ASH-01-0003

PARSONS ENGINEERING SCIENCE, INC.

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April 1, 1995
725980-01008

Mr. Stephen Absolom
FFA Program Manager
Director of Engineering and Housing
ATTN: SDSSE-HE
Building 123
Seneca Army Depot Activity
Romulus, New York 14541-5001

00544

SUBJECT: **Ash Landfill Fourth Quarter 1995 Groundwater Monitoring Program**
Seneca Army Depot Activity, Romulus, New York

Dear Mr. Absolom:

The enclosed report summarizes the results of the 1995 fourth quarter groundwater monitoring program at the Ash Landfill. The results of the groundwater monitoring are consistent with the previous quarterly groundwater monitoring results for these wells.

The work for this quarter of groundwater sampling was performed in accordance with Task 14 (Option 1) for Delivery Order 0029 under Contract DACA87-92-D-0022.

Field Activities

A complete round of water level measurements was performed on 40 monitoring wells at the Ash Landfill. Groundwater samples were collected from 15 monitoring wells including the 3 farmhouse wells. One field blank and one trip blank were submitted for QA/QC requirements.

Groundwater Elevation Data

Mean Sea Level (MSL) groundwater elevations were measured on January 11, 1996 and used to develop a groundwater isocontour map (see **Figure 1**) for the Ash Landfill. **Table 1** summarizes the groundwater elevation measurements. 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 on January 10-14, 1996 and shipped via chain-of-custody to Aquatec Laboratories for VOC analysis by EPA Method 524.2. Additional QA/QC samples were sent to the EPA-MRD Laboratory (LIMS # 3788) for VOC analysis by Method 8260A. **Appendix A** contains all field data sheets. The wells were purged using a peristaltic pump prior to sampling. The analytical data was validated by Parsons ES personnel in accordance with NYSDEC Data Validation SOPs. All data was accepted based upon the validation results. The analytical results showed non-detectable levels of VOCs in

all wells and the rinsate and trip blanks. Trace concentrations (0.7 ppb) of trichloroethene were detected in MW-30. Good correlation was observed between the duplicate samples. **Table 2** summarizes the analytical results. **Appendix B** contains the laboratory analytical and QA/QC data.

In summary, the groundwater monitoring results for the 1995 fourth quarter sampling at the Ash Landfill, continue to show no change in the concentrations of VOCs in these wells. These result indicate that no further migration of the previously detected VOC groundwater plume has occurred since the remedial actions were performed in this area between November 1994 and June 1995.

If you have any questions regarding the enclosed, please do not hesitate to call me at (617) 859-2492.

Sincerely,

PARSONS ENGINEERING SCIENCE, INC.

Michael Duchesneau, P.E.
Project Manager

Enclosures

cc: Ms. L. Percifield, CEMRD
Ms. D. Richards, USACOE
Mr. R. Battaglia, CENAN

D#14\ASH4QR95.LTR

GROUNDWATER MONITORING
VALIDATED ANALYTICAL RESULTS FOR THE FOURTH QUARTER 1995
ASH LANDFILL, SENECA ARMY DEPOT

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

PREPARED BY:

Parsons Engineering Science, Inc.
Boston, Massachusetts

March 1996
D#14

TABLES

TABLE 1

SENECA ARMY DEPOT ACTIVITY
1995 GROUNDWATER MONITORING PROGRAM

onitoring Well	Elevation at Top of Riser (MSL)	First Quarter 1995			Second Quarter 1995			Third Quarter 1995			Fourth Quarter 1995		
		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 o Water Level (
Landfill													
10	681.52				06/05/95	10.4	671.12	09/12/95	10.5	671.02	1/11/96	8.22	673.3
11	658.22	03/16/95	4.28	653.94	06/05/95	7.2	651.02	09/12/95	8.39	649.83	1/11/96	4.94	653.28
12	652.15				06/05/95	Destroyed							
15	637.76				06/05/95	8.2	629.56	09/12/95	9.73	628.03	1/11/96	4.94	632.82
16	637.51				06/05/95	4.68	632.83	09/12/95	5.36	632.15	1/11/96	3.18	634.33
17	640.14				06/05/95	7.87	632.27	09/12/95	8.66	631.48	1/11/96	6.16	633.98
18	656.68				06/05/95	8.24	648.44	09/12/95	8.81	647.87	1/11/96	7.22	649.46
19	645.26	03/17/95	3.1	642.16	06/05/95	6.33	638.93	09/12/95	7.57	637.69	1/10/96	4.14	641.12
20	647.28				06/05/95	7.69	639.59	09/12/95	8.83	638.45	1/11/96	6.89	640.39
21	647.73				06/05/95	Destroyed							
22	648.61				06/05/95	8.92	639.69	09/12/95	9.74	638.87	1/11/96	8.9	639.71
23	641.58				06/05/95	6.95	634.63	09/12/95	7.94	633.64	1/11/96	4.74	636.84
24	636.4				06/05/95	5.41	630.99	09/12/95	5.64	630.76	1/11/96	5.08	631.32
25	637.09				06/05/95	7.2	629.89	09/12/95	9.84	627.25	1/10/96	5.63	631.46
26	614.64				06/05/95	7.02	607.62	09/12/95	N/A	614.64	1/11/96		614.64
-27	639.32	03/16/95	5.13	634.19	06/05/95	6.85	632.47	09/12/95	6.74	632.58	1/11/96	6.04	633.28
-28	637.21				06/05/95	5.93	631.28	09/12/95	6.12	631.09	1/11/96	5.66	631.55
-29	637.31				06/05/95	7.38	629.93	09/12/95	7.78	629.53	1/11/96	6.68	630.63
-30	640.32	03/17/95	4.1	636.22	06/05/95	Dry		09/12/95	10.42	629.9	1/11/96	7.65	632.67
-31	636.7				06/05/95	6.49	630.21	09/12/95	8.7	628.00	1/11/96	4.88	631.82
-32	641.68				06/05/95	8	633.68	09/12/95	8.9	632.78	1/11/96	6.86	634.82
-33	639.56				06/05/95	8.76	630.8	09/12/95	9.62	629.94	1/11/96	6.24	633.32
-34	632.89				06/05/95	5.93	626.96	09/12/95	8.9	623.99	1/10/96	4.72	628.17
-35D	631.82				06/05/95	4.15	627.67	09/12/95	5.43	626.39	1/10/96	2.89	628.93
-36	631.79	03/16/95	2.34	629.45	06/05/95	4.36	627.43	09/12/95	5.94	625.85	1/10/96	2.97	628.82
-37	632.89	09/23/01			06/05/95	4.58	628.31	09/12/95	5.96	626.93	1/11/96	3.32	629.57
-38D	637.9	09/28/01			06/05/95	5.23	632.67	09/12/95	8.91	628.99	1/11/96	3.88	634.02
-39	659.54	10/20/01			06/05/95	3.96	655.58	09/12/95	5.27	654.27	1/11/96	1.91	657.63
-40	659.3	10/20/01	3.61	655.69	06/05/95	6.48	652.82	09/12/95	7.46	651.84	1/11/96	4.44	654.86
-41D	694.02	11/24/01			06/05/95	8.48	685.54	09/12/95	8.76	685.26	1/11/96	7.32	686.7
-42D	683.04				06/05/95	5.97	677.07	09/12/95	8.34	674.70	1/11/96	4.02	679.02
-43	657.73				06/05/95	4.72	653.01	09/12/95	5.73	652.00	1/11/96	ice	NA
-44	653.85				06/05/95	Destroyed							
-45	650.9	03/17/95	3.05	647.85	06/05/95	5.26	645.64	09/12/95	6.34	644.56	1/11/96	ice	NA
-46	650.41				06/05/95	7.06	643.35	09/12/95	7.96	642.45	1/11/96	6.16	644.25
-47	628.06	03/16/95	2.84	625.22	06/05/95	6.48	621.58	09/12/95	5.96	622.10	1/11/96	ice	NA
-48	648.32	03/17/95	3.1	645.22	06/05/95	6.13	642.19	09/12/95	6.86	641.46	1/11/96	3.7	644.62
-49D	650.5				06/05/95	7.1	643.4	09/12/95	7.88	642.62	1/11/96	6.09	644.41
-50D	649.88				06/05/95	6.88	643	09/12/95	7.69	642.19	1/11/96	6.02	643.86
-51D	628.24				06/05/95	6.63	621.61	09/12/95	6.12	622.12	1/11/96		628.24
-52D	626.35				06/05/95	6.12	620.23	09/12/95	5.68	620.67	1/11/96	3	623.35
-53	639.41				06/05/95	8.45	630.96	09/12/95	8.94	630.47	1/11/96	7.86	631.55
-54D	639.11				06/05/95	8.3	630.81	09/12/95	8.76	630.35	1/11/96	7.66	631.45
-55D	639.16				06/05/95	8.18	630.98	09/12/95	8.62	630.54	1/11/96	7.42	631.74
-56	630.51	03/16/95	2.95	627.56	06/05/95	4.14	626.37	09/12/95	4.31	626.20	1/11/96	ice	NA
-57D	629.82				06/05/95	3.79	626.03	09/12/95	3.7	626.12	1/11/96	2.42	627.4
-58D	629.69				06/05/95	3.6	626.09	09/12/95	3.52	626.17	1/11/96	2.2	627.49
-59	656.83	03/17/95	1.9	654.93	06/05/95	3.26	653.57	09/12/95	4.58	652.25	1/11/96	2.14	654.69
-60	660.15	03/17/95	2.02	658.13	06/05/95	3.83	656.32	09/12/95	5.33	654.82	1/11/96	2.34	657.81

Table 2

ASH Landfill 1995 Fourth Quarter Groundwater Monitoring
Validated Volatile Organic Analyses Results (Method 524.2)

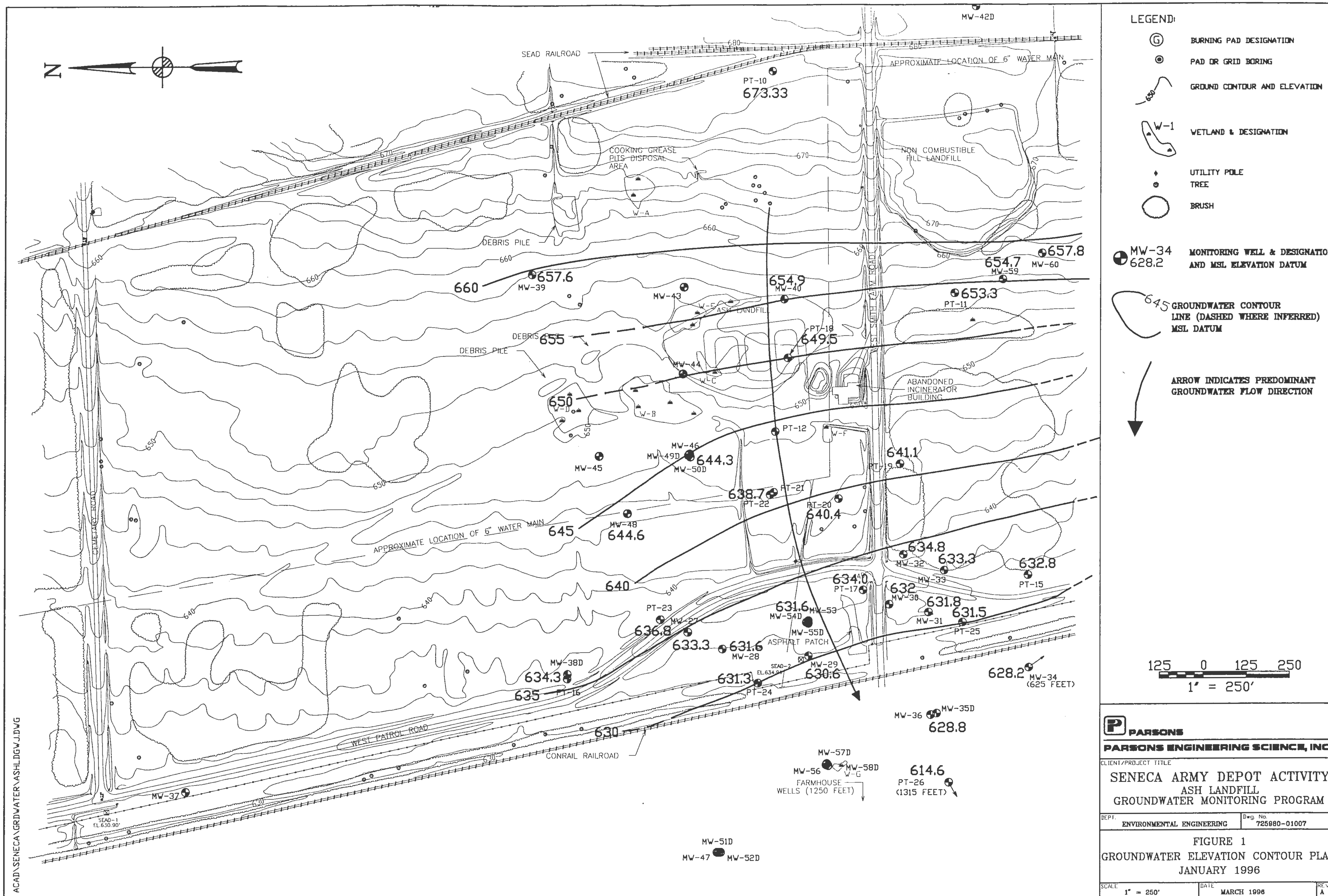
ES ID		BNS	FHD	FHS	MW27	MW30	MW336	MW36	MW36R	MW40	MW45	MW47
LOCATION		ASH	ASH	ASH	ASH	ASH	ASH	ASH	ASH	ASH	ASH	ASH
MATRIX		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE		01/18/96	01/18/96	01/18/96	01/17/96	01/17/96	01/23/96	01/22/96	01/22/96	01/17/96	01/22/96	01/22/96
SDG NO.		56202	56202	56202	56202	56202	56202	56202	56202	56202	56202	56202
COMPOUND	UNITS											
Dichlorodifluromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Chloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Vinyl Chloride	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Bromomethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Chloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Trichlorofluoromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Acetone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	6	5 U	5 UJ	5 UJ
1,1-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
trans-1,2-Dichloroethene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Carbon Disulfide	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Methylene Chloride	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,1-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
cis-1,2-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
2-Butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	3 J	5 U	5 UJ	5 UJ
2,2-Dichloropropane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Chloroform	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Bromochloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,1,1-Trichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,1-Dichloropropene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Carbon Tetrachloride	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,2-Dichloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Benzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Trichloroethene	ug/L	1 U	1 U	1 U	1 U	0.7 J	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,2-Dichloroctopane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Bromodichloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Dibromomethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
4-Methyl-2-Pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 UJ	5 UJ
cis-1,3-Dichloroctopene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Toluene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
trans-1,3-Dichloroctopene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Tetrachloroethene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Dibromochloromethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,2-Dibromoethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Chlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,1,1,2-Tetrachloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Ethylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Xylene (total)	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Styrene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Bromoform	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Isopropylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,1,2,2-Tetrachloroethane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,2,3-Trichloropropane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,3,5-Trimethylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
n-Propylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
2-Chlorotoluene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,3,5-Trimethylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
4-Chlorotoluene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
tert-Butylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,2,4-Trimethylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
sec-Butylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
p-Isopropyltoluene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,3-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,4-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
n-Butylbenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,2-Dichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,2-Dibromo-3-Chloropropane	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,2,4-Trichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Hexachlorobutadiene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Naphthalene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
1,2,3-Trichlorobenzene	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ

Table 2

ASH Landfill 1995 Fourth Quarter Groundwater Monitoring
Validated Volatile Organic Analyses Results (Method 524.2)

ES ID		MW48	MW56	MW59	MW60	PT11	PT19	TB11096	TB11396
LOCATION		ASH	ASH	ASH	ASH	ASH	ASH	ASH	ASH
MATRIX		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SAMPLE DATE		01/22/96	01/22/96	01/17/96	01/17/96	01/17/96	01/17/96	01/18/96	01/17/96
SDG NO.		56202	56202	56202	56202	56202	56202	56202	56202
COMPOUND	UNITS								
Dichlorodifluromethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	ug/L	5 UJ	5 UJ	5 U	5 U	5 U	5 U	4 J	5 U
1,1-Dichloroethene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethane	ug/L	1 UJ	0.5 UJ	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	ug/L	5 UJ	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
2,2-Dichloropropane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroctopane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	ug/L	5 UJ	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloroctopene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloroctopene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1,2-Tetrachloroethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
p-Isopropyltoluene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	ug/L	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U

