.0
4-Chlorotoluene	0.495	0.524	0.050	-5.9	30.0
tert-Butylbenzene	1.664	1.699	0.050	-2.1	30.0
1,2,4-Trimethylbenzene	1.492	1.504	0.050	-0.8	30.0
sec-Butylbenzene	2.215	2.247	0.050	-1.4	30.0
p-Isopropyltoluene	1.751	1.824	0.050	-4.2	30.0
1,3-Dichlorobenzene	1.061	1.180	0.050	-11.3	30.0
1,4-Dichlorobenzene	1.151	1.270	0.050	-10.3	30.0
n-Butylbenzene	1.656	1.706	0.050	-3.0	30.0
1,2-Dichlorobenzene	0.951	1.062	0.050	-11.7	30.0
1,2-Dibromo-3-Chloropropane	0.210	0.199	0.020	5.1	30.0
1,2,4-Trichlorobenzene	0.634	0.679	0.050	-7.1	30.0
Hexachlorobutadiene	0.438	0.418	0.050	4.6	30.0
Naphthalene	0.986	0.995	0.050	-0.9	30.0
1,2,3-Trichlorobenzene	0.586	0.606	0.050	-3.5	30.0
1,2-Dichloroethane-d4	0.421	0.381	0.050	9.5	30.0
Bromofluorobenzene	0.946	0.905	0.050	4.4	30.0
1,2-Dichlorobenzene-d4	0.617	0.663	0.050	-7.6	30.0

All other compounds must meet a minimum RRF of 0.010.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Lab File ID (Standard): MLU010BHV.D Date Analyzed: 01/17/97

Instrument ID: M Time Analyzed: 0930

GC Column:DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	144081	10.19	117471	16.20	0	0.00
	UPPER LIMIT	288162	10.69	234942	16.70	0	0.50
	LOWER LIMIT	72040	9.69	58736	15.70	0	-0.50
	EPA SAMPLE No.						
01	VBLKY7	116616	10.20	94231	16.20		
02	0.5MLUBLCS	109286	10.20	89980	16.20		
03	AL059	104491	10.22	86258	16.22		
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IS1 (FBZ) = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 = N/A

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL058

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323729

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L323729V

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	1	J
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL058

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323729

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L323729V

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL060

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323731

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L323731V

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	130	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	6	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL060

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323731

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L323731V

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL061

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323733

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L323733V

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	130	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	6	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL061

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323733

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L323733V

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL063

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323735

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L323735V

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	130	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	1	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	4	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL063

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323735

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L323735V

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL064

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323737

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L323737V

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	84	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	25	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL064

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323737

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L323737V

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL065

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323791

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: 0323791V

Level: (low/med) LOW Date Received: 01/13/97

% Moisture: not dec. _____ Date Analyzed: 01/20/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	14	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL065

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323791

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: O323791V

Level: (low/med) LOW Date Received: 01/13/97

% Moisture: not dec. _____ Date Analyzed: 01/20/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE DERIVATIVE	12.90	9	J
2.	5989-27-5	D-LIMONENE	13.90	21	NJ
3.		UNKNOWN SILOXANE DERIVATIVE	14.74	6	J
4.		UNKNOWN KETONE	14.81	6	J
5.		UNKNOWN ALIPHATIC ALDEHYDE	14.91	10	J
6.		UNKNOWN KETONE	15.73	5	J
7.		UNKNOWN ALIPHATIC ALDEHYDE	15.83	6	J
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9.					
10.					
11.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL066

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323792

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: O323792V

Level: (low/med) LOW Date Received: 01/13/97

% Moisture: not dec. _____ Date Analyzed: 01/20/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	18	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	13	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	4	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL066

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323792

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: O323792V

Level: (low/med) LOW Date Received: 01/13/97

% Moisture: not dec. _____ Date Analyzed: 01/20/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN SILOXANE DERIVATIVE	12.90	9	J
2.		UNKNOWN C4-ALKYLBENZENE	13.93	5	J
3.		UNKNOWN SILOXANE DERIVATIVE	14.74	7	J
4.		UNKNOWN ALIPHATIC ALDEHYDE	14.92	13	J
5.		UNKNOWN ALIPHATIC ALDEHYDE	15.83	11	J
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL067

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323794

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: O323794DV

Level: (low/med) LOW Date Received: 01/13/97

% Moisture: not dec. _____ Date Analyzed: 01/20/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	18	J
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	50	U
67-64-1	Acetone	46	J
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	790	
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	570	
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	50	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL067

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323794

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: O323794DV

Level: (low/med) LOW Date Received: 01/13/97

% Moisture: not dec. _____ Date Analyzed: 01/20/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL068

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323796

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: O323796D2V

Level: (low/med) LOW Date Received: 01/13/97

% Moisture: not dec. _____ Date Analyzed: 01/20/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 3.8

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	38	U
74-83-9	Bromomethane	38	U
75-01-4	Vinyl Chloride	240	
75-00-3	Chloroethane	38	U
75-09-2	Methylene Chloride	38	U
67-64-1	Acetone	26	J
75-15-0	Carbon Disulfide	38	U
75-35-4	1,1-Dichloroethene	38	U
75-34-3	1,1-Dichloroethane	38	U
540-59-0	1,2-Dichloroethene (total)	560	
67-66-3	Chloroform	38	U
107-06-2	1,2-Dichloroethane	38	U
78-93-3	2-Butanone	38	U
71-55-6	1,1,1-Trichloroethane	4	J
56-23-5	Carbon Tetrachloride	38	U
75-27-4	Bromodichloromethane	38	U
78-87-5	1,2-Dichloropropane	38	U
10061-01-5	cis-1,3-Dichloropropene	38	U
79-01-6	Trichloroethene	20	J
124-48-1	Dibromochloromethane	38	U
79-00-5	1,1,2-Trichloroethane	38	U
71-43-2	Benzene	38	U
10061-02-6	trans-1,3-Dichloropropene	38	U
75-25-2	Bromoform	38	U
108-10-1	4-Methyl-2-Pentanone	38	U
591-78-6	2-Hexanone	38	U
127-18-4	Tetrachloroethene	38	U
79-34-5	1,1,2,2-Tetrachloroethane	38	U
108-88-3	Toluene	38	U
108-90-7	Chlorobenzene	38	U
100-41-4	Ethylbenzene	38	U
100-42-5	Styrene	38	U
1330-20-7	Xylene (total)	38	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL068

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323796

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: O323796D2V

Level: (low/med) LOW Date Received: 01/13/97

% Moisture: not dec. _____ Date Analyzed: 01/20/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 3.8

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL070

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323799

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: O323799DV

Level: (low/med) LOW Date Received: 01/13/97

% Moisture: not dec. _____ Date Analyzed: 01/20/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	7	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	6	J
67-66-3	Chloroform	3	J
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	160	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL070

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323799

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: O323799DV

Level: (low/med) LOW Date Received: 01/13/97

% Moisture: not dec. _____ Date Analyzed: 01/20/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	16654-74-3	3,6,9-TRIOXA-2,10-DISILAUNDE	16.26	6	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKY3

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: VBLKY3

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LITB002V

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKY3

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: VBLKY3

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: LITB002V

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
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30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKZ2

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: VBLKZ2

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OIBB002AV

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/20/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKZ2

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: VBLKZ2

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: OIBB002AV

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/20/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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27.					
28.					
29.					
30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL060MS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323731MS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L323731MSV

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	52	
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	120	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	55	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	51	
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	50	
108-90-7	Chlorobenzene	51	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL060MSD

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323731MD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L323731MDV

Level: (low/med) LOW Date Received: 01/11/97

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	48	
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	120	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	53	
124-48-1	Dibromochlorcmethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	48	
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	48	
108-90-7	Chlorobenzene	49	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix: (soil/water) WATER Lab Sample ID: 323739

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: L323739V

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/15/97

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	52	
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	49	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	50	
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	50	
108-90-7	Chlorobenzene	52	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKY3	104	105	93		0
02	AL058	100	104	95		0
03	AL060	99	101	94		0
04	AL060MS	102	105	94		0
05	AL060MSD	100	104	93		0
06	AL061	104	104	101		0
07	AL063	101	103	96		0
08	AL064	102	103	98		0
09	MBS	104	107	91		0
10	VBLKZ2	110	106	100		0
11	AL067	106	105	101		0
12	AL070	106	106	104		0
13	AL065	110	109	113		0
14	AL066	108	107	113		0
15	AL068	103	103	114		0
16						
17						
18						
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30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix Spike - EPA Sample No.: AL060

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	52	104	61-145
Trichloroethene	50	6	55	98	71-120
Benzene	50	0	51	102	76-127
Toluene	50	0	50	100	76-125
Chlorobenzene	50	0	51	102	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	48	96	8	14	61-145
Trichloroethene	50	53	94	4	14	71-120
Benzene	50	48	96	6	11	76-127
Toluene	50	48	96	4	13	76-125
Chlorobenzene	50	49	98	4	13	75-130

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Matrix Spike - ENGSC2 Sample No.: MBS

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	BS CONCENTRATION (ug/L)	BS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		52	104	61-145
Trichloroethene	50		49	98	71-120
Benzene	50		50	100	76-127
Toluene	50		50	100	76-125
Chlorobenzene	50		52	104	75-130

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKY3

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Lab File ID: LITB002V Lab Sample ID: VBLKY3

Date Analyzed: 01/15/97 Time Analyzed: 1618

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AL058	323729	L323729V	1805
02	AL060	323731	L323731V	1830
03	AL060MS	323731MS	L323731MSV	1855
04	AL060MSD	323731MD	L323731MDV	1920
05	AL061	323733	L323733V	1945
06	AL063	323735	L323735V	2010
07	AL064	323737	L323737V	2036
08	MBS	323739	L323739V	2242
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKZ2

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Lab File ID: OIBB002AV Lab Sample ID: VBLKZ2

Date Analyzed: 01/20/97 Time Analyzed: 1120

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: O

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AL067	323794	O323794DV	1147
02	AL070	323799	O323799DV	1301
03	AL065	323791	O323791V	1327
04	AL066	323792	O323792V	1353
05	AL068	323796	O323796D2V	1452
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COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Lab File ID: LIT001PV BFB Injection Date: 01/15/97

Instrument ID: L BFB Injection Time: 1310

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	45.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	62.6
175	5.0 - 9.0% of mass 174	4.6 (7.4)1
176	95.0 - 101.0% of mass 174	61.8 (98.7)1
177	5.0 - 9.0% of mass 176	4.2 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	VSTD010	LIT010HV	01/15/97	1320
02	VSTD020	VSTD020	LIT020HV	01/15/97	1346
03	VSTD050	VSTD050	LIT050HV	01/15/97	1411
04	VSTD100	VSTD100	LIT100HV	01/15/97	1435
05	VSTD200	VSTD200	LIT200HV	01/15/97	1501
06	VBLKY3	VBLKY3	LITB002V	01/15/97	1618
07	AL058	323729	L323729V	01/15/97	1805
08	AL060	323731	L323731V	01/15/97	1830
09	AL060MS	323731MS	L323731MSV	01/15/97	1855
10	AL060MSD	323731MD	L323731MDV	01/15/97	1920
11	AL061	323733	L323733V	01/15/97	1945
12	AL063	323735	L323735V	01/15/97	2010
13	AL064	323737	L323737V	01/15/97	2036
14	MBS	323739	L323739V	01/15/97	2242
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Lab File ID: OIB001PV BFB Injection Date: 01/19/97

Instrument ID: O BFB Injection Time: 1156

GC Column: CAP ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	29.7
75	30.0 - 60.0% of mass 95	55.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	55.2
175	5.0 - 9.0% of mass 174	3.9 (7.1)1
176	95.0 - 101.0% of mass 174	54.4 (98.6)1
177	5.0 - 9.0% of mass 176	3.3 (6.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD020	VSTD020	OIB020HV	01/19/97	1238
02	VSTD050	VSTD050	OIB050HV	01/19/97	1304
03	VSTD100	VSTD100	OIB100HV	01/19/97	1330
04	VSTD200	VSTD200	OIB200HV	01/19/97	1355
05	VSTD010	VSTD010	OIB010H2V	01/19/97	1525
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Lab File ID: OIB002PV BFB Injection Date: 01/20/97

Instrument ID: O BFB Injection Time: 0857

GC Column: CAP ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.4
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	63.2
175	5.0 - 9.0% of mass 174	4.7 (7.5)1
176	95.0 - 101.0% of mass 174	61.8 (97.8)1
177	5.0 - 9.0% of mass 176	4.4 (7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	VSTD010	OIB050AHV	01/20/97	0923
02	VBLKZ2	VBLKZ2	OIBB002AV	01/20/97	1120
03	AL067	323794	O323794DV	01/20/97	1147
04	AL070	323799	O323799DV	01/20/97	1301
05	AL065	323791	O323791V	01/20/97	1327
06	AL066	323792	O323792V	01/20/97	1353
07	AL068	323796	O323796D2V	01/20/97	1452
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Instrument ID: L Calibration Date(s): 01/15/97 01/15/97

Heated Purge: (Y/N) N Calibration Time(s): 1320 1501

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =LIT010HV RRF20 =LIT020HV
RRF50 =LIT050HV RRF100=LIT100HV RRF200=LIT200HV

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane	1.325	1.439	1.494	1.510	1.372	1.428	5.5
Bromomethane *	1.091	1.160	1.201	1.234	1.127	1.163	4.9*
Vinyl Chloride *	1.411	1.519	1.585	1.600	1.482	1.519	5.1*
Chloroethane	0.855	0.920	0.935	0.865	0.723	0.860	9.7
Methylene Chloride	1.311	1.473	1.526	1.546	1.444	1.460	6.4
Acetone	0.095	0.107	0.120	0.109	0.088	0.104	12.1
Carbon Disulfide	3.735	4.097	4.476	4.561	4.417	4.257	8.0
1,1-Dichloroethene *	1.131	1.233	1.316	1.309	1.263	1.250	6.0*
1,1-Dichloroethane *	2.190	2.412	2.536	2.485	2.367	2.398	5.6*
1,2-Dichloroethene (total)	1.258	1.242	1.318	1.303	1.274	1.279	2.4
Chloroform *	2.416	2.642	2.746	2.647	2.492	2.589	5.1*
1,2-Dichloroethane *	1.234	1.384	1.441	1.353	1.250	1.332	6.6*
2-Butanone	0.050	0.054	0.057	0.057	0.054	0.054	5.0
1,1,1-Trichloroethane *	0.434	0.490	0.518	0.503	0.490	0.487	6.6*
Carbon Tetrachloride *	0.408	0.458	0.488	0.471	0.460	0.457	6.5*
Bromodichloromethane *	0.475	0.579	0.598	0.583	0.565	0.560	8.8*
1,2-Dichloropropane	0.307	0.362	0.376	0.367	0.357	0.354	7.7
cis-1,3-Dichloropropene *	0.437	0.527	0.555	0.539	0.528	0.517	9.0*
Trichloroethene *	0.348	0.387	0.413	0.406	0.402	0.391	6.7*
Dibromochloromethane *	0.412	0.514	0.539	0.534	0.524	0.505	10.4*
1,1,2-Trichloroethane *	0.245	0.293	0.300	0.291	0.284	0.283	7.8*
Benzene *	0.817	0.928	0.975	0.957	0.931	0.922	6.7*
trans-1,3-Dichloropropene *	0.363	0.444	0.464	0.455	0.441	0.433	9.3*
Bromoform *	0.276	0.354	0.375	0.372	0.365	0.348	11.8*
4-Methyl-2-Pentanone	0.299	0.320	0.324	0.320	0.316	0.316	3.1
2-Hexanone	0.219	0.196	0.202	0.216	0.214	0.209	4.8
Tetrachloroethene *	0.362	0.400	0.424	0.419	0.414	0.404	6.1*
1,1,2,2-Tetrachloroethane *	0.495	0.590	0.597	0.572	0.554	0.562	7.3*
Toluene *	1.021	1.139	1.194	1.156	1.107	1.123	5.8*
Chlorobenzene *	0.755	0.871	0.912	0.896	0.867	0.860	7.2*
Ethylbenzene *	0.389	0.440	0.470	0.462	0.444	0.441	7.2*
Styrene *	0.762	0.902	0.942	0.928	0.874	0.882	8.2*
Xylene (total) *	0.466	0.542	0.566	0.562	0.543	0.536	7.6*
Toluene-d8	0.954	1.016	1.061	1.026	0.986	1.009	4.0
Bromofluorobenzene *	0.757	0.779	0.794	0.783	0.747	0.772	2.5*
1,2-Dichloroethane-d4	1.206	1.234	1.296	1.234	1.142	1.222	4.6

