00570

GROUNDWATER MONITORING
VALIDATED ANALYTICAL RESULTS FOR THE THIRD QUARTER 1996
ASH LANDFILL, SENECA ARMY DEPOT

PREPARED FOR:
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TABLES

TABLE 1

SENECA ARMY DEPOT ACTIVITY
1995/1996 GROUNDWATER MONITORING PROGRAM
GROUNDWATER ELEVATION DATA
ASH LANDFILL

	Elevation at	Fourth Quarter 1995			First Quarter 1996			Second Quarter 1996			Third Quarter 1996		
onitoring Well	Top of Riser (MSL)	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
h Landfill													
-10	681.52	1/11/96	8.22	673.3	03/14/96	7.26	674.26	06/20/96	9.65	671.87	09/23/96	6.62	674.9
-11	658.22	1/11/96	4.94	653.28	03/14/96	4.44	653.78	06/20/96	6.54	651.68	09/23/96	6.15	652.07
-12	652.15				03/14/96	7.94	644.21	06/20/96	7.88	644.27	09/23/96	7.31	644.84
-15	637.76	1/11/96	4.94	632.82	03/14/96	5.73	632.03	06/20/96	7.7	630.06	09/23/96	8.04	629.72
-16	637.51	1/11/96	3.18	634.33	03/14/96	2.66	634.85	06/20/96	3.2	634.31	09/23/96	3.62	633.89
-17	640.14	1/11/96	6.16	633.98	03/14/96	5.04	635.1	06/20/96	6.36	633.78	09/23/96	4.99	635.15
-18	656.68	1/11/96	7.22	649.46	03/14/96	7.08	649.6	06/20/96	7.4	649.28	09/23/96	7.44	649.24
-19	645.26	1/10/96	4.14	641.12	03/14/96	2.62	642.64	06/20/96	6.27	638.99	09/23/96	6.34	638.92
-20	647.28	1/11/96	6.89	640.39	03/14/96	6.64	640.64	06/20/96	6.89	640.39	09/23/96	5.92	641.36
-21	647.73				03/14/96	8.16	639.57	06/20/96	8.47	639.26	09/23/96	7.02	640.71
-22	648.61	1/11/96	8.9	639.71	03/14/96	8.66	639.95	06/20/96	8.97	639.64	09/23/96	Not Measured	Not Measu
-23	641.58	1/11/96	4.74	636.84	03/14/96	4.17	637.41	06/20/96	6.15	635.43	09/23/96	5.11	636.47
-24	636.40	1/11/96	5.08	631.32	03/14/96	4.48	631.92	06/20/96	5.07	631.33	09/23/96	4.8	631.6
-25	637.09	1/10/96	5.63	631.46	03/14/96	4.04	633.05	06/20/96	6.54	630.55	09/23/96	6.16	630.93
-26	614.64	1/11/96		614.64	03/14/96	Not Measured	Not Measured	06/20/96	6.72	607.92	09/23/96	Not Measured	Not Measu
V-27	639.32	1/11/96	6.04	633.28	03/14/96	5.7	633.62	06/20/96	6.58	632.74	09/23/96	5.54	633.78
V-28	637.21	1/11/96	5.66	631.55	03/14/96	5.23	631.98	06/20/96	5.76	631.45	09/23/96	5.35	631.86
V-29	637.31	1/11/96	6.68	630.63	03/14/96	6.2	631.01	06/20/96	6.96	630.35	09/23/96	6.34	630.97
V-30	640.32	1/11/96	7.65	632.67	03/14/96	5.88	634.44	06/20/96	6.9	633.42	09/23/96	7.17	633.15
V-31	636.70	1/11/96	4.88	631.82	03/14/96	3.38	633.32	06/20/96	5.86	630.84	09/23/96	5.26	631.44
V-32	641.68	1/11/96	6.86	634.82	03/14/96	5.45	636.23	06/20/96	7.02	634.66	09/23/96	7.42	634.26
V-33	639.56	1/11/96	6.24	633.32	03/14/96	4.96	634.6	06/20/96	8.05	631.51	09/23/96	7.4	632.16
V-34	632.89	1/10/96	4.72	628.17	03/14/96	3.16	629.73	06/20/96	5.33	627.56	09/23/96	4.99	627.9
V-35D	631.82	1/10/96	2.89	628.93	03/14/96	2.38	629.44	06/20/96	5.33	626.49	09/23/96	Not Measured	Not Measu
V-36	631.79	1/10/96	2.97	628.82	03/14/96	2.32	629.47	06/20/96	3.00	628.79	09/23/96	3.30	628.49
V-37	632.89	1/11/96	3.32	629.57	03/14/96	2.24	630.65	06/20/96	3.4	629.49	09/23/96	4.34	628.55
V-38D	637.90	1/11/96	3.88	634.02	03/14/96	3.47	634.43	06/20/96	4.09	633.81	09/23/96	4.26	633.64
V-39	659.54	1/11/96	1.91	657.63	03/14/96	Frozen	Frozen	06/20/96	1.82	Frozen	09/23/96	2.16	657.38
V-40	659.30	1/11/96	4.44	654.86	03/14/96	3.81		06/20/96	6.2	653.1	09/23/96	4.78	654.52
V-41D	694.02	1/11/96	7.32	686.7	03/14/96	7	687.02	06/20/96	8.16	685.86	09/23/96	7.82	686.2
V-42D	683.04	1/11/96	4.02	679.02	03/14/96	3.53	679.51	06/20/96	5.54	677.5	09/23/96	4.79	678.25
V-43	657.73	1/11/96	Frozen	NA	03/14/96	Frozen	Frozen	06/20/96	3.03	654.7	09/23/96	3.16	654.57
V-44	653.85				03/14/96	8.93	644.92	06/20/96	8.05	645.8	09/23/96	9.66	644.19
V-45	650.90	1/11/96	Frozen	NA	03/14/96	Frozen	Frozen	06/20/96	3.47	647.43	09/23/96	3.23	647.67
V-46	650.41	1/11/96	6.16	644.25	03/14/96	5.72	644.69	06/20/96	5.75	644.66	09/23/96	5.94	644.47
V-47	628.06	1/11/96	Frozen	NA	03/14/96	Frozen	Frozen	06/20/96	3.6	624.46	09/23/96	4.34	623.72
V-48	648.32	1/11/96	3.7	644.62	03/14/96	Frozen	Frozen	06/20/96	4.77	643.55	09/23/96	3.72	644.6
V-49D	650.50	1/11/96	6.09	644.41	03/14/96	5.71	644.79	06/20/96	5.87	644.63	09/23/96	5.9	644.6
V-50D	649.88	1/11/96	6.02	643.86	03/14/96	5.78	644.1	06/20/96	6.2	643.68	09/23/96	5.71	644.17
V-51D	628.24	1/11/96		628.24	03/14/96	2.78	625.46	06/20/96	3.7	624.54	09/23/96	4.42	623.82
V-52D	626.35	1/11/96	3	623.35	03/14/96	Frozen	Frozen	06/20/96	3.66	622.69	09/23/96	4.03	622.32
V-53	639.41	1/11/96	7.86	631.55	03/14/96	6.98	632.43	06/20/96	8.28	631.13	09/23/96	7.02	632.39
V-54D	639.11	1/11/96	7.66	631.45	03/14/96	6.97	632.14	06/20/96	8.08	631.03	09/23/96	6.92	632.19
V-55D	639.16	1/11/96	7.42	631.74	03/14/96	6.88	632.28	06/20/96	7.91	631.25	09/23/96	6.78	632.38
V-56	630.51	1/11/96	Frozen	NA	03/14/96	Frozen	Frozen	06/20/96	3.01	627.5	09/23/96	3.2	627.31
V-57D	629.82	1/11/96	2.42	627.4	03/14/96	1.91	627.91	06/20/96	2.2	627.62	09/23/96	2.29	627.53
V-58D	629.69	1/11/96	2.2	627.49	03/14/96	2.25	627.44	06/20/96	2.09	627.6	09/23/96	2.06	627.63
V-59	656.83	1/11/96	2.14	654.69	03/14/96	Frozen	Frozen	06/20/96	1.91	654.92	09/23/96	2.69	654.14
V-60	660.15	1/11/96	2.34	657.81	03/14/96	Frozen	Frozen	06/20/96	2.58	Frozen	09/23/96	2.46	657.69

Table 2

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

	SAMPLE ID	AL039	AL038	AL037	AL036	AL035	AL034	AL027
	WELL ID	BNS	FHD	FHS	MW27	MW29	MW30	MW36
	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	SAMPLE DATE	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96	09/26/96
	SDG NO.	61529	61529	61529	61529	61529	61529	61529
COMPOUND	UNITS							
Dichlorodifluromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	0.5 U
Vinyl Chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	ug/L	5 J	5 J	5 J	11 J	33 J	5 J	0.5 UJ
1,1-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	***140***	0.5 U	0.5 U
2-Butanone	ug/L	5 U	5 U	5 J	5 J	5 J	5 J	0.5 UJ
2,2-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	ug/L	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	***4***	***1***	0.5 U
1,2-Dichloroctopane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-Pentanone	ug/L	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ
cis-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2 R
trans-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	ug/L	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ
1,3 - Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	ug/L	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Isopropyltoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-Chloropropan	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 2

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

	SAMPLE ID	AL026	AL029	AL028	AL023	AL022	AL024	AL025
	WELL ID	MW40	MW47	MW56	MW59	MW60	PT11	PT19
	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	SAMPLE DATE	09/26/96	09/27/96	09/27/96	09/26/96	09/26/96	09/26/96	09/26/96
	SDG NO.	61529	61529	61529	61529	61529	61529	61529
COMPOUND	UNITS							
Dichlorodifluromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	ug/L	0.5 U	2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/L	0.5 U	0.5 U	2	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	ug/L	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
2,2-Dichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroctopane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-Pentanone	ug/L	0.5 U	0.7 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	ug/L	0.5 U	0.5 U	0.5 R	0.9 R	0.9 R	0.5 U	0.9 R
trans-1,3-Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3 - Dichloropropene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (total)	ug/L	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Styrene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Isopropyltoluene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-Chloropropan	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 2

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

	SAMPLE ID	AL032	AL033
	WELL ID	PT24	PT24 (DU)
	MATRIX	WATER	WATER
	SAMPLE DATE	09/30/96	09/30/96
	SDG NO.	61529	61529
COMPOUND	UNITS		
Dichlorodifluromethane	ug/L	0.5 U	0.5 U
Chloromethane	ug/L	0.5 U	0.5 U
Vinyl Chloride	ug/L	0.5 U	0.5 U
Bromomethane	ug/L	0.5 U	0.5 U
Chloroethane	ug/L	0.5 U	0.5 U
Trichlorofluoromethane	ug/L	0.5 U	0.5 U
Acetone	ug/L	5 J	24 UJ
1,1-Dichloroethene	ug/L	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/L	0.5 U	0.5 U
Carbon Disulfide	ug/L	0.5 U	0.5 U
Methylene Chloride	ug/L	0.5 U	0.5 U
1,1-Dichloroethane	ug/L	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/L	*130*	*96*
2-Butanone	ug/L	5 J	24 J
2,2-Dichloropropane	ug/L	0.5 U	0.5 U
Chloroform	ug/L	0.5 U	0.5 U
Bromochloromethane	ug/L	0.5 U	0.5 U
1,1,1-Trichloroethane	ug/L	0.5 U	0.5 U
1,1-Dichloropropene	ug/L	0.5 U	0.5 U
Carbon Tetrachloride	ug/L	0.5 U	0.5 U
1,2-Dichloroethane	ug/L	0.5 U	0.5 U
Benzene	ug/L	0.5 U	0.5 U
Trichloroethene	ug/L	*7*	*5*
1,2-Dichloroctopane	ug/L	0.5 U	0.5 U
Bromodichloromethane	ug/L	0.5 U	0.5 U
Dibromomethane	ug/L	0.5 U	0.5 U
4-Methyl-2-Pentanone	ug/L	5 U	24 J
cis-1,3-Dichloropropene	ug/L	0.5 U	0.5 U
Toluene	ug/L	0.5 U	0.5 U
trans-1,3-Dichloropropene	ug/L	0.5 U	0.5 U
1,1,2-Trichloroethene	ug/L	0.5 U	0.5 U
2-Hexanone	ug/L	5 U	24 J
1,3 - Dichloropropene	ug/L	0.5 U	0.5 U
Tetrachloroethene	ug/L	0.5 U	0.5 U
Dibromochloromethane	ug/L	0.5 U	0.5 U
1,2-Dibromoethane	ug/L	0.5 U	0.5 U
Chlorobenzene	ug/L	0.5 U	0.5 U
1,1,1,2-Tetrachloroethane	ug/L	0.5 U	0.5 U
Ethylbenzene	ug/L	0.5 U	0.5 U
Xylene (total)	ug/L	0.5 U	0.5 UJ
Styrene	ug/L	0.5 U	0.5 U
Bromoform	ug/L	0.5 U	0.5 U
Isopropylbenzene	ug/L	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/L	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/L	0.5 U	0.5 U
Bromobenzene	ug/L	0.5 U	0.5 U
n-Propylbenzene	ug/L	0.5 U	0.5 U
2-Chlorotoluene	ug/L	0.5 U	0.5 U
1,3,5-Trimethylbenzene	ug/L	0.5 U	0.5 U
4-Chlorotoluene	ug/L	0.5 U	0.5 U
tert-Butylbenzene	ug/L	0.5 U	0.5 U
1,2,4-Trimethylbenzene	ug/L	0.5 U	0.5 U
sec-Butylbenzene	ug/L	0.5 U	0.5 U
p-Isopropyltoluene	ug/L	0.5 U	0.5 U
1,3-Dichlorobenzene	ug/L	0.5 U	0.5 U
1,4-Dichlorobenzene	ug/L	0.5 U	0.5 U
n-Butylbenzene	ug/L	0.5 U	0.5 U
1,2-Dichlorobenzene	ug/L	0.5 U	0.5 U
1,2-Dibromo-3-Chloropropan	ug/L	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/L	0.5 U	0.5 U
Hexachlorobutadiene	ug/L	0.5 U	0.5 U
Naphthalene	ug/L	0.5 U	0.5 U
1,2,3-Trichlorobenzene	ug/L	0.5 U	0.5 U

Data Qualifiers:

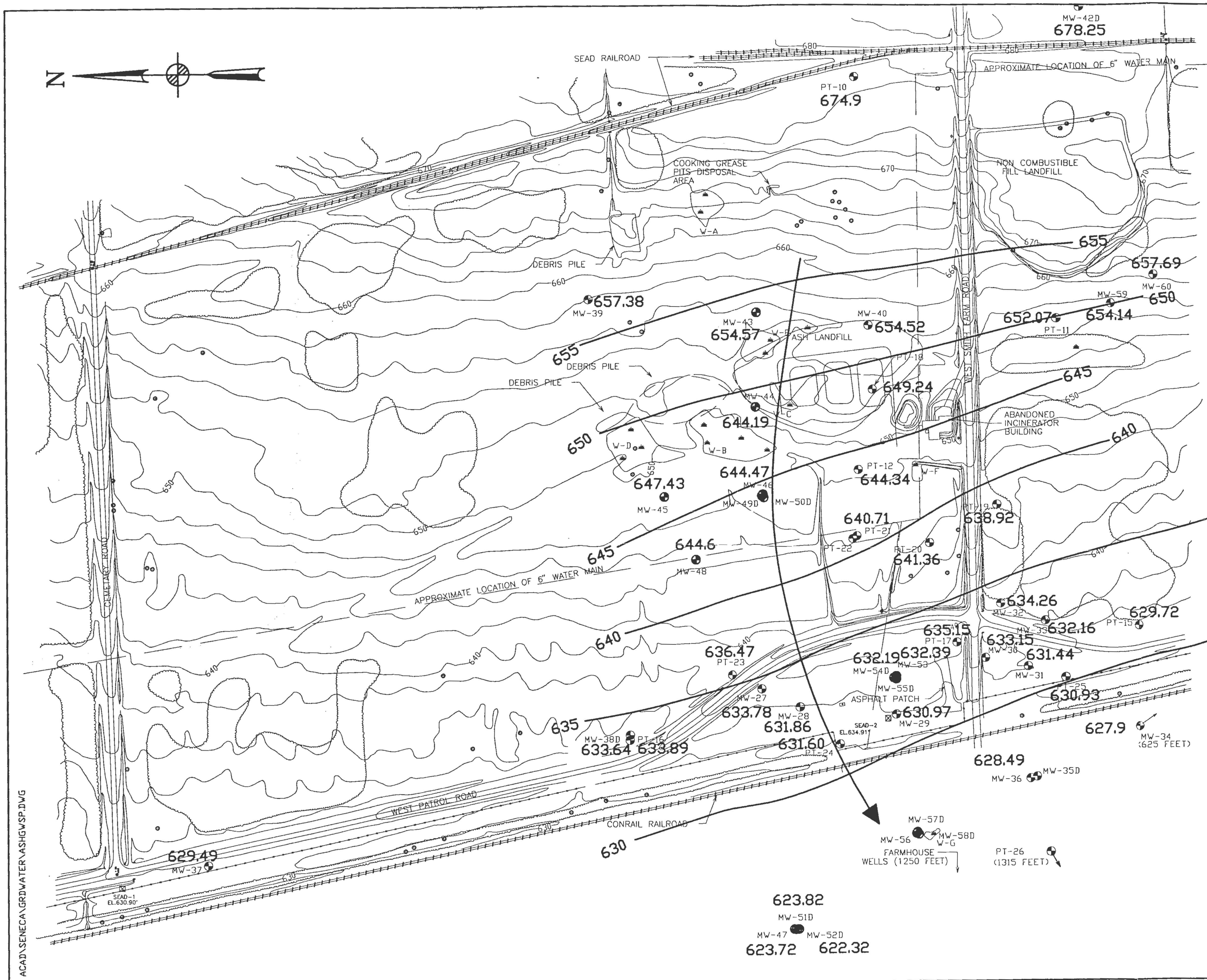
U Compound Not Detected At Instrument Detection Limit

J Concentration Estimated

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

Note:
Positive toluene concentrations in MW36, MW56,MW59, MW60, and PT19 were rejected due to laboratory contamination.
(See letter from Inchcape laboratory dated 11/14/96).

FIGURES



N
SEAD RAILROAD
APPROXIMATE LOCATION OF 6" WATER MAIN
MW-42D
678.25
PT-10
674.9
COOKING GREASE PITS DISPOSAL AREA
W-A
NON COMBUSTIBLE FILL LANDFILL
DEBRIS PILE
MW-39
657.38
657.69
MW-60
MW-59
654.14
652.07
PT-11
MW-43
654.57
MW-40
654.52
ASH LANDFILL
PT-18
649.24
DEBRIS PILE
DEBRIS PILE
MW-44
644.19
W-D
W-B
ABANDONED INCINERATOR BUILDING
WEST SMITH FARM ROAD
PT-12
644.34
W-F
647.43
MW-45
644.47
MW-46
MW-49D
MW-50D
640.71
PT-21
PT-19
638.92
PT-22
PT-20
641.36
644.6
MW-48
APPROXIMATE LOCATION OF 6" WATER MAIN
CEMETARY ROAD
634.26
MW-32
629.72
PT-15
MW-33
632.16
635.15
PT-17
633.15
MW-30
636.47
PT-23
632.19
632.39
MW-53
MW-54D
631.44
MW-31
MW-55D
ASPHALT PATCH
PT-25
630.93
MW-27
633.78
MW-28
631.86
630.97
MW-29
SEAD-2
EL.634.91
MW-38D
PT-16
633.64
633.89
631.60
PT-24
627.9
MW-34
(625 FEET)
628.49
MW-36
MW-35D
WEST PATROL ROAD
CONRAIL RAILROAD
MW-57D
MW-56
MW-58D
W-G
FARMHOUSE WELLS (1250 FEET)
PT-26
(1315 FEET)
629.49
MW-37
SEAD-1
EL.630.90'
623.82
MW-51D
MW-47
MW-52D
623.72
622.32
655
650
645
640
635
630
ACAD\SENECA\GRDWATER\ASHGWSP.DWG

LEGEND:

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

125 0 125 250

1" = 250'

PARSONS

PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE

SENECA ARMY DEPOT ACTIVITY
ASH LANDFILL
GROUNDWATER MONITORING PROGRAM

DEPT.	Dwg. No.
ENVIRONMENTAL ENGINEERING	725980-01011

FIGURE 1
GROUNDWATER ELEVATION CONTOUR PLAN
SEPTEMBER 23, 1996

SCALE	DATE	REV
1" = 250'	NOVEMBER 1996	A

APPENDIX A

FIELD DATA

Ash Landfill Second Quarter 1996 Groundwater Monitoring Program

1. Groundwater Sampling Field Notes

2. Chain-of-Custody Forms

1. Groundwater Sampling Field Data

AMPLE DESCRIPTION

ject/General Data: Ash Landfill 3rd Quarter GW Sampling

mments:

Rules:
1- The LOC ID must be entered as the location identification, and not with a sampling technique prefix.
e.g.: A soil boring sample that is collected from a monitoring well installation is given the LOC ID of that well.
2- Each sample ID must be used only once.
3 - Maximum SAMP_ID Characters: 5
4 - Available QC Codes: SA=Sample, DU=Duplicate, TB=Trip Blank, FB=Field Blank (rinsate)
5- Available Matrix entries: SOIL, SURFACE SOIL, SEDIMENT, SURFACE WATER, WATER
6 - Maximum SAMPLE_DESCRIPTION Characters: 50
7 - Maximum SAMPLE_COMMENTS Characters: 50

Notes:

TUDY_ID	LOC ID (1)	SAMP ID (2,3)	QC CODES (4)	MATRIX (5)	SAMPLE DESCRIPTION (6)	SAMPLED BY	SAMP DATE	SHIP DATE	SAMPLE COMMENTS (7)	Samp Depth Top	Sar Dep Bott
SH0395	PT-11	AL0024	SA	water		PFM/ES					
"	PT-19	AL0025	SA	water		"					
"	PT-24	AL0032	SA	water		"			Aqueter + matrix spike + MRD sample		
"	MW-27	AL0036	SA	water		"					
"	MW-29	AL0035	SA	water		"					
"	MW-30	AL0034	SA	water		"					
"	MW-36	AL0027	SA	water		"					
"	MW-40	AL0026	SA	water		"					
"	MW-47	AL0029	SA	water		"					
"	MW-56	AL0028	SA	water		"					
"	MW-60	AL0022	SA	water		"					
"	FK-S	AL0037	SA	water		"					
"	FK-D	AL0038	SA	water		"					
"	BW-S	AL0039	SA	water		"					
" ✓	TB	AL0021	TB	water		"			Aqueter trip blank		
"	TB	AL0030	TB	water		"			Aqueter + MRD trip blank		
"	PT-24	AL0033	DU	water		"			Duplicate of PT-24		
"	PT-24	AL0031	FB	water		"			Aqueter + MRD Rinsate		

MONITORING WELL FIELD DATA SUMMARY

Project:

General Info.

Rules: Use this form only for groundwater sampling events or groundwater elevation surveys.

Study ID	Location ID	Field Activity	Parameter Measured	Value	Units	Date	Comments
~~QUAD~~ Q3 96	PT-11	Well Sampling	Temperature	15.0	C	9-26-96	
			Specific Conductivity	1.09	mS/cm	"	
			pH	6.9		"	
			Eh	177	mV	"	
			Dissolved Oxygen	4.3	mg/L	"	
			Turbidity	13.2	NTU	"	
~~QUAD~~ Q3 96	PT-19	Well Sampling	Temperature	15.2	C	9-26-96	
			Specific Conductivity	0.92	mS/cm	"	
			pH	6.6		"	
			Eh	7.0	mV	"	→ ?
			Dissolved Oxygen	2.30	mg/L	"	
			Turbidity	0.7	NTU	"	
ASH Q3 96	PT ~~MW~~-24	Well Sampling	Temperature	15.7	C	9.30.96	
			Specific Conductivity	0.791	mS/cm	"	
			pH	6.71		"	
			Eh	158	mV	"	
			Dissolved Oxygen	0.95	mg/L	"	
			Turbidity	0.26	NTU	"	
ASH Q3 96	MW-27	Well Sampling	Temperature	18.1	C	9.30.96	slow well went dry
			Specific Conductivity	0.697	mS/cm	"	
			pH	7.0		"	
			Eh	171	mV	"	
			Dissolved Oxygen	4.0	mg/L	"	
			Turbidity	74.0	NTU	"	
ASH Q3 96	MW-29	Well Sampling	Temperature	17.9	C	9.30.96	
			Specific Conductivity	1.005	mS/cm	"	
			pH	6.6		"	
			Eh	191	mV	"	
			Dissolved Oxygen	3.2	mg/L	"	
			Turbidity	19.9	NTU	"	

IMPORTANT: Each combination of Loc ID, Study ID, and Parameter can be entered only once.

NOTES: 1- Currently availabe PARAMETERS: Depth to Groundwater, Dissolved Oxygen, Eh, pH, Specific Conductivity, Temperature, Turbidity. Add parameter names as needed.

2- Currently available FIELD_ACTIVITIES: Well Sampling, Water Level Measurements

3- Verify that the listed parameter UNITS are correct.

Comments:

MONITORING WELL FIELD DATA SUMMARY

roject:

eneral Info.

ules: Use this form only for groundwater sampling events or groundwater elevation surveys.

Study ID	Location ID	Field Activity	Parameter Measured	Value	Units	Date	Comments
SH Q3 96	MW-30	Well Sampling	Temperature	17.5	C	9.30.96	
			Specific Conductivity	0.605	mS/cm	"	
			pH	6.8		"	
			Eh	205	mV	"	
			Dissolved Oxygen	3.7	mg/L	"	
			Turbidity	1.05	NTU	"	
SH Q3 96	MW-36	Well Sampling	Temperature	14.7	C	9.26.96	
			Specific Conductivity	0.860	mS/cm	"	
			pH	6.9		"	
			Eh	184	mV	"	
			Dissolved Oxygen	1.4	mg/L	"	
			Turbidity	0.93	NTU	"	
SH Q3 96	MW-40	Well Sampling	Temperature	16.4	C	9.26.96	
			Specific Conductivity	0.580	mS/cm	"	
			pH	7.0		"	
			Eh	125	mV	"	
			Dissolved Oxygen	1.6	mg/L	"	
			Turbidity	0.52	NTU	"	
SH Q3 96	MW-47	Well Sampling	Temperature	16.3	C	9.26.96	
			Specific Conductivity	0.700	mS/cm	"	
			pH	6.8		"	
			Eh	234	mV	"	
			Dissolved Oxygen	3.5	mg/L	"	
			Turbidity	22	NTU	"	
SH Q3 96	MW-56	Well Sampling	Temperature	15.0	C	9.27.96	
			Specific Conductivity	0.800	mS/cm	"	
			pH	6.8		"	
			Eh	225	mV	"	
			Dissolved Oxygen	1.4	mg/L	"	
			Turbidity	3.5	NTU	"	

MPORTANT: Each combination of Loc ID, Study ID, and Parameter can be entered only once.

OTES:
1- Currently availabe PARAMETERS: Depth to Groundwater, Dissolved Oxygen, Eh, pH, Specific Conductivity, Temperature, Turbidity. Add parameter names as needed.
2- Currently available FIELD_ACTIVITIES: Well Sampling, Water Level Measurements
3- Verify that the listed parameter UNITS are correct.

omments:

quartsmp/FIELDSUM.WK4

MONITORING WELL FIELD DATA SUMMARY

roject:

eneral Info.

ules: Use this form only for groundwater sampling events or groundwater elevation surveys.

Study ID	Location ID	Field Activity	Parameter Measured	Value	Units	Date	Comments
SH Q3 96	MW-59	Well Sampling	Temperature	15.5	C	9.26.96	
			Specific Conductivity	1.538	mS/cm	"	
			pH	6.54		"	
			Eh	082	mV	"	
			Dissolved Oxygen	1.8	mg/L	"	
			Turbidity	0.57	NTU	"	
SH Q3 96	MW-60	Well Sampling	Temperature	14.6	C	9.26.96	
			Specific Conductivity	0.799	mS/cm	"	
			pH	6.7		"	
			Eh	154	mV	"	
			Dissolved Oxygen	1.16	mg/L	"	
			Turbidity	0.37	NTU	"	
SH Q3 96	FH-S	Well Sampling	Temperature	-	C	9.30.96	
			Specific Conductivity	-	mS/cm	"	
			pH	-		"	
			Eh	-	mV	"	
			Dissolved Oxygen	-	mg/L	"	
			Turbidity	-	NTU	"	
SH Q3 96	FH-D	Well Sampling	Temperature	-	C	9.30.96	Rotten eggs (H_2S) smell "effervescence" also
			Specific Conductivity	-	mS/cm	"	
			pH	-		"	
			Eh	-	mV	"	
			Dissolved Oxygen	-	mg/L	"	
			Turbidity	-	NTU	"	
SH Q3 96	BN-S	Well Sampling	Temperature	-	C	9.30 96	
			Specific Conductivity	-	mS/cm	"	
			pH	-		"	
			Eh	-	mV	"	
			Dissolved Oxygen	-	mg/L	"	
			Turbidity	-	NTU	"	

MPORTANT: **Each combination of Loc ID, Study ID, and Parameter can be entered only once.**

OTES:
1- Currently availabe PARAMETERS: Depth to Groundwater, Dissolved Oxygen, Eh, pH, Specific Conductivity, Temperature, Turbidity. Add parameter names as needed.
2- Currently available FIELD_ACTIVITIES: Well Sampling, Water Level Measurements
3- Verify that the listed parameter UNITS are correct.

omments:

quartsmp/FIELDSUM.WK4

1830 called security 41448 to get out of Post #5
1840 Security arrives!
1845 trailer to unpack & get ready for tomorrow
1915 leave the site

Reminders:
- Jim Jones key 2508
- Rinsate PT-24 for VOAs
- Trip Blanks
-
-

EOD

Pdm

9-26-96
Arrive: 0610
pick up equipment at trailer
Arrive OB/OD grounds 0630
Begin to Sample MW45-3 (Resume it)!
Setup
0645 Begin sampling
0718 Well went dry!
stop sampling & pack up to go to Ash landfill to begin sampling.
0725 Leave OB/OD grounds to return to trailer
0800 Leave for Ash Landfill
Elisa stays to pack coolers & take them to 323 for shipping
0815 set up on MW-60

Ash LANDFILL

MW-60
10.29 - 2.46' = 7.83'
7.83' x .163 = 1.3 gal. vol.
well pt. 10.29'
pump intake @ 7.5' toc

Pdm

~0900 Begin purge

in Field: CAL. YSI pH ✓ 4/7
ORP ✓ Zobell Sol.
Cond ✓
DO ✓

* my watch stopped !!