FIGURES



N
LEGEND:
BURNING PAD DESIGNATION
PAD OR GRID BORING
GROUND CONTOUR AND ELEVATION
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'
SEAD RAILROAD
APPROXIMATE LOCATION OF 6" WATER MAIN
MW-42D
PT-10
673.33
COOKING GREASE PITS DISPOSAL AREA
NON COMBUSTIBLE FILL LANDFILL
DEBRIS PILE
660
657.6
MW-39
MW-43
654.9
MW-40
ASH LANDFILL
654.7
MW-59
657.8
MW-60
653.3
PT-11
655
PT-18
649.5
MW-44
ABANDONED INCINERATOR BUILDING
650
W-A
W-B
W-C
W-D
W-F
PT-12
MW-46
MW-49D
644.3
MW-50D
MW-45
641.1
PT-19
638.7
PT-21
PT-22
PT-20
640.4
645
MW-48
644.6
640
CEMETARY ROAD
W. SMITH FARM ROAD
634.8
MW-32
633.3
MW-33
632.8
PT-15
634.0
PT-17
632
MW-30
631.8
MW-31
631.5
PT-25
PT-23
MW-27
631.6
MW-54D
MW-53
MW-55D
ASPHALT PATCH
636.8
633.3
631.6
MW-28
MW-38D
634.3
635
PT-16
631.3
PT-24
MW-29
630.6
SEAD-2
628.2
MW-34 (625 FEET)
MW-36
MW-35D
628.8
WEST PATROL ROAD
630
CONRAIL RAILROAD
MW-57D
MW-56
MW-58D
W-G
FARMHOUSE WELLS (1250 FEET)
614.6
PT-26 (1315 FEET)
MW-37
SEAD-1 EL.630.90'
MW-51D
MW-47
MW-52D
ACAD\SENECA\GRDWATER\ASHLDGWJ.DWG

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY
ASH LANDFILL
GROUNDWATER MONITORING PROGRAM

DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	725980-01007

FIGURE 1
GROUNDWATER ELEVATION CONTOUR PLAN
JANUARY 1996

SCALE	DATE	REV
1" = 250'	MARCH 1996	A

APPENDIX A

FIELD DATA

Ash Landfill Fourth Quarter 1995 Groundwater Monitoring Program

1. Groundwater Sampling Forms

2. Chain-of-Custody Forms

1. Groundwater Sampling Forms

PAGE 1 OF 4

GROUNDWATER ELEVATION REPORT

NS ENGINEERING-SCIENCE, INC. | CLIENT: ACOE | DATE: 1-10-96

Seneca - ASH, OB/OD Quarterly Monitoring | PROJECT NO: Seneca Quarterly
ASH LANDFILL SITE | INSPECTOR: BH, AW

NG EQUIPMENT:

DECTECTOR	BGD	TIME	REMARKS

WATER LEVEL INDICATOR:

INSTRUMENT	CORRECTION FACTOR

COMMENTS:

1-10-96 TIME	DEPTH TO WATER	DEPTH TO PRODUCT	CORRECTED WATER LEVEL	MEASURED POW	INSTALLED POW	PRODUCT SPEC. GRAV.	WELL STATUS / COMMENTS (Lock?, Well #?, Surface Disturbance?, Riser marked?, Condition of: riser, concrete, protective cas
1520	2.97						Well close to Farmhouse Rd. Ice
1532	2.89						
1531	2.20						MW-58D Ice - broke throug
1532	2.42						MW-57D
1535	NA						MW-56 Ice (3.0' down
1545	NA						MW-47 Ice (3.16' dow
1546	3.42						MW-51
1548	3.00						MW-52D
1-11-96 1116	2.14						1-11-96
1117	2.34						
1133	4.14						Well Stem (PVC) is loose.
1140	4.72						
1146	6.36						
1150	5.63						

(ALL DEPTH MEASUREMENTS FROM MARKED LOCATION ON RISER)

GROUNDWATER ELEVATION REPORT

GINEERING–SCIENCE, INC.	CLIENT: ACOE	DATE: Jan. 11, 1996
CT: Seneca - ASH/OB/OD Quarterly Monitoring		PROJECT NO: 725980-01008
ION: ASH LANDFILL SITE		INSPECTOR: BH, AW

ORING EQUIPMENT:					WATER LEVEL INDICATOR:		COMMENTS:
ENT	DECTECTOR	BGD	TIME	REMARKS	INSTRUMENT	CORRECTION FACTOR	

	TIME	DEPTH TO WATER	DEPTH TO PRODUCT	CORRECTED WATER LEVEL	MEASURED POW	INSTALLED POW	PRODUCT SPEC. GRAV.	WELL STATUS / COMMENTS (Lock?, Well #?, Surface Disturbance?, Riser marked?, Condition of: riser, concrete, protective
	1154	4.88						
	1156	7.65						Well open and uncapped when
)	1310	4.02						
	1324	7.37						
	1338	6.24						
	1343	6.86						Hline in casing - No tubing
7	1349	6.16						
	1353	7.86						
)	1355	7.42						
)	1357	7.66						
	1040	4.94						
	1400	6.68						
A	1405	5.08						
	1408	5.66						
	1411	6.04						

(ALL DEPTH MEASUREMENTS FROM MARKED LOCATION ON RISER) INSPECTOR: _____ PAGE: 0

GROUNDWATER ELEVATION REPORT

NS ENGINEERING-SCIENCE, INC. | CLIENT: ALOE | DATE: Jan. 11, 1996

Seneca - ASH, OB/OD QUARTERLY MONITORING
ASH LANDFILL SITE

PROJECT NO: 725980-01008
INSPECTOR: BH, AW

NG EQUIPMENT:

DECTECTOR	BGD	TIME	REMARKS

WATER LEVEL INDICATOR:

INSTRUMENT	CORRECTION FACTOR

COMMENTS:

	TIME	DEPTH TO WATER	DEPTH TO PRODUCT	CORRECTED WATER LEVEL	MEASURED POW	INSTALLED POW	PRODUCT SPEC. GRAV.	WELL STATUS / COMMENTS (Lock?, Well #?, Surface Disturbance?, Riser marked?, Condition of: riser, concrete, protective casi
	1414	4.74						
	1420	3.18						
	1423	3.88						
	1428	3.32						
	1437	6.89						
	1500	8.90						
	1502	3.42			~~27.10~~ 26.34 (AW)			New well - no lock
	1512	3.76						
	1517	NA						Top of ICE = 3.10'
	1525	6.32						
	1533	6.16						
	1536	6.09						
	1535	7.54			12.45			New well - needs lock.
	1544	NA						Needs lock. Last 12.64

(ALL DEPTH MEASUREMENTS FROM MARKED LOCATION ON RISER)

GROUNDWATER ELEVATION REPORT

S ENGINEERING-SCIENCE, INC.	CLIENT: ACOE	DATE: Jan. 11, 1996
Seneca- ASH, OB/OD QUARTERLY Monitoring ASH LANDFILL SITE		PROJECT NO: 725980-01008
		INSPECTOR: B. Harvey, A. Willis

G EQUIPMENT:

DECTECTOR	BGD	TIME	REMARKS

WATER LEVEL INDICATOR:

INSTRUMENT	CORRECTION FACTOR

COMMENTS:

TIME	DEPTH TO WATER	DEPTH TO PRODUCT	CORRECTED WATER LEVEL	MEASURED POW	INSTALLED POW	PRODUCT SPEC. GRAV.	WELL STATUS / COMMENTS (Lock?, Well #?, Surface Disturbance?, Riser marked?, Condition of: riser, concrete, protective casin
1550	1.91						
1601	4.44						
1615	8.04			12.62			Needs lock - new well
1621	7.22						
1635	8.22						

(ALL DEPTH MEASUREMENTS FROM MARKED LOCATION ON RISER)

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1-13-96
PROJECT: QUARTERLY MONITORING		INSPECTOR: B. Harvey, A. Willis
LOCATION: ASH LANDFILL		LABORATORY: Aquatec
WELL NUMBER: PT-19		CHAIN OF CUSTODY #:
SCREENED INTERVAL (TOC):		MONITORING INSTRUMENT: OVM/PID; DETECTOR: 0.0 ppm

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): 4.05
WELL DEPTH (TOC): ~~11.70~~
FEET OF WATER IN WELL: 7.65
STANDING WATER VOLUME IN WELL (gallons): 1.25
THREE WELL VOLUMES (gallons):
ONE: 1.25 TWO: 2.5 THREE: 3.75

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING: 0837 TIME END PURGING: 0902

TIME:	0850	0855	0901			
DEPTH TO WATER (ft)	4.90	5.34	5.38			
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	11.70	8.70	8.70			
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	550 ml/min	870 ml/min	870 ml/min			
VOLUME OF WATER REMOVED (gals)	1.25	1.25	1.25			
TEMPERATURE (deg. C)	6°C	6°C	6°C			
SPEC. COND (umhos)	550	550	550			
PH	6.99	6.97	6.97			

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	1-13-96					
TIME	0909					
DEPTH TO WATER (ft)	4.12					
"AFTER PURGE" WATER COLUMN (ft)	7.58					
"STATIC" WATER COLUMN (ft)	7.65					
% RECOVERY	99%					

Notes:

(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.

(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1/12/96
PROJECT: QUARTERLY MONITORING		INSPECTOR: B. Harvey, A. Willis
LOCATION: ASH LANDFILL		LABORATORY: AQUATEC
		CHAIN OF CUSTODY #:
WELL NUMBER: PT-11		MONITORING INSTRUMENT: OVM / PID; DETECTOR: 0.0 ppm
SCREENED INTERVAL (TOC):		

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): ~~4.44~~ 4.87 (1-12)
WELL DEPTH (TOC): 19.54
FEET OF WATER IN WELL: 14.67
STANDING WATER VOLUME IN WELL (gallons): 2.39
THREE WELL VOLUMES (gallons): ONE: 2.39 TWO: 4.78 THREE: 7.17

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING: 0910 TIME END PURGING: 1023

TIME:	0958	1022				
DEPTH TO WATER (ft)	11.98	16.70				
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	15.54	15.54				
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	250/150	300	Slow	Well		
VOLUME OF WATER REMOVED (gals)	2.4	1.5				
TEMPERATURE (deg. C)	2	4 1/2				
SPEC. COND (umhos)	600	600				
PH	7.45	7.37				

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	1-12-96					
TIME	1500					
DEPTH TO WATER (ft)	10.17					
"AFTER PURGE" WATER COLUMN (ft)	9.37					
"STATIC" WATER COLUMN (ft)	14.67					
% RECOVERY	64%					

Notes:

(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.

(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1-10-96
PROJECT: QUARTERLY MONITORING		INSPECTOR: B.Harvey, A.Willis
LOCATION: ASH LANDFILL - Farmhouse		LABORATORY: AQUATEC
		CHAIN OF CUSTODY #:
WELL NUMBER: FH-S		MONITORING INSTRUMENT: NA / DETECTOR: NA
SCREENED INTERVAL (TOC): NA		

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): NA
WELL DEPTH (TOC):
FEET OF WATER IN WELL:
STANDING WATER VOLUME IN WELL (gallons):
THREE WELL VOLUMES (gallons):
ONE: TWO: THREE:

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING: NA TIME END PURGING:

TIME:						
DEPTH TO WATER (ft)						
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)						
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)						
VOLUME OF WATER REMOVED (gals)						
TEMPERATURE (deg. C)						
SPEC. COND (umhos)						
PH						

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	NA					
TIME						
DEPTH TO WATER (ft)						
"AFTER PURGE" WATER COLUMN (ft)						
"STATIC" WATER COLUMN (ft)						
% RECOVERY						

Notes:

(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.

(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1-10-96
PROJECT: QUARTERLY MONITORING		INSPECTOR: B. Harvey, A. Willis
LOCATION: ASH LANDFILL - FARMHOUSE		LABORATORY: AQUATEC
		CHAIN OF CUSTODY #:
WELL NUMBER: FH-D		MONITORING INSTRUMENT: NA / DETECTOR: NA
SCREENED INTERVAL (TOC): NA		

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): NA	STANDING WATER VOLUME IN WELL (gallons):
WELL DEPTH (TOC):	THREE WELL VOLUMES (gallons):
FEET OF WATER IN WELL:	ONE: TWO: THREE:

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING: NA TIME END PURGING:

TIME:						
DEPTH TO WATER (ft)						
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)						
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)						
VOLUME OF WATER REMOVED (gals)						
TEMPERATURE (deg. C)						
SPEC. COND (umhos)						
PH						

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	NA					
TIME						
DEPTH TO WATER (ft)						
"AFTER PURGE" WATER COLUMN (ft)						
"STATIC" WATER COLUMN (ft)						
% RECOVERY						

Notes:

(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.

(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1-13-96
PROJECT: QUARTERLY MONITORING		INSPECTOR: B. Hamed, A. Willis
LOCATION: ASH LANDFILL		LABORATORY: Aquatec
WELL NUMBER: MW-27		CHAIN OF CUSTODY #:
SCREENED INTERVAL (TOC):		MONITORING INSTRUMENT: CGM/PID; DETECTOR: 0.0 ppm

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): 5.96
WELL DEPTH (TOC): 10.52
FEET OF WATER IN WELL: 4.56
STANDING WATER VOLUME IN WELL (gallons): 0.74
THREE WELL VOLUMES (gallons):
ONE: 0.74 TWO: 1.48 THREE: 2.23

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING: 1005 TIME END PURGING: 1031

TIME:	1021	1030				
DEPTH TO WATER (ft)	9.06	10.15				
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	10.52	10.0				
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	~~180~~ 180 ml/min	180 ml/min	Slow Well			
VOLUME OF WATER REMOVED (gals)	.74	.5				
TEMPERATURE (deg. C)	5°C	5°C				
SPEC. COND (umhos)	~~430~~	440				
PH	7.15	7.34				

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	1-13-96	1-13-96				
TIME	1134	1615				
DEPTH TO WATER (ft)	9.40	8.50				
"AFTER PURGE" WATER COLUMN (ft)	1.12	2.02				
"STATIC" WATER COLUMN (ft)	4.56	4.56				
% RECOVERY	25%	44%				

Notes:

(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.

(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1-13-96
PROJECT: QUARTERLY MONITORING		INSPECTOR: B. Henry, A. Willis
LOCATION: ASH LANDFILL		LABORATORY: Aquatec
WELL NUMBER: MW-30		CHAIN OF CUSTODY #: 0
SCREENED INTERVAL (TOC):		MONITORING INSTRUMENT: OVM/PID; DETECTOR: C.ppm

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): 7.63
WELL DEPTH (TOC): 10.52
FEET OF WATER IN WELL: 2.89
STANDING WATER VOLUME IN WELL (gallons): 0.47
THREE WELL VOLUMES (gallons):
ONE: 0.47 TWO: 0.94 THREE: 1.41

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING: 0925 TIME END PURGING: 0942

TIME:	0932	0938	0941			
DEPTH TO WATER (ft)	7.72	7.80	7.80			
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	10.52	8.52	8.52			
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	300 ml/min	660 ml/min	660 ml/min			
VOLUME OF WATER REMOVED (gals)	0.50	0.5	0.50			
TEMPERATURE (deg. C)	4°	4°	5°			
SPEC. COND (umhos)	~~480~~ 440	440	450			
PH	~~6.58~~ 6.83	7.04	7.07			

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	1-13-96					
TIME	0947					
DEPTH TO WATER (ft)	7.66					
"AFTER PURGE" WATER COLUMN (ft)	2.86					
"STATIC" WATER COLUMN (ft)	2.89					
% RECOVERY	99%					

Notes:

(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.

(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1-13-96
PROJECT: QUARTERLY MONITORING		INSPECTOR:
LOCATION: ASH LANDFILL		LABORATORY:
WELL NUMBER: MW-40		CHAIN OF CUSTODY #:
SCREENED INTERVAL (TOC):		MONITORING INSTRUMENT: OVM/PID; DETECTOR: 0.00 ppm

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): 4.38
WELL DEPTH (TOC): 14.71
FEET OF WATER IN WELL: 10.33
STANDING WATER VOLUME IN WELL (gallons): 1.68
THREE WELL VOLUMES (gallons): ONE: TWO: 3.36 THREE: 5.05

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING: 1346 TIME END PURGING: 1406

TIME:	1352	1359	1405			
DEPTH TO WATER (ft)	8.06	8.50	9.38			
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	14.71	10.71	10.71			
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	1L	~~1500 ml/min~~	1500 ml/min			
VOLUME OF WATER REMOVED (gals)	1.7	1.7	1.7			
TEMPERATURE (deg. C)	6.75	7	7			
SPEC. COND (umhos)	370	370	375			
PH	6.75	7.24	7.31			

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	1-13-96	1-13-96				
TIME	1435	1450				
DEPTH TO WATER (ft)	5.40	4.50				
"AFTER PURGE" WATER COLUMN (ft)	9.31	10.21				
"STATIC" WATER COLUMN (ft)	10.33	10.33				
% RECOVERY	90%	99%				

Notes:

(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.

(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1-14-96
PROJECT: QUARTERLY MONITORING		INSPECTOR: B. Harvey, A. Willis
LOCATION: ASH LANDFILL		LABORATORY: Aquatec
		CHAIN OF CUSTODY #:
WELL NUMBER: MW-45		MONITORING 0.00
		INSTRUMENT: CVM 580B / DETECTOR: PID
SCREENED INTERVAL (TOC):		

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): 2.97
WELL DEPTH (TOC): 8.34
FEET OF WATER IN WELL: 5.37
STANDING WATER VOLUME IN WELL (gallons): 0.88
THREE WELL VOLUMES (gallons):
ONE: 0.88 TWO: 1.75 THREE: 2.63

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING: 0921 TIME END PURGING: 0958

Last Rate 480-200 ml/min

Static 6.34

1 vol. 18 600 7.10

TIME:	0933	0942	0957			
DEPTH TO WATER (ft)	4.44	5.10	5.26			
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	8.34	6.34	6.34			
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	450 ml/min	660 ml/min	660 ml/min			
VOLUME OF WATER REMOVED (gals)	0.88	0.88	0.88			
TEMPERATURE (deg. C)	4	4	5			
SPEC. COND (umhos)	390	390	395			
PH	7.20	7.23	7.20			

DEPTH TO WATER MEASUREMENTS AFTER PURGING

+1 hr.