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Instrument ID: O Calibration Date(s): 01/19/97 01/19/97

Heated Purge: (Y/N) N Calibration Time(s): 1238 1525

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =OIB010H2V RRF20 =OIB020HV
RRF50 =OIB050HV RRF100=OIB100HV RRF200=OIB200HV

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane		1.600	1.636	1.423	1.309	1.134	1.420	14.7
Bromomethane	*	1.498	1.450	1.206	1.251	1.084	1.298	13.3*
Vinyl Chloride	*	1.658	1.666	1.474	1.354	1.174	1.465	14.2*
Chloroethane		1.130	1.109	0.872	0.879	0.739	0.946	17.8
Methylene Chloride		1.606	1.582	1.324	1.327	1.224	1.413	12.1
Acetone		0.382	0.373	0.314	0.256	0.208	0.307	24.4
Carbon Disulfide		4.618	4.574	3.873	3.859	3.402	4.065	12.8
1,1-Dichloroethene	*	1.576	1.510	1.281	1.268	1.102	1.347	14.3*
1,1-Dichloroethane	*	3.026	3.090	2.570	2.493	2.303	2.696	12.8*
1,2-Dichloroethene (total)		1.717	1.714	1.447	1.428	1.348	1.531	11.3
Chloroform	*	3.150	3.269	2.704	2.598	2.404	2.825	13.1*
1,2-Dichloroethane	*	2.069	2.140	1.732	1.678	1.530	1.830	14.4*
2-Butanone		0.138	0.118	0.114	0.119	0.108	0.119	9.7
1,1,1-Trichloroethane	*	0.616	0.639	0.504	0.498	0.460	0.543	14.6*
Carbon Tetrachloride	*	0.550	0.564	0.454	0.449	0.410	0.485	13.9*
Bromodichloromethane	*	0.716	0.751	0.592	0.594	0.554	0.641	13.5*
1,2-Dichloropropane		0.392	0.418	0.323	0.325	0.311	0.354	13.6
cis-1,3-Dichloropropene	*	0.616	0.643	0.505	0.510	0.483	0.551	13.2*
Trichloroethene	*	0.430	0.434	0.346	0.352	0.340	0.380	12.5*
Dibromochloromethane	*	0.588	0.604	0.482	0.497	0.475	0.529	11.7*
1,1,2-Trichloroethane	*	0.381	0.392	0.301	0.311	0.290	0.335	14.2*
Benzene	*	1.001	1.000	0.790	0.800	0.779	0.874	13.2*
trans-1,3-Dichloropropene	*	0.535	0.574	0.445	0.452	0.421	0.485	13.5*
Bromoform	*	0.456	0.460	0.376	0.378	0.356	0.405	12.1*
4-Methyl-2-Pentanone		0.575	0.591	0.414	0.421	0.456	0.491	17.4
2-Hexanone		0.353	0.385	0.272	0.305	0.282	0.319	15.1
Tetrachloroethene	*	0.452	0.444	0.358	0.354	0.349	0.391	13.3*
1,1,2,2-Tetrachloroethane	*	0.828	0.793	0.615	0.585	0.575	0.679	17.9*
Toluene	*	1.212	1.229	0.940	0.924	0.927	1.046	15.2*
Chlorobenzene	*	0.984	1.007	0.818	0.817	0.787	0.883	11.8*
Ethylbenzene	*	0.462	0.471	0.382	0.394	0.386	0.419	10.5*
Styrene	*	1.072	1.057	0.839	0.808	0.768	0.909	15.9*
Xylene (total)	*	0.608	0.618	0.493	0.490	0.486	0.539	12.6*
Toluene-d8		1.128	1.140	0.884	0.862	0.864	0.976	14.9
Bromofluorobenzene	*	0.832	0.837	0.664	0.636	0.619	0.718	15.0*
1,2-Dichloroethane-d4		1.774	1.873	1.519	1.483	1.354	1.601	13.5

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Instrument ID: L Calibration Date: 01/15/97 Time: 1411

Lab File ID: LIT050HV Init. Calib. Date(s): 01/15/97 01/15/97

Heated Purge: (Y/N) N Init. Calib. Times: 1320 1501

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.428	1.494		4.6	
Bromomethane	1.163	1.201	0.100	3.3	25.0
Vinyl Chloride	1.519	1.585	0.100	4.3	25.0
Chloroethane	0.860	0.935		8.7	
Methylene Chloride	1.460	1.526		4.5	
Acetone	0.104	0.120		15.4	
Carbon Disulfide	4.257	4.476		5.1	
1,1-Dichloroethene	1.250	1.316	0.100	5.3	25.0
1,1-Dichloroethane	2.398	2.536	0.200	5.8	25.0
1,2-Dichloroethene (total)	1.279	1.318		3.0	
Chloroform	2.589	2.746	0.200	6.1	25.0
1,2-Dichloroethane	1.332	1.441	0.100	8.2	25.0
2-Butanone	0.054	0.057		5.6	
1,1,1-Trichloroethane	0.487	0.518	0.100	6.4	25.0
Carbon Tetrachloride	0.457	0.488	0.100	6.8	25.0
Bromodichloromethane	0.560	0.598	0.200	6.8	25.0
1,2-Dichloropropane	0.354	0.376		6.2	
cis-1,3-Dichloropropene	0.517	0.555	0.200	7.4	25.0
Trichloroethene	0.391	0.413	0.300	5.6	25.0
Dibromochloromethane	0.505	0.539	0.100	6.7	25.0
1,1,2-Trichloroethane	0.283	0.300	0.100	6.0	25.0
Benzene	0.922	0.975	0.500	5.7	25.0
trans-1,3-Dichloropropene	0.433	0.464	0.100	7.2	25.0
Bromoform	0.348	0.375	0.100	7.8	25.0
4-Methyl-2-Pentanone	0.316	0.324		2.5	
2-Hexanone	0.209	0.202		3.3	
Tetrachloroethene	0.404	0.424	0.200	5.0	25.0
1,1,2,2-Tetrachloroethane	0.562	0.597	0.500	6.2	25.0
Toluene	1.123	1.194	0.400	6.3	25.0
Chlorobenzene	0.860	0.912	0.500	6.0	25.0
Ethylbenzene	0.441	0.470	0.100	6.6	25.0
Styrene	0.882	0.942	0.300	6.8	25.0
Xylene (total)	0.536	0.566	0.300	5.6	25.0
Toluene-d8	1.009	1.061		5.2	
Bromofluorobenzene	0.772	0.794	0.200	2.8	25.0
1,2-Dichloroethane-d4	1.222	1.296		6.0	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Instrument ID: O Calibration Date: 01/20/97 Time: 0923

Lab File ID: OIB050AHV Init. Calib. Date(s): 01/19/97 01/19/97

Heated Purge: (Y/N) N Init. Calib. Times: 1238 1525

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	1.420	1.527		7.5	
Bromomethane	1.298	1.329	0.100	2.4	25.0
Vinyl Chloride	1.465	1.561	0.100	6.6	25.0
Chloroethane	0.946	0.926		2.1	
Methylene Chloride	1.413	1.440		1.9	
Acetone	0.307	0.282		8.1	
Carbon Disulfide	4.065	4.310		6.0	
1,1-Dichloroethene	1.347	1.382	0.100	2.6	25.0
1,1-Dichloroethane	2.696	2.815	0.200	4.4	25.0
1,2-Dichloroethene (total)	1.531	1.573		2.7	
Chloroform	2.825	2.966	0.200	5.0	25.0
1,2-Dichloroethane	1.830	1.938	0.100	5.9	25.0
2-Butanone	0.119	0.110		7.6	
1,1,1-Trichloroethane	0.543	0.567	0.100	4.4	25.0
Carbon Tetrachloride	0.485	0.507	0.100	4.5	25.0
Bromodichloromethane	0.641	0.666	0.200	3.9	25.0
1,2-Dichloropropane	0.354	0.363		2.5	
cis-1,3-Dichloropropene	0.551	0.568	0.200	3.1	25.0
Trichloroethene	0.380	0.388	0.300	2.1	25.0
Dibromochloromethane	0.529	0.545	0.100	3.0	25.0
1,1,2-Trichloroethane	0.335	0.342	0.100	2.1	25.0
Benzene	0.874	0.873	0.500	0.1	25.0
trans-1,3-Dichloropropene	0.485	0.496	0.100	2.3	25.0
Bromoform	0.405	0.424	0.100	4.7	25.0
4-Methyl-2-Pentanone	0.491	0.468		4.7	
2-Hexanone	0.319	0.326		2.2	
Tetrachloroethene	0.391	0.390	0.200	0.2	25.0
1,1,2,2-Tetrachloroethane	0.679	0.680	0.500	0.1	25.0
Toluene	1.046	1.023	0.400	2.2	25.0
Chlorobenzene	0.883	0.899	0.500	1.8	25.0
Ethylbenzene	0.419	0.421	0.100	0.5	25.0
Styrene	0.909	0.923	0.300	1.5	25.0
Xylene (total)	0.539	0.540	0.300	0.2	25.0
Toluene-d8	0.976	0.955		2.2	
Bromofluorobenzene	0.718	0.721	0.200	0.4	25.0
1,2-Dichloroethane-d4	1.601	1.686		5.3	

All other compounds must meet a minimum RRF of 0.010.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Lab File ID (Standard): LIT200HV Date Analyzed: 01/15/97

Instrument ID: L Time Analyzed: 1501

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #		IS2(DFB) AREA #		IS3(CBZ) AREA #	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	538312	7.37	2314239	8.69	1995803	12.24
	UPPER LIMIT	1076624	7.87	4628478	9.19	3991606	12.74
	LOWER LIMIT	269156	6.87	1157120	8.19	997902	11.74
	EPA SAMPLE NO.						
01	VBLKY3	445236	7.37	2054813	8.68	1778139	12.24
02	AL058	470173	7.37	2129033	8.68	1906701	12.24
03	AL060	497126	7.37	2203375	8.68	1924906	12.24
04	AL060MS	488048	7.37	2173581	8.68	1900167	12.24
05	AL060MSD	470582	7.37	2065634	8.68	1828092	12.24
06	AL061	488559	7.38	2153341	8.68	1853912	12.24
07	AL063	498782	7.37	2203063	8.68	1932793	12.24
08	AL064	499970	7.38	2209091	8.68	1917945	12.24
09	MBS	465648	7.38	2078346	8.68	1824859	12.24
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: 93206 SAS No.: SDG No.: 63471

Lab File ID (Standard): OIB050AHV Date Analyzed: 01/20/97

Instrument ID: O Time Analyzed: 0923

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	376930	7.07	1794677	8.23	1595811	11.44
	UPPER LIMIT	753860	7.57	3589354	8.73	3191622	11.94
	LOWER LIMIT	188465	6.57	897339	7.73	797906	10.94
	EPA SAMPLE NO.						
01	VBLKZ2	365122	7.07	1720621	8.22	1440531	11.45
02	AL067	341276	7.07	1643768	8.22	1382578	11.45
03	AL070	321627	7.07	1540141	8.22	1288509	11.45
04	AL065	261755	7.07	1238712	8.22	1042725	11.45
05	AL066	275536	7.07	1321249	8.22	1130404	11.45
06	AL068	285202	7.07	1414325	8.22	1231579	11.45
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA SUMMARY PACKAGE

LAB CODE: INCHVT

CONTRACT NO.: 93206

CASE NO.: 93206

SDG NO.: 63471

Inchcape Testing Services

Inchcape Testing Services
Environmental Laboratories

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Richardson, TX 75081
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CUSTOMER: ITS/Burlington
PROJECT: 93206 SDG:63471

REPORT NUMBER: D97-533
SAMPLES RECEIVED: 15-January-1997

Inchcape Testing Services
Environmental Laboratories

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Tel. 972-238-5591
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TABLE OF CONTENTS
(D97-533)

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CASE NARRATIVE

Inchcape Testing Services
Environmental Laboratories

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DATE RECEIVED: 15-JAN-1997

REPORT NUMBER: D97-533
REPORT DATE: 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
Colchester, VT 05446
ATTENTION : Chris Oulette

PROJECT : 93206 SDG:63471

DATE SAMPLED : 10-JAN-1997

CASE NARRATIVE COMMENTS:

This is an ITS Level 3 data package, containing results for the analysis of volatiles by EPA method RSK 175.

RSK 175 Volatiles Analysis

No issues were noted during the sample analysis for this task.

Please refer to the attached Case Narrative Summary for sample identifications and analytical requests.

If you have any questions, please feel free to contact Mr. John (J.T.) Todd at (972) 238-5591.