*stop watch says 0820 ref. time 1

Time*	Rate	Temp	Cond	pH	ORP	DO	Turb
0820	140	13.2	.802	6.84	213	4.0	0.86
0825	140	13.5	.801	6.78	209	3.3	(low)

→ water level 3.7' slowly falling
"stable" will reduce flow rate slightly

0830	130	13.8	.800	6.76	205	2.25	(low)
0835	130	14.0	.792	6.72	198	1.70	0.35
0840	130	14.1	.797	6.71	193	1.6	(low)
0845	130	14.3	.782	6.70	187	1.26	(low)

— gene (Compress out of gas) —

0900	130	14.3	.777	6.69	168	1.20	(low)
0905	130	14.2	.788	6.70	161	1.20	(low)
0910	130	14.3	.801	6.70	157	1.18	(low)
0915	130	14.6	.799	6.7	154	1.16	0.37

Sampling at 10:00.
Sample No. AL0022
Parameters: VOA (3 vials)
1010 Done sampling MW-60

Move to MW-59

MW-59

9.99 − 2.69 = 7.30'

well pt 9.99 — 7.30 x .163 = 1.2 gal
pump intake: 17.5'

stop watch time — Begin purge @ 1037 (real time)
= water stable at 3.3' TOC =

Time	Rate	Temp	Cond.	pH	ORP	DO	Turb
0950	300	14.8	1.538	6.68	105	4.0	0.58
0955	300	14.9	1.549	6.61	092	3.1	(low)
1000	310	15.2	1.541	6.58	086	2.5	(low)
1005	310	15.3	1.539	6.56	082	2.1	(low)
1010	310	15.4	1.538	6.55	082	1.9	(low)
1015	310	15.5	1.538	6.54	082	1.8	0.57

— Stop purge tot. vol. 1.3 gal —
Sample I.D.: AL0023
3 VOA vials
Sample time 1110
— Mob to PT-11 —

PT-11

19.54' − 6.15' = 13.39'
pt wall: 19.54
13.39 x .163 =
pump intake @ 15'

13.39 x .163 = 2.2 gals. volume.

(54) pH ±.1 Cond 3% Eh 10 mV DO 10%

1140 Begin purge at PT-11

Time	Rate	Temp.	Cond.	pH	ORP	Do.	Turb
1145	100	—	—	—	—	—	—
1200	100	15.3	1.12	6.70	165	4.6	1.18
1205	100	15.8	1.12	6.86	160	4.1	low
1210	~~100~~ 75	16.3	1.11	6.8 9	163	3.8	0.80
1215	75	16.6	1.11	6.9	166	3.3	low
1220	75	16.6	1.09	6.9	163	3.8	low
1225	70	17.1	1.11	6.8	161	3.4	low
1240	130	16.2	1.08	6.90	181	4.3	low
1250	250	15.2	1.08	6.9	175	4.1	low
1255	260	15.1	1.08	6.9	177	4.3	low
1300	250	15.0	1.09	6.9	177	4.3	13.2

1310 Stop pumping we have reached ~~stabilization~~ - but well went dry - will return to get volume required only then sample. - 2.2 gallons

1315 pump started to sample well
Sample AL024
3 VOA vials
Sample time 1320

1322 Mob to P.T-19

PT-19

11.70 - 6.34 = 5.36'
Point of well 11.70'
5.36 x .163 = 0.87 ga
pump intake @ 8.4'

1350 Purging begins at PT-19.

Time	Rate	Temp.	Cond.	pH	ORP	DO
~~1400~~	240					
1401	275					
1405		16.0	0.84	6.7	50	4.95
1410		15.5	0.88	6.6	17	3.40
1415		15.3	0.91	6.6	10	3.0
1420	380	15.2	0.92	6.6	7	2.7
1425		15.1	0.92	6.6	7	2.4
1430		15.2	0.92	6.6	7	2.30

Stop purging : total volume 1.75 g
Sample at 1435
Sample ID # AL025
3 VOA vials

Mob: to MW-40

MW-40

14.71' - 4.78' = 9.93'
Point of well - 14.71'

(56) pH ±.1 Cond 3% Eh 10mv DO 10%

9.93' x .163 = 1.6 gals. = 1 volume
Pump intake at 9.5'

1510 Purging begins at MW-40

Time	Rate	Temp	Cond.	pH	ORP	D.O	Turb
1513	50						
1517	100						
1530		17.3	0.57	7.1	138	5.5	
1535		16.7	0.58	7.0	132	2.5	0.49
1540	200	16.4	0.58	7.0	129	1.9	low
1545	115	16.8	0.58	7.0	128	1.9	low
1550		16.7	0.58	7.0	126	1.8	low
1555		16.4	0.58	7.0	125	1.6	0.52

Purging stopped
1615 ~~1615~~ Sampled
AL0026 = MW40 1D #
3 VOA vials
Mob to MW-36 off-site well
MW-36 @
16.58' - 3.30' = 13.28'
Well point at 16.58'
13.28 x .163 = 2.2 gal = 1 volume.
Pump intake at 11.0'
1725 Purging begins at MW-36

Time	Rate	Temp.	Cond.	pH	ORP	D.O
1730	250	@ depth to water = 3.70'				
1740		15.4	0.80	7.0	205	4.
1745		15.0	0.82	6.9	193	1.8
1750		14.9	0.82	6.9	186	1.5
1755	250	14.8	0.82	6.9	183	1.3
1800		14.8	0.81	6.9	184	1.9
1805	250	14.7	0.81	6.9	184	1.4

Purging stopped. 2.2 gal. remov
MW-36 sampled at 1810
Sample ID = AL0027
3 VOA vials
Mob off-site.
1819 leave MW-36 site.

9.27.96

Arrive MW-56 0630

ES Pom

- Decon pumps + calibrate instruments for the day

pH 6.96 w/ 7.0 buffer

Adj to 7 w/ "CAL"

4.00 w/ 4.0 buffer

~~Adj to 4 w/ "slope"~~

stablized @ 4.00; no Adj made

ORP Reading 243 in Zobells Sol.

Temp: 16.7 °C

make temp adjust. calc. below

-

-

-

-

-

Spec. cond.

1.051 w/ 1000 mmoh/cm STD.

mU/cm ≈ "microsiemens/cm"

DO

set up MW-~~36~~ 56

MW-~~36~~	56

6.88' - 3.20' = 3.68'

POW = 6.88'

3.68 x .163 = 0.6 gal = 1 vol.

Pump intake at 5.8'

Purging begins at 0715 at MW-56

Time	Rate	Temp.	Cond.	pH	ORP	D.O.	Turb
0720	130						
0725	150	maintaing water level at 3.4'					
0730	270	15.1	0.80	6.8	247	4.4	8.8
0735		15.1	0.80	6.8	242	2.7	low
0740	210	15.0	0.80	6.8	237	2.0	low
0745	210	15.0	0.80	6.8	230	1.7	3.5
0750	210	15.0	0.80	6.8	225	1.4	3.5

Purging stopped at 0750

1.5 gal. removed.

MW-56 sampled of 0750.

sampled ID = ALØ28

3 VOA vials

Mob to MW-47 (300)

(60) MW-47

8.56' - 4.34' = 4.22'

POW = 8.56

4.22' x .163 = 0.7 gal = 1 vol.

pump intake @ 5.3'

834 Purging begins

Time	Rate	Temp.	Cond.	pH	ORP	D.O.	Turb.
0840	230	16.3	0.70	67.0	232	4.6	125
0845		16.4	0.71	6.9	236	4.2	+
0850		16.4	0.71	6.9	237	3.3	-
0855		16.3	0.70	6.9	236	2.8	22
0900		16.3	0.70	6.8	235	2.6	
0905		16.3	0.70	6.8	234	2.5	

Purging stopped at 0905

0.8 gal. removed.

MW-47 sampled at 0930.

Sample ID ALØ29

3 VOA vials

0932 Mob off farm.

Arrive OB/DD: 0950

0955 Resume sampling MW45-3.

~~1000~~ well dry!! TOC & VIALS + 1 S.C.

1015 at Post 5 waiting for security

[still have to finish ~~TOC~~ S.C. + metals + CN]

(61)

CALL • Taylor Rental: Compressor (N. Syr.) ✓

• HAZCO: YSI ✓

Extend until Tuesday!

• Airlines ✓

• Motel 6 - 2 rooms. ✓ #09.291216 DD

• Mark Baker. ✓

• Farmhouse: X ns

• Timecard: ✓

1230 ES leaves site.

9.30.96

Arrive: 0700

AS At PGM

- pack vehicle
- decon pumps
- calibrate equipment.

0730 CALibrate equipment:

Spec. Cond.

1000 microsemens/cm STD

reads: ~~1060~~ 1057 microsemens/cm

ORP

Zobell Solution reading: 244 mV

Temp reading: 15.2 °c

-
-
-
-
-

pH

7 Buffer reads 7.00

4 Buffer reads 4.01

DO

zero

temp probe 15°c

Alt. = 640' MSl

CAl. val. for 15°c = 10.2 ppm

640 mls Altitude factor .97

10.2 ppm x .97 = 9.89 ppm

Sodium Sulfite solution

reads = 0.04 ppm

Turbidity

Turbidity Standard (NTU)	Reading (NTU)
422	426.
48.8	48.6
4.48	4.43

Mob to OB Grounds

Sampling

0825 Sampling MW45-3

Sp. Cond.

Metals NTU = 1.43

Cyanide

Completed Sampling MW45-3

0850 Mob to Ash Landfill

0915 ~~MW~~ PT-24

11.88' - 4.80' = 7.08'

7.08 × 0.163 = 1.15 gals = 1 vol.

POW = 11.88'

Pump intake at 8.0'

Purging begins 0925

0915 Rinsate poured. for Agualac + MRD.

(64)

Time	Rate (ml)	Temp (°C)	Cond. (mS/cm)	pH (STD)	ORP (mV)	D.O. (ppm)	Turb (NTU)
0933	370	water at 4.98' (stable)					
0940	370	15.3	.761	6.79	200	3.2	0.62
0945	370	15.4	.786	6.73	185	1.6	(low)
0950	370	15.4	.788	6.72	178	1.2	(low)
0955	370	15.4	.791	6.71	167	1.0	(low)
1000	370	15.6	.790	6.71	161	0.95	(low)
1005	370	15.7	.791	6.71	158	0.95	0.26

stop purge 1005 (2 gallons removed)

1010 Sampling PT-24
3 VOA vials per set.
AL032 sample
MS
MSD
MRD (8260A)
AL033 duplicate

1020 mob to MW-27

MW-27

10.52' - 5.54' = 4.98'
Well point = 10.52'
4.98' x .163 = 0.80 gal = 1 volume
Pump at ~~6.5~~ 7.0'

1040 Purging begins
Water at 3.6' below top of casing

Time	Rate	Temp.	Cond.	pH	ORP	D.O.
10:48	60 ml/min	water at 4.8' drop				
1050	60	17.0	.633	7.2	193	
1055		17.1	.633	7.1	195	
1058		17.2	.638	7.1	194	5.1 ~~5.0~~
1101		17.2	.643	7.1	197	4.7

1102 Purging stopped. Well drawn dow & pump screen.
Total volume: 0.50 gallons.

1110 Mob to decon pumps, bA phone calls to office, get ice

1200 Mob to Ash Landland

MW-30

1210 Mob to MW-30.
10.52' - 7.17' = 3.35'
BOW = 10.52'
3.35 x .163 = 0.55 gals = 1 volume
Pump intake = 8.5'

1223 Purging begins.
Water at 5.1' below TOC.

1227 Rate: 200 ml/min

1228 Rate: 210 ml/min

(16) pH ±.1 Cond 3% Eh ±10 DO 10%

MW-30

Time	Rate	Temp.	Cond.	pH	ORP	D.O.	Turb.
1240	210	18.2	.597	6.8	193.	5.0	4.6
		water level at 5.2'					
1245	210	17.9	.600	6.8	189	4.3	low
1250	210	17.4	.606	6.8	196	3.95	low
1253	210	17.3	.606	6.8	199	3.9	low
1256	210	17.3	.606	6.8	200	3.8	low
~~1259~~ 1300	210	17.4	.607	6.8	203	3.7	(low)
1304	210	17.5	.605	6.8	205	3.7	1.05

End purge
1.2 gallons removed.

1310 MW-30 sampled
3 VOA VIALS
AL Ø34

1325 MW-29
10.54' − 6.34' = 4.20'
POW = 10.54'
4.20' × .163 = 0.7 gal = 1 Vol.
Pump intake at 8.5'

1335 Purging begins
Water at 5.8' below TOC. before pumping
Rate: 200 ml/min
Water at 5.9' after pumping

Time	Rate	Temp.	Cond.	pH	ORP	D.O.
1350	200	18.8	0.964	6.7	197	5.1
1355	200	18.2	0.983	6.7	198	4.4
1400	200	17.8	0.990	6.7	195	3.8
1405	200	17.8	0.999 1.000	6.7	191	3.5
1410	200	18.0	1.003	6.6	190	3.2
1413	200	17.7	1.005	6.6	191	3.2

Stop purge @ 1413
1.25 gallons removed

1415 MW-29 sampled
3 VOA VIALS
AL Ø35

1430 Return to MW-27

1433 Purging again

Time	Rate	Temp	Cond	pH	ORP	D.O.
~~1435~~						
1445		18.8	0.658	7.2	175	6.1
1448		17.4	0.681	7.0	183	5.1
1451		lowered pump to 9.8'				
1455		18.1	0.697	7.0	174	4.0

Purging stopped

1500 Sampled well MW-27
3 VOA vials
0.3 gallons removed. Went No!

will return later today to sample the well for VOAs

1506 Depart. from MW-27, return to trailer to phone Slates @ farmhouse.

1520 trailer to pack equipment + Secon. pumps, YSI meter, NTU meter,

1635 leave trailer for MW-27

1700 MW-27 sampled.
3 VOA vials
AL036

1709 return to trailer; place compressor + pump in trailer.

1725 Leave SEDA to sample farmhouse wells.
Called The Slates before leaving site. Talked to Eric. who said it would be ok to come by tonight to sample. The Slates are in N. Carolina;

1745 Arrive at farmhouse.

1753 Sampled kitchen sink water.

~~1753~~ FH-D = AL038

1800 Sampled outside faucet
FH-S = AL037

1805 Sampled well with bailer
BAILER = AL039

5 min. purge

Notes.
- Inside faucet on at 5:48 (1748)
- Outside faucet on at 5:50 (1750)
- allowed to run for 10 minutes before sampling.

1810 Leave farmhouse.

BOD.
E. Schacht

725980-01011

(70)

10/1/96

0700 ES + PFM arrive.
Review what tasks need to be done
to complete gw program.

0740 Paul + TM to do a geophysical
work
ES to complete gw program

~~10~~ 0930 Centers, Huzco, Mairschalk packages
shipped

10:15 Randy Youngman on-site to
do SVOC 16+17.