DATE	1-14-96					
TIME	1006					
DEPTH TO WATER (ft)	3.10					
"AFTER PURGE" WATER COLUMN (ft)	5.24					
"STATIC" WATER COLUMN (ft)	5.37					
% RECOVERY	95%					

Notes:

(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.

(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1-14-96
PROJECT: QUARTERLY MONITORING		INSPECTOR: Bowman Harvey, Annika Willis
LOCATION: ASH LANDFILL		LABORATORY: Aquatec
WELL NUMBER: MW-47		CHAIN OF CUSTODY #:
SCREENED INTERVAL (TOC):		MONITORING: VA
		INSTRUMENT: OVM 580S / DETECTOR: PID

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): 3.26
WELL DEPTH (TOC): 8.56
FEET OF WATER IN WELL: 5.30
STANDING WATER VOLUME IN WELL (gallons): 0.86
THREE WELL VOLUMES (gallons):
ONE: TWO: 1.7 THREE: 2.6

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING: 1318 TIME END PURGING: 1344

	Historic						
TIME:	1328	1336	1343				
DEPTH TO WATER (ft)	4.40	4.68	4.40				6.06
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	8.56	6.56	6.56				
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	480 ml/min	480ml/min	480ml/min				318-100 ml/min
VOLUME OF WATER REMOVED (gals)	0.90	0.90	0.90				3 vol.
TEMPERATURE (deg. C)	5	5	5				18
SPEC. COND (umhos)	~~397~~ 390	395	395				550-600
PH	6.97	7.11	7.14				7.08-7.23

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	1-14-96					
TIME	1356					13 min
DEPTH TO WATER (ft)	3.18					
"AFTER PURGE" WATER COLUMN (ft)	5.38					
"STATIC" WATER COLUMN (ft)	5.30					
% RECOVERY	100 %					

Notes:
(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.
(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1-14-96
PROJECT: QUARTERLY MONITORING		INSPECTOR: B. Harvey, A. Willis
LOCATION: ASH LANDFILL		LABORATORY: Aquatec
		CHAIN OF CUSTODY #:
WELL NUMBER: MW-48		MONITORING
		INSTRUMENT: OVM 580S / DETECTOR: PID
SCREENED INTERVAL (TOC):		

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): 3.58
WELL DEPTH (TOC): 11.50
FEET OF WATER IN WELL: 7.92
STANDING WATER VOLUME IN WELL (gallons): 1.29
THREE WELL VOLUMES (gallons):
ONE: 1.29 TWO: 2.58 THREE: 3.87

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

Historic

TIME BEGIN PURGING: 1028 TIME END PURGING: 1043

TIME:	1033	1039	1042			
6.88 DEPTH TO WATER (ft)	4.12	4.18	4.48			
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	11.50	11.50	78.50 (raw)			
1L FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	1L/min	1L/min	1500 ml/min			
1 vol. VOLUME OF WATER REMOVED (gals)	1.3	1.3	1.3			
18 TEMPERATURE (deg. C)	5	5	5			
600 SPEC. COND (umhos)	395	395	395			
6.70 PH	7.36	7.28	7.26			

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	1-14-96					
10 min. TIME	1049					
DEPTH TO WATER (ft)	3.62					
"AFTER PURGE" WATER COLUMN (ft)	7.88					
"STATIC" WATER COLUMN (ft)	7.92					
% RECOVERY	99%					

Notes:

(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.

(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1-14-96
PROJECT: QUARTERLY MONITORING		INSPECTOR: Bowman Harvey, Annika Willis
LOCATION: ASH LANDFILL		LABORATORY: Aquatec
WELL NUMBER: MW-47		CHAIN OF CUSTODY #:
SCREENED INTERVAL (TOC):		MONITORING: NA
		INSTRUMENT: OVM 580S / DETECTOR: PID

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): 3.26
WELL DEPTH (TOC): 8.56
FEET OF WATER IN WELL: 5.30
STANDING WATER VOLUME IN WELL (gallons): 0.86
THREE WELL VOLUMES (gallons):
ONE:
TWO: 1.7
THREE: 2.6

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING: 1318
TIME END PURGING: 1344

	TIME:					
Historic		1328	1336	1343		
6.06	DEPTH TO WATER (ft)	4.40	4.68	4.40		
	DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	8.56	6.56	6.56		
318-100 ml/min	FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	480 ml/min	480ml/min	480ml/min		
3 vol.	VOLUME OF WATER REMOVED (gals)	0.90	0.90	0.90		
18	TEMPERATURE (deg. C)	5	5	5		
550-600	SPEC. COND (umhos)	~~397~~ 390	395	395		
7.08-7.23	PH	6.97	7.11	7.14		

DEPTH TO WATER MEASUREMENTS AFTER PURGING

	DATE	1-14-96				
13 min	TIME	1356				
	DEPTH TO WATER (ft)	3.18				
	"AFTER PURGE" WATER COLUMN (ft)	5.38				
	"STATIC" WATER COLUMN (ft)	5.30				
	% RECOVERY	100 %				

Notes:

(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.

(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1-14-96
PROJECT: QUARTERLY MONITORING		INSPECTOR: B. HARVEY, A. WILLIS
		LABORATORY: AQUATEC
LOCATION: ASH LANDFILL		CHAIN OF CUSTODY #:
WELL NUMBER: MW-56		MONITORING INSTRUMENT: NA
SCREENED INTERVAL (TOC):		DETECTOR: OVM 580S / PID

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): 3.16
WELL DEPTH (TOC): 6.88
FEET OF WATER IN WELL: 3.72

STANDING WATER VOLUME IN WELL (gallons): 0.60
THREE WELL VOLUMES (gallons): 1.80
ONE: 0.60 TWO: 1.20 THREE: 1.80

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

Historic

TIME BEGIN PURGING: 1439 TIME END PURGING: 1500

TIME:	~~1444 3.52~~	1452	1459			
4.04 DEPTH TO WATER (ft)	3.52	3.42	3.44			
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	6.88	5.88	5.88			
480-870 ml/min FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	450 ml/min	450ml/min	450ml/			
3 vol. VOLUME OF WATER REMOVED (gals)	0.60	0.65	0.75			
17 TEMPERATURE (deg. C)	~~38~~ 3.5	3.5	4			
700 SPEC. COND (umhos)	440	435	440			
7.15-7.25 PH	6.98	7.07	7.09			

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	1-14-96					
15 min. TIME	1507					
DEPTH TO WATER (ft)	3.09					
"AFTER PURGE" WATER COLUMN (ft)	3.79					
"STATIC" WATER COLUMN (ft)	3.72					
% RECOVERY	100%					

Notes:

(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.

(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1-12-96
PROJECT: QUARTERLY MONITORING		INSPECTOR: B. Hawley, A. Wilks
LOCATION: ASH LANDFILL		LABORATORY: AQUATEC
		CHAIN OF CUSTODY #:
WELL NUMBER: MW-59		MONITORING INSTRUMENT: OVM/PID
SCREENED INTERVAL (TOC):		DETECTOR: NA

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): 2.08
WELL DEPTH (TOC): 9.99
FEET OF WATER IN WELL: 7.91
STANDING WATER VOLUME IN WELL (gallons): 1.28
THREE WELL VOLUMES (gallons):
ONE: 1.28 TWO: 2.58 THREE: 3.87

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING: 1038 TIME END PURGING: 1100

TIME:	1047	1053	1059			
DEPTH TO WATER (ft)	2.82	4.70	4.80			
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	9.99	8.99	8.99			
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	660	1000	1000			
VOLUME OF WATER REMOVED (gals)	1.3	1.30	1.5			
TEMPERATURE (deg. C)	5	5	5			
SPEC. COND (umhos)	850	850	875			
PH	6.86	6.86	6.84			

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	1-12-96					
TIME	1528					
DEPTH TO WATER (ft)	2.20					
"AFTER PURGE" WATER COLUMN (ft)	7.79					
"STATIC" WATER COLUMN (ft)	7.91					
% RECOVERY	98%					

Notes:

(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.

(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent recovery for the well.

SAMPLING RECORD FOR REPLICATES - GROUNDWATER

PARSONS ENGINEERING-SCI.,INC.	CLIENT: USACOE	DATE: 1-12-96
PROJECT: QUARTERLY MONITORING		INSPECTOR: B. Hawey, A. Wilks
LOCATION: ASH LANDFILL		LABORATORY: AQUATEC
WELL NUMBER: MW-60		CHAIN OF CUSTODY #:
SCREENED INTERVAL (TOC):		MONITORING INSTRUMENT: OVM/PID; DETECTOR: NA

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): 3.36
WELL DEPTH (TOC): 10.29
FEET OF WATER IN WELL: 6.93
STANDING WATER VOLUME IN WELL (gallons): 1.1
THREE WELL VOLUMES (gallons):
ONE: 1.1 TWO: 2.2 THREE: 3.3

PURGING WITH A PERISTALTIC PUMP OR BAILER

(measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING: 1109 TIME END PURGING: 1132

TIME:	1118	1125	1131			
DEPTH TO WATER (ft)	4.92	4.06	6.56			
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	10.29	7.29	7.29			
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	480	870	870			
VOLUME OF WATER REMOVED (gals)	1.2	1.2	1.2			
TEMPERATURE (deg. C)	5	5	5.5			
SPEC. COND (umhos)	430	440	~~450~~ 440 (AVG)			
PH	7.07	7.08	7.09			

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	1-12-96					
TIME	1540					
DEPTH TO WATER (ft)	3.32					
"AFTER PURGE" WATER COLUMN (ft)	(AVG) ~~3.36~~ 6.89					
"STATIC" WATER COLUMN (ft)	6.93					
% RECOVERY	99%					

Notes:

(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.

(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

2. Chain-of-Custody Forms

RSONS
ERING-SCIENCE, INC.

nter Phone: 617-859-2000
02199 Fax: 617-859-2043

CHAIN-OF-CUSTODY RECORD

JOB NO. 725980 - 01008
PROJECT Seneca - 4th Quarterly Monit.
CONTACT M. Duchesneau

LABORATORY AQUATEC
ADDRESS 55 So. Park Dr. Colchester
CONTACT Polly Malk

E NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	VOA 524.2	SVOC	METALS	PEST/PCB	CN	HERB	TPH				NO. OF CONTAINERS	COMMENTS (Special instructions, ca
S		1-10-96	1440	—	water	3											
		1-10-96	1450	—	water	3											
S		1-10-96	1500	—	water	3											
-96		1-10-96	1400	—	water	2											trip blan

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	VOA 524.2									
VOA Vial	X									
Glass Bottle										
Plastic Bottle										
Preservative	A C									
Container Volume	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

REMARKS: (Sample
nonstandard sample

Samples tampered with? ☐ No ☐ Yes
plain in remarks.

Cooler #: 930

COC1 White - return with data Yellow - lab copy Pink - Sampler copy

CHAIN-OF-CUSTODY RECORD

PAGE 1 OF

ARSONS
ERING-SCIENCE, INC.
nter Phone: 617-859-2000
02199 Fax: 617-859-2043

JOB NO. 725980-01008
PROJECT SEDA - Quarterly Monitoring
CONTACT M. Duchesneau

LABORATORY AQUATEC
ADDRESS 55 So. Park Drive, Colches
CONTACT Polly Malik

E NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSES VOA 524.2	SVOC	METALS	PEST/PCB	CN	HERB	TPH				NO. OF CONTAINERS	COMMENT (Special instructions, ca
59		1-12-96	1530	—	water	3											
60		1-12-96	1545	—	water	3											
1		1-12-96	1520	—	water	3											
30		1-13-96	0950	—	water	3											
9		1-13-96	0915	—	water	3											
-40		1-13-96	1500	—	water	3											
27		1-13-96	1620	—	water	3											
3-96		1-13-96	0800	—	water	2											trip blan

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Date Time

Samples tampered with? ☐ No ☐ Yes
plain in remarks.

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

REMARKS: (Sample nonstandard sample

Cooler #: 61

COC1 White - return with data Yellow - lab copy Pink - Sampler copy

Fed-Ex airbill # 178888128 15

CHAIN-OF-CUSTODY RECORD

PAGE 1 OF 2

RSONS
ERING-SCIENCE, INC.
ter Phone: 617-859-2000
2199 Fax: 617-859-2043

JOB NO. 725980-01008
PROJECT Seneca - Quarterly Monitoring
CONTACT M. Duchesneau

LABORATORY AQUATEC
ADDRESS 55 So. Park Dr. Colchest
CONTACT Polly Malik

NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSES VOA 524.2	SVOC	METALS	PEST/PCB	CN	HERB	TPH				NO. OF CONTAINERS	COMMENTS (Special instructions, cau
45		1-14-96	1010	—	water	3										3	
18		1-14-96	1055	—	water	3										3	
47		1-14-96	1400	—	water	3										3	
516		1-14-96	1510	—	water	3										3	
16R		1-14-96	0820	—	water	3										3	
336		1-14-96	1620	—	water	3										3	
36		1-14-96	1620	—	water	3										3	
36MS		1-14-96	1620	—	water	2										2	Matrix Spik
36MSD		1-14-96	1620	—	water	2										2	Matrix Spike

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Samples tampered with? ☐ No ☐ Yes
plain in remarks.

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

REMARKS: (Sample nonstandard sample
Ash Lan

Cooler #: NA

COC1 White - return with data Yellow - lab copy Pink - Sampler copy

LINS # 3788

CHAIN-OF-CUSTODY RECORD

PAGE 1 OF 1

RSONS
ERING-SCIENCE, INC.
nter Phone: 617-859-2000
02199 Fax: 617-859-2043

JOB NO. 725980-01008
PROJECT Seneca - Quarterly Monitoring
CONTACT M. Duchesneau

LABORATORY MRD Labs
ADDRESS Omaha, NB
CONTACT Sample Custod

E NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSES VOA	SVOC	METALS	PEST/PCB	CN	HERB	TPH	TOX	TOC	pH, Cond.	NO. OF CONTAINERS	COMMENT (Special instructions, ca
H-96	MRD	1-14-96	0800	—	water	2										2	trip blank
96	MRD	1-14-96	1620	—	water	3										3	
96	MRD-R	1-14-96	0820	—	water	3										3	rinsate
	MRD	1-15-96	1740	—	water			1		1			1	2	1	6	
	MRD-R	1-15-96	0830	—	water			1		1			1	2	1	6	rinsate

d Relinquished by
nika Willis
nika Willis
sons Eng. Sci.
15-96 Time

Received by
Sign
Print
Firm
Date Time

d by

Time

Received by
Sign
Print
Firm
Date Time

Samples tampered with? ☐ No ☐ Yes
plain in remarks.

	VOA	SVOC	METALS	PEST/PCB	CN	HERB	TPH	TOX	TOC	pH, Cond.
VOA Vial	X								X	
Glass Bottle								X		
Plastic Bottle			X		X					X
Preservative	A C		A D		A F			A E	A E	A
Container Volume	40 mL		1 L		1 L			250 mL	40 mL	1 L

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

REMARKS: (Sample nonstandard sample
VOC analys
by Metho
8260

Cooler #: 607

COC1 White - return with data Yellow - lab copy Pink - Sampler copy

APPENDIX B

Laboratory Analytical Packages with QA/QC Data

1. Sample Delivery Group No. 56202

A. Volatile Organic Analysis Results

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BNS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 285812 ✓

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M285812V.D

Level: (low/med) LOW Date Received: 01/12/96 ✓

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BNS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 285812

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M285812V.D

Level: (low/med) LOW Date Received: 01/12/96

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BNS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 285812

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M285812V.D

Level: (low/med) LOW Date Received: 01/12/96

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHD

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 285813

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M285813V.D

Level: (low/med) LOW Date Received: 01/12/96

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHD

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 285813

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M285813V.D

Level: (low/med) LOW Date Received: 01/12/96

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FHD

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 285813

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M285813V.D

Level: (low/med) LOW Date Received: 01/12/96

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

FHS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 285814

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M285814V.D

Level: (low/med) LOW Date Received: 01/12/96

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FHS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 285814

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M285814V.D

Level: (low/med) LOW Date Received: 01/12/96

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FHS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 285814

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M285814V.D

Level: (low/med) LOW Date Received: 01/12/96

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB11096

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 285815

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M285815V.D

Level: (low/med) LOW Date Received: 01/12/96

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone ✓	4	J ✓
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB11096

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 285815

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M285815V.D

Level: (low/med) LOW Date Received: 01/12/96

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB11096

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 285815

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M285815V.D

Level: (low/med) LOW Date Received: 01/12/96

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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.					
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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB11096

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 285815

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M285815V.D

Level: (low/med) LOW Date Received: 01/12/96

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW27

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286062

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286062V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW27

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286062

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286062V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW27

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286062

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286062V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW30

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286063

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286063V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	0.7	J
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW30

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286063

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286063V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

MW30

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286063

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286063V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW40

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286064

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286064V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW40

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286064

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286064V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW40

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286064

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286064V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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.