Gregory K. Horton
Data Review

Inchcape Testing Services
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JOB ID : D97-533
CUSTOMER : ITS/Burlington
PROJECT : 93206 SDG:63471

SAMPLE ID : D97-533-1 DATE SAMPLED : 10-JAN-1997
ID MARKS : 323729

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			LAJ	15-JAN-1997	F011597-1

SAMPLE ID : D97-533-2 DATE SAMPLED : 10-JAN-1997
ID MARKS : 323731

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			LAJ	15-JAN-1997	F011597-1

SAMPLE ID : D97-533-3 DATE SAMPLED : 10-JAN-1997
ID MARKS : 323733

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			LAJ	15-JAN-1997	F011597-1

SAMPLE ID : D97-533-4 DATE SAMPLED : 10-JAN-1997
ID MARKS : 323735

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			LAJ	15-JAN-1997	F011597-1

SAMPLE ID : D97-533-5 DATE SAMPLED : 10-JAN-1997
ID MARKS : 323737

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			LAJ	15-JAN-1997	F011597-1

SAMPLE ID : D97-533-6 DATE SAMPLED : 11-JAN-1997
ID MARKS : 323792

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			LAJ	15-JAN-1997	F011597-1

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JOB ID : D97-533
CUSTOMER : ITS/Burlington
PROJECT : 93206 SDG:63471

SAMPLE ID : D97-533-7 DATE SAMPLED : 11-JAN-1997
ID MARKS : 323794

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			LAJ	15-JAN-1997	F011597-1

SAMPLE ID : D97-533-8 DATE SAMPLED : 11-JAN-1997
ID MARKS : 323796

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			LAJ	15-JAN-1997	F011597-1

SAMPLE ID : D97-533-9 DATE SAMPLED : 11-JAN-1997
ID MARKS : 323799

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			LAJ	15-JAN-1997	F011597-1

SAMPLE ID : D97-533-10 DATE SAMPLED : 15-JAN-1997
ID MARKS : Method Blank

ANALYSIS	PRP	PRP DATE	ANL	ANL DATE	QC BATCH NUMBER
RSK_175 /1			LAJ	15-JAN-1997	F011597-1

ANALYSIS	DESCRIPTION
RSK_175	Dis. Gas in Water RSK 175

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CHAIN OF CUSTODY

Chain-of-Custody Record

TS
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55 South Park Drive
Colchester, VT 05446

TEL: (802) 655-1203
FAX: (802) 655-1248

PAGE

COMPANY INFORMATION	COMPANY'S PROJECT INFORMATION	SHIPPING INFORMATION	VOLUME/CONT PRESERVATI
ITS S. PARK DRIVE HESTER, VT 05446 : ame: CHRIS OUELLETTE	Project Name: 93206 Project Number: SPG! 63471 Sampler Name(s):	Carrier: Airbill Number: Date Shipped: Hand Delivered: ☐ yes ☐ no	40ml / VIALS

ITS LABORATORY INFORMATION — Quote #: — Client Code:

IDENTIFICATION (NOTE 1)	COLLECTION DATE	COLLECTION TIME	GRAB	COMPOSITE	MATRIX	ANALYSIS/REMARKS (NOTE 2,3)	NUMBER OF C	
29	1/10/97				WATER	METHANE/ETHANE/ETHENE	3	53
731	↓				↓		3	
733							3	
735							3	
737	↓						3	
92	1/11/97						3	
794							3	
796							3	
99	↓				↓		3	

ed by: (signature)	DATE	TIME	Received by: (signature)
	1/14/97	1730	
ed by: (signature)	DATE	TIME	Received by: (signature)
ed by: (signature)	DATE	TIME	Received for Laboratory by: (signature)
			C. McNair 1-15-97 1222

NOTES TO SAMPLER(S): (1) Limit Sample Identification to 6 characters, if p
(2) Indicate designated Lab Q.C. sample and type (e.g.: MS/MSD/REP) and p
sufficient sample; (3) Field duplicates are separate sample; (4) e.g.: 40 ml/gl

Notes to Lab: FIRST AND LAST SET OF SAMPLES FOR
63471

COOLER TEMPERATURE WHEN RECEIVED 4 °C

SCRF

: Orig Acco ies S ent; (to Cc ator Files

Inchcape Testing Services
NDRC Laboratories

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ANALYTICAL RESULTS

Inchcape Testing Services
Environmental Laboratories

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Tel. 972-238-5591
Fax 972-238-5592

ANALYTICAL REPORT

DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-533
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette
PROJECT : 93206 SDG:63471

Included in this data package are the analytical results for the sample group which you have submitted to Inchcape Testing Services for analysis. These results are representative of the samples as received by the laboratory.

The information contained herein has undergone extensive review and is deemed accurate and complete. Sample analysis and quality control were performed in accordance with all applicable protocols. Please refrain from reproducing this report except in its entirety.

If you have any questions regarding this report and its associated materials please call your Project Manager at (972) 238-5591.

We appreciate the opportunity to serve you and look forward to providing continued service in the future.

Martin Jeffus
General Manager

Inchcape Testing Services
Environmental Laboratories

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Richardson, TX 75081
Tel. 972-238-5591
Fax 972-238-5592

DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-533-1
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323729
PROJECT : 93206 SDG:63471
DATE SAMPLED : 10-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : LAJ
ANALYZED ON : 15-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011597-1

DISSOLVED GASES IN WATER		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Methane	0.5 ppbw	< 0.5 ppbw
Ethane	0.5 ppbw	< 0.5 ppbw
Ethene	0.5 ppbw	< 0.5 ppbw

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DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-533-2
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323731
PROJECT : 93206 SDG:63471
DATE SAMPLED : 10-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : LAJ
ANALYZED ON : 15-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011597-1

DISSOLVED GASES IN WATER		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Methane	0.5 ppbw	< 0.5 ppbw
Ethane	0.5 ppbw	< 0.5 ppbw
Ethene	0.5 ppbw	< 0.5 ppbw

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DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-533-3
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323733
PROJECT : 93206 SDG:63471
DATE SAMPLED : 10-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : LAJ
ANALYZED ON : 15-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011597-1

DISSOLVED GASES IN WATER					
TEST REQUESTED	DETECTION LIMIT		RESULTS		
Methane	0.5	ppbw	<	0.5	ppbw
Ethane	0.5	ppbw	<	0.5	ppbw
Ethene	0.5	ppbw	<	0.5	ppbw

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DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-533-4
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323735
PROJECT : 93206 SDG:63471
DATE SAMPLED : 10-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : LAJ
ANALYZED ON : 15-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011597-1

DISSOLVED GASES IN WATER		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Methane	0.5 ppbw	< 0.5 ppbw
Ethane	0.5 ppbw	< 0.5 ppbw
Ethene	0.5 ppbw	< 0.5 ppbw

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DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-533-5
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323737
PROJECT : 93206 SDG:63471
DATE SAMPLED : 10-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : LAJ
ANALYZED ON : 15-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011597-1

DISSOLVED GASES IN WATER			
TEST REQUESTED	DETECTION LIMIT		RESULTS
Methane	0.5 ppbw		7.2 ppbw
Ethane	0.5 ppbw	<	0.5 ppbw
Ethene	0.5 ppbw	<	0.5 ppbw

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DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-533-6
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323792
PROJECT : 93206 SDG:63471
DATE SAMPLED : 11-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : LAJ
ANALYZED ON : 15-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011597-1

DISSOLVED GASES IN WATER		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Methane	0.5 ppbw	12.3 ppbw
Ethane	0.5 ppbw	< 0.5 ppbw
Ethene	0.5 ppbw	< 0.5 ppbw

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DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-533-7
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323794
PROJECT : 93206 SDG:63471
DATE SAMPLED : 11-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : LAJ
ANALYZED ON : 15-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011597-1

DISSOLVED GASES IN WATER					
TEST REQUESTED	DETECTION LIMIT		RESULTS		
Methane	0.5	ppbw		7.2	ppbw
Ethane	0.5	ppbw	<	0.5	ppbw
Ethene	0.5	ppbw	<	0.5	ppbw

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DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-533-8
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323796
PROJECT : 93206 SDG:63471
DATE SAMPLED : 11-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : LAJ
ANALYZED ON : 15-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011597-1

DISSOLVED GASES IN WATER			
TEST REQUESTED	DETECTION LIMIT		RESULTS
Methane	0.5 ppbw		172 ppbw
Ethane	25.0 ppbw	<	25.0 ppbw
Ethene	25.0 ppbw	<	25.0 ppbw

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DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-533-9
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : 323799
PROJECT : 93206 SDG:63471
DATE SAMPLED : 11-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : LAJ
ANALYZED ON : 15-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011597-1

DISSOLVED GASES IN WATER					
TEST REQUESTED	DETECTION LIMIT		RESULTS		
Methane	0.5	ppbw		311	ppbw
Ethane	25.0	ppbw	<	25.0	ppbw
Ethene	25.0	ppbw	<	25.0	ppbw

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DATE RECEIVED : 15-JAN-1997

REPORT NUMBER : D97-533-10
REPORT DATE : 16-JAN-1997

SAMPLE SUBMITTED BY : ITS/Burlington
ADDRESS : 55 South Park Dr.
: Colchester, VT 05446
ATTENTION : Chris Oulette

SAMPLE MATRIX : Water
ID MARKS : Method Blank
PROJECT : 93206 SDG:63471
DATE SAMPLED : 15-JAN-1997
ANALYSIS METHOD : RSK 175 /1
ANALYZED BY : LAJ
ANALYZED ON : 15-JAN-1997
METHOD FACTOR : 1
QC BATCH NO : F011597-1

DISSOLVED GASES IN WATER		
TEST REQUESTED	DETECTION LIMIT	RESULTS
Methane	0.5 ppbw	< 0.5 ppbw
Ethane	0.5 ppbw	< 0.5 ppbw
Ethene	0.5 ppbw	< 0.5 ppbw

Inchcape Testing Services
Environmental Laboratories

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QC SUMMARY

Inchcape Testing Services
Environmental Laboratories

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Tel. 972-238-5591
Fax 972-238-5592

REPORT DATE : 16-JAN-1997 REPORT NUMBER : D97-533

SAMPLE SUBMITTED BY : ITS/Burlington
ATTENTION : Chris Oulette
PROJECT : 93206 SDG:63471

LABORATORY QUALITY CONTROL REPORT

ANALYTE	Methane	Ethane
BATCH NO.	F011597-1	F011597-1
LCS LOT NO.	---	---
PREP METHOD	---	---
PREPARED BY	---	---
ANALYSIS METHOD	RSK 175	RSK 175
ANALYZED BY	LAJ	LAJ
UNITS	ppbw	ppbw
METHOD BLANK	< 0.5	< 0.5
SPIKE LEVEL	3.49	6.97
SPK REC LIMITS	70.0 - 130	70.0 - 130
SPK RPD LIMITS	30.0	30.0
MS RESULT	NA	NA
MS RECOVERY %	NA	NA
MSD RESULT	NA	NA
MSD RECOVERY %	NA	NA
MS/MSD RPD %	NA	NA
BS RESULT	3.47	6.80
BS RECOVERY %	99.4	97.6
BSD RESULT	3.50	7.31
BSD RECOVERY %	100	105
BS/BSD RPD %	0.86	7.23
DUP RPD LIMITS	---	---
DUPLICATE RPD %	NA	NA
LCS LEVEL	3.49	6.97
LCS REC LIMITS	70.0 - 130	70.0 - 130
LCS RESULT	SEE_BS	SEE_BS
LCS RECOVERY %	SEE_BS	SEE_BS
SPIKE SAMPLE ID	---	---
SAMPLE VALUE	---	---
DUP SAMPLE ID	---	---
DUP SAMPLE VAL/1	---	---
DUP SAMPLE VAL/2	---	---

NA Not applicable
SEE_BS LCS and LCS Duplicate reported as BS and BSD.

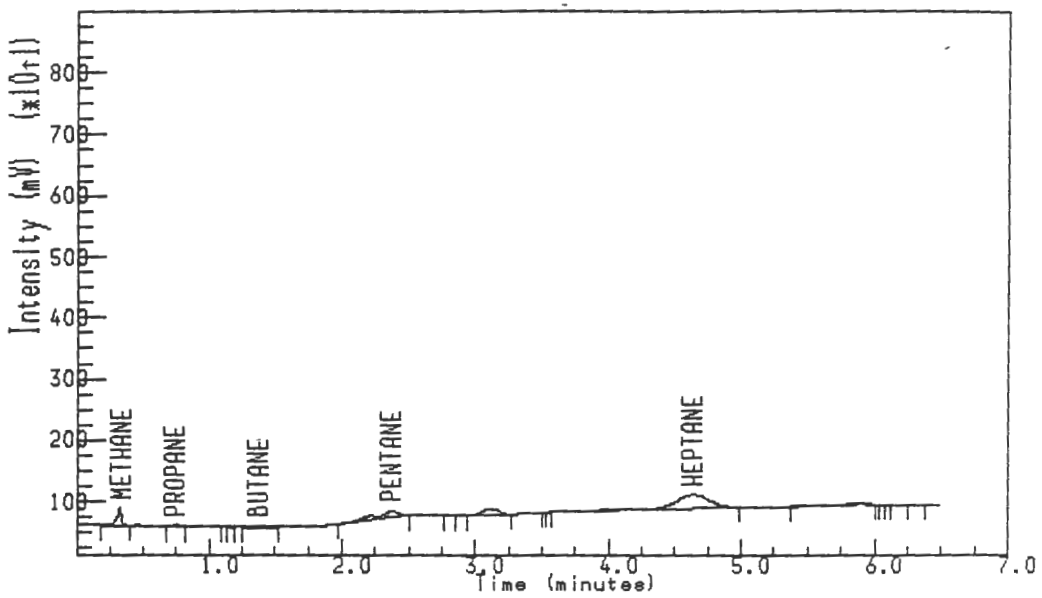
VOLATILES

D97-533

SAMPLES

Injection Report

Acquired on 15-JAN-1997 at 15:06



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 533-1 323729 0.5ML HS
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 4

PEAK INFORMATION

1.604 × 0.218 ÷ 1.0569 = 0.37 ppbw < DL

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.328	0.360	682095	1.60	METHANE < DL	425660.6563	0.0000
0.743	0.837	99456	0.09	PROPANE	1052308.1250	0.0000
1.370	1.646	118370	0.09	BUTANE	1274009.2500	0.0000
2.366	2.315	785941	0.56	PENTANE	1395023.1250	0.0000
4.632	4.788	3998391	2.47	HEPTANE	1616301.3750	0.0000

Totals		
Unknowns	1694534	N/A
Quantified	5684253	4.83
Grand Total	7378787	4.83

MISSING PEAKS

RT mins	Peak name
0.550	ETHANE
3.319	HEXANE

ANALYSIS SUMMARY

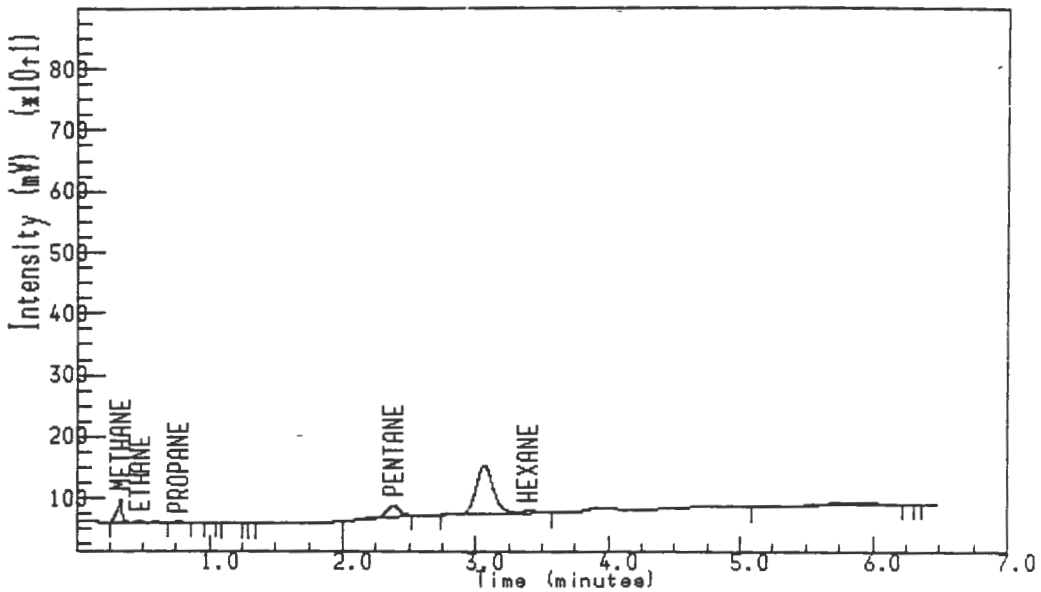
Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 12:37

Uncalibrated peaks use user factor (0.0000)

Reported on 15-JAN-1997 at 16:37
Modified on 15-JAN-1997 at 15:10

Injection Report

Acquired on 15-JAN-1997 at 15:25



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 533-2 HS 323731 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 8

0.115 ppmv

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.337	0.360	618893	1.45	METHANE < PL	425660.6563	0.0000
0.474	0.470	67557	0.09	ETHANE	750591.9375	0.0000
0.761	0.837	80156	0.08	PROPANE	1052308.1250	0.0000
2.381	2.315	1388609	1.00	PENTANE	1395023.1250	0.0000
3.394	3.319	464846	0.32	HEXANE	1457356.6250	0.0000