11:00 ES off site
Returning Compressor to Taylor
in Syracuse

2. Chain-of-Custody Forms

CHAIN-OF-CUSTODY RECORD

PAGE 1 OF 2

GONS
NG-SCIENCE, INC.
Phone: 617-859-2000
9 Fax: 617-859-2043

JOB NO. 425980-01011
PROJECT Quarterly
CONTACT M. Duchesneau

LABORATORY Aquatec
ADDRESS Colchester VT.
CONTACT Polly Mulik

IO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSES VOA	SVOC	METALS	PEST/PCB	CN	HERB	TPH				NO. OF CONTAINERS	COMMENTS (Special instructions, cau
2	—	9/26/96		—	water	3										3	524.2
3	—	9/26/96		—	water	3										3	524.2
	—	9/26/96		—	water	3										3	524.2
5	—	9/26/96		—	water	3										3	524.2
6	—	9/26/96		—	water	3										3	524.2
7	—	9/26/96	1810	—	water	3										3	524.2
8 SD	—	9/27/96	0750	—	water	3										3	524.2
9 SD	—	9/27/96	0930	—	water	3										3	524.2
9 SD																	
	—	9/26/96	0800	—	water	3											Trip Blank

Relinquished by
Schuck
Schuck
ES
96 Time 1400

Received by
Sign
Print
Firm
Date Time

Received by
Sign
Print
Firm
Date Time

Time

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 #: 34

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

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

CHAIN-OF-CUSTODY RECORD

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

JOB NO. 725980 - 01011
PROJECT Quarterly Sampling
CONTACT M Duchesneau

LABORATORY Aquatec
ADDRESS Colchester, VT
CONTACT Polly Malik

O.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	VOA	SVOC	METALS	PEST/PCB	CN	HERB	TPH				NO. OF CONTAINERS	COMMENTS (Special instructions, cau
	—	9/30/96	1010	—	water	9										9	ms, msD
	—	9/30/96	0915	—	water	3										3	Rinsate
	—	9/30/96	0800	—	water	3										3	Trip Blank
	—	9/30/96	1010	—	water	3										3	
	—	9/30/96	1310	—	water	3										3	
	—	9/30/96	1415	—	water	3										3	
	—	9/30/96	1700	—	water	3										3	
	—	9/30/96	1800	—	water	3										3	
	—	9/30/96	1753	—	water	3										3	
	—	9/30/96	1805	—	water	3										3	

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

Relinquished by
Sign chacho
Print Schacht
Firm ES
Date 96 Time 1000

Received by
Sign
Print
Firm
Date Time

Received by
Sign
Print
Firm
Date Time

Time

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
AL032 is M

Cooler #: 49

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

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

Lims # 4217

CHAIN-OF-CUSTODY RECORD

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

JOB NO. 725980-01011
PROJECT Quarterly Sampling
CONTACT M. Duchesneau.

LABORATORY MRD
ADDRESS Omaha, Neb
CONTACT Laura Percifield

...O.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE MATRIX	VOA	SVOC	METALS	PEST/PCB	CN	HERB	TPH				NO. OF CONTAINERS	COMMENTS (Special Instructions, cauti...)
	—	9/30/96	1010	—	water	3										3	
	—	9/30/96	0915	—	water	3										3	Rinsate
	—	9/30/96	0800	—	water	3										3	Trip Blank

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

...linquished by
...
...Schacht
... ES
Time 1000

Received by
Sign
Print
Firm
Date Time

Received by
Sign
Print
Firm
Date Time

Time

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

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

REMARKS: (Sample s... nonstandard sample b...)

Cooler #:

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

APPENDIX B

Laboratory Analytical Packages with QA/QC Data

1. Sample Delivery Group No. 61529

A. Volatile Organics Analysis Results
B. Inchcape correspondence regarding toluene contamination

A. Volatile Organics Analysis Results

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL021

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314468

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314468I2V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/02/96

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL021

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314468

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314468I2V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/02/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL021

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314468

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314468I2V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/02/96

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.

AL022

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314460

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314460V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.9	
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL022

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314460

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314460V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL022

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314460

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314460V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-63-0	Isopropyl Alcohol	5.538	1	NJ
2.	141-78-6	Ethyl Acetate	8.388	2	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL023

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314461

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314461V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.9	
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL023

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314461

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314461V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL023

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314461

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314461V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-63-0	Isopropyl Alcohol	5.538	5	NJ
2.	141-78-6	Ethyl Acetate	8.388	2	NJ
3.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL024

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314462

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314462V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL024

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314462

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314462V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL024

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314462

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314462V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	75-45-6	Methane, chlorodifluoro-	2.550	190	NJ
2.	67-63-0	Isopropyl Alcohol	5.538	18	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL025

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314463

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314463V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.9	
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL025

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314463

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314463V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL025

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314463

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314463V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-63-0	Isopropyl Alcohol	5.538	4	NJ
2.	141-78-6	Ethyl Acetate	8.388	2	NJ
3.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL026

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314464

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314464V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL026

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314464

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314464V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL026

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314464

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314464V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-63-0	Isopropyl Alcohol	5.538	0.8	NJ
2.	141-78-6	Ethyl Acetate	8.387	0.8	NJ
3.					
4.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL027

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314465

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314465V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL027

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314465

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314465V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL027

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314465

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314465V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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.	141-78-6	Ethyl Acetate	8.370	2	NJ
2.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL028

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314466

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314466V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL028

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314466

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314466V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL028

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314466

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314466V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/01/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-63-0	Isopropyl Alcohol	5.538	3	NJ
2.	141-78-6	Ethyl Acetate	8.371	2	NJ
3.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL029

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314467

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314467I2V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/02/96

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	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	2	J
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.7	
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL029

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314467

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314467I2V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/02/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL029

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314467

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: L314467I2V.D

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Data Analyzed: 10/02/96

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.	141-78-6	Ethyl Acetate	8.388	2	NJ
2.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL030

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314882

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314882I2V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	4	J
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	2	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.2	J
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL030

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314882

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314882I2V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL030

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314882

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314882I2V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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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3.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL031

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314881

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314881V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	14	
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	2	
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL031

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314881

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314881V.D

Level: (low/med) LCW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL031

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314881

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314881V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	2.585	0.8	J
2.	67-63-0	Isopropyl Alcohol	5.729	46	NJ
3.					
4.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL032

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314880

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M34880V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	1	
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.8	
156-59-2	cis-1,2-Dichloroethene	130	E
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	7	
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL032

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314880

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M34880V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

EPA SAMPLE NO.

AL032

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314880

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M34880V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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.		Unknown	5.729	1	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL032DL

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314880D1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314880D5V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/08/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 6.7

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	3	U
74-87-3	Chloromethane	3	U
75-01-4	Vinyl Chloride	3	U
74-83-9	Bromomethane	3	U
75-00-3	Chloroethane	3	U
75-69-4	Trichlorofluoromethane	3	U
67-64-1	Acetone	33	U
75-35-4	1,1-Dichloroethene	3	U
156-60-5	trans-1,2-Dichloroethene	3	U
75-15-0	Carbon Disulfide	3	U
75-09-2	Methylene Chloride	3	U
75-34-3	1,1-Dichloroethane	3	U
156-59-2	cis-1,2-Dichloroethene	120	D
78-93-3	2-Butanone	33	U
590-20-7	2,2-Dichloropropane	3	U
67-66-3	Chloroform	3	U
74-97-5	Bromochloromethane	3	U
71-55-6	1,1,1-Trichloroethane	3	U
563-58-6	1,1-Dichloropropene	3	U
56-23-5	Carbon Tetrachloride	3	U
107-06-2	1,2-Dichloroethane	3	U
71-43-2	Benzene	3	U
79-01-6	Trichloroethene	7	D
78-87-5	1,2-Dichloropropane	3	U
75-27-4	Bromodichloromethane	3	U
74-95-3	Dibromomethane	3	U
108-10-1	4-Methyl-2-Pentanone	33	U
10061-01-5	cis-1,3-Dichloropropene	3	U
108-88-3	Toluene	3	U
10061-02-6	trans-1,3-Dichloropropene	3	U
79-00-5	1,1,2-Trichloroethane	3	U
591-78-6	2-Hexanone	33	U
142-28-9	1,3-Dichloropropane	3	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL032DL

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314880D1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314880D5V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/08/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 6.7

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL032DL

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314880D1

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314880D5V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/08/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 6.7

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.

AL033

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314883

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314883DV.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 4.9

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	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
67-64-1	Acetone	24	U
75-35-4	1,1-Dichloroethene	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
75-15-0	Carbon Disulfide	2	U
75-09-2	Methylene Chloride	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	96	
78-93-3	2-Butanone	24	U
590-20-7	2,2-Dichloropropane	2	U
67-66-3	Chloroform	2	U
74-97-5	Bromochloromethane	2	U
71-55-6	1,1,1-Trichloroethane	2	U
563-58-6	1,1-Dichloropropene	2	U
56-23-5	Carbon Tetrachloride	2	U
107-06-2	1,2-Dichloroethane	2	U
71-43-2	Benzene	2	U
79-01-6	Trichloroethene	5	
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
74-95-3	Dibromomethane	2	U
108-10-1	4-Methyl-2-Pentanone	24	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
591-78-6	2-Hexanone	24	U
142-28-9	1,3-Dichloropropane	2	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL033

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314883

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314883DV.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 4.9

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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL033

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314883

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314883DV.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 4.9

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.

AL034

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: CBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314884

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314884V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL034

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314884

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314884V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL034

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314884

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314884V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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.	67-63-0	Isopropyl Alcohol	5.729	1	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL035

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314885

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314885DV.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 6.7

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	3	U
74-87-3	Chloromethane	3	U
75-01-4	Vinyl Chloride	3	U
74-83-9	Bromomethane	3	U
75-00-3	Chloroethane	3	U
75-69-4	Trichlorofluoromethane	3	U
67-64-1	Acetone	33	U
75-35-4	1,1-Dichloroethene	3	U
156-60-5	trans-1,2-Dichloroethene	3	U
75-15-0	Carbon Disulfide	3	U
75-09-2	Methylene Chloride	3	U
75-34-3	1,1-Dichloroethane	3	U
156-59-2	cis-1,2-Dichloroethene	140	
78-93-3	2-Butanone	33	U
590-20-7	2,2-Dichloropropane	3	U
67-66-3	Chloroform	3	U
74-97-5	Bromochloromethane	3	U
71-55-6	1,1,1-Trichloroethane	3	U
563-58-6	1,1-Dichloropropene	3	U
56-23-5	Carbon Tetrachloride	3	U
107-06-2	1,2-Dichloroethane	3	U
71-43-2	Benzene	3	U
79-01-6	Trichloroethene	4	
78-87-5	1,2-Dichloropropane	3	U
75-27-4	Bromodichloromethane	3	U
74-95-3	Dibromomethane	3	U
108-10-1	4-Methyl-2-Pentanone	33	U
10061-01-5	cis-1,3-Dichloropropene	3	U
108-88-3	Toluene	3	U
10061-02-6	trans-1,3-Dichloropropene	3	U
79-00-5	1,1,2-Trichloroethane	3	U
591-78-6	2-Hexanone	33	U
142-28-9	1,3-Dichloropropane	3	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL035

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314885

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314885DV.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 6.7

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

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

AL035

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314885

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314885DV.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 6.7

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

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	67-63-0	Isopropyl Alcohol	5.712	7	NJ
2.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL036

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314886

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314886V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	11	
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL036

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314886

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314886V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL036

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314886

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314886V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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.	67-63-0	Isopropyl Alcohol	5.729	1	NJ
2.					
3.					
4.					
5.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL037

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314887

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314887V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL037

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314887

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314887V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL037

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314887

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314887V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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.

AL038

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314888

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314888V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.4	J
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U
142-28-9	1,3-Dichloropropane	0.5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL038

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314888

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314888V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL038

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314888

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314888V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/03/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	75-18-3	Dimethyl sulfide	5.454	1	NJ
2.	64-19-7	Acetic acid	11.932	0.8	NJ
3.					
4.					
5.					
6.					
7.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL039

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314889

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314889V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL039

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314889

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314889V.D

Level: (low/med) LOW Date Received: 06/27/00

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AL039

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314889

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314889V.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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.

LHPBLCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LHPQ002BV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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	0.3	J
74-87-3	Chloromethane	0.4	J
75-01-4	Vinyl Chloride	0.4	J
74-83-9	Bromomethane	0.3	J
75-00-3	Chloroethane	0.4	J
75-69-4	Trichlorofluoromethane	0.3	J
67-64-1	Acetone	2	J
75-35-4	1,1-Dichloroethene	0.3	J
156-60-5	trans-1,2-Dichloroethene	0.4	J
75-15-0	Carbon Disulfide	0.3	J
75-09-2	Methylene Chloride	0.4	J
75-34-3	1,1-Dichloroethane	0.4	J
156-59-2	cis-1,2-Dichloroethene	0.4	J
78-93-3	2-Butanone	1	J
590-20-7	2,2-Dichloropropane	0.4	J
67-66-3	Chloroform	0.4	J
74-97-5	Bromochloromethane	0.3	J
71-55-6	1,1,1-Trichloroethane	0.4	J
563-58-6	1,1-Dichloropropene	0.3	J
56-23-5	Carbon Tetrachloride	0.3	J
107-06-2	1,2-Dichloroethane	0.4	J
71-43-2	Benzene	0.4	J
79-01-6	Trichloroethene	0.3	J
78-87-5	1,2-Dichloropropane	0.4	J
75-27-4	Bromodichloromethane	0.4	J
74-95-3	Dibromomethane	0.3	J
108-10-1	4-Methyl-2-Pentanone	2	J
10061-01-5	cis-1,3-Dichloropropene	0.4	J
108-88-3	Toluene	0.3	J
10061-02-6	trans-1,3-Dichloropropene	0.4	J
79-00-5	1,1,2-Trichloroethane	0.4	J
591-78-6	2-Hexanone	2	J
142-28-9	1,3-Dichloropropane	0.4	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LHPBLCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LHPQ002BV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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	0.3	J
124-48-1	Dibromochloromethane	0.4	J
106-93-4	1,2-Dibromoethane	0.4	J
108-90-7	Chlorobenzene	0.4	J
630-20-6	1,1,1,2-Tetrachloroethane	0.3	J
100-41-4	Ethylbenzene	0.4	J
1330-20-7	Xylene (total)	1	
100-42-5	Styrene	0.4	J
75-25-2	Bromoform	0.4	J
98-82-8	Isopropylbenzene	0.4	J
79-34-5	1,1,2,2-Tetrachloroethane	0.4	J
96-18-4	1,2,3-Trichloropropane	0.4	J
108-86-1	Bromobenzene	0.4	J
103-65-1	n-Propylbenzene	0.3	J
95-49-8	2-Chlorotoluene	0.3	J
108-67-8	1,3,5-Trimethylbenzene	0.4	J
106-43-4	4-Chlorotoluene	0.4	J
98-06-6	tert-Butylbenzene	0.3	J
95-63-6	1,2,4-Trimethylbenzene	0.4	J
135-98-8	sec-Butylbenzene	0.4	J
99-87-6	p-Isopropyltoluene	0.4	J
541-73-1	1,3-Dichlorobenzene	0.4	J
106-46-7	1,4-Dichlorobenzene	0.4	J
104-51-8	n-Butylbenzene	0.4	J
95-50-1	1,2-Dichlorobenzene	0.4	J
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	J
120-82-1	1,2,4-Trichlorobenzene	0.4	J
87-68-3	Hexachlorobutadiene	0.4	J
91-20-3	Naphthalene	0.4	J
87-61-6	1,2,3-Trichlorobenzene	0.4	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LHPCLCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LHPQ002CV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/02/96