MW59

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286065

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286065V.D

Level: (low/med) LOW Date Received: 01/15/96 ✓

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW59

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286065

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286065V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

MW59

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286065

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286065V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW60

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286066

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286066V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW60

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286066

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286066V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

MW60

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286066

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286066V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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.

PT11

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286067

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286067V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PT11

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286067

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286067V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

PT11

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286067

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286067V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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-	2.379	94	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PT19

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286068

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286068V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PT19

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286068

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286068V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

PT19

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286068

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286068V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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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2.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB11396

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286069

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286069V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB11396

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286069

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286069V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB11396

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286069

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286069V.D

Level: (low/med) LOW Date Received: 01/15/96

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW36

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286225

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286225V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW36

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286225

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286225V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW36

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286225

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286225V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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.

MW36R

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286226

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286226V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	6	
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	3	J
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW36R

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286226

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286226V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW36R

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286226

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286226V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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.

MW45 ✓

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286227

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286227V.D

Level: (low/med) LOW Date Received: 01/16/96 ✓

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
MW45

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286227

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286227V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

MW45

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286227

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286227V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW47

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286228

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286228V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW47

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286228

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286228V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

MW47

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286228

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286228V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW48

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286229 ✓

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286229V.D

Level: (low/med) LOW Date Received: 01/16/96 ✓

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW48

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286229

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286229V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW48

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286229

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286229V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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.

MW56

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286230

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286230V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	0.5	J
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW56

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286230

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286230V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW56

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286230

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286230V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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.

MW336

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286232

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286232V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/23/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW336

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286232

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286232V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/23/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW336

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286232

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286232V.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/23/96

GC Column:CAP 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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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKS9

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: VBLKS9

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB003AV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKS9

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: VBLKS9

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB003AV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKS9

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: VBLKS9

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB003AV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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.

VBLKT3

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: VBLKT3

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB001BV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKT3

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: VBLKT3

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB001BV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKT3

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: VBLKT3

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB001BV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKT9

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: VBLKT9

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB001CV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKT9

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: VBLKT9

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB001CV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKT9

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: VBLKT9

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB001CV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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.

VBLKU2

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: VBLKU2

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB003DV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
75-15-0	Carbon Disulfide	1	U
75-09-2	Methylene Chloride	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	1	U
67-66-3	Chloroform	1	U
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
563-58-6	1,1-Dichloropropene	1	U
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
74-95-3	Dibromomethane	1	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	1	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKU2

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: VBLKU2

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB003DV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	Xylene (total)	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U
103-65-1	n-Propylbenzene	1	U
95-49-8	2-Chlorotoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
106-43-4	4-Chlorotoluene	1	U
98-06-6	tert-Butylbenzene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
135-98-8	sec-Butylbenzene	1	U
99-87-6	p-Isopropyltoluene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
104-51-8	n-Butylbenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	1	U
91-20-3	Naphthalene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKU2

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: VBLKU2

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB003DV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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.

LFBMEOA

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB002AV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	
74-87-3	Chloromethane	1	
75-01-4	Vinyl Chloride	1	
74-83-9	Bromomethane	1	
75-00-3	Chloroethane	1	
75-69-4	Trichlorofluoromethane	1	
67-64-1	Acetone	7	
75-35-4	1,1-Dichloroethene	0.9	J
156-60-5	trans-1,2-Dichloroethene	1	
75-15-0	Carbon Disulfide	1	
75-09-2	Methylene Chloride	1	
75-34-3	1,1-Dichloroethane	1	
156-59-2	cis-1,2-Dichloroethene	1	
78-93-3	2-Butanone	5	
590-20-7	2,2-Dichloropropane	1	
67-66-3	Chloroform	1	
74-97-5	Bromochloromethane	0.9	J
71-55-6	1,1,1-Trichloroethane	1	
563-58-6	1,1-Dichloropropene	1	
56-23-5	Carbon Tetrachloride	1	
107-06-2	1,2-Dichloroethane	1	
71-43-2	Benzene	1	
79-01-6	Trichloroethene	1	
78-87-5	1,2-Dichloropropane	1	
75-27-4	Bromodichloromethane	1	
74-95-3	Dibromomethane	0.9	J
108-10-1	4-Methyl-2-Pentanone	5	
10061-01-5	cis-1,3-Dichloropropene	1	
108-88-3	Toluene	0.9	J
10061-02-6	trans-1,3-Dichloropropene	1	
79-00-5	1,1,2-Trichloroethane	1	
591-78-6	2-Hexanone	6	
142-28-9	1,3-Dichloropropane	1	

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LFBMEOA

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEOB002AV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/17/96

GC Column:CAP 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	1	
124-48-1	Dibromochloromethane	1	
106-93-4	1,2-Dibromoethane	1	
108-90-7	Chlorobenzene	1	
630-20-6	1,1,1,2-Tetrachloroethane	0.9	J
100-41-4	Ethylbenzene	1	
1330-20-7	Xylene (total)	3	
100-42-5	Styrene	0.9	J
75-25-2	Bromoform	0.9	J
98-82-8	Isopropylbenzene	1	
79-34-5	1,1,2,2-Tetrachloroethane	1	
96-18-4	1,2,3-Trichloropropane	1	
108-86-1	Bromobenzene	1	
103-65-1	n-Propylbenzene	1	
95-49-8	2-Chlorotoluene	1	
108-67-8	1,3,5-Trimethylbenzene	1	
106-43-4	4-Chlorotoluene	0.9	J
98-06-6	tert-Butylbenzene	1	
95-63-6	1,2,4-Trimethylbenzene	1	
135-98-8	sec-Butylbenzene	1	
99-87-6	p-Isopropyltoluene	1	
541-73-1	1,3-Dichlorobenzene	1	
106-46-7	1,4-Dichlorobenzene	1	
104-51-8	n-Butylbenzene	1	
95-50-1	1,2-Dichlorobenzene	1	
96-12-8	1,2-Dibromo-3-Chloropropane	1	
120-82-1	1,2,4-Trichlorobenzene	1	
87-68-3	Hexachlorobutadiene	1	
91-20-3	Naphthalene	1	
87-61-6	1,2,3-Trichlorobenzene	1	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LFBMEOB

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEO001BQV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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	0.9	J
74-87-3	Chloromethane	1	
75-01-4	Vinyl Chloride	0.9	J
74-83-9	Bromomethane	1	
75-00-3	Chloroethane	1	
75-69-4	Trichlorofluoromethane	0.9	J
67-64-1	Acetone	6	
75-35-4	1,1-Dichloroethene	0.9	J
156-60-5	trans-1,2-Dichloroethene	0.9	J
75-15-0	Carbon Disulfide	1	
75-09-2	Methylene Chloride	0.9	J
75-34-3	1,1-Dichloroethane	0.9	J
156-59-2	cis-1,2-Dichloroethene	0.9	J
78-93-3	2-Butanone	5	
590-20-7	2,2-Dichloropropane	0.9	J
67-66-3	Chloroform	1	
74-97-5	Bromochloromethane	0.8	J
71-55-6	1,1,1-Trichloroethane	0.9	J
563-58-6	1,1-Dichloropropene	0.8	J
56-23-5	Carbon Tetrachloride	0.9	J
107-06-2	1,2-Dichloroethane	0.9	J
71-43-2	Benzene	0.9	J
79-01-6	Trichloroethene	0.9	J
78-87-5	1,2-Dichloropropane	0.9	J
75-27-4	Bromodichloromethane	0.9	J
74-95-3	Dibromomethane	0.8	J
108-10-1	4-Methyl-2-Pentanone	5	
10061-01-5	cis-1,3-Dichloropropene	0.9	J
108-88-3	Toluene	0.9	J
10061-02-6	trans-1,3-Dichloropropene	0.8	J
79-00-5	1,1,2-Trichloroethane	0.9	J
591-78-6	2-Hexanone	5	
142-28-9	1,3-Dichloropropane	0.9	J

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LFBMEOB

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEO001BQV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/18/96

GC Column:CAP 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	1	
124-48-1	Dibromochloromethane	0.9	J
106-93-4	1,2-Dibromoethane	0.9	J
108-90-7	Chlorobenzene	0.9	J
630-20-6	1,1,1,2-Tetrachloroethane	0.9	J
100-41-4	Ethylbenzene	0.9	J
1330-20-7	Xylene (total)	3	
100-42-5	Styrene	0.9	J
75-25-2	Bromoform	0.9	J
98-82-8	Isopropylbenzene	0.9	J
79-34-5	1,1,2,2-Tetrachloroethane	0.9	J
96-18-4	1,2,3-Trichloropropane	1	
108-86-1	Bromobenzene	0.9	J
103-65-1	n-Propylbenzene	0.9	J
95-49-8	2-Chlorotoluene	0.9	J
108-67-8	1,3,5-Trimethylbenzene	0.9	J
106-43-4	4-Chlorotoluene	0.9	J
98-06-6	tert-Butylbenzene	0.9	J
95-63-6	1,2,4-Trimethylbenzene	1	
135-98-8	sec-Butylbenzene	1	
99-87-6	p-Isopropyltoluene	0.9	J
541-73-1	1,3-Dichlorobenzene	0.9	J
106-46-7	1,4-Dichlorobenzene	0.9	J
104-51-8	n-Butylbenzene	1	
95-50-1	1,2-Dichlorobenzene	0.9	J
96-12-8	1,2-Dibromo-3-Chloropropane	1	
120-82-1	1,2,4-Trichlorobenzene	1	
87-68-3	Hexachlorobutadiene	1	
91-20-3	Naphthalene	1	
87-61-6	1,2,3-Trichlorobenzene	1	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LFBMEOC

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEO001CQV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	0.8	J
74-87-3	Chloromethane	0.9	J
75-01-4	Vinyl Chloride	0.8	J
74-83-9	Bromomethane	1	
75-00-3	Chloroethane	1	
75-69-4	Trichlorofluoromethane	0.8	J
67-64-1	Acetone	6	
75-35-4	1,1-Dichloroethene	0.9	J
156-60-5	trans-1,2-Dichloroethene	0.8	J
75-15-0	Carbon Disulfide	0.9	J
75-09-2	Methylene Chloride	0.9	J
75-34-3	1,1-Dichloroethane	0.9	J
156-59-2	cis-1,2-Dichloroethene	0.9	J
78-93-3	2-Butanone	5	
590-20-7	2,2-Dichloropropane	0.9	J
67-66-3	Chloroform	0.9	J
74-97-5	Bromochloromethane	0.8	J
71-55-6	1,1,1-Trichloroethane	0.9	J
563-58-6	1,1-Dichloropropene	0.9	J
56-23-5	Carbon Tetrachloride	0.9	J
107-06-2	1,2-Dichloroethane	0.9	J
71-43-2	Benzene	0.9	J
79-01-6	Trichloroethene	0.9	J
78-87-5	1,2-Dichloropropane	0.9	J
75-27-4	Bromodichloromethane	0.9	J
74-95-3	Dibromomethane	0.9	J
108-10-1	4-Methyl-2-Pentanone	5	
10061-01-5	cis-1,3-Dichloropropene	0.9	J
108-88-3	Toluene	0.9	J
10061-02-6	trans-1,3-Dichloropropene	0.9	J
79-00-5	1,1,2-Trichloroethane	0.9	J
591-78-6	2-Hexanone	5	
142-28-9	1,3-Dichloropropane	1	

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LFBMEOC

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEO001CQV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	0.9	J
124-48-1	Dibromochloromethane	0.8	J
106-93-4	1,2-Dibromoethane	0.9	J
108-90-7	Chlorobenzene	0.9	J
630-20-6	1,1,1,2-Tetrachloroethane	0.9	J
100-41-4	Ethylbenzene	0.9	J
1330-20-7	Xylene (total)	3	
100-42-5	Styrene	0.9	J
75-25-2	Bromoform	0.7	J
98-82-8	Isopropylbenzene	0.9	J
79-34-5	1,1,2,2-Tetrachloroethane	1	
96-18-4	1,2,3-Trichloropropane	1	
108-86-1	Bromobenzene	0.9	J
103-65-1	n-Propylbenzene	0.9	J
95-49-8	2-Chlorotoluene	0.9	J
108-67-8	1,3,5-Trimethylbenzene	0.9	J
106-43-4	4-Chlorotoluene	0.9	J
98-06-6	tert-Butylbenzene	0.9	J
95-63-6	1,2,4-Trimethylbenzene	1	
135-98-8	sec-Butylbenzene	0.9	J
99-87-6	p-Isopropyltoluene	0.9	J
541-73-1	1,3-Dichlorobenzene	0.9	J
106-46-7	1,4-Dichlorobenzene	0.9	J
104-51-8	n-Butylbenzene	1	
95-50-1	1,2-Dichlorobenzene	0.9	J
96-12-8	1,2-Dibromo-3-Chloropropane	1	
120-82-1	1,2,4-Trichlorobenzene	1	
87-68-3	Hexachlorobutadiene	1	
91-20-3	Naphthalene	1	
87-61-6	1,2,3-Trichlorobenzene	1	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LFBMEOD

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEO004DQV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	
74-87-3	Chloromethane	1	
75-01-4	Vinyl Chloride	1	
74-83-9	Bromomethane	1	
75-00-3	Chloroethane	1	
75-69-4	Trichlorofluoromethane	1	
67-64-1	Acetone	12	
75-35-4	1,1-Dichloroethene	1	
156-60-5	trans-1,2-Dichloroethene	1	
75-15-0	Carbon Disulfide	1	
75-09-2	Methylene Chloride	1	
75-34-3	1,1-Dichloroethane	1	
156-59-2	cis-1,2-Dichloroethene	0.9	J
78-93-3	2-Butanone	7	
590-20-7	2,2-Dichloropropane	1	
67-66-3	Chloroform	1	
74-97-5	Bromochloromethane	1	
71-55-6	1,1,1-Trichloroethane	1	
563-58-6	1,1-Dichloropropene	1	
56-23-5	Carbon Tetrachloride	0.9	J
107-06-2	1,2-Dichloroethane	1	
71-43-2	Benzene	1	
79-01-6	Trichloroethene	1	
78-87-5	1,2-Dichloropropane	1	
75-27-4	Bromodichloromethane	1	
74-95-3	Dibromomethane	1	
108-10-1	4-Methyl-2-Pentanone	5	
10061-01-5	cis-1,3-Dichloropropene	1	
108-88-3	Toluene	1	
10061-02-6	trans-1,3-Dichloropropene	0.9	J
79-00-5	1,1,2-Trichloroethane	1	
591-78-6	2-Hexanone	7	
142-28-9	1,3-Dichloropropane	1	

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LFBMEOD

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MEO004DQV.D

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

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	1	
124-48-1	Dibromochloromethane	0.9	J
106-93-4	1,2-Dibromoethane	1	
108-90-7	Chlorobenzene	1	
630-20-6	1,1,1,2-Tetrachloroethane	0.9	J
100-41-4	Ethylbenzene	1	
1330-20-7	Xylene (total)	3	
100-42-5	Styrene	0.9	J
75-25-2	Bromoform	0.9	J
98-82-8	Isopropylbenzene	0.9	J
79-34-5	1,1,2,2-Tetrachloroethane	1	
96-18-4	1,2,3-Trichloropropane	1	
108-86-1	Bromobenzene	0.9	J
103-65-1	n-Propylbenzene	0.9	J
95-49-8	2-Chlorotoluene	1	
108-67-8	1,3,5-Trimethylbenzene	0.9	J
106-43-4	4-Chlorotoluene	1	
98-06-6	tert-Butylbenzene	1	
95-63-6	1,2,4-Trimethylbenzene	1	
135-98-8	sec-Butylbenzene	0.9	J
99-87-6	p-Isopropyltoluene	1	
541-73-1	1,3-Dichlorobenzene	1	
106-46-7	1,4-Dichlorobenzene	1	
104-51-8	n-Butylbenzene	1	
95-50-1	1,2-Dichlorobenzene	1	
96-12-8	1,2-Dibromo-3-Chloropropane	1	
120-82-1	1,2,4-Trichlorobenzene	1	
87-68-3	Hexachlorobutadiene	1	
91-20-3	Naphthalene	0.9	J
87-61-6	1,2,3-Trichlorobenzene	1	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW36MS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286225MS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286225MSV.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	10	
74-87-3	Chloromethane	10	
75-01-4	Vinyl Chloride	10	
74-83-9	Bromomethane	10	
75-00-3	Chloroethane	12	
75-69-4	Trichlorofluoromethane	10	
67-64-1	Acetone	27	
75-35-4	1,1-Dichloroethene	10	
156-60-5	trans-1,2-Dichloroethene	9	
75-15-0	Carbon Disulfide	8	
75-09-2	Methylene Chloride	9	
75-34-3	1,1-Dichloroethane	10	
156-59-2	cis-1,2-Dichloroethene	10	
78-93-3	2-Butanone	27	
590-20-7	2,2-Dichloropropane	10	
67-66-3	Chloroform	10	
74-97-5	Bromochloromethane	9	
71-55-6	1,1,1-Trichloroethane	10	
563-58-6	1,1-Dichloropropene	10	
56-23-5	Carbon Tetrachloride	10	
107-06-2	1,2-Dichloroethane	10	
71-43-2	Benzene	10	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	10	
75-27-4	Bromodichloromethane	9	
74-95-3	Dibromomethane	10	
108-10-1	4-Methyl-2-Pentanone	26	
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	27	
142-28-9	1,3-Dichloropropane	10	