Totals		
Unknowns	8542459	N/A
Quantified	2620061	2.93
Grand Total	11162520	2.93

MISSING PEAKS

RT mins	Peak name
4.788	HEPTANE

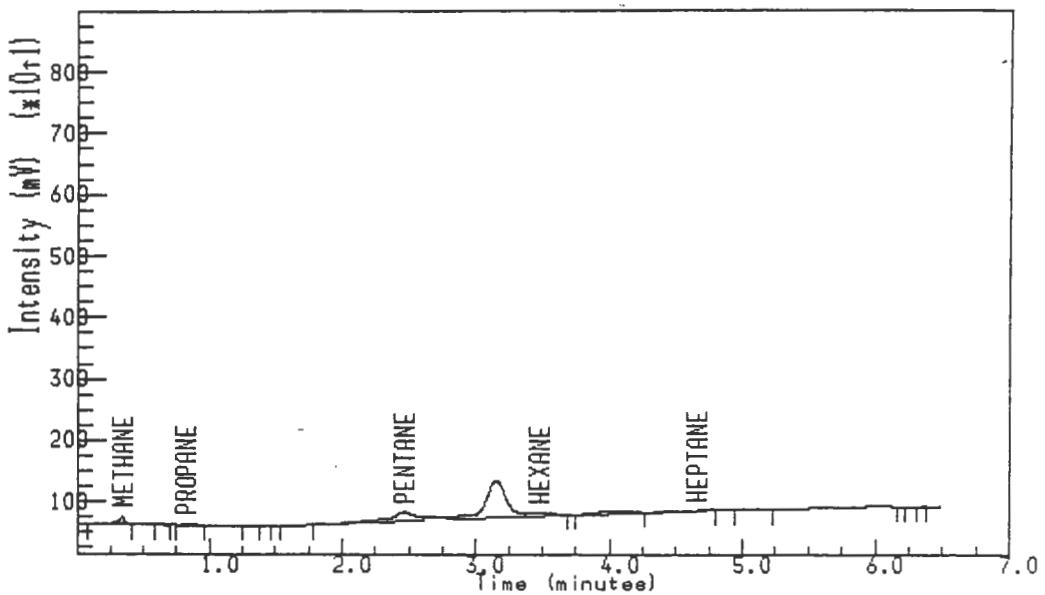
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 15:35

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JAN-1997 at 15:34



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 533-3 HS 323733 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 9

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.346	0.360	476919	1.12	METHANE	425660.6563	0.0000
0.830	0.837	68764	0.07	PROPANE	1052308.1250	0.0000
2.468	2.315	2183946	1.57	PENTANE	1395023.1250	0.0000
3.479	3.319	528032	0.36	HEXANE	1457356.6250	0.0000

Totals		
Unknowns	7588524	N/A
Quantified	3257660	3.11
Grand Total	10846183	3.11

MISSING PEAKS

RT mins	Peak name
0.470	ETHANE

ANALYSIS SUMMARY

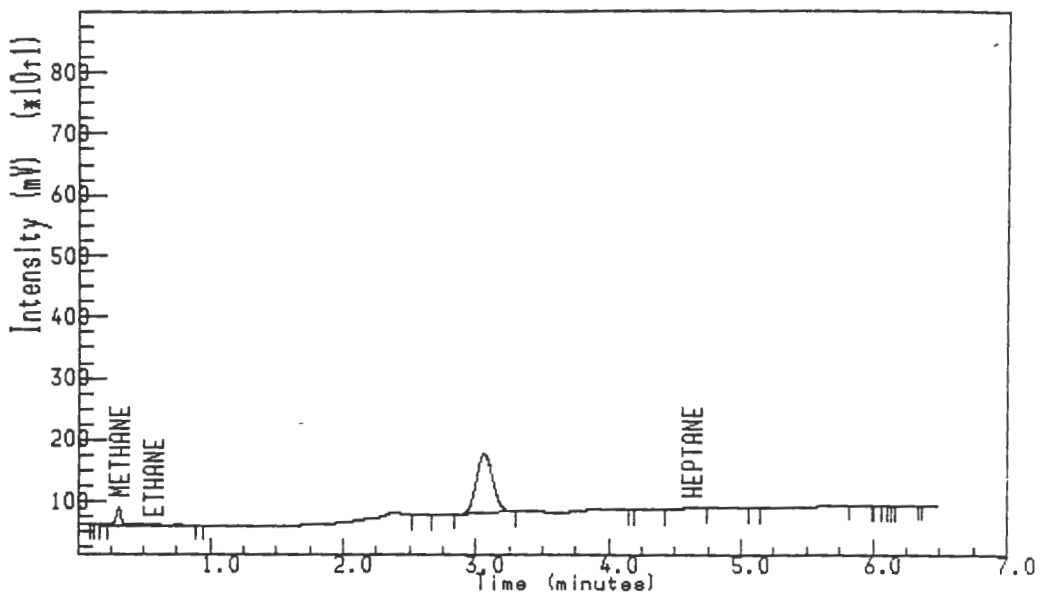
Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 15:35

Uncalibrated peaks use user factor (0.0000)

Reported on 15-JAN-1997 at 16:26
Modified on 15-JAN-1997 at 15:10

Injection Report

Acquired on 15-JAN-1997 at 15:18



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 533-4 HS 323735 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 7

011597

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.319	0.360	726421	1.71	METHANE < DL	425660.6563	0.0000

Totals

Unknowns	8686052	N/A
Quantified	726421	1.71
Grand Total	9412473	1.71

MISSING PEAKS

RT mins	Peak name
1.646	BUTANE
2.315	PENTANE
3.319	HEXANE

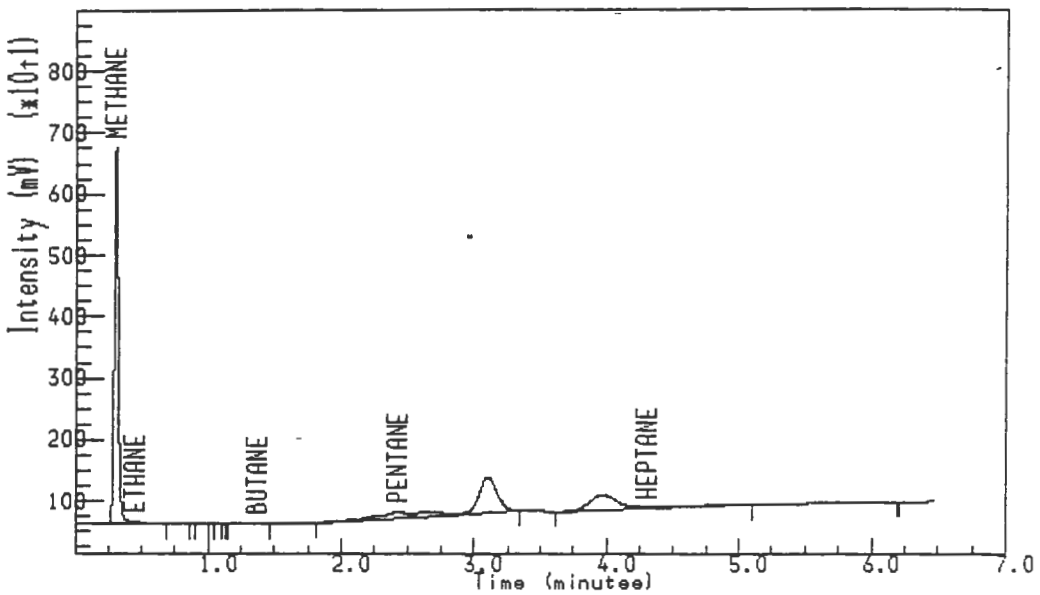
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 12:37

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JAN-1997 at 15:48



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 533-5 HS 323737 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 10

011597 J 45

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.312	0.360	13370782	31.41	METHANE * 0.718 * 1.0569 = 7.73 ppbv	425660.6563	0.0000
0.454	0.470	207749	0.28	ETHANE	750591.9375	0.0000
1.366	1.453	88756	0.07	BUTANE	1274009.2500	0.0000
2.421	2.315	1411959	1.01	PENTANE	1395023.1250	0.0000
4.297	4.788	557687	0.35	HEPTANE	1616301.3750	0.0000

Totals		
Unknowns	10274012	N/A
Quantified	15636933	33.12
Grand Total	25910946	33.12

MISSING PEAKS

RT mins	Peak name
3.319	HEXANE

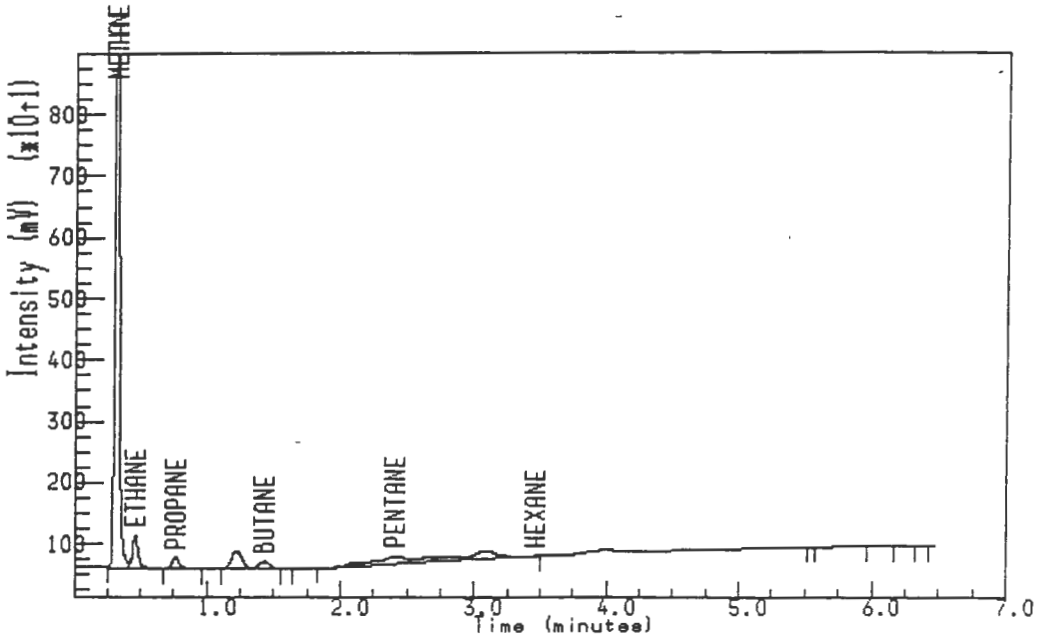
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 15:35

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JAN-1997 at 15:57



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 533-6 HS 323792 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 11

PEAK INFORMATION

011597 SS

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.321	0.360	22683800	53.29	METHANE * 0.218 * 1.0569 = 12.3 ppbw	425660.6563	0.0000
0.466	0.470	1572037	2.09	ETHANE	750591.9375	0.0000
0.768	0.837	707998	0.67	PROPANE	1052308.1250	0.0000
1.428	1.453	776530	0.61	BUTANE	1274009.2500	0.0000
2.403	2.315	1794950	1.29	PENTANE	1395023.1250	0.0000

Totals		
Unknowns	5557071	N/A
Quantified	27535314	57.95
Grand Total	33092384	57.95

MISSING PEAKS

RT mins	Peak name
4.788	HEPTANE

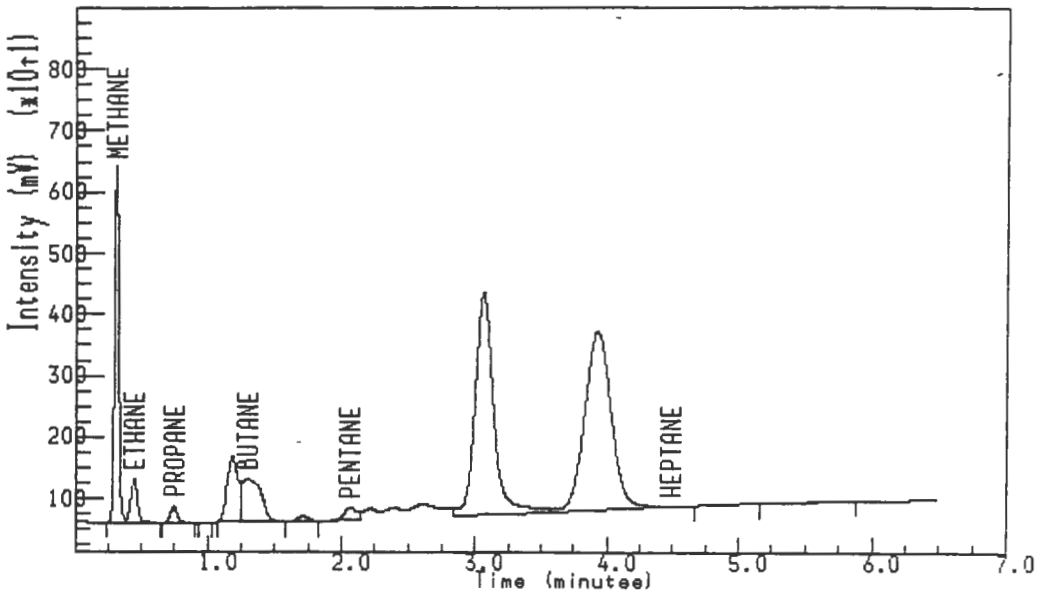
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 15:35

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JAN-1997 at 16:15



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 533-7 HS 323794 0.5ML
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 13

011597 43

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.317	0.360	13211371	31.04	METHANE # 0.218 + 1.0569 = 7.15 ppmv	425660.6563	0.0000
0.452	0.470	2483092	3.31	ETHANE	750591.9375	0.0000
0.748	0.837	1002164	0.95	PROPANE	1052308.1250	0.0000
1.297	1.453	6904341	5.42	BUTANE	1274009.2500	0.0000
2.070	2.315	1386131	0.99	PENTANE	1395023.1250	0.0000
4.490	4.788	78130	0.05	HEPTANE	1616301.3750	0.0000

Totals		
Unknowns	82289624	N/A
Quantified	25065228	41.76
Grand Total	107354856	41.76

MISSING PEAKS

RT mins	Peak name
3.319	HEXANE

ANALYSIS SUMMARY

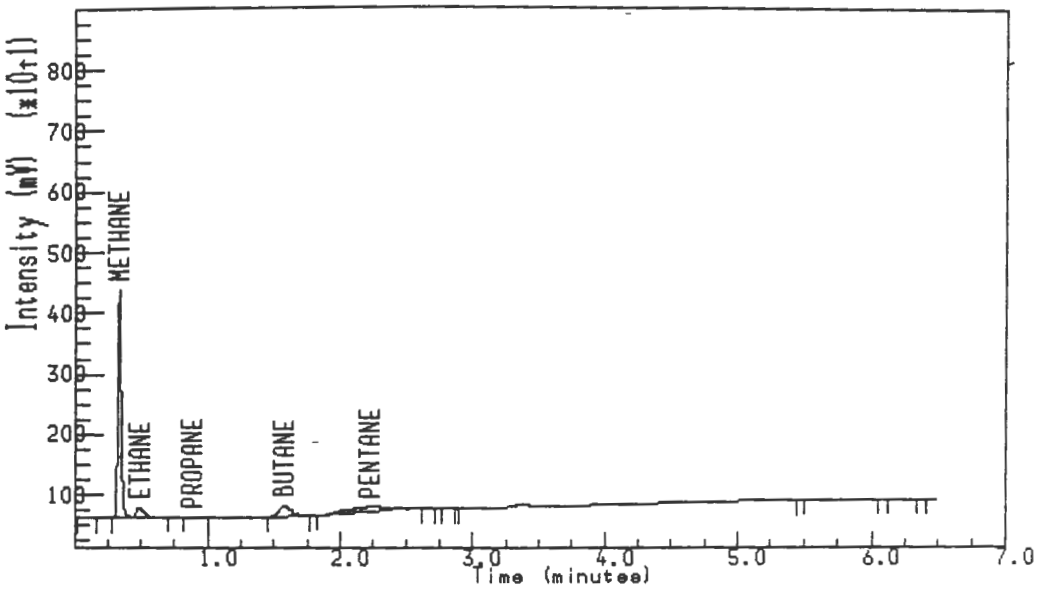
Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 15:35