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	0.4	J
74-87-3	Chloromethane	0.4	J
75-01-4	Vinyl Chloride	0.4	J
74-83-9	Bromomethane	0.6	
75-00-3	Chloroethane	0.4	J
75-69-4	Trichlorofluoromethane	0.4	J
67-64-1	Acetone	4	J
75-35-4	1,1-Dichloroethene	0.4	J
156-60-5	trans-1,2-Dichloroethene	0.4	J
75-15-0	Carbon Disulfide	0.4	J
75-09-2	Methylene Chloride	0.4	J
75-34-3	1,1-Dichloroethane	0.4	J
156-59-2	cis-1,2-Dichloroethene	0.4	J
78-93-3	2-Butanone	3	J
590-20-7	2,2-Dichloropropane	0.4	J
67-66-3	Chloroform	0.4	J
74-97-5	Bromochloromethane	0.4	J
71-55-6	1,1,1-Trichloroethane	0.4	J
563-58-6	1,1-Dichloropropene	0.4	J
56-23-5	Carbon Tetrachloride	0.4	J
107-06-2	1,2-Dichloroethane	0.4	J
71-43-2	Benzene	0.4	J
79-01-6	Trichloroethene	0.4	J
78-87-5	1,2-Dichloropropane	0.4	J
75-27-4	Bromodichloromethane	0.4	J
74-95-3	Dibromomethane	0.4	J
108-10-1	4-Methyl-2-Pentanone	4	J
10061-01-5	cis-1,3-Dichloropropene	0.4	J
108-88-3	Toluene	0.4	J
10061-02-6	trans-1,3-Dichloropropene	0.4	J
79-00-5	1,1,2-Trichloroethane	0.4	J
591-78-6	2-Hexanone	4	J
142-28-9	1,3-Dichloropropane	0.4	J

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LHPCLCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LHPQ002CV.D

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: not dec. _____ Data Analyzed: 10/02/96

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	0.4	J
124-48-1	Dibromochloromethane	0.4	J
106-93-4	1,2-Dibromoethane	0.4	J
108-90-7	Chlorobenzene	0.4	J
630-20-6	1,1,1,2-Tetrachloroethane	0.4	J
100-41-4	Ethylbenzene	0.4	J
1330-20-7	Xylene (total)	1	
100-42-5	Styrene	0.4	J
75-25-2	Bromoform	0.4	J
98-82-8	Isopropylbenzene	0.4	J
79-34-5	1,1,2,2-Tetrachloroethane	0.4	J
96-18-4	1,2,3-Trichloropropane	0.4	J
108-86-1	Bromobenzene	0.4	J
103-65-1	n-Propylbenzene	0.3	J
95-49-8	2-Chlorotoluene	0.3	J
108-67-8	1,3,5-Trimethylbenzene	0.4	J
106-43-4	4-Chlorotoluene	0.3	J
98-06-6	tert-Butylbenzene	0.4	J
95-63-6	1,2,4-Trimethylbenzene	0.4	J
135-98-8	sec-Butylbenzene	0.4	J
99-87-6	p-Isopropyltoluene	0.4	J
541-73-1	1,3-Dichlorobenzene	0.4	J
106-46-7	1,4-Dichlorobenzene	0.4	J
104-51-8	n-Butylbenzene	0.4	J
95-50-1	1,2-Dichlorobenzene	0.4	J
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	
120-82-1	1,2,4-Trichlorobenzene	0.4	J
87-68-3	Hexachlorobutadiene	0.4	J
91-20-3	Naphthalene	0.4	J
87-61-6	1,2,3-Trichlorobenzene	0.4	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MKRALCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MKRQ002AV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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	0.6	
74-87-3	Chloromethane	0.6	
75-01-4	Vinyl Chloride	0.6	
74-83-9	Bromomethane	0.6	
75-00-3	Chloroethane	0.6	
75-69-4	Trichlorofluoromethane	0.6	
67-64-1	Acetone	4	J
75-35-4	1,1-Dichloroethene	0.6	
156-60-5	trans-1,2-Dichloroethene	0.6	
75-15-0	Carbon Disulfide	0.5	
75-09-2	Methylene Chloride	0.6	
75-34-3	1,1-Dichloroethane	0.7	
156-59-2	cis-1,2-Dichloroethene	0.6	
78-93-3	2-Butanone	4	J
590-20-7	2,2-Dichloropropane	0.9	
67-66-3	Chloroform	0.6	
74-97-5	Bromochloromethane	0.5	
71-55-6	1,1,1-Trichloroethane	0.6	
563-58-6	1,1-Dichloropropene	0.6	
56-23-5	Carbon Tetrachloride	0.6	
107-06-2	1,2-Dichloroethane	0.6	
71-43-2	Benzene	0.6	
79-01-6	Trichloroethene	0.6	
78-87-5	1,2-Dichloropropane	0.7	
75-27-4	Bromodichloromethane	0.6	
74-95-3	Dibromomethane	0.6	
108-10-1	4-Methyl-2-Pentanone	4	J
10061-01-5	cis-1,3-Dichloropropene	0.6	
108-88-3	Toluene	0.6	
10061-02-6	trans-1,3-Dichloropropene	0.6	
79-00-5	1,1,2-Trichloroethane	0.6	
591-78-6	2-Hexanone	4	J
142-28-9	1,3-Dichloropropane	0.6	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MKRALCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MKRQ002AV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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	0.6	
124-48-1	Dibromochloromethane	0.6	
106-93-4	1,2-Dibromoethane	0.6	
108-90-7	Chlorobenzene	0.6	
630-20-6	1,1,1,2-Tetrachloroethane	0.6	
100-41-4	Ethylbenzene	0.6	
1330-20-7	Xylene (total)	2	
100-42-5	Styrene	0.6	
75-25-2	Bromoform	0.6	
98-82-8	Isopropylbenzene	0.6	
79-34-5	1,1,2,2-Tetrachloroethane	0.7	
96-18-4	1,2,3-Trichloropropane	0.7	
108-86-1	Bromobenzene	0.6	
103-65-1	n-Propylbenzene	0.6	
95-49-8	2-Chlorotoluene	0.6	
108-67-8	1,3,5-Trimethylbenzene	0.6	
106-43-4	4-Chlorotoluene	0.6	
98-06-6	tert-Butylbenzene	0.6	
95-63-6	1,2,4-Trimethylbenzene	0.6	
135-98-8	sec-Butylbenzene	0.6	
99-87-6	p-Isopropyltoluene	0.6	
541-73-1	1,3-Dichlorobenzene	0.6	
106-46-7	1,4-Dichlorobenzene	0.6	
104-51-8	n-Butylbenzene	0.7	
95-50-1	1,2-Dichlorobenzene	0.6	
96-12-8	1,2-Dibromo-3-Chloropropane	0.9	
120-82-1	1,2,4-Trichlorobenzene	0.6	
87-68-3	Hexachlorobutadiene	0.8	
91-20-3	Naphthalene	0.7	
87-61-6	1,2,3-Trichlorobenzene	0.7	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MKRBLCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MKRQ002BV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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	0.5	
74-87-3	Chloromethane	0.5	
75-01-4	Vinyl Chloride	0.5	
74-83-9	Bromomethane	0.6	
75-00-3	Chloroethane	0.6	
75-69-4	Trichlorofluoromethane	0.5	
67-64-1	Acetone	4	J
75-35-4	1,1-Dichloroethene	0.5	
156-60-5	trans-1,2-Dichloroethene	0.5	
75-15-0	Carbon Disulfide	0.5	J
75-09-2	Methylene Chloride	0.5	
75-34-3	1,1-Dichloroethane	0.6	
156-59-2	cis-1,2-Dichloroethene	0.6	
78-93-3	2-Butanone	2	J
590-20-7	2,2-Dichloropropane	0.5	
67-66-3	Chloroform	0.5	
74-97-5	Bromochloromethane	0.5	
71-55-6	1,1,1-Trichloroethane	0.6	
563-58-6	1,1-Dichloropropene	0.5	
56-23-5	Carbon Tetrachloride	0.5	
107-06-2	1,2-Dichloroethane	0.6	
71-43-2	Benzene	0.6	
79-01-6	Trichloroethene	0.6	
78-87-5	1,2-Dichloropropane	0.6	
75-27-4	Bromodichloromethane	0.6	
74-95-3	Dibromomethane	0.5	
108-10-1	4-Methyl-2-Pentanone	3	J
10061-01-5	cis-1,3-Dichloropropene	0.6	
108-88-3	Toluene	0.6	
10061-02-6	trans-1,3-Dichloropropene	0.6	
79-00-5	1,1,2-Trichloroethane	0.5	J
591-78-6	2-Hexanone	3	J
142-28-9	1,3-Dichloropropane	0.6	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MKRBLCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MKRQ002BV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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	0.5	
124-48-1	Dibromochloromethane	0.7	
106-93-4	1,2-Dibromoethane	0.6	
108-90-7	Chlorobenzene	0.6	
630-20-6	1,1,1,2-Tetrachloroethane	0.6	
100-41-4	Ethylbenzene	0.6	
1330-20-7	Xylene (total)	2	
100-42-5	Styrene	0.5	
75-25-2	Bromoform	0.8	
98-82-8	Isopropylbenzene	0.5	
79-34-5	1,1,2,2-Tetrachloroethane	0.6	
96-18-4	1,2,3-Trichloropropane	0.7	
108-86-1	Bromobenzene	0.6	
103-65-1	n-Propylbenzene	0.5	
95-49-8	2-Chlorotoluene	0.6	
108-67-8	1,3,5-Trimethylbenzene	0.6	
106-43-4	4-Chlorotoluene	0.5	
98-06-6	tert-Butylbenzene	0.6	
95-63-6	1,2,4-Trimethylbenzene	0.6	
135-98-8	sec-Butylbenzene	0.6	
99-87-6	p-Isopropyltoluene	0.6	
541-73-1	1,3-Dichlorobenzene	0.6	
106-46-7	1,4-Dichlorobenzene	0.6	
104-51-8	n-Butylbenzene	0.6	
95-50-1	1,2-Dichlorobenzene	0.6	
96-12-8	1,2-Dibromo-3-Chloropropane	0.8	
120-82-1	1,2,4-Trichlorobenzene	0.6	
87-68-3	Hexachlorobutadiene	0.7	
91-20-3	Naphthalene	0.8	
87-61-6	1,2,3-Trichlorobenzene	0.7	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MKRDLCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MKRB003DV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/07/96

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	0.5	J
74-87-3	Chloromethane	0.6	
75-01-4	Vinyl Chloride	0.5	J
74-83-9	Bromomethane	0.6	
75-00-3	Chloroethane	0.6	
75-69-4	Trichlorofluoromethane	0.5	J
67-64-1	Acetone	6	
75-35-4	1,1-Dichloroethene	0.4	J
156-60-5	trans-1,2-Dichloroethene	0.4	J
75-15-0	Carbon Disulfide	0.5	J
75-09-2	Methylene Chloride	0.5	J
1634-04-4	Methyl-t-Butyl Ether	0.5	J
75-34-3	1,1-Dichloroethane	0.5	
156-59-2	cis-1,2-Dichloroethene	0.4	J
78-93-3	2-Butanone	4	J
590-20-7	2,2-Dichloropropane	0.7	
67-66-3	Chloroform	0.5	J
74-97-5	Bromochloromethane	0.4	J
71-55-6	1,1,1-Trichloroethane	0.5	J
563-58-6	1,1-Dichloropropene	0.5	J
56-23-5	Carbon Tetrachloride	0.4	J
107-06-2	1,2-Dichloroethane	0.5	
71-43-2	Benzene	0.5	
79-01-6	Trichloroethene	0.5	J
78-87-5	1,2-Dichloropropane	0.5	J
75-27-4	Bromodichloromethane	0.5	J
74-95-3	Dibromomethane	0.5	
108-10-1	4-Methyl-2-Pentanone	5	
10061-01-5	cis-1,3-Dichloropropene	0.4	J
108-88-3	Toluene	0.4	J
10061-02-6	trans-1,3-Dichloropropene	0.5	J
79-00-5	1,1,2-Trichloroethane	0.5	J
591-78-6	2-Hexanone	5	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MKRDLCS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

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

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MKRB003DV.D

Level: (low/med) LOW Date Received: 06/27/00

% Moisture: not dec. _____ Data Analyzed: 10/07/96

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
142-28-9	1,3-Dichloropropane	0.5	J
127-18-4	Tetrachloroethene	0.4	J
123-91-1	1,4-Dioxane	38	
109-99-9	Tetrahydrofuran	52	
124-48-1	Dibromochloromethane	0.5	J
106-93-4	1,2-Dibromoethane	0.4	J
108-90-7	Chlorobenzene	0.5	J
630-20-6	1,1,1,2-Tetrachloroethane	0.4	J
100-41-4	Ethylbenzene	0.5	J
1330-20-7	Xylene (total)	1	
100-42-5	Styrene	0.4	J
75-25-2	Bromoform	0.4	J
98-82-8	Isopropylbenzene	0.5	J
79-34-5	1,1,2,2-Tetrachloroethane	0.5	J
96-18-4	1,2,3-Trichloropropane	0.5	J
108-86-1	Bromobenzene	0.4	J
103-65-1	n-Propylbenzene	0.4	J
95-49-8	2-Chlorotoluene	0.5	J
108-67-8	1,3,5-Trimethylbenzene	0.5	J
106-43-4	4-Chlorotoluene	0.4	J
98-06-6	tert-Butylbenzene	0.5	J
95-63-6	1,2,4-Trimethylbenzene	0.4	J
135-98-8	sec-Butylbenzene	0.5	J
99-87-6	p-Isopropyltoluene	0.5	J
541-73-1	1,3-Dichlorobenzene	0.5	J
106-46-7	1,4-Dichlorobenzene	0.5	J
104-51-8	n-Butylbenzene	0.5	J
95-50-1	1,2-Dichlorobenzene	0.5	J
96-12-8	1,2-Dibromo-3-Chloropropane	0.9	
120-82-1	1,2,4-Trichlorobenzene	0.5	J
87-68-3	Hexachlorobutadiene	0.5	
91-20-3	Naphthalene	0.5	J
87-61-6	1,2,3-Trichlorobenzene	0.4	J

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKM7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKM7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LHPB001BV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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
1634-04-4	Methyl-t-Butyl Ether	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

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKM7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKM7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LHPB001BV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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
142-28-9	1,3-Dichloropropane	1	U
127-18-4	Tetrachloroethene	1	U
123-91-1	1,4-Dioxane	50	U
109-99-9	Tetrahydrofuran	50	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

VBLKM7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKM7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LHPB001BV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/01/96

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

VBLKN2

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKN2

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LHPB001CV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/02/96

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKN2

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKN2

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LHPB001CV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/02/96

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	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKN2

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKN2

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LHPB001CV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/02/96

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
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKN2

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKN2

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: LHPB001CV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/02/96

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.