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW36MS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286225MS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286225MSV.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	9	
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	10	
1330-20-7	Xylene (total)	31	
100-42-5	Styrene	9	
75-25-2	Bromoform	8	
98-82-8	Isopropylbenzene	10	
79-34-5	1,1,2,2-Tetrachloroethane	10	
96-18-4	1,2,3-Trichloropropane	10	
108-86-1	Bromobenzene	10	
103-65-1	n-Propylbenzene	10	
95-49-8	2-Chlorotoluene	10	
108-67-8	1,3,5-Trimethylbenzene	10	
106-43-4	4-Chlorotoluene	10	
98-06-6	tert-Butylbenzene	10	
95-63-6	1,2,4-Trimethylbenzene	10	
135-98-8	sec-Butylbenzene	10	
99-87-6	p-Isopropyltoluene	10	
541-73-1	1,3-Dichlorobenzene	10	
106-46-7	1,4-Dichlorobenzene	10	
104-51-8	n-Butylbenzene	10	
95-50-1	1,2-Dichlorobenzene	10	
96-12-8	1,2-Dibromo-3-Chloropropane	11	
120-82-1	1,2,4-Trichlorobenzene	10	
87-68-3	Hexachlorobutadiene	10	
91-20-3	Naphthalene	11	
87-61-6	1,2,3-Trichlorobenzene	10	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW36MSD

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286225MD

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286225MDV.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	10	
74-87-3	Chloromethane	10	
75-01-4	Vinyl Chloride	10	
74-83-9	Bromomethane	10	
75-00-3	Chloroethane	11	
75-69-4	Trichlorofluoromethane	10	
67-64-1	Acetone	28	
75-35-4	1,1-Dichloroethene	10	
156-60-5	trans-1,2-Dichloroethene	10	
75-15-0	Carbon Disulfide	7	
75-09-2	Methylene Chloride	10	
75-34-3	1,1-Dichloroethane	10	
156-59-2	cis-1,2-Dichloroethene	10	
78-93-3	2-Butanone	27	
590-20-7	2,2-Dichloropropane	10	
67-66-3	Chloroform	10	
74-97-5	Bromochloromethane	10	
71-55-6	1,1,1-Trichloroethane	10	
563-58-6	1,1-Dichloropropene	10	
56-23-5	Carbon Tetrachloride	9	
107-06-2	1,2-Dichloroethane	10	
71-43-2	Benzene	10	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	10	
75-27-4	Bromodichloromethane	9	
74-95-3	Dibromomethane	10	
108-10-1	4-Methyl-2-Pentanone	27	
10061-01-5	cis-1,3-Dichloropropene	9	
108-88-3	Toluene	10	
10061-02-6	trans-1,3-Dichloropropene	10	
79-00-5	1,1,2-Trichloroethane	10	
591-78-6	2-Hexanone	28	
142-28-9	1,3-Dichloropropane	10	

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW36MSD

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix: (soil/water) WATER Lab Sample ID: 286225MD

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M286225MDV.D

Level: (low/med) LOW Date Received: 01/16/96

% Moisture: not dec. _____ Data Analyzed: 01/22/96

GC Column:CAP 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	9	
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	10	
1330-20-7	Xylene (total)	30	
100-42-5	Styrene	9	
75-25-2	Bromoform	8	
98-82-8	Isopropylbenzene	10	
79-34-5	1,1,2,2-Tetrachloroethane	11	
96-18-4	1,2,3-Trichloropropane	10	
108-86-1	Bromobenzene	10	
103-65-1	n-Propylbenzene	9	
95-49-8	2-Chlorotoluene	10	
108-67-8	1,3,5-Trimethylbenzene	9	
106-43-4	4-Chlorotoluene	10	
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	10	
106-46-7	1,4-Dichlorobenzene	10	
104-51-8	n-Butylbenzene	9	
95-50-1	1,2-Dichlorobenzene	10	
96-12-8	1,2-Dibromo-3-Chloropropane	11	
120-82-1	1,2,4-Trichlorobenzene	10	
87-68-3	Hexachlorobutadiene	9	
91-20-3	Naphthalene	11	
87-61-6	1,2,3-Trichlorobenzene	10	

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (BFB) #	SMC3 (DCB) #	OTHER	TOT OUT
01	LFBMEOA	100	100	97		0
02	VBLKS9	90	97	96		0
03	MW27	94	93	90		0
04	MW30	99	94	88		0
05	MW40	100	98	91		0
06	MW59	96	96	89		0
07	MW60	103	90	88		0
08	PT11	99	94	88		0
09	PT19	105	97	89		0
10	TB11396	100	94	88		0
11	LFBMEOB	96	89	91		0
12	VBLKT3	101	101	96		0
13	BNS	101	100	95		0
14	FHD	103	94	88		0
15	FHS	96	94	89		0
16	TB11096	98	93	91		0
17	LFBMEOC	103	96	99		0
18	VBLKT9	98	90	92		0
19	MW36	98	99	96		0
20	MW36MS	92	94	98		0
21	MW36MSD	92	95	99		0
22	MW36R	105	100	100		0
23	MW45	94	97	97		0
24	MW47	99	95	96		0
25	MW48	101	94	94		0
26	MW56	102	93	96		0
27	LFBMEOD	110	99	101		0
28	VBLKU2	114	98	101		0
29	MW336	115	100	98		0
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

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Matrix Spike - EPA Sample No.: MW36

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Vinyl Chloride	10	0	10	100	80-120
Carbon Tetrachloride	10	0	10	100	80-120
1,2-Dichloroethane	10	0	10	100	80-120
Benzene	10	0	10	100	80-120
Trichloroethene	10	0	10	100	80-120
1,2-Dichloropropane	10	0	10	100	80-120
cis-1,3-Dichloropropene	10	0	9	90	80-120
1,1,2-Trichloroethane	10	0	10	100	80-120
2-Hexanone	25	0	27	108	80-120
Tetrachloroethene	10	0	9	90	80-120
1,2-Dibromoethane	10	0	10	100	80-120
Bromoform	10	0	8	80	80-120
1,4-Dichlorobenzene	10	0	10	100	80-120

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl Chloride	10	10	100	0	13	80-120
Carbon Tetrachloride	10	9	90	10	13	80-120
1,2-Dichloroethane	10	10	100	0	13	80-120
Benzene	10	10	100	0	13	80-120
Trichloroethene	10	10	100	0	13	80-120
1,2-Dichloropropane	10	10	100	0	13	80-120
cis-1,3-Dichloropropene	10	9	90	0	13	80-120
1,1,2-Trichloroethane	10	10	100	0	13	80-120
2-Hexanone	25	28	112	4	13	80-120
Tetrachloroethene	10	9	90	0	13	80-120
1,2-Dibromoethane	10	10	100	0	13	80-120
Bromoform	10	8	80	0	13	80-120
1,4-Dichlorobenzene	10	10	100	0	13	80-120

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 13 outside limits
Spike Recovery: 0 out of 26 outside limits

COMMENTS: _____

LFB RECOVERY REPORT

Client Name: ENGSC2
Sample Matrix: LIQUID
Lab Smp Id: LFBMEOA
Level: LOW
Data Type: MS DATA
SpikeList File: lfbver3ketcs2.spk

Client SDG: 56202
Fraction: VOA
Client Smp ID: LFBMEOA
Operator: GWG
SampleType: MS
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	Dichlorodifluorome	1	1	100.66	60-140
2	Chloromethane	1	1	102.94	60-140
3	Vinyl Chloride	1	1	101.53	60-140
4	Bromomethane	1	1	120.23	60-140
5	Chloroethane	1	1	125.89	60-140
6	Trichlorofluoromet	1	1	101.19	60-140
7	1,1-Dichloroethene	1	0.9	93.42	60-140
8	Acetone	5	7	144.04*	60-140
9	Carbon Disulfide	1	1.0	99.68	60-140
10	Methylene Chloride	1	1	103.29	60-140
11	trans-1,2-Dichloro	1	1.0	96.18	60-140
13	1,1-Dichloroethane	1	1.0	98.78	60-140
14	2,2-Dichloropropan	1	1	101.80	60-140
15	cis-1,2-Dichloroet	1	1.0	99.06	60-140
16	2-Butanone	5	5	96.22	60-140
17	Bromochloromethane	1	0.9	88.32	60-140
19	Chloroform	1	1.0	98.12	60-140
20	1,1,1-Trichloroeth	1	1	100.49	60-140
21	Carbon Tetrachlori	1	1.0	98.01	60-140
22	1,1-Dichloropropen	1	1.0	96.12	60-140
24	Benzene	1	1	104.73	60-140
25	1,2-Dichloroethane	1	1.0	98.20	60-140
27	Trichloroethene	1	1.0	96.63	60-140
28	1,2-Dichloropropan	1	1	100.84	60-140
29	Dibromomethane	1	0.9	93.76	60-140
31	Bromodichlorometha	1	1.0	99.05	60-140
32	cis-1,3-Dichloropr	1	1.0	97.89	60-140
33	4-Methyl-2-Pentano	5	5	105.61	60-140
34	Toluene	1	0.9	94.77	60-140
35	trans-1,3-Dichloro	1	1.0	97.21	60-140
36	1,1,2-Trichloroeth	1	1	100.06	60-140
37	Tetrachloroethene	1	1.0	99.40	60-140
38	1,3-Dichloropropan	1	1.0	99.26	60-140
39	2-Hexanone	5	6	113.25	60-140
40	Dibromochlorometha	1	1.0	95.27	60-140
41	1,2-Dibromoethane	1	1.0	98.15	60-140

LFB RECOVERY REPORT

Client Name: ENGSC2
Sample Matrix: LIQUID
Lab Smp Id: LFBMEOA
Level: LOW
Data Type: MS DATA
SpikeList File: lfbver3ketcs2.spk

Client SDG: 56202
Fraction: VOA
Client Smp ID: LFBMEOA
Operator: GWG
SampleType: MS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	43 Chlorobenzene	1	1	100.42	60-140
	44 1,1,1,2-Tetrachlor	1	0.9	91.36	60-140
	45 Ethylbenzene	1	1.0	98.12	60-140
	46 m- & p-Xylene	2	2	99.14	60-140
	47 o-Xylene	1	1.0	96.17	60-140
M	48 Xylene (total)	3	3	102.12	60-140
	49 Styrene	1	0.9	91.81	60-140
	50 Bromoform	1	0.9	89.67	60-140
	51 Isopropylbenzene	1	1	100.01	60-140
	53 Bromobenzene	1	1.0	96.90	60-140
	54 1,1,2,2-Tetrachlor	1	1	102.29	60-140
	55 1,2,3-Trichloropro	1	1	103.61	60-140
	56 n-Propylbenzene	1	1.0	95.16	60-140
	57 2-Chlorotoluene	1	1	100.73	60-140
	58 4-Chlorotoluene	1	0.9	91.89	60-140
	59 1,3,5-Trimethylben	1	1.0	98.41	60-140
	60 tert-Butylbenzene	1	1.0	97.87	60-140
	61 1,2,4-Trimethylben	1	1	105.37	60-140
	62 sec-Butylbenzene	1	1.0	99.60	60-140
	63 1,3-Dichlorobenzen	1	1	100.35	60-140
	65 p-Isopropyltoluene	1	1.0	96.93	60-140
	66 1,4-Dichlorobenzen	1	1.0	97.87	60-140
	68 1,2-Dichlorobenzen	1	1.0	95.70	60-140
	69 n-Butylbenzene	1	1.0	97.83	60-140
	70 1,2-Dibromo-3-Chlo	1	1	104.76	60-140
	71 1,2,4-Trichloroben	1	1.0	98.50	60-140
	72 Hexachlorobutadien	1	1	114.12	60-140
	73 Naphthalene	1	1	104.92	60-140
	74 1,2,3-Trichloroben	1	1.0	99.35	60-140

	SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$	23 1,2-Dichloroethane	2	2	99.97	83-143
$	52 Bromofluorobenzene	2	2	99.62	86-115
$	67 1,2-Dichlorobenzen	2	2	97.26	80-120

LFB RECOVERY REPORT

Client Name: ENGSC2
Sample Matrix: LIQUID
Lab Smp Id: LFBMEOB
Level: LOW
Data Type: MS DATA
SpikeList File: lfbver3ketcs2.spk

Client SDG: 56202
Fraction: VOA
Client Smp ID: LFBMEOB
Operator: CMP
SampleType: MS
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	Dichlorodifluorome	1	0.9	90.13	60-140
2	Chloromethane	1	1.0	95.29	60-140
3	Vinyl Chloride	1	0.9	88.88	60-140
4	Bromomethane	1	1	100.36	60-140
5	Chloroethane	1	1	118.69	60-140
6	Trichlorofluoromet	1	0.9	91.75	60-140
7	1,1-Dichloroethene	1	0.9	89.87	60-140
8	Acetone	5	6	123.77	60-140
9	Carbon Disulfide	1	1.0	95.83	60-140
10	Methylene Chloride	1	0.9	90.60	60-140
11	trans-1,2-Dichloro	1	0.9	90.65	60-140
13	1,1-Dichloroethane	1	0.9	87.06	60-140
14	2,2-Dichloropropan	1	0.9	92.28	60-140
15	cis-1,2-Dichloroet	1	0.9	86.32	60-140
16	2-Butanone	5	5	96.10	60-140
17	Bromochloromethane	1	0.8	81.38	60-140
19	Chloroform	1	1.0	96.03	60-140
20	1,1,1-Trichloroeth	1	0.9	90.04	60-140
21	Carbon Tetrachlori	1	0.9	89.18	60-140
22	1,1-Dichloropropen	1	0.8	84.48	60-140
24	Benzene	1	0.9	94.71	60-140
25	1,2-Dichloroethane	1	0.9	86.78	60-140
27	Trichloroethene	1	0.9	87.72	60-140
28	1,2-Dichloropropan	1	0.9	88.07	60-140
29	Dibromomethane	1	0.8	85.57	60-140
31	Bromodichlorometha	1	0.9	94.10	60-140
32	cis-1,3-Dichloropr	1	0.9	89.53	60-140
33	4-Methyl-2-Pentano	5	5	92.20	60-140
34	Toluene	1	0.9	90.76	60-140
35	trans-1,3-Dichloro	1	0.8	85.92	60-140
36	1,1,2-Trichloroeth	1	0.9	91.40	60-140
37	Tetrachloroethene	1	1.0	95.27	60-140
38	1,3-Dichloropropan	1	0.9	89.19	60-140
39	2-Hexanone	5	5	100.31	60-140
40	Dibromochlorometha	1	0.9	89.90	60-140
41	1,2-Dibromoethane	1	0.9	88.48	60-140

LFB RECOVERY REPORT

Client Name: ENGSC2
Sample Matrix: LIQUID
Lab Smp Id: LFBMEOB
Level: LOW
Data Type: MS DATA
SpikeList File: lfbver3ketcs2.spk

Client SDG: 56202
Fraction: VOA
Client Smp ID: LFBMEOB
Operator: CMP
SampleType: MS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	43 Chlorobenzene	1	0.9	92.34	60-140
	44 1,1,1,2-Tetrachlor	1	0.9	89.55	60-140
	45 Ethylbenzene	1	0.9	92.91	60-140
	46 m- & p-Xylene	2	2	90.88	60-140
	47 o-Xylene	1	0.9	88.10	60-140
M	48 Xylene (total)	3	3	93.28	60-140
	49 Styrene	1	0.9	86.24	60-140
	50 Bromoform	1	0.9	86.69	60-140
	51 Isopropylbenzene	1	0.9	90.66	60-140
	53 Bromobenzene	1	0.9	88.53	60-140
	54 1,1,2,2-Tetrachlor	1	0.9	92.41	60-140
	55 1,2,3-Trichloropro	1	1.0	95.78	60-140
	56 n-Propylbenzene	1	0.9	89.30	60-140
	57 2-Chlorotoluene	1	0.9	88.96	60-140
	58 4-Chlorotoluene	1	0.9	87.81	60-140
	59 1,3,5-Trimethylben	1	0.9	91.02	60-140
	60 tert-Butylbenzene	1	0.9	94.22	60-140
	61 1,2,4-Trimethylben	1	1.0	99.36	60-140
	62 sec-Butylbenzene	1	1.0	96.85	60-140
	63 1,3-Dichlorobenzen	1	0.9	86.85	60-140
	65 p-Isopropyltoluene	1	0.9	93.51	60-140
	66 1,4-Dichlorobenzen	1	0.9	93.38	60-140
	68 1,2-Dichlorobenzen	1	0.9	90.32	60-140
	69 n-Butylbenzene	1	1.0	98.92	60-140
	70 1,2-Dibromo-3-Chlo	1	1	102.43	60-140
	71 1,2,4-Trichloroben	1	1	103.41	60-140
	72 Hexachlorobutadien	1	1	118.74	60-140
	73 Naphthalene	1	1	102.60	60-140
	74 1,2,3-Trichloroben	1	1	105.58	60-140

	SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$	23 1,2-Dichloroethane	2	2	96.43	83-143
$	52 Bromofluorobenzene	2	2	89.49	86-115
$	67 1,2-Dichlorobenzen	2	2	91.36	80-120

LFB RECOVERY REPORT

Client Name: ENGSC2
Sample Matrix: LIQUID
Lab Smp Id: LFBMEOC
Level: LOW
Data Type: MS DATA
SpikeList File: lfbver3ketcs2.spk

Client SDG: 56202
Fraction: VOA
Client Smp ID: LFBMEOC
Operator: CMP
SampleType: MS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	Dichlorodifluorome	1	0.8	79.16	60-140
2	Chloromethane	1	0.9	86.03	60-140
3	Vinyl Chloride	1	0.8	84.77	60-140
4	Bromomethane	1	1.0	95.65	60-140
5	Chloroethane	1	1	106.45	60-140
6	Trichlorofluoromet	1	0.8	84.83	60-140
7	1,1-Dichloroethene	1	0.9	87.03	60-140
8	Acetone	5	6	129.04	60-140
9	Carbon Disulfide	1	0.9	86.39	60-140
10	Methylene Chloride	1	0.9	94.54	60-140
11	trans-1,2-Dichloro	1	0.8	84.92	60-140
13	1,1-Dichloroethane	1	0.9	88.71	60-140
14	2,2-Dichloropropan	1	0.9	94.26	60-140
15	cis-1,2-Dichloroet	1	0.9	88.69	60-140
16	2-Butanone	5	5	101.62	60-140
17	Bromochloromethane	1	0.8	85.87	60-140
19	Chloroform	1	0.9	93.01	60-140
20	1,1,1-Trichloroeth	1	0.9	86.46	60-140
21	Carbon Tetrachlori	1	0.9	87.83	60-140
22	1,1-Dichloropropen	1	0.9	86.78	60-140
24	Benzene	1	0.9	92.43	60-140
25	1,2-Dichloroethane	1	0.9	91.16	60-140
27	Trichloroethene	1	0.9	88.79	60-140
28	1,2-Dichloropropan	1	0.9	90.65	60-140
29	Dibromomethane	1	0.9	90.85	60-140
31	Bromodichlorometha	1	0.9	90.41	60-140
32	cis-1,3-Dichloropr	1	0.9	90.04	60-140
33	4-Methyl-2-Pentano	5	5	101.54	60-140
34	Toluene	1	0.9	86.40	60-140
35	trans-1,3-Dichloro	1	0.9	89.56	60-140
36	1,1,2-Trichloroeth	1	0.9	93.88	60-140
37	Tetrachloroethene	1	0.9	88.75	60-140
38	1,3-Dichloropropan	1	1.0	95.48	60-140
39	2-Hexanone	5	5	104.51	60-140
40	Dibromochlorometha	1	0.8	82.67	60-140
41	1,2-Dibromoethane	1	0.9	93.88	60-140

LFB RECOVERY REPORT

Client Name: ENGSC2
Sample Matrix: LIQUID
Lab Smp Id: LFBMEOC
Level: LOW
Data Type: MS DATA
SpikeList File: lfbver3ketcs2.spk

Client SDG: 56202
Fraction: VOA
Client Smp ID: LFBMEOC
Operator: CMP
SampleType: MS
Quant Type: ISTD

	SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	43	Chlorobenzene	1	0.9	91.06	60-140
	44	1,1,1,2-Tetrachlor	1	0.9	89.33	60-140
	45	Ethylbenzene	1	0.9	91.84	60-140
	46	m- & p-Xylene	2	2	90.83	60-140
	47	o-Xylene	1	0.9	87.73	60-140
M	48	Xylene (total)	3	3	94.22	60-140
	49	Styrene	1	0.9	88.57	60-140
	50	Bromoform	1	0.7	72.33	60-140
	51	Isopropylbenzene	1	0.9	88.16	60-140
	53	Bromobenzene	1	0.9	94.67	60-140
	54	1,1,2,2-Tetrachlor	1	1.0	96.65	60-140
	55	1,2,3-Trichloropro	1	1.0	98.71	60-140
	56	n-Propylbenzene	1	0.9	90.21	60-140
	57	2-Chlorotoluene	1	0.9	92.11	60-140
	58	4-Chlorotoluene	1	0.9	88.10	60-140
	59	1,3,5-Trimethylben	1	0.9	89.34	60-140
	60	tert-Butylbenzene	1	0.9	92.27	60-140
	61	1,2,4-Trimethylben	1	1.0	97.12	60-140
	62	sec-Butylbenzene	1	0.9	94.04	60-140
	63	1,3-Dichlorobenzen	1	0.9	94.32	60-140
	65	p-Isopropyltoluene	1	0.9	91.80	60-140
	66	1,4-Dichlorobenzen	1	0.9	94.40	60-140
	68	1,2-Dichlorobenzen	1	0.9	92.01	60-140
	69	n-Butylbenzene	1	1.0	96.96	60-140
	70	1,2-Dibromo-3-Chlo	1	1	109.91	60-140
	71	1,2,4-Trichloroben	1	1	102.80	60-140
	72	Hexachlorobutadien	1	1	109.07	60-140
	73	Naphthalene	1	1	114.03	60-140
	74	1,2,3-Trichloroben	1	1	108.66	60-140

	SURROGATE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$	23	1,2-Dichloroethane	2	2	103.19	83-143
$	52	Bromofluorobenzene	2	2	95.87	86-115
$	67	1,2-Dichlorobenzen	2	2	98.70	80-120

LFB RECOVERY REPORT

Client Name: ENGSC2
Sample Matrix: LIQUID
Lab Smp Id: LFBMEOD
Level: LOW
Data Type: MS DATA
SpikeList File: lfbver3ketcs2.spk

Client SDG: 56202
Fraction: VOA
Client Smp ID: LFBMEOD
Operator: GWG
SampleType: MS
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	Dichlorodifluorome	1	1.0	96.72	60-140
2	Chloromethane	1	1	100.57	60-140
3	Vinyl Chloride	1	1	101.99	60-140
4	Bromomethane	1	1	127.66	60-140
5	Chloroethane	1	1	106.36	60-140
6	Trichlorofluoromet	1	1.0	97.97	60-140
7	1,1-Dichloroethene	1	1.0	95.89	60-140
8	Acetone	5	12	235.01*	60-140
9	Carbon Disulfide	1	1.0	95.10	60-140
10	Methylene Chloride	1	1	100.13	60-140
11	trans-1,2-Dichloro	1	1.0	96.27	60-140
13	1,1-Dichloroethane	1	1.0	99.86	60-140
14	2,2-Dichloropropan	1	1	100.13	60-140
15	cis-1,2-Dichloroet	1	0.9	93.99	60-140
16	2-Butanone	5	7	140.63*	60-140
17	Bromochloromethane	1	1.0	99.16	60-140
19	Chloroform	1	1.0	99.24	60-140
20	1,1,1-Trichloroeth	1	1.0	96.68	60-140
21	Carbon Tetrachlori	1	0.9	93.00	60-140
22	1,1-Dichloropropen	1	1.0	97.59	60-140
24	Benzene	1	1	103.51	60-140
25	1,2-Dichloroethane	1	1.0	98.63	60-140
27	Trichloroethene	1	1.0	98.05	60-140
28	1,2-Dichloropropan	1	1	105.63	60-140
29	Dibromomethane	1	1	100.69	60-140
31	Bromodichlorometha	1	1.0	96.79	60-140
32	cis-1,3-Dichloropr	1	1.0	97.13	60-140
33	4-Methyl-2-Pentano	5	5	105.03	60-140
34	Toluene	1	1.0	97.46	60-140
35	trans-1,3-Dichloro	1	0.9	94.81	60-140
36	1,1,2-Trichloroeth	1	1	103.48	60-140
37	Tetrachloroethene	1	1.0	99.93	60-140
38	1,3-Dichloropropan	1	1.0	99.73	60-140
39	2-Hexanone	5	7	144.71*	60-140
40	Dibromochlorometha	1	0.9	92.50	60-140
41	1,2-Dibromoethane	1	1.0	97.06	60-140

LFB RECOVERY REPORT

Client Name: ENGSC2
Sample Matrix: LIQUID
Lab Smp Id: LFBMEOD
Level: LOW
Data Type: MS DATA
SpikeList File: lfbver3ketcs2.spk

Client SDG: 56202
Fraction: VOA
Client Smp ID: LFBMEOD
Operator: GWG
SampleType: MS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	43 Chlorobenzene	1	1.0	96.34	60-140
	44 1,1,1,2-Tetrachlor	1	0.9	92.14	60-140
	45 Ethylbenzene	1	1.0	95.50	60-140
	46 m- & p-Xylene	2	2	97.35	60-140
	47 o-Xylene	1	0.9	91.35	60-140
M	48 Xylene (total)	3	3	98.76	60-140
	49 Styrene	1	0.9	93.96	60-140
	50 Bromoform	1	0.9	87.40	60-140
	51 Isopropylbenzene	1	0.9	94.24	60-140
	53 Bromobenzene	1	0.9	94.05	60-140
	54 1,1,2,2-Tetrachlor	1	1.0	98.03	60-140
	55 1,2,3-Trichloropro	1	1	101.29	60-140
	56 n-Propylbenzene	1	0.9	94.21	60-140
	57 2-Chlorotoluene	1	1.0	96.87	60-140
	58 4-Chlorotoluene	1	1.0	96.70	60-140
	59 1,3,5-Trimethylben	1	0.9	93.71	60-140
	60 tert-Butylbenzene	1	1.0	95.53	60-140
	61 1,2,4-Trimethylben	1	1.0	95.71	60-140
	62 sec-Butylbenzene	1	0.9	93.85	60-140
	63 1,3-Dichlorobenzen	1	1.0	96.77	60-140
	65 p-Isopropyltoluene	1	1.0	95.15	60-140
	66 1,4-Dichlorobenzen	1	1	100.65	60-140
	68 1,2-Dichlorobenzen	1	1	101.15	60-140
	69 n-Butylbenzene	1	1.0	97.50	60-140
	70 1,2-Dibromo-3-Chlo	1	1.0	97.87	60-140
	71 1,2,4-Trichloroben	1	1.0	97.42	60-140
	72 Hexachlorobutadien	1	1	108.32	60-140
	73 Naphthalene	1	0.9	91.60	60-140
	74 1,2,3-Trichloroben	1	1.0	97.35	60-140

	SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$	23 1,2-Dichloroethane	2	2	109.66	83-143
$	52 Bromofluorobenzene	2	2	98.83	86-115
$	67 1,2-Dichlorobenzen	2	2	101.08	80-120

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKS9

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Lab File ID: MEOB003AV.D Lab Sample ID: VBLKS9

Date Analyzed: 01/17/96 Time Analyzed: 1734

GC Column:CAP 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	LFBMEOA	LFBMEOA	MEOB002AV.D	1646
02	MW27	286062	M286062V.D	1853
03	MW30	286063	M286063V.D	1936
04	MW40	286064	M286064V.D	2009
05	MW59	286065	M286065V.D	2043
06	MW60	286066	M286066V.D	2117
07	PT11	286067	M286067V.D	2151
08	PT19	286068	M286068V.D	2225
09	TB11396	286069	M286069V.D	2259
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKT3

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Lab File ID: MEOB001BV.D Lab Sample ID: VBLKT3

Date Analyzed: 01/18/96 Time Analyzed: 1052

GC Column:CAP 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	LFBMEOB	LFBMEOB	MEO001BQV.D	1016
02	BNS	285812	M285812V.D	1411
03	FHD	285813	M285813V.D	1445
04	FHS	285814	M285814V.D	1519
05	TB11096	285815	M285815V.D	1551
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKT9

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Lab File ID: MEOB001CV.D Lab Sample ID: VBLKT9

Date Analyzed: 01/22/96 Time Analyzed: 1144

GC Column:CAP 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	LFBMEOC	LFBMEOC	MEO001CQV.D	1107
02	MW36	286225	M286225V.D	1228
03	MW36MS	286225MS	M286225MSV.D	1303
04	MW36MSD	286225MD	M286225MDV.D	1338
05	MW36R	286226	M286226V.D	1555
06	MW45	286227	M286227V.D	1630
07	MW47	286228	M286228V.D	1704
08	MW48	286229	M286229V.D	1737
09	MW56	286230	M286230V.D	1811
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKU2

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Lab File ID: MEOB003DV.D Lab Sample ID: VBLKU2

Date Analyzed: 01/22/96 Time Analyzed: 2231

GC Column:CAP 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	LFBMEOD	LFBMEOD	MEO004DQV.D	2158
02	MW336	286232	M286232V.D	0444
03				
04				
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COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Lab File ID: MEN004PV.D BFB Injection Date: 01/17/96

Instrument ID: M BFB Injection Time: 0929

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.8
75	30.0 - 80.0% of mass 95	49.3
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	68.2
175	5.0 - 9.0% of mass 174	5.0 (7.3)1
176	95.0 - 101.0% of mass 174	67.2 (98.6)1
177	5.0 - 9.0% of mass 176	4.7 (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	MEN050B2HV.D	01/17/96	1027
02	VSTD002	VSTD002	MEO002HV.D	01/17/96	1142
03	VSTD005	VSTD005	MEO005HV.D	01/17/96	1222
04	VSTD020	VSTD020	MEO020HV.D	01/17/96	1255
05	VSTD030	VSTD030	MEO030HV.D	01/17/96	1330
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Lab File ID: ME0002PV.D BFB Injection Date: 01/17/96

Instrument ID: M BFB Injection Time: 1506

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.0
75	30.0 - 80.0% of mass 95	49.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	68.0
175	5.0 - 9.0% of mass 174	4.8 (7.0)1
176	95.0 - 101.0% of mass 174	67.4 (99.0)1
177	5.0 - 9.0% of mass 176	5.0 (7.4)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	ME0010AHV.D	01/17/96	1512
02	LFBME0A	LFBME0A	ME0B002AV.D	01/17/96	1646
03	VBLKS9	VBLKS9	ME0B003AV.D	01/17/96	1734
04	MW27	286062	M286062V.D	01/17/96	1853
05	MW30	286063	M286063V.D	01/17/96	1936
06	MW40	286064	M286064V.D	01/17/96	2009
07	MW59	286065	M286065V.D	01/17/96	2043
08	MW60	286066	M286066V.D	01/17/96	2117
09	PT11	286067	M286067V.D	01/17/96	2151
10	PT19	286068	M286068V.D	01/17/96	2225
11	TB11396	286069	M286069V.D	01/17/96	2259
12	VSTD0005	VSTD0005	ME0003AV.D	01/18/96	0117
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14					
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21					
22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Lab File ID: MEO003PV.D BFB Injection Date: 01/18/96

Instrument ID: M BFB Injection Time: 0835

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.1
75	30.0 - 80.0% of mass 95	52.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.2 (7.8)1
176	95.0 - 101.0% of mass 174	66.5 (98.8)1
177	5.0 - 9.0% of mass 176	4.6 (6.9)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	MEO010BHV.D	01/18/96	0842
02	LFBMEOB	LFBMEOB	MEO001BQV.D	01/18/96	1016
03	VBLKT3	VBLKT3	MEOB001BV.D	01/18/96	1052
04	VSTD0005	VSTD0005	MEOB002BV.D	01/18/96	1133
05	BNS	285812	M285812V.D	01/18/96	1411
06	FHD	285813	M285813V.D	01/18/96	1445
07	FHS	285814	M285814V.D	01/18/96	1519
08	TB11096	285815	M285815V.D	01/18/96	1551
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Lab File ID: MEO005PV.D BFB Injection Date: 01/22/96

Instrument ID: M BFB Injection Time: 0955

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.5
75	30.0 - 80.0% of mass 95	50.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	67.1
175	5.0 - 9.0% of mass 174	4.9 (7.3)1
176	95.0 - 101.0% of mass 174	67.2 (100.2)1
177	5.0 - 9.0% of mass 176	4.9 (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	MEO010CHV.D	01/22/96	1012
02	LFBMEOC	LFBMEOC	MEO001CQV.D	01/22/96	1107
03	VBLKT9	VBLKT9	MEOB001CV.D	01/22/96	1144
04	MW36	286225	M286225V.D	01/22/96	1228
05	MW36MS	286225MS	M286225MSV.D	01/22/96	1303
06	MW36MSD	286225MD	M286225MDV.D	01/22/96	1338
07	VSTD0005	VSTD0005	MEOB002CV.D	01/22/96	1521
08	MW36R	286226	M286226V.D	01/22/96	1555
09	MW45	286227	M286227V.D	01/22/96	1630
10	MW47	286228	M286228V.D	01/22/96	1704
11	MW48	286229	M286229V.D	01/22/96	1737
12	MW56	286230	M286230V.D	01/22/96	1811
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Lab File ID: MEO006PV.D BFB Injection Date: 01/22/96