Uncalibrated peaks use user factor (0.0000)

[011397] 41 C1-C6011597,17,1
Reported on 15-JAN-1997 at 17:01
Modified on 15-JAN-1997 at 15:10

Injection Report

Acquired on 15-JAN-1997 at 16:42



nchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
ims Id :
omment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 538-8 HS 323976 0.01ML
ample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 17

011597

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.341	0.360	6357244	746.75	METHANE	425660.6563	0.0000
0.488	0.470	580747	38.69	ETHANE	750591.9375	0.0000
1.581	1.453	1063034	41.72	BUTANE	1274009.2500	0.0000
2.230	2.315	1734703	62.17	PENTANE	1395023.1250	0.0000

746.75 * 0.218 * 1.0569 = 172 ppbv

Totals		
knowns	127979	N/A
antified	9735726	889.33
Grand Total	9863705	889.33

MISSING PEAKS

RT mins	Peak name
3.319	HEXANE
4.788	HEPTANE

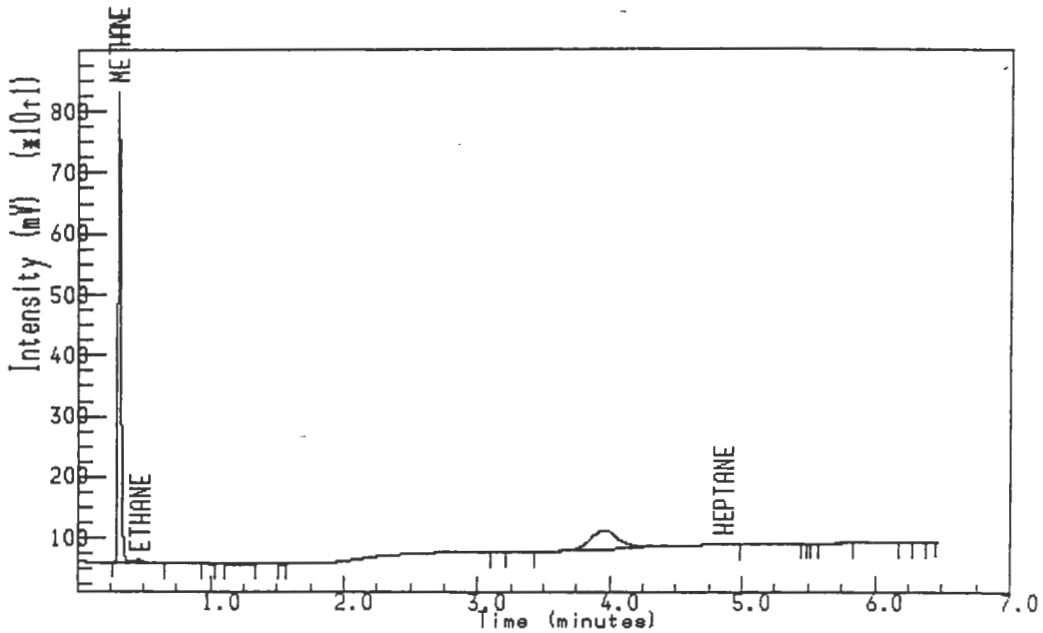
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 16:36

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JAN-1997 at 16:50



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 533-9 HS 323799 0.010
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 18

PEAK INFORMATION

011597SS

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.321	0.360	11500887	1350.95	METHANE * 0.118 * 1.0569 = 311 ppmv	425660.6563	0.0000
0.472	0.470	229839	15.31	ETHANE	750591.9375	0.0000

Totals		
Unknowns	4786426	N/A
Quantified	11730726	1366.26
Grand Total	16517152	1366.26

MISSING PEAKS

RT mins	Peak name
2.315	PENTANE

ANALYSIS SUMMARY

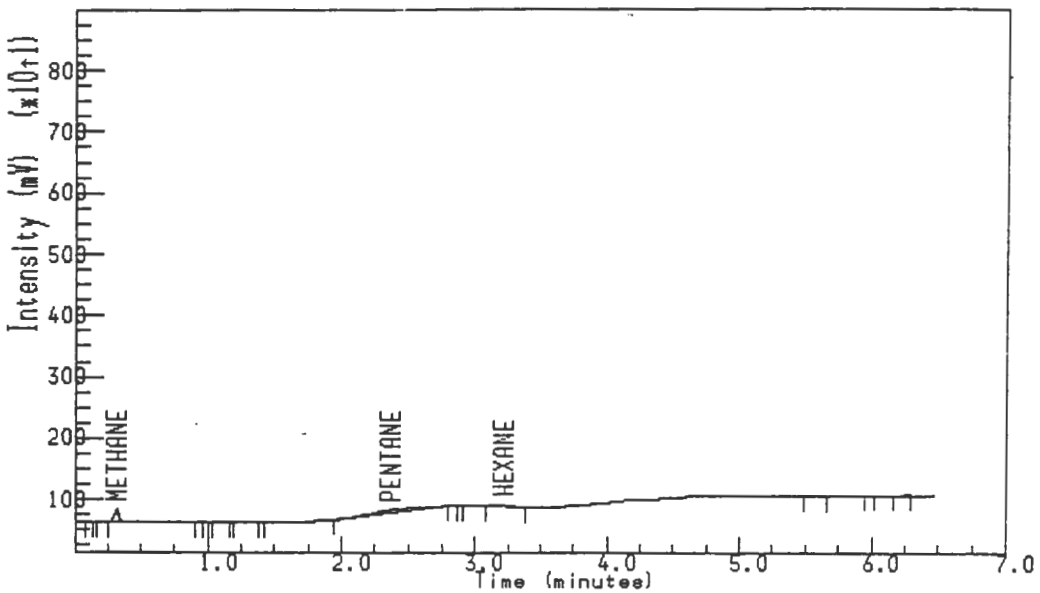
Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 16:36

Uncalibrated peaks use user factor (0.0000)

QUALITY CONTROL DATA

Injection Report

Acquired on 15-JAN-1997 at 14:38



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : BLK
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 4

011597

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.326	0.360	551576	1.30	METHANE	425660.6563	0.0000
2.361	2.315	1408457	1.01	PENTANE	1395023.1250	0.0000
3.217	3.319	134625	0.09	HEXANE	1457356.6250	0.0000

Totals		
Unknowns	96830	N/A
Quantified	2094658	2.40
Grand Total	2191488	2.40

MISSING PEAKS

RT mins	Peak name
0.550	ETHANE
4.788	HEPTANE

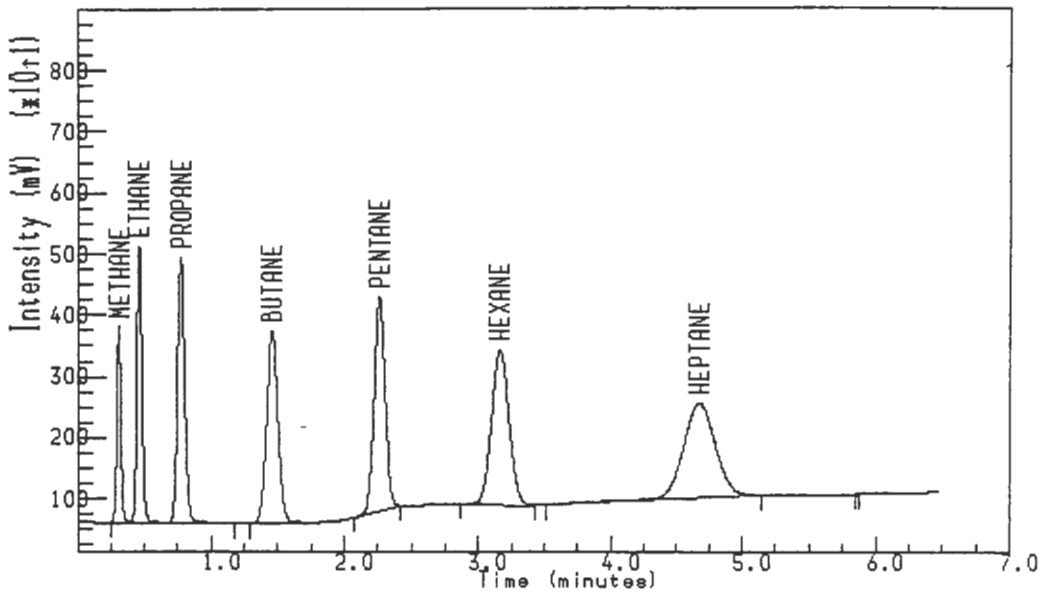
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 12:37

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JAN-1997 at 14:46



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : LCS 16.0PPB SCOTT MIX243
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 4

011597 LAJ

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.317	0.360	6769718	15.90	METHANE * 0.218 = 3.47 ppbW	425660.6563	0.0000
0.468	0.470	11706640	15.60	ETHANE * 0.218 * 2 = 6.80 "	750591.9375	0.0000
0.779	0.837	16192883	15.39	PROPANE	1052308.1250	0.0000
1.463	1.453	18421096	14.46	BUTANE	1274009.2500	0.0000
2.266	2.315	19897266	14.26	PENTANE	1395023.1250	0.0000
3.166	3.319	23068362	15.83	HEXANE	1457356.6250	0.0000
4.672	4.788	27338130	16.91	HEPTANE	1616301.3750	0.0000

Totals		
Unknowns	4735	N/A
Quantified	123394088	108.35

Grand Total	123398824	108.35

MISSING PEAKS

No missing peaks.

ANALYSIS SUMMARY

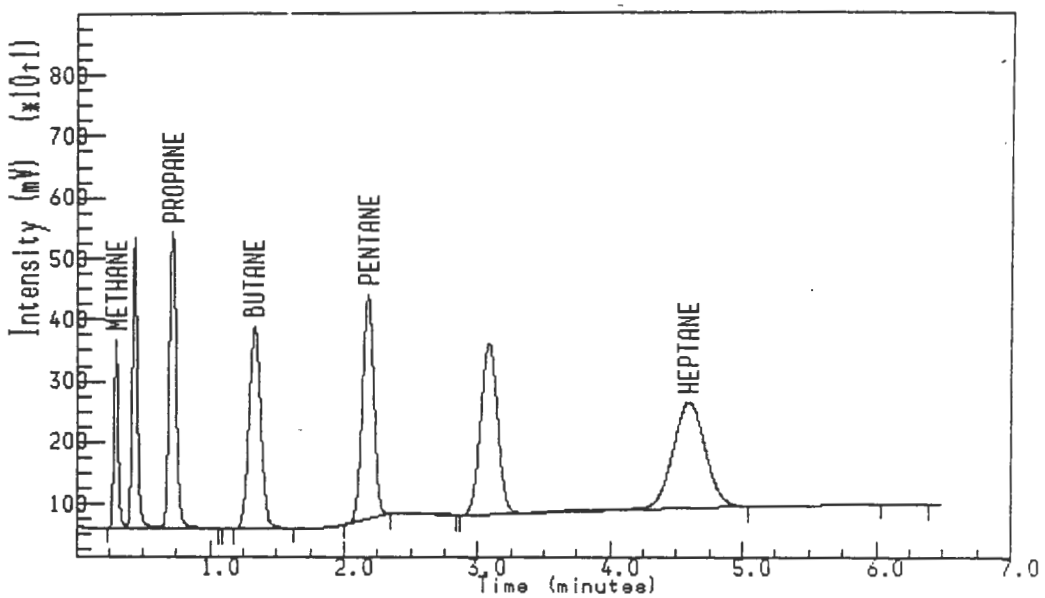
Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 15:35

Uncalibrated peaks use user factor (0.0000)

Reported on 15-JAN-1997 at 16:26
Modified on 15-JAN-1997 at 15:10

Injection Report

Acquired on 15-JAN-1997 at 14:56



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : LCSD
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 4

0115974

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.303	0.360	6843692	16.08	METHANE * 0.218 = 3.50 ppbw	425660.6563	0.0000
0.721	0.837	17637584	16.76	PROPANE * 0.2182 = 7.31	1052308.1250	0.0000
1.337	1.646	20369982	15.99	BUTANE	1274009.2500	0.0000
2.177	2.315	21665628	15.53	PENTANE	1395023.1250	0.0000
4.592	4.788	30131552	18.64	HEPTANE	1616301.3750	0.0000

Totals		
Unknowns	37573188	N/A
Quantified	96648440	83.00
Grand Total	134221632	83.00

CALIBRATION DATA

List Calibration File

CALIBRATION HEADER INFORMATION

Calibration Title : Light Hydrocarbon C1-C6 By GC/FID
General :
- Calibration type..... External standard
- Units..... PPMV
- Calibration base..... Area

Reference Peak Identification :
- Reference window..... 5.0 %
- Minimum window..... 0.50 mins
- Peak threshold..... 0.0 %

Uncalibrated Peaks Response Factor :
- Response factor source..... User set response factor
- Response factor..... 0.0000

Additional Information :
- Source library..... None
- Variation tolerance..... 100.00 %

Calibrant Peak Identification :
- Calibrant window..... 0.20 mins
- Calibrant threshold..... 0.0 %

User Parameter Text :
- Parameter name..... FID C1-C6

Response Factor Calibration Curve :
- Curve fit..... Linear
- Force through zero..... Yes
- X transformation..... None
- Y transformation..... None
- Weighting..... None

Retention Value Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None
- RV Calculation Mode..... Use Actual Retention Times

Timed Calibration Curve :
- Curve fit..... Linear
- Force through zero..... No
- X transformation..... None
- Y transformation..... None
- Weighting..... None

No group information entered.