VBLKN7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKN7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MNKRB001AV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
1634-04-4	Methyl-t-Butyl Ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKN7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKN7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MNKRB001AV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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
142-28-9	1,3-Dichloropropane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
123-91-1	1,4-Dioxane	0.5	U
109-99-9	Tetrahydrofuran	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKN7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKN7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MNKRB001AV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKN7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKN7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MNKRB001AV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/03/96

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.

VBLKN9

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKN9

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MKRB001BV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
1634-04-4	Methyl-t-Butyl Ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U

1A-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKN9

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKN9

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MKRB001BV.D

Level: (low/med) LOW Date Received: 06/27/00

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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
142-28-9	1,3-Dichloropropane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
123-91-1	1,4-Dioxane	0.5	U
109-99-9	Tetrahydrofuran	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKN9

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKN9

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MKRB001BV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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.

VBLKP7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKP7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MKRB002DV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/07/96

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	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-15-0	Carbon Disulfide	0.5	U
75-09-2	Methylene Chloride	0.5	U
1634-04-4	Methyl-t-Butyl Ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
78-93-3	2-Butanone	5	U
590-20-7	2,2-Dichloropropane	0.5	U
67-66-3	Chloroform	0.5	U
74-97-5	Bromochloromethane	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
74-95-3	Dibromomethane	0.5	U
108-10-1	4-Methyl-2-Pentanone	5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
591-78-6	2-Hexanone	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKP7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: VBLKP7

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: MKRB002DV.D

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

% Moisture: not dec. _____ Data Analyzed: 10/07/96

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
142-28-9	1,3-Dichloropropane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
123-91-1	1,4-Dioxane	0.5	U
109-99-9	Tetrahydrofuran	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
1330-20-7	Xylene (total)	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
99-87-6	p-Isopropyltoluene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL032DLMS

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314880D1MS

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314880MSV.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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	10	
106-93-4	1,2-Dibromoethane	10	
108-90-7	Chlorobenzene	10	
630-20-6	1,1,1,2-Tetrachloroethane	10	
100-41-4	Ethylbenzene	10	
1330-20-7	Xylene (total)	32	
100-42-5	Styrene	10	
75-25-2	Bromoform	10	
98-82-8	Isopropylbenzene	10	
79-34-5	1,1,2,2-Tetrachloroethane	11	
96-18-4	1,2,3-Trichloropropane	11	
108-86-1	Bromobenzene	10	
103-65-1	n-Propylbenzene	10	
95-49-8	2-Chlorotoluene	11	
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	11	
135-98-8	sec-Butylbenzene	10	
99-87-6	p-Isopropyltoluene	10	
541-73-1	1,3-Dichlorobenzene	11	
106-46-7	1,4-Dichlorobenzene	11	
104-51-8	n-Butylbenzene	10	
95-50-1	1,2-Dichlorobenzene	11	
96-12-8	1,2-Dibromo-3-Chloropropane	11	
120-82-1	1,2,4-Trichlorobenzene	12	
87-68-3	Hexachlorobutadiene	11	
91-20-3	Naphthalene	12	
87-61-6	1,2,3-Trichlorobenzene	12	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL032DLMSD

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314880D1MD

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314880MDV.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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	9	
74-87-3	Chloromethane	9	
75-01-4	Vinyl Chloride	9	
74-83-9	Bromomethane	10	
75-00-3	Chloroethane	10	
75-69-4	Trichlorofluoromethane	9	
67-64-1	Acetone	24	
75-35-4	1,1-Dichloroethene	9	
156-60-5	trans-1,2-Dichloroethene	9	
75-15-0	Carbon Disulfide	7	
75-09-2	Methylene Chloride	9	
75-34-3	1,1-Dichloroethane	10	
156-59-2	cis-1,2-Dichloroethene	27	
78-93-3	2-Butanone	26	
590-20-7	2,2-Dichloropropane	8	
67-66-3	Chloroform	9	
74-97-5	Bromochloromethane	10	
71-55-6	1,1,1-Trichloroethane	10	
563-58-6	1,1-Dichloropropene	9	
56-23-5	Carbon Tetrachloride	10	
107-06-2	1,2-Dichloroethane	10	
71-43-2	Benzene	9	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	10	
75-27-4	Bromodichloromethane	10	
74-95-3	Dibromomethane	10	
108-10-1	4-Methyl-2-Pentanone	29	
10061-01-5	cis-1,3-Dichloropropene	10	
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	30	
142-28-9	1,3-Dichloropropane	11	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AL032DLMSD

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix: (soil/water) WATER Lab Sample ID: 314880D1MD

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M314880MDV.D

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Data Analyzed: 10/04/96

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	10	
124-48-1	Dibromochloromethane	11	
106-93-4	1,2-Dibromoethane	11	
108-90-7	Chlorobenzene	10	
630-20-6	1,1,1,2-Tetrachloroethane	10	
100-41-4	Ethylbenzene	10	
1330-20-7	Xylene (total)	33	
100-42-5	Styrene	10	
75-25-2	Bromoform	11	
98-82-8	Isopropylbenzene	10	
79-34-5	1,1,2,2-Tetrachloroethane	12	
96-18-4	1,2,3-Trichloropropane	11	
108-86-1	Bromobenzene	11	
103-65-1	n-Propylbenzene	10	
95-49-8	2-Chlorotoluene	11	
108-67-8	1,3,5-Trimethylbenzene	11	
106-43-4	4-Chlorotoluene	10	
98-06-6	tert-Butylbenzene	11	
95-63-6	1,2,4-Trimethylbenzene	11	
135-98-8	sec-Butylbenzene	11	
99-87-6	p-Isopropyltoluene	10	
541-73-1	1,3-Dichlorobenzene	11	
106-46-7	1,4-Dichlorobenzene	11	
104-51-8	n-Butylbenzene	10	
95-50-1	1,2-Dichlorobenzene	11	
96-12-8	1,2-Dibromo-3-Chloropropane	12	
120-82-1	1,2,4-Trichlorobenzene	12	
87-68-3	Hexachlorobutadiene	11	
91-20-3	Naphthalene	12	
87-61-6	1,2,3-Trichlorobenzene	12	

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (BFB) #	SMC3 (DCB) #	OTHER	TOT OUT
01	LHPBLCS	101	97	92		0
02	VBLKM7	95	92	94		0
03	AL022	95	88	91		0
04	AL023	98	98	95		0
05	AL024	102	96	94		0
06	AL025	100	92	93		0
07	AL026	99	95	94		0
08	AL027	106	94	95		0
09	AL028	99	97	95		0
10	LHPCLCS	89	85*	87		1
11	VBLKN2	94	93	91		0
12	AL029	92	93	92		0
13	AL021	91	90	92		0
14	MKRALCS	112	102	100		0
15	VBLKN7	107	103	101		0
16	AL032	104	94	92		0
17	AL031	104	94	93		0
18	AL034	106	94	91		0
19	AL036	102	95	92		0
20	AL037	106	93	92		0
21	AL038	107	90	87		0
22	MKRBLCS	118	110	105		0
23	VBLKN9	103	101	100		0
24	AL039	116	100	99		0
25	AL030	110	96	95		0
26	AL033	114	98	99		0
27	AL035	114	103	100		0
28	AL032DLMS	108	102	107		0
29	AL032DLMSD	106	105	103		0
30	VBLKP7	113	96	95		0

	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

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (BFB) #	SMC3 (DCB) #	OTHER	TOT OUT
01	MKRDLCS	114	97	97		0
02	AL032DL	128	95	93		0
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
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14						
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16						
17						
18						
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24						
25						
26						
27						
28						
29						
30						

	QC LIMITS
SMC1 (DCE) = 1,2-Dichloroethane-d4	(83-143)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCB) = 1,2-Dichlorobenzene-d4	(80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

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.: 61529

Matrix Spike - EPA Sample No.: AL032DL

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Vinyl Chloride	10	0	9	91	80-120
Carbon Tetrachloride	10	0	10	96	80-120
1,2-Dichloroethane	10	0	10	100	80-120
Benzene	10	0	9	93	80-120
Trichloroethene	10	7	10	34*	80-120
1,2-Dichloropropane	10	0	10	100	80-120
cis-1,3-Dichloropropene	10	0	10	97	80-120
1,1,2-Trichloroethane	10	0	10	100	80-120
2-Hexanone	25	0	26	104	80-120
Tetrachloroethene	10	0	9	94	80-120
1,2-Dibromoethane	10	0	10	100	80-120
Bromoform	10	0	10	95	80-120
1,4-Dichlorobenzene	10	0	11	110	80-120

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Vinyl Chloride	10	9	92	1	13	80-120
Carbon Tetrachloride	10	10	98	2	13	80-120
1,2-Dichloroethane	10	10	100	0	13	80-120
Benzene	10	9	94	1	13	80-120
Trichloroethene	10	10	34*	0	13	80-120
1,2-Dichloropropane	10	10	100	0	13	80-120
cis-1,3-Dichloropropene	10	10	98	1	13	80-120
1,1,2-Trichloroethane	10	10	100	0	13	80-120
2-Hexanone	25	30	120	14*	13	80-120
Tetrachloroethene	10	10	96	2	13	80-120
1,2-Dibromoethane	10	11	110	10	13	80-120
Bromoform	10	11	110	15*	13	80-120
1,4-Dichlorobenzene	10	11	110	0	13	80-120