Instrument ID: M BFB Injection Time: 1859

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.4
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	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	69.4
175	5.0 - 9.0% of mass 174	4.8 (6.9)1
176	95.0 - 101.0% of mass 174	69.0 (99.4)1
177	5.0 - 9.0% of mass 176	4.5 (6.5)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	MEO010DHV.D	01/22/96	1936
02	LFBMEOD	LFBMEOD	MEO004DQV.D	01/22/96	2158
03	VBLKU2	VBLKU2	MEOB003DV.D	01/22/96	2231
04	VSTD0005	VSTD0005	MEO004DV.D	01/23/96	0412
05	MW336	286232	M286232V.D	01/23/96	0444
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6A-1
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Instrument ID: M Calibration Date(s): 01/17/96

Heated Purge: (Y/N) N Calibration Times: 1027 1330

GC Column:CAP ID: 0.53 (mm)

LAB FILE ID: RRF2 =MEO002HV.D RRF5 =MEO005HV.D
RRF10 =MEN050B2HV.D RRF20 =MEO020HV.D RRF30 =MEO030HV.D

COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF30	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *	0.685	0.688	0.717	0.702	0.684	0.695	2.0*
Chloromethane *	0.397	0.401	0.404	0.396	0.382	0.396	2.1*
Vinyl Chloride *	0.365	0.380	0.395	0.393	0.374	0.382	3.3*
Bromomethane *	0.345	0.306	0.311	0.293	0.293	0.310	6.9*
Chloroethane *	0.222	0.229	0.181	0.176	0.164	0.194	15.0*
Trichlorofluoromethane *	0.610	0.630	0.657	0.650	0.504	0.610	10.2*
Acetone *	0.074	0.068	0.069	0.072	0.067	0.070	4.1*
1,1-Dichloroethene *	0.291	0.302	0.315	0.317	0.314	0.308	3.6*
trans-1,2-Dichloroethene *	0.310	0.322	0.337	0.339	0.339	0.329	4.0*
Carbon Disulfide *	1.091	1.108	1.162	1.167	1.156	1.137	3.1*
Methylene Chloride *	0.331	0.329	0.337	0.341	0.339	0.336	1.6*
1,1-Dichloroethane *	0.655	0.686	0.727	0.699	0.694	0.692	3.7*
cis-1,2-Dichloroethene *	0.329	0.348	0.365	0.364	0.366	0.354	4.5*
2-Butanone *	0.025	0.025	0.028	0.028	0.026	0.026	6.4*
2,2-Dichloropropane *	0.577	0.574	0.607	0.593	0.570	0.584	2.7*
Chloroform *	0.675	0.710	0.736	0.722	0.729	0.714	3.4*
Bromochloromethane *	0.234	0.250	0.261	0.268	0.272	0.257	6.0*
1,1,1-Trichloroethane *	0.530	0.556	0.585	0.586	0.579	0.567	4.2*
1,1-Dichloropropene *	0.519	0.536	0.567	0.552	0.539	0.542	3.4*
Carbon Tetrachloride *	0.523	0.538	0.569	0.569	0.553	0.550	3.7*
1,2-Dichloroethane *	0.424	0.455	0.480	0.455	0.439	0.451	4.6*
Benzene *	0.931	0.943	0.984	0.984	0.955	0.959	2.5*
Trichloroethene *	0.367	0.389	0.411	0.410	0.399	0.395	4.5*
1,2-Dichloropropane *	0.411	0.430	0.460	0.451	0.448	0.440	4.4*
Bromodichloromethane *	0.631	0.688	0.732	0.733	0.730	0.703	6.3*
Dibromomethane *	0.357	0.371	0.393	0.399	0.390	0.382	4.5*
4-Methyl-2-Pentanone *	0.363	0.391	0.402	0.414	0.379	0.390	5.1*
cis-1,3-Dichloropropene *	0.558	0.611	0.648	0.640	0.626	0.617	5.8*
Toluene *	0.551	0.597	0.614	0.615	0.607	0.597	4.4*
trans-1,3-Dichloropropene *	0.486	0.514	0.555	0.558	0.547	0.532	5.8*
1,1,2-Trichloroethane *	0.297	0.321	0.328	0.330	0.329	0.321	4.3*
2-Hexanone *	0.247	0.258	0.260	0.280	0.255	0.260	4.8*
1,3-Dichloropropane *	0.607	0.634	0.670	0.661	0.640	0.642	3.8*
Tetrachloroethene *	0.446	0.465	0.484	0.490	0.497	0.476	4.4*
Dibromochloromethane *	0.698	0.753	0.807	0.819	0.803	0.776	6.5*
1,2-Dibromoethane *	0.628	0.638	0.701	0.682	0.643	0.658	4.7*

* 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.: OBASH SAS No.: SDG No.: 56202

Instrument ID: M Calibration Date(s): 01/17/96

Heated Purge: (Y/N) N Calibration Times: 1027 1330

GC Column:CAP ID: 0.53 (mm)

LAB FILE ID: RRF2 =MEO002HV.D RRF5 =MEO005HV.D
RRF10 =MEN050B2HV.D RRF20 =MEO020HV.D RRF30 =MEO030HV.D

COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF30	$\overline{RRF}$	% RSD
Chlorobenzene	* 0.925	0.955	1.007	0.987	0.961	0.967	3.2*
1,1,1,2-Tetrachloroethane	* 0.527	0.547	0.580	0.584	0.573	0.562	4.3*
Ethylbenzene	* 1.473	1.472	1.549	1.530	1.493	1.503	2.3*
Xylene (total)	* 0.516	0.514	0.543	0.543	0.527	0.529	2.6*
Styrene	* 0.858	0.877	0.939	0.948	0.915	0.907	4.3*
Bromoform	* 0.472	0.505	0.541	0.571	0.548	0.527	7.4*
Isopropylbenzene	* 1.447	1.442	1.542	1.530	1.484	1.489	3.1*
1,1,2,2-Tetrachloroethane	* 0.709	0.730	0.763	0.774	0.722	0.740	3.7*
1,2,3-Trichloropropane	* 0.492	0.499	0.518	0.512	0.474	0.499	3.5*
Bromobenzene	* 0.530	0.532	0.579	0.572	0.567	0.556	4.2*
n-Propylbenzene	* 0.413	0.391	0.432	0.414	0.399	0.410	3.9*
2-Chlorotoluene	* 0.398	0.397	0.434	0.427	0.413	0.414	4.0*
1,3,5-Trimethylbenzene	* 1.140	1.088	1.164	1.152	1.102	1.129	2.9*
4-Chlorotoluene	* 0.419	0.414	0.452	0.443	0.426	0.431	3.8*
tert-Butylbenzene	* 1.307	1.218	1.329	1.276	1.233	1.273	3.7*
1,2,4-Trimethylbenzene	* 1.056	1.029	1.119	1.103	1.059	1.073	3.4*
sec-Butylbenzene	* 1.790	1.620	1.791	1.697	1.647	1.709	4.6*
p-Isopropyltoluene	* 1.498	1.365	1.512	1.423	1.379	1.435	4.7*
1,3-Dichlorobenzene	* 0.929	0.889	0.968	0.940	0.933	0.932	3.1*
1,4-Dichlorobenzene	* 0.989	0.939	1.040	0.999	0.990	0.991	3.6*
n-Butylbenzene	* 1.474	1.280	1.445	1.331	1.284	1.363	6.7*
1,2-Dichlorobenzene	* 0.864	0.832	0.914	0.891	0.861	0.872	3.6*
1,2-Dibromo-3-Chloropropane	* 0.151	0.145	0.147	0.152	0.140	0.147	3.5*
1,2,4-Trichlorobenzene	* 0.676	0.554	0.648	0.591	0.581	0.610	8.2*
Hexachlorobutadiene	* 0.475	0.310	0.389	0.335	0.335	0.369	17.9*
Naphthalene	* 1.195	1.010	1.098	1.075	1.007	1.077	7.1*
1,2,3-Trichlorobenzene	* 0.634	0.487	0.567	0.521	0.509	0.544	10.7*
1,2-Dichloroethane-d4	* 0.378	0.366	0.389	0.355	0.335	0.365	5.8*
Bromofluorobenzene	* 0.879	0.753	0.913	0.812	0.792	0.830	7.9*
1,2-Dichlorobenzene-d4	* 0.642	0.498	0.630	0.557	0.544	0.574	10.5*

* 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.: OBASH SAS No.: SDG No.: 56202

Instrument ID: M Calibration Date: 01/17/96 Time: 1512

Lab File ID: MEO010AHV.D Init. Calibration Date(s): 01/17/96

Heated Purge: (Y/N) N Init. Calibration Times: 1027 1330

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.695	0.671	0.050	3.5	30.0
Chloromethane	0.396	0.369	0.192	6.7	30.0
Vinyl Chloride	0.382	0.371	0.050	2.9	30.0
Bromomethane	0.310	0.303	0.050	2.2	30.0
Chloroethane	0.194	0.173	0.050	11.1	30.0
Trichlorofluoromethane	0.610	0.617	0.050	-1.2	30.0
Acetone	0.070	0.063	0.020	10.5	30.0
1,1-Dichloroethene	0.308	0.307	0.050	0.3	30.0
trans-1,2-Dichloroethene	0.329	0.338	0.050	-2.7	30.0
Carbon Disulfide	1.137	1.130	0.050	0.6	30.0
Methylene Chloride	0.336	0.335	0.050	0.1	30.0
1,1-Dichloroethane	0.692	0.671	0.300	3.1	30.0
cis-1,2-Dichloroethene	0.354	0.357	0.050	-0.7	30.0
2-Butanone	0.026	0.027	0.020	-1.6	30.0
2,2-Dichloropropane	0.584	0.577	0.050	1.3	30.0
Chloroform	0.714	0.708	0.050	0.9	30.0
Bromochloromethane	0.257	0.258	0.050	-0.5	30.0
1,1,1-Trichloroethane	0.567	0.557	0.050	1.8	30.0
1,1-Dichloropropene	0.542	0.538	0.050	0.9	30.0
Carbon Tetrachloride	0.550	0.531	0.050	3.5	30.0
1,2-Dichloroethane	0.451	0.419	0.050	6.9	30.0
Benzene	0.959	0.950	0.050	1.0	30.0
Trichloroethene	0.395	0.402	0.050	-1.6	30.0
1,2-Dichloropropane	0.440	0.431	0.050	2.1	30.0
Bromodichloromethane	0.703	0.697	0.050	0.8	30.0
Dibromomethane	0.382	0.382	0.050	0.1	30.0
4-Methyl-2-Pentanone	0.390	0.370	0.020	5.2	30.0
cis-1,3-Dichloropropene	0.617	0.607	0.050	1.5	30.0
Toluene	0.597	0.602	0.050	-0.8	30.0
trans-1,3-Dichloropropene	0.532	0.525	0.050	1.2	30.0
1,1,2-Trichloroethane	0.321	0.320	0.050	0.3	30.0
2-Hexanone	0.260	0.242	0.020	7.1	30.0
1,3-Dichloropropane	0.642	0.628	0.050	2.2	30.0
Tetrachloroethene	0.476	0.494	0.050	-3.7	30.0
Dibromochloromethane	0.776	0.811	0.050	-4.5	30.0
1,2-Dibromoethane	0.658	0.667	0.050	-1.3	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.: OBASH SAS No.: SDG No.: 56202

Instrument ID: M Calibration Date: 01/17/96 Time: 1512

Lab File ID: MEO010AHV.D Init. Calibration Date(s): 01/17/96

Heated Purge: (Y/N) N Init. Calibration Times: 1027 1330

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	0.967	0.975	0.300	-0.9	30.0
1,1,1,2-Tetrachloroethane	0.562	0.576	0.050	-2.5	30.0
Ethylbenzene	1.503	1.518	0.050	-1.0	30.0
Xylene (total)	0.529	0.527	0.050	0.3	30.0
Styrene	0.907	0.921	0.050	-1.5	30.0
Bromoform	0.527	0.553	0.250	-4.8	30.0
Isopropylbenzene	1.489	1.512	0.050	-1.6	30.0
1,1,2,2-Tetrachloroethane	0.740	0.733	0.300	0.9	30.0
1,2,3-Trichloropropane	0.499	0.492	0.050	1.3	30.0
Bromobenzene	0.556	0.592	0.050	-6.5	30.0
n-Propylbenzene	0.410	0.413	0.050	-0.9	30.0
2-Chlorotoluene	0.414	0.421	0.050	-1.8	30.0
1,3,5-Trimethylbenzene	1.129	1.151	0.050	-1.9	30.0
4-Chlorotoluene	0.431	0.441	0.050	-2.4	30.0
tert-Butylbenzene	1.273	1.305	0.050	-2.5	30.0
1,2,4-Trimethylbenzene	1.073	1.102	0.050	-2.6	30.0
sec-Butylbenzene	1.709	1.773	0.050	-3.8	30.0
p-Isopropyltoluene	1.435	1.492	0.050	-4.0	30.0
1,3-Dichlorobenzene	0.932	0.980	0.050	-5.2	30.0
1,4-Dichlorobenzene	0.991	1.050	0.050	-5.9	30.0
n-Butylbenzene	1.363	1.468	0.050	-7.7	30.0
1,2-Dichlorobenzene	0.872	0.940	0.050	-7.8	30.0
1,2-Dibromo-3-Chloropropane	0.147	0.141	0.020	4.0	30.0
1,2,4-Trichlorobenzene	0.610	0.671	0.050	-10.1	30.0
Hexachlorobutadiene	0.369	0.434	0.050	-17.6	30.0
Naphthalene	1.077	1.062	0.050	1.4	30.0
1,2,3-Trichlorobenzene	0.544	0.583	0.050	-7.2	30.0
1,2-Dichloroethane-d4	0.365	0.394	0.050	-8.1	30.0
Bromofluorobenzene	0.830	0.915	0.050	-10.3	30.0
1,2-Dichlorobenzene-d4	0.574	0.649	0.050	-13.1	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.: OBASH SAS No.: SDG No.: 56202

Instrument ID: M Calibration Date: 01/18/96 Time: 0842

Lab File ID: MEO010BHV.D Init. Calibration Date(s): 01/17/96

Heated Purge: (Y/N) N Init. Calibration Times: 1027 1330

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.695	0.753	0.050	-8.3	30.0
Chloromethane	0.396	0.436	0.192	-10.2	30.0
Vinyl Chloride	0.382	0.422	0.050	-10.7	30.0
Bromomethane	0.310	0.313	0.050	-1.0	30.0
Chloroethane	0.194	0.196	0.050	-0.6	30.0
Trichlorofluoromethane	0.610	0.687	0.050	-12.5	30.0
Acetone	0.070	0.084	0.020	-19.4	30.0
1,1-Dichloroethene	0.308	0.327	0.050	-6.4	30.0
trans-1,2-Dichloroethene	0.329	0.336	0.050	-2.0	30.0
Carbon Disulfide	1.137	1.194	0.050	-5.0	30.0
Methylene Chloride	0.336	0.336	0.050	-0.2	30.0
1,1-Dichloroethane	0.692	0.755	0.300	-9.1	30.0
cis-1,2-Dichloroethene	0.354	0.371	0.050	-4.7	30.0
2-Butanone	0.026	0.031	0.020	-17.2	30.0
2,2-Dichloropropane	0.584	0.639	0.050	-9.3	30.0
Chloroform	0.714	0.747	0.050	-4.6	30.0
Bromochloromethane	0.257	0.258	0.050	-0.3	30.0
1,1,1-Trichloroethane	0.567	0.612	0.050	-8.0	30.0
1,1-Dichloropropene	0.542	0.588	0.050	-8.4	30.0
Carbon Tetrachloride	0.550	0.594	0.050	-8.0	30.0
1,2-Dichloroethane	0.451	0.497	0.050	-10.3	30.0
Benzene	0.959	1.017	0.050	-6.1	30.0
Trichloroethene	0.395	0.424	0.050	-7.2	30.0
1,2-Dichloropropane	0.440	0.473	0.050	-7.4	30.0
Bromodichloromethane	0.703	0.709	0.050	-0.8	30.0
Dibromomethane	0.382	0.404	0.050	-5.7	30.0
4-Methyl-2-Pentanone	0.390	0.479	0.020	-22.7	30.0
cis-1,3-Dichloropropene	0.617	0.639	0.050	-3.6	30.0
Toluene	0.597	0.628	0.050	-5.2	30.0
trans-1,3-Dichloropropene	0.532	0.567	0.050	-6.7	30.0
1,1,2-Trichloroethane	0.321	0.341	0.050	-6.4	30.0
2-Hexanone	0.260	0.316	0.020	-21.4	30.0
1,3-Dichloropropane	0.642	0.688	0.050	-7.1	30.0
Tetrachloroethene	0.476	0.490	0.050	-2.9	30.0
Dibromochloromethane	0.776	0.771	0.050	0.7	30.0
1,2-Dibromoethane	0.658	0.708	0.050	-7.6	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.: OBASH SAS No.: SDG No.: 56202