[102896] 41 FID1029
Reported on 16-JAN-1997 at 10:21
Modified on 16-JAN-1997 at 10:21

Peak name : **METHANE**
Expected retention time : 0.35 mins (RT range : 0.25 - 0.45 mins)

Peak window mode	Local
Local window	0.20 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	518415.2188	1
L2	16.0000	486006.6875	1
L3	32.0000	421665.5938	1

FID C1-C6 ..... 1.0000

Peak name : **ETHANE**
Expected retention time : 0.50 mins (RT range : 0.40 - 0.60 mins)

Peak window mode	Local
Local window	0.20 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	829502.1875	1
L2	16.0000	751231.3125	1
L3	32.0000	750361.8750	1

FID C1-C6 ..... 1.0000

Peak name : **PROPANE**
Expected retention time : 0.87 mins (RT range : 0.62 - 1.12 mins)

Peak window mode	Local
Local window	0.50 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration Standard Response Calibration

vel	amount	factor	count
L1	3.2000	1182736.0000	1
L2	16.0000	1159146.3750	1
L3	32.0000	1045316.5625	1
FID C1-C6		..... 1.0000	

Peak name : **BUTANE**
Expected retention time : 1.57 mins (RT range : 1.17 - 1.97 mins)
Peak window mode..... Local
Local window..... 0.80 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	1546638.1250	1
L2	16.0000	1393363.1250	1
L3	32.0000	1265893.0000	1
FID C1-C6		..... 1.0000	

Peak name : **PENTANE**
Expected retention time : 2.40 mins (RT range : 2.15 - 2.65 mins)
Peak window mode..... Local
Local window..... 0.50 mins
Group name identifier..... ----
Peak identification mode..... Nearest
Must peak..... No
Reference peak..... No
Dilution peak..... No
Retention standard..... No
Response factor mode..... Internal Levels
Purity..... 100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	1690874.2500	1
L2	16.0000	1695303.6250	1
L3	32.0000	1375542.8750	1
FID C1-C6		..... 1.0000	

Peak name : **HEXANE**
Expected retention time : 3.25 mins (RT range : 2.75 - 3.75 mins)

Peak window mode	Local
Local window	1.00 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	1914144.8750	1
L2	16.0000	1835173.3750	1
L3	32.0000	1432642.7500	1
FID C1-C6		1.0000	

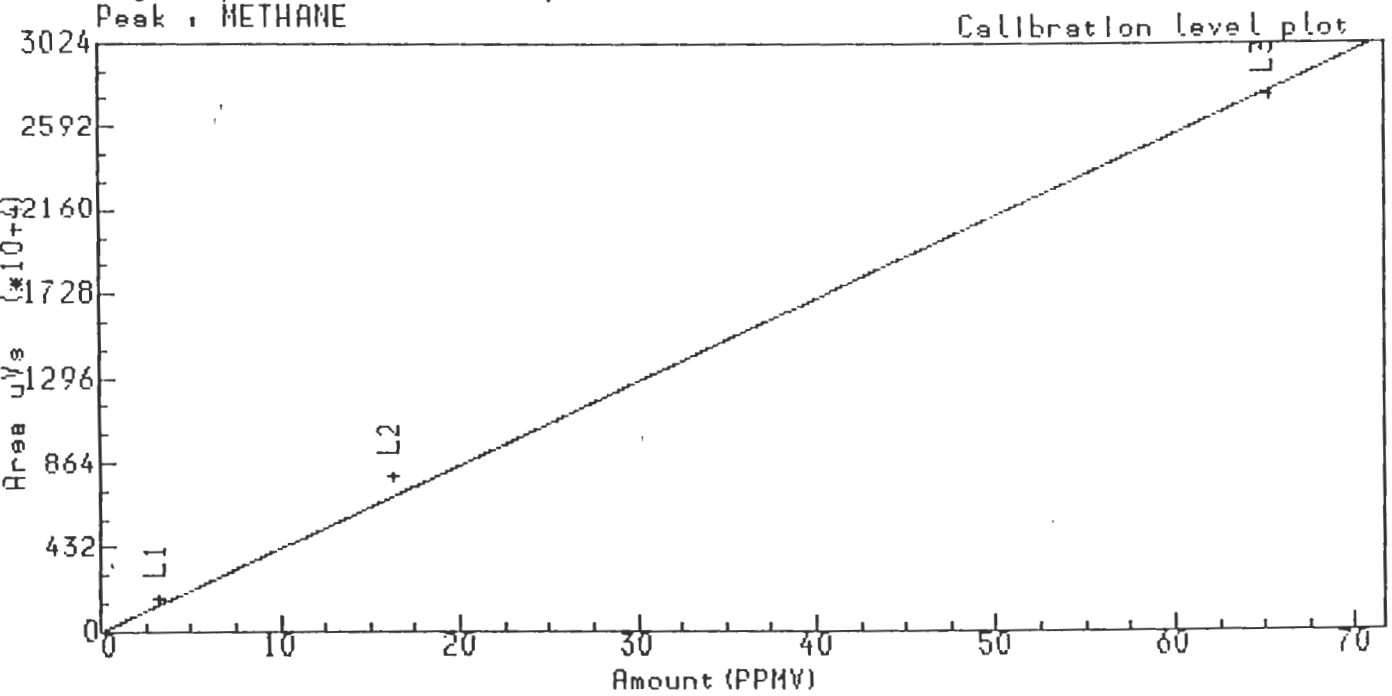
Peak name : **HEPTANE**
Expected retention time : 4.71 mins (RT range : 4.21 - 5.21 mins)

Peak window mode	Local
Local window	1.00 mins
Group name identifier	----
Peak identification mode	Nearest
Must peak	No
Reference peak	No
Dilution peak	No
Retention standard	No
Response factor mode	Internal Levels
Purity	100.0000

Calibration level	Standard amount	Response factor	Calibration count
L1	3.2000	1971788.6250	1
L2	16.0000	1574728.2500	1
L3	32.0000	1618043.3750	1
FID C1-C6		1.0000	

nchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : METHANE



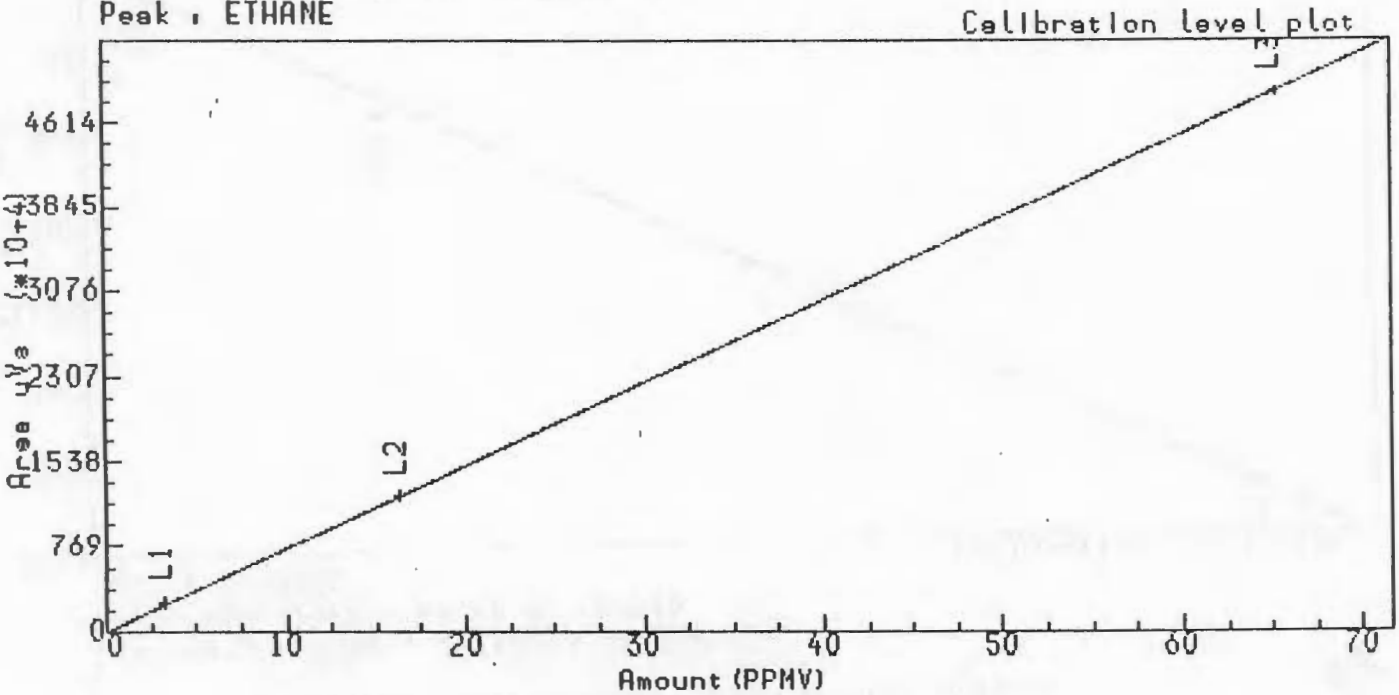
Constant : 0.00000
1st degree : 4.25661E+5

Curve fit : Linear thro' zero
Coeff of determination : 0.99765
Standard error : 7.49498E+5

Reported on 15-JAN-1997 at 12:38

Inchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : ETHANE

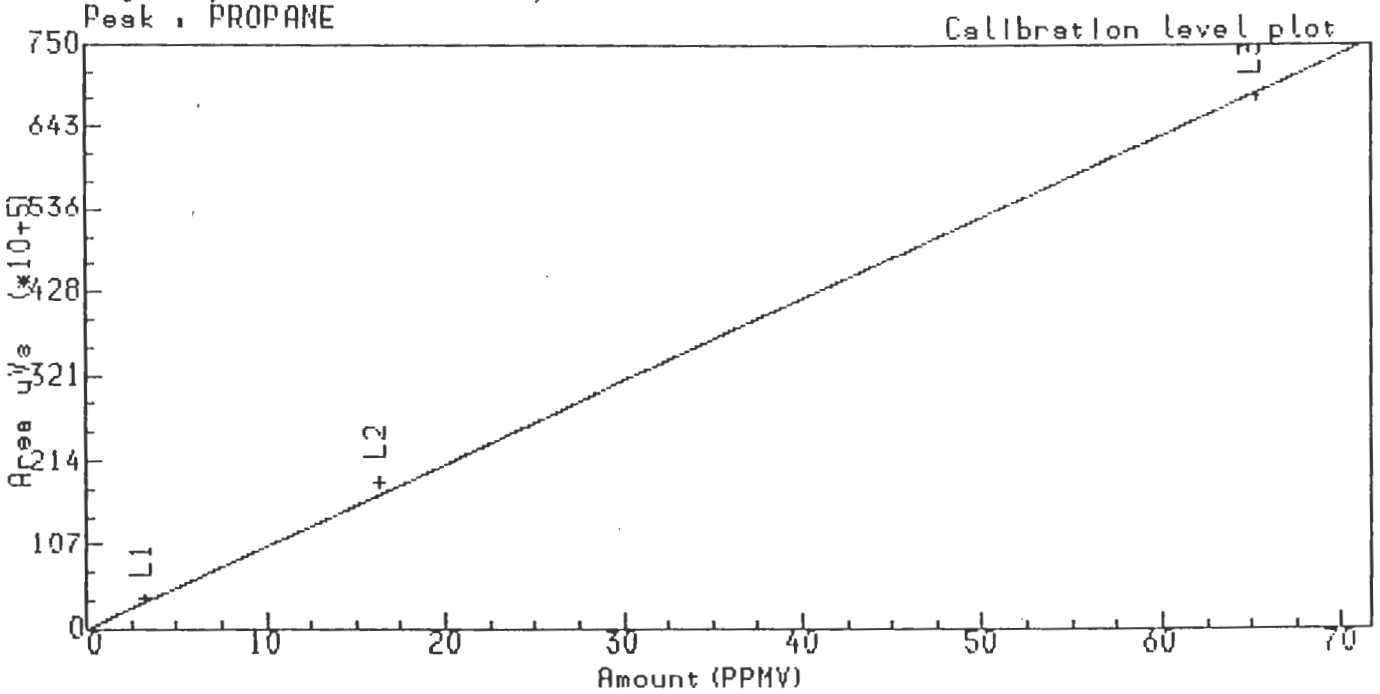


Constant	: 0.00000	Curve fit	: Linear thro' zero
1st degree	: 7.50592E+5	Coeff of determination	: 0.99996
		Standard error	: 1.79020E+5

Reported on 15-JAN-1997 at 12:38

Inchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : PROPANE

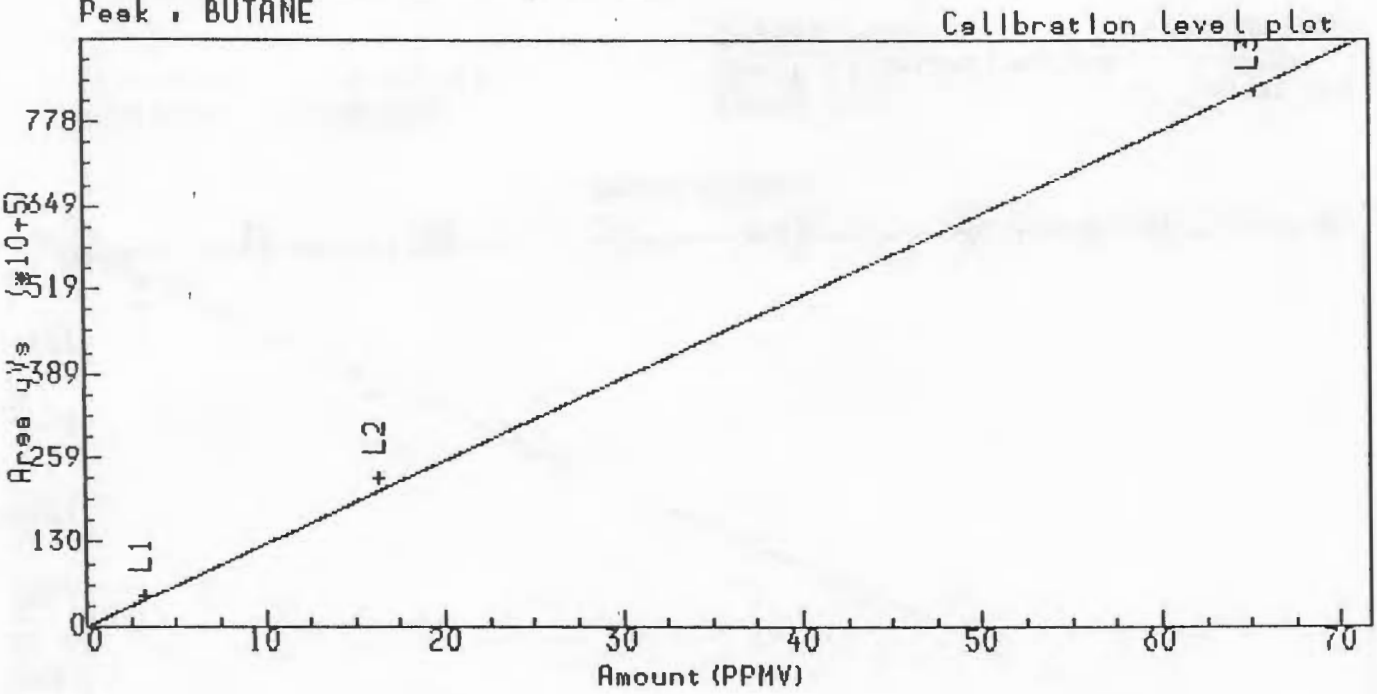


Constant	: 0.00000	Curve fit	: Linear thro' zero
1st degree	: 1.05231E+6	Coeff of determination	: 0.99884
		Standard error	: 1.30665E+6