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

RPD: 2 out of 13 outside limits
Spike Recovery: 2 out of 26 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - Sample No.: LHPBLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
o-Xylene	0.5		0.4	80	60-140
m- & p-Xylene	1		0.7	70	60-140
Dichlorodifluoromethane	0.5		0.3	60	60-140
Chloromethane	0.5		0.4	80	60-140
Vinyl Chloride	0.5		0.4	80	60-140
Bromomethane	0.5		0.3	60	60-140
Chloroethane	0.5		0.4	80	60-140
Trichlorofluoromethane	0.5		0.3	60	60-140
Acetone	2		2	100	60-140
1,1-Dichloroethene	0.5		0.3	60	60-140
trans-1,2-Dichloroethen	0.5		0.4	80	60-140
Carbon Disulfide	0.5		0.3	60	60-140
Methylene Chloride	0.5		0.4	80	60-140
1,1-Dichloroethane	0.5		0.4	80	60-140
cis-1,2-Dichloroethene	0.5		0.4	80	60-140
2-Butanone	2		1	50*	60-140
2,2-Dichloropropane	0.5		0.4	80	60-140
Chloroform	0.5		0.4	80	60-140
Bromochloromethane	0.5		0.3	60	60-140
1,1,1-Trichloroethane	0.5		0.4	80	60-140
1,1-Dichloropropene	0.5		0.3	60	60-140
Carbon Tetrachloride	0.5		0.3	60	60-140
1,2-Dichloroethane	0.5		0.4	80	60-140
Benzene	0.5		0.4	80	60-140
Trichloroethene	0.5		0.3	60	60-140
1,2-Dichloropropane	0.5		0.4	80	60-140
Bromodichloromethane	0.5		0.4	80	60-140
Dibromomethane	0.5		0.3	60	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - Sample No.: LHPBLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-Pentanone	2		2	100	60-140
cis-1,3-Dichloropropene	0.5		0.4	80	60-140
Toluene	0.5		0.3	60	60-140
trans-1,3-Dichloroprope	0.5		0.4	80	60-140
1,1,2-Trichloroethane	0.5		0.4	80	60-140
2-Hexanone	2		2	100	60-140
1,3-Dichloropropane	0.5		0.4	80	60-140
Tetrachloroethene	0.5		0.3	60	60-140
Dibromochloromethane	0.5		0.4	80	60-140
1,2-Dibromoethane	0.5		0.4	80	60-140
Chlorobenzene	0.5		0.4	80	60-140
1,1,1,2-Tetrachloroetha	0.5		0.3	60	60-140
Ethylbenzene	0.5		0.4	80	60-140
Xylene (total)	2		1	50*	60-140
Styrene	0.5		0.4	80	60-140
Bromoform	0.5		0.4	80	60-140
Isopropylbenzene	0.5		0.4	80	60-140
1,1,2,2-Tetrachloroetha	0.5		0.4	80	60-140
1,2,3-Trichloropropane	0.5		0.4	80	60-140
Bromobenzene	0.5		0.4	80	60-140
n-Propylbenzene	0.5		0.3	60	60-140
2-Chlorotoluene	0.5		0.3	60	60-140
1,3,5-Trimethylbenzene	0.5		0.4	80	60-140
4-Chlorotoluene	0.5		0.4	80	60-140
tert-Butylbenzene	0.5		0.3	60	60-140
1,2,4-Trimethylbenzene	0.5		0.4	80	60-140
sec-Butylbenzene	0.5		0.4	80	60-140
p-Isopropyltoluene	0.5		0.4	80	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - Sample No.: LHPBLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	0.5		0.4	80	60-140
1,4-Dichlorobenzene	0.5		0.4	80	60-140
n-Butylbenzene	0.5		0.4	80	60-140
1,2-Dichlorobenzene	0.5		0.4	80	60-140
1,2-Dibromo-3-Chloropro	0.5		0.5	100	60-140
1,2,4-Trichlorobenzene	0.5		0.4	80	60-140
Hexachlorobutadiene	0.5		0.4	80	60-140
Naphthalene	0.5		0.4	80	60-140
1,2,3-Trichlorobenzene	0.5		0.4	80	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 2 out of 65 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - HARLA3 Sample No.: LHPCLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
o-Xylene	0.5		0.4	80	60-140
m- & p-Xylene	1		0.8	80	60-140
Dichlorodifluoromethane	0.5		0.4	80	60-140
Chloromethane	0.5		0.4	80	60-140
Vinyl Chloride	0.5		0.4	80	60-140
Bromomethane	0.5		0.6	120	60-140
Chloroethane	0.5		0.4	80	60-140
Trichlorofluoromethane	0.5		0.4	80	60-140
Acetone	2		4	200*	60-140
1,1-Dichloroethene	0.5		0.4	80	60-140
trans-1,2-Dichloroethen	0.5		0.4	80	60-140
Carbon Disulfide	0.5		0.4	80	60-140
Methylene Chloride	0.5		0.4	80	60-140
1,1-Dichloroethane	0.5		0.4	80	60-140
cis-1,2-Dichloroethene	0.5		0.4	80	60-140
2-Butanone	2		3	150*	60-140
2,2-Dichloropropane	0.5		0.4	80	60-140
Chloroform	0.5		0.4	80	60-140
Bromochloromethane	0.5		0.4	80	60-140
1,1,1-Trichloroethane	0.5		0.4	80	60-140
1,1-Dichloropropene	0.5		0.4	80	60-140
Carbon Tetrachloride	0.5		0.4	80	60-140
1,2-Dichloroethane	0.5		0.4	80	60-140
Benzene	0.5		0.4	80	60-140
Trichloroethene	0.5		0.4	80	60-140
1,2-Dichloropropane	0.5		0.4	80	60-140
Bromodichloromethane	0.5		0.4	80	60-140
Dibromomethane	0.5		0.4	80	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - HARLA3 Sample No.: LHPCLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-Pentanone	2		4	200*	60-140
cis-1,3-Dichloropropene	0.5		0.4	80	60-140
Toluene	0.5		0.4	80	60-140
trans-1,3-Dichloroprope	0.5		0.4	80	60-140
1,1,2-Trichloroethane	0.5		0.4	80	60-140
2-Hexanone	2		4	200*	60-140
1,3-Dichloropropane	0.5		0.4	80	60-140
Tetrachloroethene	0.5		0.4	80	60-140
Dibromochloromethane	0.5		0.4	80	60-140
1,2-Dibromoethane	0.5		0.4	80	60-140
Chlorobenzene	0.5		0.4	80	60-140
1,1,1,2-Tetrachloroetha	0.5		0.4	80	60-140
Ethylbenzene	0.5		0.4	80	60-140
Xylene (total)	2		1	50*	60-140
Styrene	0.5		0.4	80	60-140
Bromoform	0.5		0.4	80	60-140
Isopropylbenzene	0.5		0.4	80	60-140
1,1,2,2-Tetrachloroetha	0.5		0.4	80	60-140
1,2,3-Trichloropropane	0.5		0.4	80	60-140
Bromobenzene	0.5		0.4	80	60-140
n-Propylbenzene	0.5		0.3	60	60-140
2-Chlorotoluene	0.5		0.3	60	60-140
1,3,5-Trimethylbenzene	0.5		0.4	80	60-140
4-Chlorotoluene	0.5		0.3	60	60-140
tert-Butylbenzene	0.5		0.4	80	60-140
1,2,4-Trimethylbenzene	0.5		0.4	80	60-140
sec-Butylbenzene	0.5		0.4	80	60-140
p-Isopropyltoluene	0.5		0.4	80	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - HARLA3 Sample No.: LHPCLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	0.5		0.4	80	60-140
1,4-Dichlorobenzene	0.5		0.4	80	60-140
n-Butylbenzene	0.5		0.4	80	60-140
1,2-Dichlorobenzene	0.5		0.4	80	60-140
1,2-Dibromo-3-Chloropro	0.5		0.5	100	60-140
1,2,4-Trichlorobenzene	0.5		0.4	80	60-140
Hexachlorobutadiene	0.5		0.4	80	60-140
Naphthalene	0.5		0.4	80	60-140
1,2,3-Trichlorobenzene	0.5		0.4	80	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 5 out of 65 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - Sample No.: MKRALCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
o-Xylene	0.50		0.60	120	60-140
m- & p-Xylene	1.0		1.2	120	60-140
Dichlorodifluoromethane	0.50		0.57	114	60-140
Chloromethane	0.50		0.62	124	60-140
Vinyl Chloride	0.50		0.58	116	60-140
Bromomethane	0.50		0.55	110	60-140
Chloroethane	0.50		0.64	128	60-140
Trichlorofluoromethane	0.50		0.56	112	60-140
Acetone	2.5		4.4	176*	60-140
1,1-Dichloroethene	0.50		0.55	110	60-140
trans-1,2-Dichloroethen	0.50		0.57	114	60-140
Carbon Disulfide	0.50		0.53	106	60-140
Methylene Chloride	0.50		0.64	128	60-140
1,1-Dichloroethane	0.50		0.66	132	60-140
cis-1,2-Dichloroethene	0.50		0.59	118	60-140
2-Butanone	2.5		3.9	156*	60-140
2,2-Dichloropropane	0.50		0.89	178*	60-140
Chloroform	0.50		0.64	128	60-140
Bromochloromethane	0.50		0.54	108	60-140
1,1,1-Trichloroethane	0.50		0.62	124	60-140
1,1-Dichloropropene	0.50		0.56	112	60-140
Carbon Tetrachloride	0.50		0.55	110	60-140
1,2-Dichloroethane	0.50		0.60	120	60-140
Benzene	0.50		0.64	128	60-140
Trichloroethene	0.50		0.62	124	60-140
1,2-Dichloropropane	0.50		0.66	132	60-140
Bromodichloromethane	0.50		0.61	122	60-140
Dibromomethane	0.50		0.60	120	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - Sample No.: MKRALCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-Pentanone	2.5		4.0	160*	60-140
cis-1,3-Dichloropropene	0.50		0.64	128	60-140
Toluene	0.50		0.64	128	60-140
trans-1,3-Dichloroprope	0.50		0.56	112	60-140
1,1,2-Trichloroethane	0.50		0.64	128	60-140
2-Hexanone	2.5		3.8	152*	60-140
1,3-Dichloropropane	0.50		0.64	128	60-140
Tetrachloroethene	0.50		0.57	114	60-140
Dibromochloromethane	0.50		0.60	120	60-140
1,2-Dibromoethane	0.50		0.62	124	60-140
Chlorobenzene	0.50		0.64	128	60-140
1,1,1,2-Tetrachloroetha	0.50		0.62	124	60-140
Ethylbenzene	0.50		0.63	126	60-140
Xylene (total)	1.5		1.8	120	60-140
Styrene	0.50		0.58	116	60-140
Bromoform	0.50		0.55	110	60-140
Isopropylbenzene	0.50		0.60	120	60-140
1,1,2,2-Tetrachloroetha	0.50		0.66	132	60-140
1,2,3-Trichloropropane	0.50		0.72	144*	60-140
Bromobenzene	0.50		0.57	114	60-140
n-Propylbenzene	0.50		0.61	122	60-140
2-Chlorotoluene	0.50		0.59	118	60-140
1,3,5-Trimethylbenzene	0.50		0.60	120	60-140
4-Chlorotoluene	0.50		0.56	112	60-140
tert-Butylbenzene	0.50		0.62	124	60-140
1,2,4-Trimethylbenzene	0.50		0.63	126	60-140
sec-Butylbenzene	0.50		0.63	126	60-140
p-Isopropyltoluene	0.50		0.58	116	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - Sample No.: MKRALCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	0.50		0.62	124	60-140
1,4-Dichlorobenzene	0.50		0.63	126	60-140
n-Butylbenzene	0.50		0.66	132	60-140
1,2-Dichlorobenzene	0.50		0.60	120	60-140
1,2-Dibromo-3-Chloropro	0.50		0.94	188*	60-140
1,2,4-Trichlorobenzene	0.50		0.61	122	60-140
Hexachlorobutadiene	0.50		0.81	162*	60-140
Naphthalene	0.50		0.69	138	60-140
1,2,3-Trichlorobenzene	0.50		0.66	132	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 8 out of 65 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - Sample No.: MKRBLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
o-Xylene	0.50		0.52	104	60-140
m- & p-Xylene	1.0		1.1	110	60-140
Dichlorodifluoromethane	0.50		0.51	102	60-140
Chloromethane	0.50		0.52	104	60-140
Vinyl Chloride	0.50		0.52	104	60-140
Bromomethane	0.50		0.57	114	60-140
Chloroethane	0.50		0.57	114	60-140
Trichlorofluoromethane	0.50		0.53	106	60-140
Acetone	2.5		4.0	160*	60-140
1,1-Dichloroethene	0.50		0.52	104	60-140
trans-1,2-Dichloroethen	0.50		0.53	106	60-140
Carbon Disulfide	0.50		0.48	96	60-140
Methylene Chloride	0.50		0.52	104	60-140
1,1-Dichloroethane	0.50		0.58	116	60-140
cis-1,2-Dichloroethene	0.50		0.57	114	60-140
2-Butanone	2.5		1.9	76	60-140
2,2-Dichloropropane	0.50		0.54	108	60-140
Chloroform	0.50		0.52	104	60-140
Bromochloromethane	0.50		0.50	100	60-140
1,1,1-Trichloroethane	0.50		0.58	116	60-140
1,1-Dichloropropene	0.50		0.50	100	60-140
Carbon Tetrachloride	0.50		0.52	104	60-140
1,2-Dichloroethane	0.50		0.55	110	60-140
Benzene	0.50		0.61	122	60-140
Trichloroethene	0.50		0.56	112	60-140
1,2-Dichloropropane	0.50		0.62	124	60-140
Bromodichloromethane	0.50		0.58	116	60-140
Dibromomethane	0.50		0.54	108	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - Sample No.: MKRBLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-Pentanone	2.5		2.9	116	60-140
cis-1,3-Dichloropropene	0.50		0.57	114	60-140
Toluene	0.50		0.57	114	60-140
trans-1,3-Dichloroprope	0.50		0.60	120	60-140
1,1,2-Trichloroethane	0.50		0.49	98	60-140
2-Hexanone	2.5		3.0	120	60-140
1,3-Dichloropropane	0.50		0.62	124	60-140
Tetrachloroethene	0.50		0.51	102	60-140
Dibromochloromethane	0.50		0.65	130	60-140
1,2-Dibromoethane	0.50		0.59	118	60-140
Chlorobenzene	0.50		0.58	116	60-140
1,1,1,2-Tetrachloroetha	0.50		0.58	116	60-140
Ethylbenzene	0.50		0.56	112	60-140
Xylene (total)	1.5		1.7	113	60-140
Styrene	0.50		0.52	104	60-140
Bromoform	0.50		0.77	154*	60-140
Isopropylbenzene	0.50		0.54	108	60-140
1,1,2,2-Tetrachloroetha	0.50		0.62	124	60-140
1,2,3-Trichloropropane	0.50		0.69	138	60-140
Bromobenzene	0.50		0.62	124	60-140
n-Propylbenzene	0.50		0.52	104	60-140
2-Chlorotoluene	0.50		0.56	112	60-140
1,3,5-Trimethylbenzene	0.50		0.57	114	60-140
4-Chlorotoluene	0.50		0.53	106	60-140
tert-Butylbenzene	0.50		0.58	116	60-140
1,2,4-Trimethylbenzene	0.50		0.58	116	60-140
sec-Butylbenzene	0.50		0.59	118	60-140
p-Isopropyltoluene	0.50		0.55	110	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - Sample No.: MKRBLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	0.50		0.56	112	60-140
1,4-Dichlorobenzene	0.50		0.56	112	60-140
n-Butylbenzene	0.50		0.62	124	60-140
1,2-Dichlorobenzene	0.50		0.57	114	60-140
1,2-Dibromo-3-Chloropro	0.50		0.85	170*	60-140
1,2,4-Trichlorobenzene	0.50		0.64	128	60-140
Hexachlorobutadiene	0.50		0.71	142*	60-140
Naphthalene	0.50		0.75	150*	60-140
1,2,3-Trichlorobenzene	0.50		0.70	140	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 5 out of 65 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - INCHVT Sample No.: MKRDLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-Pentanone	2.5		5.2	208*	60-140
cis-1,3-Dichloropropene	0.50		0.44	88	60-140
Toluene	0.50		0.44	88	60-140
trans-1,3-Dichloroprope	0.50		0.45	90	60-140
1,1,2-Trichloroethane	0.50		0.45	90	60-140
2-Hexanone	2.5		5.2	208*	60-140
1,3-Dichloropropane	0.50		0.47	94	60-140
Tetrachloroethene	0.50		0.42	84	60-140
Dibromochloromethane	0.50		0.46	92	60-140
1,2-Dibromoethane	0.50		0.42	84	60-140
Chlorobenzene	0.50		0.45	90	60-140
1,1,1,2-Tetrachloroetha	0.50		0.42	84	60-140
Ethylbenzene	0.50		0.47	94	60-140
Xylene (total)	1.5		1.4	93	60-140
Styrene	0.50		0.42	84	60-140
Bromoform	0.50		0.38	76	60-140
Isopropylbenzene	0.50		0.46	92	60-140
1,1,2,2-Tetrachloroetha	0.50		0.46	92	60-140
1,2,3-Trichloropropane	0.50		0.47	94	60-140
Bromobenzene	0.50		0.44	88	60-140
n-Propylbenzene	0.50		0.42	84	60-140
2-Chlorotoluene	0.50		0.45	90	60-140
1,3,5-Trimethylbenzene	0.50		0.45	90	60-140
4-Chlorotoluene	0.50		0.41	82	60-140
tert-Butylbenzene	0.50		0.46	92	60-140
1,2,4-Trimethylbenzene	0.50		0.44	88	60-140
sec-Butylbenzene	0.50		0.45	90	60-140
p-Isopropyltoluene	0.50		0.46	92	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - INCHVT Sample No.: MKRDLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,3-Dichlorobenzene	0.50		0.46	92	60-140
1,4-Dichlorobenzene	0.50		0.45	90	60-140
n-Butylbenzene	0.50		0.48	96	60-140
1,2-Dichlorobenzene	0.50		0.46	92	60-140
1,2-Dibromo-3-Chloropro	0.50		0.91	182*	60-140
1,2,4-Trichlorobenzene	0.50		0.46	92	60-140
Hexachlorobutadiene	0.50		0.53	106	60-140
Naphthalene	0.50		0.46	92	60-140
1,2,3-Trichlorobenzene	0.50		0.43	86	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 5 out of 65 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Matrix Spike - INCHVT Sample No.: MKRDLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
m- & p-Xylene	1.0		0.89	89	60-140
o-Xylene	0.50		0.45	90	60-140
Dichlorodifluoromethane	0.50		0.49	98	60-140
Chloromethane	0.50		0.55	110	60-140
Vinyl Chloride	0.50		0.47	94	60-140
Bromomethane	0.50		0.58	116	60-140
Chloroethane	0.50		0.59	118	60-140
Trichlorofluoromethane	0.50		0.45	90	60-140
Acetone	2.5		6.3	252*	60-140
1,1-Dichloroethene	0.50		0.42	84	60-140
trans-1,2-Dichloroethen	0.50		0.44	88	60-140
Carbon Disulfide	0.50		0.46	92	60-140
Methylene Chloride	0.50		0.49	98	60-140
1,1-Dichloroethane	0.50		0.50	100	60-140
cis-1,2-Dichloroethene	0.50		0.43	86	60-140
2-Butanone	2.5		4.4	176*	60-140
2,2-Dichloropropane	0.50		0.70	140	60-140
Chloroform	0.50		0.49	98	60-140
Bromochloromethane	0.50		0.37	74	60-140
1,1,1-Trichloroethane	0.50		0.45	90	60-140
1,1-Dichloropropene	0.50		0.48	96	60-140
Carbon Tetrachloride	0.50		0.42	84	60-140
1,2-Dichloroethane	0.50		0.52	104	60-140
Benzene	0.50		0.51	102	60-140
Trichloroethene	0.50		0.49	98	60-140
1,2-Dichloropropane	0.50		0.48	96	60-140
Bromodichloromethane	0.50		0.46	92	60-140
Dibromomethane	0.50		0.50	100	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKM7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Lab File ID: LHPB001BV.D Lab Sample ID: VBLKM7

Date Analyzed: 10/01/96 Time Analyzed: 0714

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

Instrument ID: L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AL022	314460	L314460V.D	1311
02	AL023	314461	L314461V.D	1346
03	AL024	314462	L314462V.D	1419
04	AL025	314463	L314463V.D	1452
05	AL026	314464	L314464V.D	1526
06	AL027	314465	L314465V.D	1559
07	AL028	314466	L314466V.D	1632
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKN2

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Lab File ID: LHPB001CV.D Lab Sample ID: VBLKN2

Date Analyzed: 10/02/96 Time Analyzed: 0349

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

Instrument ID: L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AL029	314467	L314467I2V.D	0924
02	AL021	314468	L314468I2V.D	1000
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04				
05				
06				
07				
08				
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKN7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Lab File ID: MNKRB001AV.D Lab Sample ID: VBLKN7

Date Analyzed: 10/03/96 Time Analyzed: 0626

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	AL032	314880	M34880V.D	1216
02	AL031	314881	M314881V.D	1250
03	AL034	314884	M314884V.D	1403
04	AL036	314886	M314886V.D	1430
05	AL037	314887	M314887V.D	1503
06	AL038	314888	M314888V.D	1535
07				
08				
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKN9