Instrument ID: M Calibration Date: 01/18/96 Time: 0842

Lab File ID: MEO010BHV.D Init. Calibration Date(s): 01/17/96

Heated Purge: (Y/N) N Init. Calibration Times: 1027 1330

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	0.967	0.999	0.300	-3.3	30.0
1,1,1,2-Tetrachloroethane	0.562	0.571	0.050	-1.6	30.0
Ethylbenzene	1.503	1.568	0.050	-4.3	30.0
Xylene (total)	0.529	0.561	0.050	-6.1	30.0
Styrene	0.907	0.963	0.050	-6.1	30.0
Bromoform	0.527	0.540	0.250	-2.5	30.0
Isopropylbenzene	1.489	1.598	0.050	-7.3	30.0
1,1,2,2-Tetrachloroethane	0.740	0.809	0.300	-9.4	30.0
1,2,3-Trichloropropane	0.499	0.563	0.050	-12.8	30.0
Bromobenzene	0.556	0.569	0.050	-2.4	30.0
n-Propylbenzene	0.410	0.438	0.050	-6.9	30.0
2-Chlorotoluene	0.414	0.445	0.050	-7.5	30.0
1,3,5-Trimethylbenzene	1.129	1.228	0.050	-8.7	30.0
4-Chlorotoluene	0.431	0.463	0.050	-7.5	30.0
tert-Butylbenzene	1.273	1.373	0.050	-7.9	30.0
1,2,4-Trimethylbenzene	1.073	1.161	0.050	-8.2	30.0
sec-Butylbenzene	1.709	1.867	0.050	-9.2	30.0
p-Isopropyltoluene	1.435	1.582	0.050	-10.2	30.0
1,3-Dichlorobenzene	0.932	1.031	0.050	-10.6	30.0
1,4-Dichlorobenzene	0.991	1.031	0.050	-4.0	30.0
n-Butylbenzene	1.363	1.517	0.050	-11.3	30.0
1,2-Dichlorobenzene	0.872	0.924	0.050	-5.9	30.0
1,2-Dibromo-3-Chloropropane	0.147	0.167	0.020	-13.9	30.0
1,2,4-Trichlorobenzene	0.610	0.644	0.050	-5.6	30.0
Hexachlorobutadiene	0.369	0.400	0.050	-8.6	30.0
Naphthalene	1.077	1.143	0.050	-6.2	30.0
1,2,3-Trichlorobenzene	0.544	0.572	0.050	-5.3	30.0
1,2-Dichloroethane-d4	0.365	0.418	0.050	-14.4	30.0
Bromofluorobenzene	0.830	0.935	0.050	-12.6	30.0
1,2-Dichlorobenzene-d4	0.574	0.649	0.050	-13.0	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.: OBASH SAS No.: SDG No.: 56202

Instrument ID: M Calibration Date: 01/22/96 Time: 1012

Lab File ID: ME0010CHV.D Init. Calibration Date(s): 01/17/96

Heated Purge: (Y/N) N Init. Calibration Times: 1027 1330

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.695	0.774	0.050	-11.3	30.0
Chloromethane	0.396	0.420	0.192	-6.1	30.0
Vinyl Chloride	0.382	0.425	0.050	-11.3	30.0
Bromomethane	0.310	0.335	0.050	-8.3	30.0
Chloroethane	0.194	0.199	0.050	-2.3	30.0
Trichlorofluoromethane	0.610	0.706	0.050	-15.7	30.0
Acetone	0.070	0.064	0.020	8.7	30.0
1,1-Dichloroethene	0.308	0.343	0.050	-11.6	30.0
trans-1,2-Dichloroethene	0.329	0.371	0.050	-12.8	30.0
Carbon Disulfide	1.137	1.277	0.050	-12.3	30.0
Methylene Chloride	0.336	0.365	0.050	-8.7	30.0
1,1-Dichloroethane	0.692	0.753	0.300	-8.8	30.0
cis-1,2-Dichloroethene	0.354	0.394	0.050	-11.3	30.0
2-Butanone	0.026	0.025	0.020	6.3	30.0
2,2-Dichloropropane	0.584	0.656	0.050	-12.3	30.0
Chloroform	0.714	0.762	0.050	-6.7	30.0
Bromochloromethane	0.257	0.279	0.050	-8.6	30.0
1,1,1-Trichloroethane	0.567	0.630	0.050	-11.1	30.0
1,1-Dichloropropene	0.542	0.603	0.050	-11.2	30.0
Carbon Tetrachloride	0.550	0.615	0.050	-11.8	30.0
1,2-Dichloroethane	0.451	0.481	0.050	-6.7	30.0
Benzene	0.959	1.052	0.050	-9.7	30.0
Trichloroethene	0.395	0.443	0.050	-12.0	30.0
1,2-Dichloropropane	0.440	0.469	0.050	-6.6	30.0
Bromodichloromethane	0.703	0.756	0.050	-7.5	30.0
Dibromomethane	0.382	0.404	0.050	-5.8	30.0
4-Methyl-2-Pentanone	0.390	0.370	0.020	5.1	30.0
cis-1,3-Dichloropropene	0.617	0.669	0.050	-8.5	30.0
Toluene	0.597	0.655	0.050	-9.7	30.0
trans-1,3-Dichloropropene	0.532	0.574	0.050	-7.9	30.0
1,1,2-Trichloroethane	0.321	0.339	0.050	-5.7	30.0
2-Hexanone	0.260	0.238	0.020	8.3	30.0
1,3-Dichloropropane	0.642	0.679	0.050	-5.7	30.0
Tetrachloroethene	0.476	0.531	0.050	-11.5	30.0
Dibromochloromethane	0.776	0.833	0.050	-7.3	30.0
1,2-Dibromoethane	0.658	0.702	0.050	-6.6	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.: OBASH SAS No.: SDG No.: 56202

Instrument ID: M Calibration Date: 01/22/96 Time: 1012

Lab File ID: ME0010CHV.D Init. Calibration Date(s): 01/17/96

Heated Purge: (Y/N) N Init. Calibration Times: 1027 1330

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	0.967	1.074	0.300	-11.1	30.0
1,1,1,2-Tetrachloroethane	0.562	0.635	0.050	-12.8	30.0
Ethylbenzene	1.503	1.659	0.050	-10.3	30.0
Xylene (total)	0.529	0.577	0.050	-9.1	30.0
Styrene	0.907	0.986	0.050	-8.6	30.0
Bromoform	0.527	0.553	0.250	-4.9	30.0
Isopropylbenzene	1.489	1.673	0.050	-12.3	30.0
1,1,2,2-Tetrachloroethane	0.740	0.767	0.300	-3.7	30.0
1,2,3-Trichloropropane	0.499	0.531	0.050	-6.3	30.0
Bromobenzene	0.556	0.607	0.050	-9.3	30.0
n-Propylbenzene	0.410	0.463	0.050	-12.9	30.0
2-Chlorotoluene	0.414	0.463	0.050	-11.8	30.0
1,3,5-Trimethylbenzene	1.129	1.266	0.050	-12.1	30.0
4-Chlorotoluene	0.431	0.481	0.050	-11.7	30.0
tert-Butylbenzene	1.273	1.449	0.050	-13.9	30.0
1,2,4-Trimethylbenzene	1.073	1.179	0.050	-9.8	30.0
sec-Butylbenzene	1.709	1.921	0.050	-12.4	30.0
p-Isopropyltoluene	1.435	1.631	0.050	-13.6	30.0
1,3-Dichlorobenzene	0.932	1.033	0.050	-10.9	30.0
1,4-Dichlorobenzene	0.991	1.105	0.050	-11.4	30.0
n-Butylbenzene	1.363	1.546	0.050	-13.5	30.0
1,2-Dichlorobenzene	0.872	0.950	0.050	-8.8	30.0
1,2-Dibromo-3-Chloropropane	0.147	0.149	0.020	-1.1	30.0
1,2,4-Trichlorobenzene	0.610	0.645	0.050	-5.7	30.0
Hexachlorobutadiene	0.369	0.412	0.050	-11.6	30.0
Naphthalene	1.077	1.047	0.050	2.8	30.0
1,2,3-Trichlorobenzene	0.544	0.557	0.050	-2.4	30.0
1,2-Dichloroethane-d4	0.365	0.402	0.050	-10.2	30.0
Bromofluorobenzene	0.830	0.946	0.050	-14.0	30.0
1,2-Dichlorobenzene-d4	0.574	0.549	0.050	4.5	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.: OBASH SAS No.: SDG No.: 56202

Instrument ID: M Calibration Date: 01/22/96 Time: 1936

Lab File ID: ME0010DHV.D Init. Calibration Date(s): 01/17/96

Heated Purge: (Y/N) N Init. Calibration Times: 1027 1330

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.695	0.755	0.050	-8.6	30.0
Chloromethane	0.396	0.426	0.192	-7.6	30.0
Vinyl Chloride	0.382	0.414	0.050	-8.6	30.0
Bromomethane	0.310	0.335	0.050	-8.3	30.0
Chloroethane	0.194	0.234	0.050	-20.5	30.0
Trichlorofluoromethane	0.610	0.697	0.050	-14.3	30.0
Acetone	0.070	0.070	0.020	0.2	30.0
1,1-Dichloroethene	0.308	0.331	0.050	-7.5	30.0
trans-1,2-Dichloroethene	0.329	0.353	0.050	-7.2	30.0
Carbon Disulfide	1.137	1.204	0.050	-5.9	30.0
Methylene Chloride	0.336	0.348	0.050	-3.6	30.0
1,1-Dichloroethane	0.692	0.749	0.300	-8.1	30.0
cis-1,2-Dichloroethene	0.354	0.378	0.050	-6.5	30.0
2-Butanone	0.026	0.025	0.020	3.1	30.0
2,2-Dichloropropane	0.584	0.645	0.050	-10.3	30.0
Chloroform	0.714	0.759	0.050	-6.2	30.0
Bromochloromethane	0.257	0.267	0.050	-3.8	30.0
1,1,1-Trichloroethane	0.567	0.618	0.050	-8.9	30.0
1,1-Dichloropropene	0.542	0.587	0.050	-8.2	30.0
Carbon Tetrachloride	0.550	0.608	0.050	-10.4	30.0
1,2-Dichloroethane	0.451	0.485	0.050	-7.7	30.0
Benzene	0.959	1.017	0.050	-6.0	30.0
Trichloroethene	0.395	0.434	0.050	-9.8	30.0
1,2-Dichloropropane	0.440	0.462	0.050	-5.1	30.0
Bromodichloromethane	0.703	0.732	0.050	-4.2	30.0
Dibromomethane	0.382	0.389	0.050	-1.9	30.0
4-Methyl-2-Pentanone	0.390	0.384	0.020	1.6	30.0
cis-1,3-Dichloropropene	0.617	0.648	0.050	-5.2	30.0
Toluene	0.597	0.632	0.050	-6.0	30.0
trans-1,3-Dichloropropene	0.532	0.559	0.050	-5.1	30.0
1,1,2-Trichloroethane	0.321	0.322	0.050	-0.4	30.0
2-Hexanone	0.260	0.261	0.020	-0.2	30.0
1,3-Dichloropropane	0.642	0.653	0.050	-1.7	30.0
Tetrachloroethene	0.476	0.502	0.050	-5.4	30.0
Dibromochloromethane	0.776	0.794	0.050	-2.3	30.0
1,2-Dibromoethane	0.658	0.681	0.050	-3.4	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.: OBASH SAS No.: SDG No.: 56202

Instrument ID: M Calibration Date: 01/22/96 Time: 1936

Lab File ID: ME0010DHV.D Init. Calibration Date(s): 01/17/96

Heated Purge: (Y/N) N Init. Calibration Times: 1027 1330

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	0.967	1.034	0.300	-6.9	30.0
1,1,1,2-Tetrachloroethane	0.562	0.601	0.050	-6.9	30.0
Ethylbenzene	1.503	1.619	0.050	-7.7	30.0
Xylene (total)	0.529	0.569	0.050	-7.6	30.0
Styrene	0.907	0.965	0.050	-6.4	30.0
Bromoform	0.527	0.524	0.250	0.6	30.0
Isopropylbenzene	1.489	1.622	0.050	-8.9	30.0
1,1,2,2-Tetrachloroethane	0.740	0.750	0.300	-1.4	30.0
1,2,3-Trichloropropane	0.499	0.515	0.050	-3.2	30.0
Bromobenzene	0.556	0.583	0.050	-4.9	30.0
n-Propylbenzene	0.410	0.446	0.050	-8.8	30.0
2-Chlorotoluene	0.414	0.439	0.050	-6.0	30.0
1,3,5-Trimethylbenzene	1.129	1.222	0.050	-8.2	30.0
4-Chlorotoluene	0.431	0.459	0.050	-6.6	30.0
tert-Butylbenzene	1.273	1.372	0.050	-7.8	30.0
1,2,4-Trimethylbenzene	1.073	1.142	0.050	-6.4	30.0
sec-Butylbenzene	1.709	1.842	0.050	-7.8	30.0
p-Isopropyltoluene	1.435	1.537	0.050	-7.1	30.0
1,3-Dichlorobenzene	0.932	0.981	0.050	-5.3	30.0
1,4-Dichlorobenzene	0.991	1.027	0.050	-3.6	30.0
n-Butylbenzene	1.363	1.458	0.050	-7.0	30.0
1,2-Dichlorobenzene	0.872	0.896	0.050	-2.6	30.0
1,2-Dibromo-3-Chloropropane	0.147	0.153	0.020	-3.8	30.0
1,2,4-Trichlorobenzene	0.610	0.617	0.050	-1.1	30.0
Hexachlorobutadiene	0.369	0.345	0.050	6.5	30.0
Naphthalene	1.077	1.110	0.050	-3.1	30.0
1,2,3-Trichlorobenzene	0.544	0.553	0.050	-1.7	30.0
1,2-Dichloroethane-d4	0.365	0.372	0.050	-2.0	30.0
Bromofluorobenzene	0.830	0.906	0.050	-9.2	30.0
1,2-Dichlorobenzene-d4	0.574	0.524	0.050	8.8	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.: OBASH SAS No.: SDG No.: 56202

Lab File ID (Standard): ME0010AHV.D Date Analyzed: 01/17/96

Instrument ID: M Time Analyzed: 1512

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	127453	10.17	101709	16.60	0	0.00
	UPPER LIMIT	254906	10.67	203418	17.10	0	0.50
	LOWER LIMIT	63726	9.67	50854	16.10	0	-0.50
	EPA SAMPLE No.						
01	LFBMEOA	115251	10.16	91133	16.59		
02	VBLKS9	124282	10.18	99785	16.59		
03	MW27	126649	10.18	101478	16.59		
04	MW30	124009	10.16	100772	16.59		
05	MW40	119404	10.16	94777	16.57		
06	MW59	114143	10.16	90974	16.59		
07	MW60	117377	10.18	94048	16.59		
08	PT11	119568	10.18	95315	16.59		
09	PT19	112231	10.16	89956	16.59		
10	TB11396	108308	10.16	88078	16.59		
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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.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 56202

Lab File ID (Standard): MEO010BHV.D Date Analyzed: 01/18/96

Instrument ID: M Time Analyzed: 0842

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(FBZ) AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	105190	10.27	85759	16.70	0	0.00
	UPPER LIMIT	210380	10.77	171518	17.20	0	0.50
	LOWER LIMIT	52595	9.77	42880	16.20	0	-0.50
	EPA SAMPLE No.						
01	LFBMEOB	112461	10.22	91458	16.64		
02	VBLKT3	107389	10.21	84002	16.64		
03	BNS	100037	10.21	78339	16.66		
04	FHD	105743	10.21	85863	16.64		
05	FHS	109571	10.21	87551	16.64		
06	TB11096	106646	10.21	85669	16.64		
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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.: OBASH SAS No.: SDG No.: 56202

Lab File ID (Standard): ME0010CHV.D Date Analyzed: 01/22/96

Instrument ID: M Time Analyzed: 1012

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(FBZ) AREA	#	RT	#	IS2(CBZ) AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	115829		10.19		92487		16.62		0		0.00	
	UPPER LIMIT	231658		10.69		184974		17.12		0		0.50	
	LOWER LIMIT	57914		9.69		46244		16.12		0		-0.50	
	EPA SAMPLE No.												
01	LFBMEOC	118398		10.18		94452		16.61					
02	VBLKT9	120156		10.18		98557		16.61					
03	MW36	112439		10.20		87169		16.61					
04	MW36MS	115676		10.19		90676		16.62					
05	MW36MSD	120378		10.19		95745		16.62					
06	MW36R	113017		10.20		90981		16.62					
07	MW45	119553		10.20		92588		16.62					
08	MW47	117184		10.20		92037		16.62					
09	MW48	116563		10.20		95454		16.62					
10	MW56	116174		10.20		91838		16.62					
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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.: OBASH SAS No.: SDG No.: 56202

Lab File ID (Standard): MEO010DHV.D Date Analyzed: 01/22/96

Instrument ID: M Time Analyzed: 1936

GC Column:CAP ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(FBZ) AREA #	IS1(FBZ) RT #	IS2(CBZ) AREA #	IS2(CBZ) RT #	IS3 AREA #	IS3 RT #
	12 HOUR STD	126661	10.19	100714	16.63	0	0.00
	UPPER LIMIT	253322	10.69	201428	17.13	0	0.50
	LOWER LIMIT	63330	9.69	50357	16.13	0	-0.50
	EPA SAMPLE No.						
01	LFBMEOD	122477	10.20	98937	16.63		
02	VBLKU2	119097	10.20	95754	16.61		
03	MW336 '	113292	10.20	89322	16.61		
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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.