Reported on 15-JAN-1997 at 12:38

Inchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : BUTANE

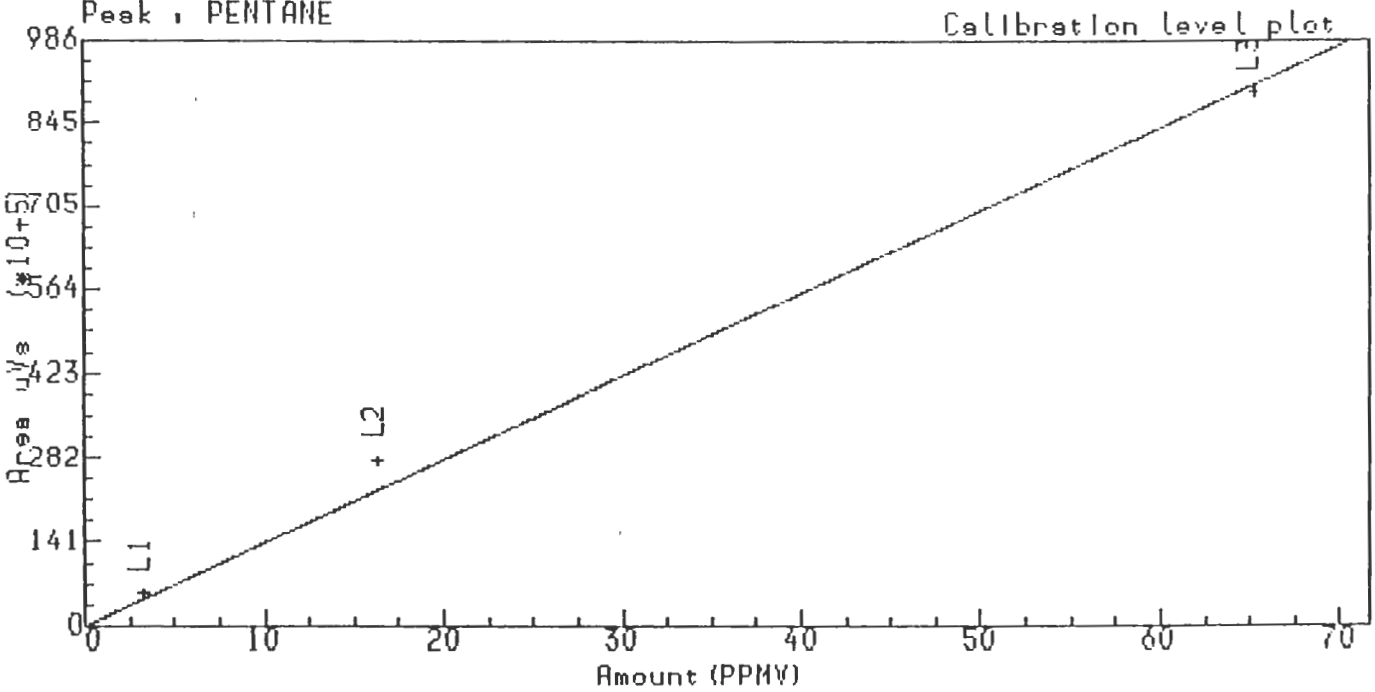


Constant	: 0.00000	Curve fit	: Linear thro' zero
1st degree	: 1.27401E+6	Coeff of determination	: 0.99888
		Standard error	: 1.55338E+6

Reported on 15-JAN-1997 at 12.39

Inchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : PENTANE

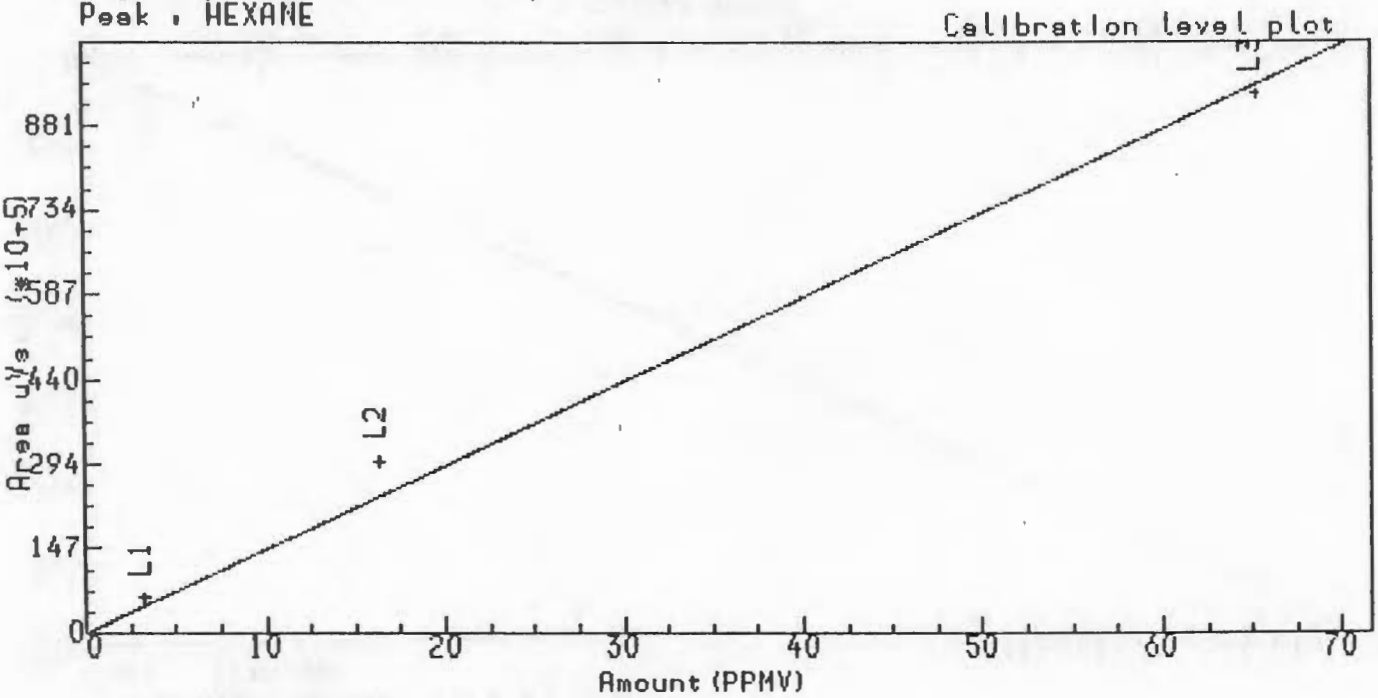


Constant	: 0.00000	Curve fit	: Linear thro' zero
1st degree	: 1.39502E+6	Coeff of determination	: 0.99478
		Standard error	: 3.63774E+6

Reported on 15-JAN-1997 at 12:39

Inchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : HEXANE

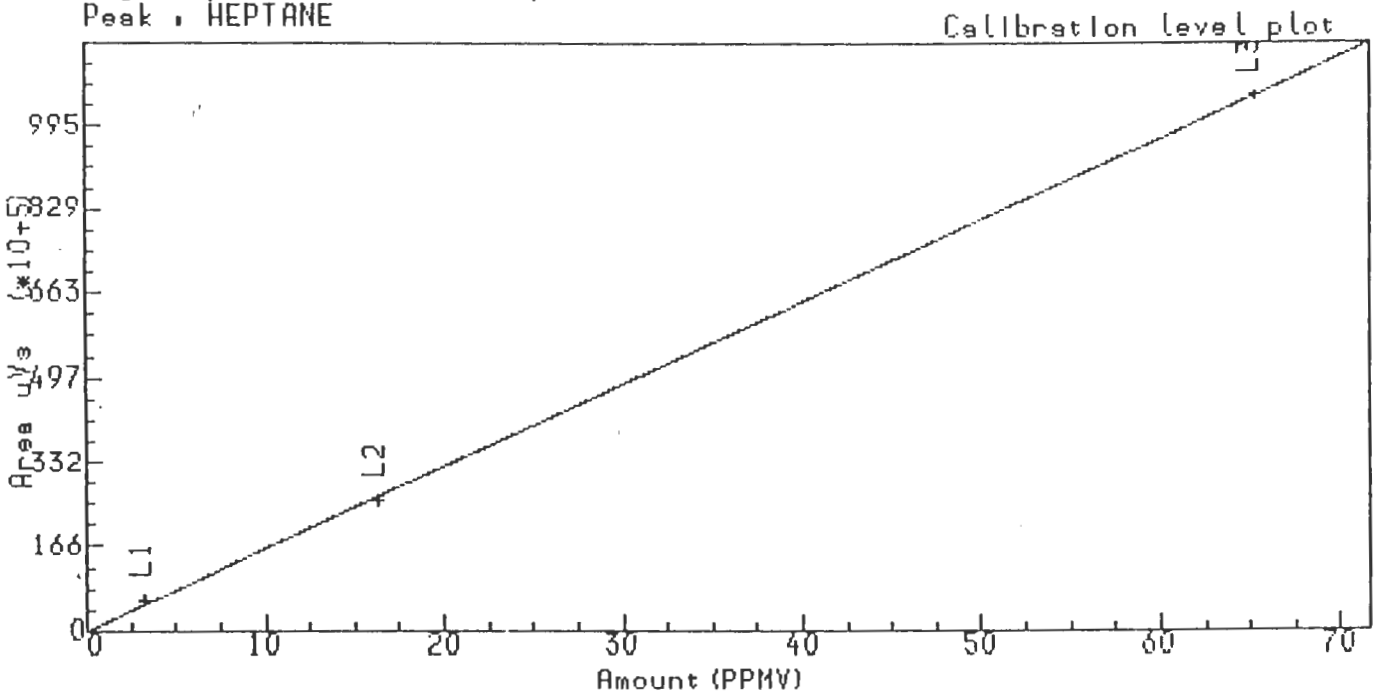


Constant	: 0.00000	Curve fit	: Linear thro' zero
1st degree	: 1.45736E+6	Coeff of determination	: 0.99220
		Standard error	: 4.61839E+6

Reported on 15-JAN-1997 at 12.39

Inchcape Testing Services Environmental Laboratories -Dallas

Calibration Name : [011397] 41 FID1029.
Light Hydrocarbon C1-C6 By GC/FID
Peak : HEPTANE



Constant : 0.00000
1st degree : 1.61630E+6

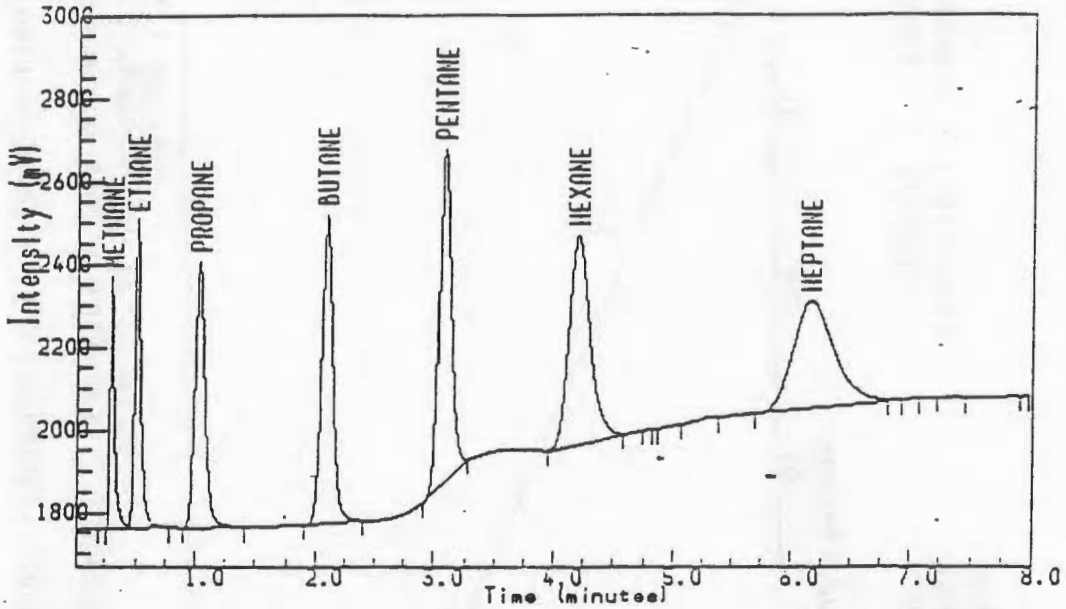
Curve fit : Linear thro' zero
Coeff of determination : 0.99975
Standard error : 9.39718E+5

Reported on 15-JAN-1997 at 12:39

[0071596] 41 C1-C6071596,10,1
Reported on 15-JUL-1996 at 14:14
Modified on 15-JUL-1996 at 13:42

Injection Report

Acquired on 15-JUL-1996 at 12:17



Inchcape Testing Services - Dallas

Data Set Name : LWU/GD
Vial Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 3.20 PPM SCOTT MIX 243
Sample Id :
Sample Type : Standard Amount=1.00000
Bottle No : 4

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.297	0.300	1658929	4.08	METHANE	406600.9688	0.0000
0.510	0.460	2654407	3.40	ETHANE	779827.4375	0.0000
1.032	0.960	3784755	3.46	PROPANE	1093280.0000	0.0000
2.097	2.000	4949242	4.17	BUTANE	1188272.6250	0.0000
3.079	2.930	5410798	4.04	PENTANE	1338474.3750	0.0000
4.197	3.970	6125264	3.82	HEXANE	1605122.0000	0.0000
6.166	6.173	6309724	3.68	HEPTANE	1713622.1250	0.0000

Totals		
Unknowns	94379	N/A
Quantified	30893120	26.65

tal 30987498 26.65

MISSING PEAKS

No missing peaks.

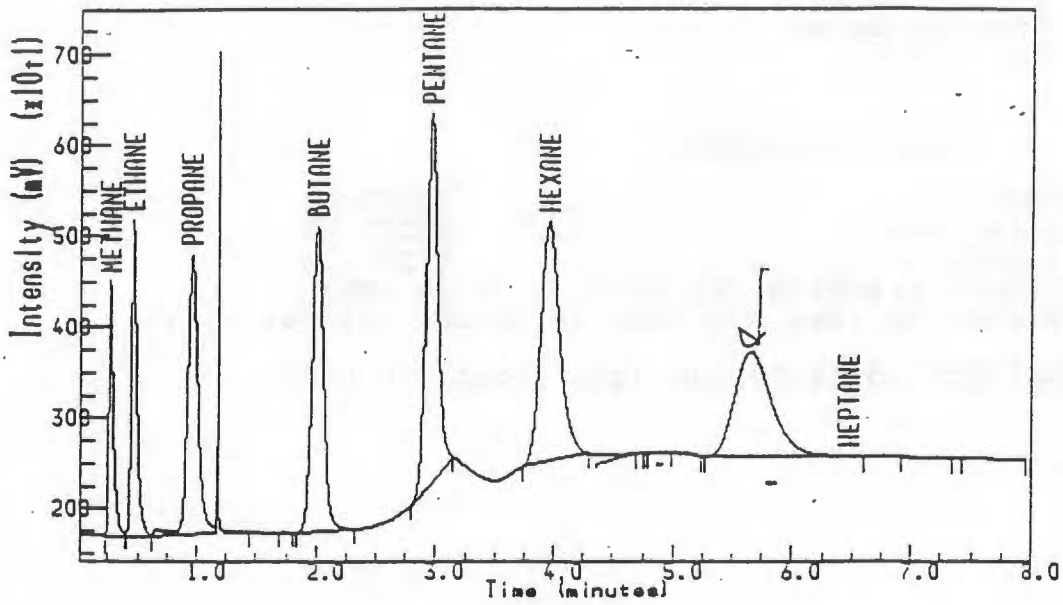
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID0715
External standard calibration using area
Calibration last modified on 15-JUL-1996 at 13:42

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JUL-1996 at 09:40



Inchcape Testing Services - Dallas

Analyst Name : LWU/GD
Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 16.0 PPM SCOTT MIX 243
Sample Id :
Sample Type : Standard Amount=1.00000
Bottle No : 4

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.266	0.300	7776107	19.12	METHANE	406600.9688	0.0000
0.463	0.460	12019701	15.41	ETHANE	779827.4375	0.0000
0.966	0.960	18546342	16.96	PROPANE	1093280.0000	0.0000
2.010	2.000	22293810	18.76	BUTANE	1188272.6250	0.0000
2.961	2.930	27124858	20.27	PENTANE	1338474.3750	0.0000
3.954	3.970	29362774	18.29	HEXANE	1605122.0000	0.0000

Totals		
Unknowns	27116832	N/A
Quantified	117123600	108.82
Grand Total	144240432	108.82

MISSING PEAKS

No missing peaks.

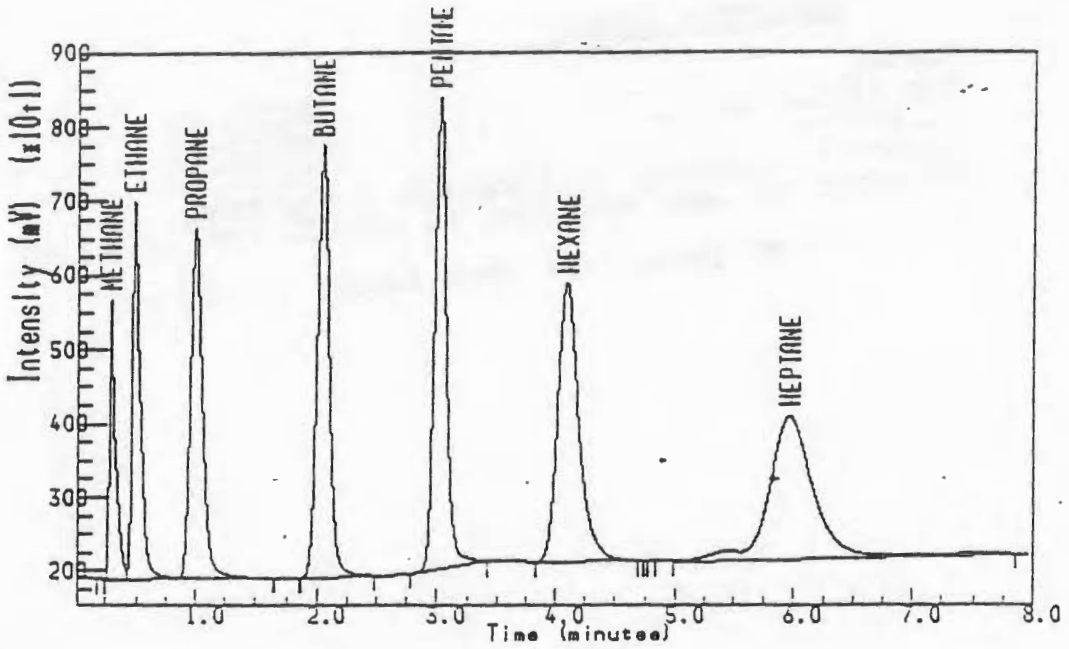
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID0715
External standard calibration using area
Calibration last modified on 15-JUL-1996 at 13:42

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JUL-1996 at 12:34



Inchcape Testing Services - Dallas

Analyst Name : LWU/GD
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 32.0 PPM SCOTT MIX 243
Sample Id :
Sample Type : Standard Amount=1.00000
Bottle No : 4

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.286	0.300	13493299	33.19	METHANE	406600.9688	0.0000
0.483	0.460	24011580	30.79	ETHANE	779827.4375	0.0000
0.997	0.960	33450130	30.60	PROPANE	1093280.0000	0.0000
2.046	2.000	40508576	34.09	BUTANE	1188272.6250	0.0000
3.021	2.930	44017372	32.89	PENTANE	1338474.3750	0.0000
4.097	3.970	45844568	28.56	HEXANE	1605122.0000	0.0000
5.959	6.173	51777388	30.22	HEPTANE	1713622.1250	0.0000

Totals		
Unknowns	214509	N/A
Quantified	253102928	220.33

an tal 253317440 220.33

MISSING PEAKS

No missing peaks.

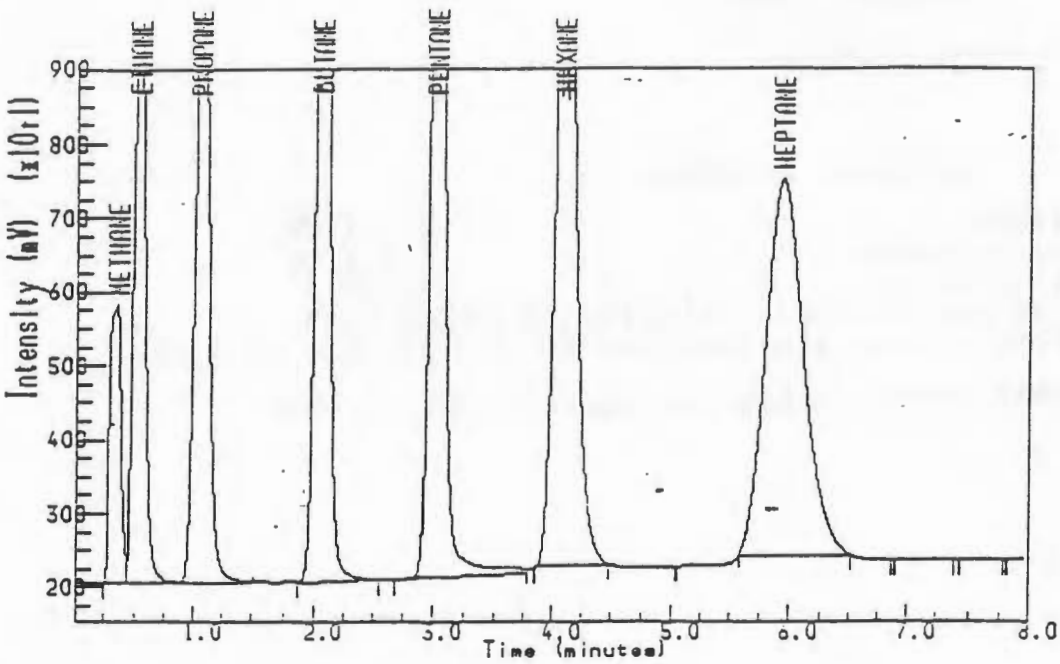
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID0715
External standard calibration using area
Calibration last modified on 15-JUL-1996 at 13:42

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JUL-1996 at 12:47



Inchcape Testing Services - Dallas

System Name	: LWU/GD
Runs Id	:
Comment	: C1-C6 BY GC/FID
Method Title	: LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name	: 64 PPM SCOTT MIX 243
Sample Id	:
Sample Type	: Standard Amount=1.00000
Bottle No	: 4

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.359	0.300	25445914	62.58	METHANE	406600.9688	0.0000
0.543	0.460	50486844	64.74	ETHANE	779827.4375	0.0000
1.063	0.960	70459560	64.45	PROPANE	1093280.0000	0.0000
2.061	2.000	73929824	62.22	BUTANE	1188272.6250	0.0000
3.014	2.930	83585568	62.45	PENTANE	1338474.3750	0.0000
4.088	3.970	104517824	65.12	HEXANE	1605122.0000	0.0000
5.932	6.173	111715344	65.19	HEPTANE	1713622.1250	0.0000

Totals		
Unknowns	45193	N/A
Quantified	520140896	446.74
Grand Total	520186080	446.74

MISSING PEAKS

No missing peaks.

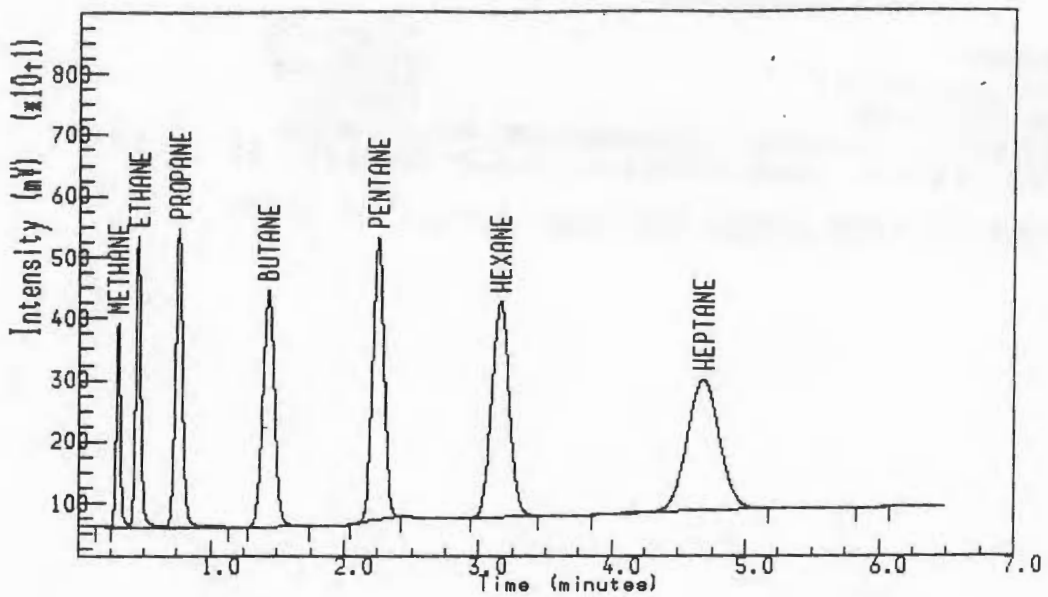
ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID0715
External standard calibration using area
Calibration last modified on 15-JUL-1996 at 16:39

Uncalibrated peaks use user factor (0.0000)

Injection Report

Acquired on 15-JAN-1997 at 14:25



Inchcape Testing Services Environmental Laboratories -Dallas

Analyst Name : S_SHE/LAJ
Lims Id :
Comment : C1-C6 BY GC/FID
Method Title : LIGHT HYDROCARBON C1-C6 VARIAN3700
Sample Name : 16.0 PPM SCOTT MIX 243 /CCC
Sample Id :
Sample Type : Sample Amount=1.00000
Bottle No : 4

0115971 53

PEAK INFORMATION

RT mins	RT Exp	Area uVs	PPMV	Peak name	RF slope	RF intercept
0.312	0.360	7148267	16.79	METHANE	425660.6563	0.0000
0.461	0.470	12574023	16.75	ETHANE	750591.9375	0.0000
0.763	0.837	18250632	17.34	PROPANE	1052308.1250	0.0000
1.434	1.453	23256952	18.25	BUTANE	1274009.2500	0.0000
2.252	2.315	26597912	19.07	PENTANE	1395023.1250	0.0000
3.159	3.319	31678548	21.74	HEXANE	1457356.6250	0.0000
4.683	4.788	35934452	22.23	HEPTANE	1616301.3750	0.0000

Diff C
4.93 C
4.69 C

Totals

Unknowns	34676	N/A
Quantified	155440800	132.18

Grand Total	155475472	132.18

MISSING PEAKS

No missing peaks.

ANALYSIS SUMMARY

Method..... FIDC1-C6
Run sequence..... FIDC1-C6
Calibration..... FID1029
External standard calibration using area
Calibration last modified on 15-JAN-1997 at 12:37

Uncalibrated peaks use user factor (0.0000)

Inchcape Testing Services
Environmental Laboratories

PREPARATION AND ANALYSIS LOGS

GC/MS AIR SUMMARY LOG

DATE: 07/15/96
ANALYST: SS/GD
INST. ID.: GC/FID ~~HP~~ Varian 3600
BATCH(S):
METHOD(S): 071596-1
MATRIX: GC/FID
SUBLIST(S): Air
BAROMETER:

STANDARDS
TO-14
TO-1/2
GAS/TPH
OTHER

DATA FILE	ALS #	SAMPLE ID	SAMPLE DESCRIPTION	CAN #	IP (PSI)	FP (PSI)	CAN DF.	INJ VOL (ml)	DF
>071596-1		STD	Calibration ~~ppm~~ 3.2 ppm ~~Scott 243~~ Scott Mix 243	✓	✓	✓	✓	0.1	1
>071596-2		STD	16.0 ppm Scott Mix 243	✓	✓	✓	✓	0.5	1
>071596-3		STD	32.0 ppm Scott Mix 243	✓	✓	✓	✓	1.0	1
>071596-4		std	64.0 ppm Scott Mix 243	✓	✓	✓	✓	2.0	1
> -5		STD	0.5 ml = 16ppm	✓	✓	✓	✓	0.5	1
> -6		STD	~~0.5 ml = 16ppm~~ 32 ppm 7-13-96 SS	✓	✓	✓	✓	1.0	1
> -7		STD	~~Scott Mix 243~~ 16.0 ppm	✓	✓	✓	✓	0.5	1
> -8		7494-3	~~Scott Mix 243~~ 7-15-96 SS Scott Mix 243					0.5	1
> -9		STD	0.5 ml = 16.0 ppm	✓	✓	✓	✓	0.5	1
> -10		STD	3.2 ppm	✓	✓	✓	✓	0.1	1
> -11		STD	32 ppm Scott Mix 243 ~~7-13-96 SS 16.0 ppm~~ Scott Mix 243	✓	✓	✓	✓	1.0	1
> -12		STD	64 ppm	✓	✓	✓	✓	2.0	1
> -13		BLK	7-15-96 SS ~~Blk~~ Argon	✓	✓	✓	✓	0.5	1
-14		~~LCS BLK~~ ~~7394-3~~ 7-15-96 CP	Argon	✓	✓	✓	✓	0.5	1

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GC/MS AIR SUMMARY LOG

011597
ST: 55
ID.: GC/FID
R(S): FO11597-1
DD(S): Headspace / RSK175
RIX: Headspace
IST(S):
OMETER:

STANDARDS
TO-14
TO-1/2
GAS/TPH
OTHER

DATA FILE	ALS #	SAMPLE ID	SAMPLE DESCRIPTION	CAN #	IP (PSI)	FP (PSI)	CAN DF.	INJ VOL mL	DF	
011597-1		STD	Scott Mix 243					0.5	1.0	
-2		STD	↓					0.5	1.0	
-3		BLK	Air Gas					0.5	1.0	
-4		LCS	Scott Mix 243					0.5	1.0	
-5		LCSD	↓					0.5	1.0	
-6		533-1	ITS / Emulsion 323709	Headspace		30 mL Hw		0.5	1.0	
-7		533-4	323735			↓		0.5	1.0	
-8		533-2	323731					0.5	1.0	
-9		533-3	323733					0.5	1.0	
-10		533-5	323737					0.5	1.0	
-11		533-6	323792					0.5	1.0	
-12		533-7	323796					0.5	1.0	RR
-13		533-8	323796					0.5	1.0	
-14		-9	323799					0.5	1.0	RR

MMENTS

PAGE 1 of 3

GC/MS AIR SUMMARY LOG

E: cont 011597
LYST:
ST. ID.:
TCH(S):
HOD(S):
RIX:
BLIST(S):
OMETER:

STANDARDS

TO-14
TO-1/2
GAS/TPH
OTHER

DATA FILE	ALS #	SAMPLE ID	SAMPLE DESCRIPTION	CAN #	IP (PSI)	FP (PSI)	CAN DF.	INJ VOL mL	DF
1597-15		534-1	ITS / Burlington 323726	Headspace		Burlington		0.5	1.0
-16		533-8	323796		↓			0.050 ~~0.005~~	10
-17		533-8	↓		↓			0.010	50
-18		533-9	323799		↓			0.010	50
-19		528-1	Navy public center 70098-02		↓			0.01	50
-20		-1	70098-02					0.10	5.0
-21		-1	70098-02					0.5	1.0
-22		-2	70098-03					0.5	1.0
-23		-3	70098-04					0.5	1.0
-24		-3	70098-04					0.1	5.0
-25		-4	70098-05					0.5	1.0
-26		-5	70098-06					0.5	1.0
-27		-6	70098-07		↓			0.5	1.0

011597 ss

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MENTS

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