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Lab File ID: MKRB001BV.D Lab Sample ID: VBLKN9

Date Analyzed: 10/04/96 Time Analyzed: 0303

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	AL039	314889	M314889V.D	0849
02	AL030	314882	M314882I2V.D	0935
03	AL033	314883	M314883DV.D	1001
04	AL035	314885	M314885DV.D	1034
05	AL032DLMS	314880D1MS	M314880MSV.D	1139
06	AL032DLMSD	314880D1MD	M314880MDV.D	1211
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKP7

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Lab File ID: MKRB002DV.D Lab Sample ID: VBLKP7

Date Analyzed: 10/07/96 Time Analyzed: 1842

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	AL032DL	314880D1	M314880D5V.D	0152
02				
03				
04				
05				
06				
07				
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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.: 61529

Lab File ID: LHK010PV.D BFB Injection Date: 09/30/96

Instrument ID: L BFB Injection Time: 1004

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	19.1
75	30.0 - 80.0% of mass 95	42.1
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	72.5
175	5.0 - 9.0% of mass 174	5.0 (6.9)1
176	95.0 - 101.0% of mass 174	69.6 (96.0)1
177	5.0 - 9.0% of mass 176	4.8 (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	LHK010KHV.D	09/30/96	1117
02	VSTD005	VSTD005	LHP005HV.D	09/30/96	1246
03	VSTD020	VSTD020	LHP020HV.D	09/30/96	1320
04	VSTD030	VSTD030	LHP030HV.D	09/30/96	1353
05	VSTD002	VSTD002	LHP002H2V.D	09/30/96	1519
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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.: 61529

Lab File ID: LHP004PV.D BFB Injection Date: 10/01/96

Instrument ID: L BFB Injection Time: 0504

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	22.3
75	30.0 - 80.0% of mass 95	46.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	61.3
175	5.0 - 9.0% of mass 174	4.5 (7.4)1
176	95.0 - 101.0% of mass 174	59.8 (97.7)1
177	5.0 - 9.0% of mass 176	4.1 (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	LHP010BHV.D	10/01/96	0522
02	LHPBLCS	LHPBLCS	LHPQ002BV.D	10/01/96	0642
03	VBLKM7	VBLKM7	LHPB001BV.D	10/01/96	0714
04	AL022	314460	L314460V.D	10/01/96	1311
05	AL023	314461	L314461V.D	10/01/96	1346
06	AL024	314462	L314462V.D	10/01/96	1419
07	AL025	314463	L314463V.D	10/01/96	1452
08	AL026	314464	L314464V.D	10/01/96	1526
09	AL027	314465	L314465V.D	10/01/96	1559
10	AL028	314466	L314466V.D	10/01/96	1632
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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.: 61529

Lab File ID: LHP005PV.D BFB Injection Date: 10/02/96

Instrument ID: L BFB Injection Time: 0123

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	24.0
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	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	58.6
175	5.0 - 9.0% of mass 174	4.5 (7.6)1
176	95.0 - 101.0% of mass 174	56.4 (96.2)1
177	5.0 - 9.0% of mass 176	4.0 (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	LHP010CHV.D	10/02/96	0203
02	LHPCLCS	LHPCLCS	LHPQ002CV.D	10/02/96	0316
03	VBLKN2	VBLKN2	LHPB001CV.D	10/02/96	0349
04	AL029	314467	L314467I2V.D	10/02/96	0924
05	AL021	314468	L314468I2V.D	10/02/96	1000
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Lab File ID: MKR001PV.D BFB Injection Date: 10/02/96

Instrument ID: M BFB Injection Time: 1941

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	48.6
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	64.2
175	5.0 - 9.0% of mass 174	4.2 (6.5)1
176	95.0 - 101.0% of mass 174	63.1 (98.3)1
177	5.0 - 9.0% of mass 176	4.3 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD020	VSTD020	MKR020HV.D	10/02/96	2340
02	VSTD010	VSTD010	MKR010HV.D	10/03/96	0013
03	VSTD005	VSTD005	MKR005HV.D	10/03/96	0047
04	VSTD002	VSTD002	MKR002H2V.D	10/03/96	0214
05	VSTD030	VSTD030	MKR030H2V.D	10/03/96	0259
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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKN2

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Lab File ID: LHPB001CV.D Lab Sample ID: VBLKN2

Date Analyzed: 10/02/96 Time Analyzed: 0349

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

Instrument ID: L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	AL029	314467	L314467I2V.D	0924
02	AL021	314468	L314468I2V.D	1000
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COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Lab File ID: MKR002PV.D BFB Injection Date: 10/03/96

Instrument ID: M BFB Injection Time: 0403

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	19.3
75	30.0 - 80.0% of mass 95	48.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	71.5
175	5.0 - 9.0% of mass 174	5.3 (7.4)1
176	95.0 - 101.0% of mass 174	69.3 (97.0)1
177	5.0 - 9.0% of mass 176	4.6 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	VSTD010	MKR010AHV.D	10/03/96	0419
02	MKRALCS	MKRALCS	MKRQ002AV.D	10/03/96	0553
03	VBLKN7	VBLKN7	MNKRB001AV.D	10/03/96	0626
04	AL032	314880	M34880V.D	10/03/96	1216
05	AL031	314881	M314881V.D	10/03/96	1250
06	AL034	314884	M314884V.D	10/03/96	1403
07	AL036	314886	M314886V.D	10/03/96	1430
08	AL037	314887	M314887V.D	10/03/96	1503
09	AL038	314888	M314888V.D	10/03/96	1535
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Lab File ID: MKR004PV.D BFB Injection Date: 10/04/96

Instrument ID: M BFB Injection Time: 0042

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	18.2
75	30.0 - 80.0% of mass 95	45.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0 of mass 95	77.2
175	5.0 - 9.0% of mass 174	5.4 (6.9)1
176	95.0 - 101.0% of mass 174	74.2 (96.0)1
177	5.0 - 9.0% of mass 176	5.1 (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	MKR010BHV.D	10/04/96	0121
02	MKRBLCS	MKRBLCS	MKRQ002BV.D	10/04/96	0230
03	VBLKN9	VBLKN9	MKRB001BV.D	10/04/96	0303
04	AL039	314889	M314889V.D	10/04/96	0849
05	AL030	314882	M314882I2V.D	10/04/96	0935
06	AL033	314883	M314883DV.D	10/04/96	1001
07	AL035	314885	M314885DV.D	10/04/96	1034
08	AL032DLMS	314880D1MS	M314880MSV.D	10/04/96	1139
09	AL032DLMSD	314880D1MD	M314880MDV.D	10/04/96	1211
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Instrument ID: M Calibration Date(s): 10/02/96 10/03/96

Heated Purge: (Y/N) N Calibration Times: 2340 0259

GC Column:CAP ID: 0.53 (mm)

LAB FILE ID: RRF2 =MKR002H2V.D RRF5 =MKR005HV.D
RRF10 =MKR010HV.D RRF20 =MKR020HV.D RRF30 =MKR030H2V.D

COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF30	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *	0.628	0.732	0.708	0.709	0.688	0.693	5.7*
Chloromethane *	0.318	0.356	0.332	0.335	0.328	0.334	4.2*
Vinyl Chloride *	0.306	0.358	0.354	0.354	0.353	0.345	6.2*
Bromomethane *	0.293	0.303	0.284	0.279	0.252	0.282	6.7*
Chloroethane *	0.197	0.223	0.180	0.180	0.179	0.192	9.9*
Trichlorofluoromethane *	0.607	0.685	0.669	0.648	0.501	0.622	11.9*
Acetone *	0.084	0.070	0.059	0.062	0.061	0.067	15.6*
1,1-Dichloroethene *	0.258	0.315	0.311	0.323	0.297	0.301	8.5*
trans-1,2-Dichloroethene *	0.269	0.331	0.324	0.330	0.308	0.313	8.3*
Carbon Disulfide *	0.936	1.048	1.066	1.065	1.020	1.027	5.3*
Methylene Chloride *	0.291	0.321	0.322	0.328	0.303	0.313	4.9*
1,1-Dichloroethane *	0.586	0.665	0.648	0.654	0.631	0.637	4.9*
cis-1,2-Dichloroethene *	0.283	0.333	0.318	0.326	0.307	0.313	6.2*
2-Butanone *	0.020	0.025	0.022	0.024	0.022	0.023	7.7*
2,2-Dichloropropane *	0.511	0.578	0.546	0.568	0.544	0.549	4.7*
Chloroform *	0.588	0.667	0.652	0.660	0.635	0.641	4.9*
Bromochloromethane *	0.186	0.217	0.207	0.219	0.206	0.207	6.2*
1,1,1-Trichloroethane *	0.527	0.612	0.595	0.593	0.588	0.583	5.6*
1,1-Dichloropropene *	0.524	0.592	0.567	0.577	0.569	0.566	4.4*
Carbon Tetrachloride *	0.519	0.596	0.593	0.598	0.594	0.580	5.9*
1,2-Dichloroethane *	0.399	0.454	0.442	0.451	0.446	0.438	5.2*
Benzene *	1.030	1.135	1.106	1.104	1.085	1.092	3.6*
Trichloroethene *	0.369	0.412	0.407	0.414	0.405	0.402	4.6*
1,2-Dichloropropane *	0.374	0.447	0.425	0.428	0.427	0.420	6.5*
Bromodichloromethane *	0.622	0.718	0.691	0.711	0.703	0.689	5.6*
Dibromomethane *	0.268	0.308	0.303	0.319	0.309	0.301	6.5*
4-Methyl-2-Pentanone *	0.336	0.347	0.320	0.325	0.330	0.332	3.1*
cis-1,3-Dichloropropene *	0.544	0.615	0.611	0.627	0.616	0.603	5.6*
Toluene *	0.626	0.679	0.687	0.684	0.679	0.671	3.8*
trans-1,3-Dichloropropene *	0.480	0.532	0.523	0.533	0.529	0.519	4.2*
1,1,2-Trichloroethane *	0.271	0.316	0.308	0.312	0.300	0.302	6.1*
2-Hexanone *	0.210	0.233	0.209	0.218	0.216	0.217	4.4*
1,3-Dichloropropane *	0.540	0.624	0.603	0.622	0.605	0.599	5.7*
Tetrachloroethene *	0.513	0.565	0.556	0.568	0.552	0.551	4.0*
Dibromochloromethane *	0.568	0.636	0.679	0.688	0.665	0.647	7.5*
1,2-Dibromoethane *	0.480	0.539	0.560	0.566	0.546	0.538	6.3*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Instrument ID: M Calibration Date(s): 10/02/96 10/03/96

Heated Purge: (Y/N) N Calibration Times: 2340 0259

GC Column:CAP ID: 0.53 (mm)

LAB FILE ID: RRF2 =MKR002H2V.D RRF5 =MKR005HV.D
RRF10 =MKR010HV.D RRF20 =MKR020HV.D RRF30 =MKR030H2V.D

COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF30	$\overline{RRF}$	% RSD
Chlorobenzene *	0.893	1.021	1.059	1.062	1.019	1.011	6.8*
1,1,1,2-Tetrachloroethane *	0.437	0.501	0.540	0.541	0.526	0.509	8.5*
Ethylbenzene *	1.424	1.631	1.724	1.725	1.655	1.632	7.6*
Xylene (total) *	0.514	0.581	0.614	0.626	0.607	0.589	7.6*
Styrene *	0.855	0.982	1.030	1.059	1.034	0.992	8.2*
Bromoform *	0.342	0.415	0.450	0.463	0.448	0.424	11.6*
Isopropylbenzene *	1.473	1.642	1.761	1.776	1.729	1.676	7.4*
1,1,2,2-Tetrachloroethane *	0.543	0.627	0.649	0.657	0.627	0.621	7.3*
1,2,3-Trichloropropane *	0.398	0.446	0.468	0.474	0.451	0.447	6.7*
Bromobenzene *	0.466	0.512	0.555	0.565	0.539	0.528	7.6*
n-Propylbenzene *	0.409	0.431	0.468	0.474	0.468	0.450	6.4*
2-Chlorotoluene *	0.380	0.428	0.439	0.449	0.441	0.428	6.4*
1,3,5-Trimethylbenzene *	1.017	1.119	1.201	1.196	1.170	1.141	6.7*
4-Chlorotoluene *	0.385	0.422	0.445	0.442	0.442	0.427	5.9*
tert-Butylbenzene *	1.143	1.272	1.328	1.345	1.309	1.279	6.3*
1,2,4-Trimethylbenzene *	1.041	1.123	1.180	1.168	1.154	1.133	4.9*
sec-Butylbenzene *	1.385	1.555	1.623	1.621	1.586	1.554	6.3*
p-Isopropyltoluene *	1.196	1.300	1.364	1.360	1.329	1.310	5.2*
1,3-Dichlorobenzene *	0.767	0.828	0.894	0.884	0.871	0.849	6.2*
1,4-Dichlorobenzene *	0.811	0.877	0.922	0.960	0.912	0.897	6.2*
n-Butylbenzene *	0.984	1.079	1.095	1.108	1.079	1.069	4.6*
1,2-Dichlorobenzene *	0.674	0.750	0.799	0.794	0.777	0.759	6.7*
1,2-Dibromo-3-Chloropropane *	0.127	0.141	0.143	0.140	0.125	0.135	6.4*
1,2,4-Trichlorobenzene *	0.418	0.468	0.480	0.477	0.456	0.460	5.5*
Hexachlorobutadiene *	0.348	0.347	0.347	0.318	0.301	0.332	6.6*
Naphthalene *	0.887	0.915	0.930	0.926	0.896	0.911	2.0*
1,2,3-Trichlorobenzene *	0.405	0.414	0.438	0.429	0.403	0.418	3.6*
1,2-Dichloroethane-d4 *	0.380	0.371	0.349	0.347	0.379	0.365	4.5*
Bromofluorobenzene *	0.743	0.703	0.724	0.735	0.802	0.741	5.0*
1,2-Dichlorobenzene-d4 *	0.494	0.489	0.508	0.522	0.529	0.509	3.4*

* 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.: 61529

Instrument ID: L Calibration Date: 10/01/96 Time: 0522

Lab File ID: LHP010BHV.D Init. Calibration Date(s): 09/30/96

Heated Purge: (Y/N) N Init. Calibration Times: 1117 1519

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10-	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.581	0.649	0.050	-11.7	30.0
Chloromethane	0.293	0.324	0.192	-10.5	30.0
Vinyl Chloride	0.325	0.338	0.050	-4.3	30.0
Bromomethane	0.259	0.258	0.050	0.6	30.0
Chloroethane	0.185	0.181	0.050	2.2	30.0
Trichlorofluoromethane	0.614	0.710	0.050	-15.6	30.0
Acetone	0.052	0.058	0.020	-12.1	30.0
1,1-Dichloroethene	0.293	0.298	0.050	-1.6	30.0
trans-1,2-Dichloroethene	0.307	0.308	0.050	-0.4	30.0
Carbon Disulfide	0.886	0.901	0.050	-1.7	30.0
Methylene Chloride	0.269	0.275	0.050	-2.3	30.0
1,1-Dichloroethane	0.602	0.673	0.300	-11.8	30.0
cis-1,2-Dichloroethene	0.328	0.337	0.050	-2.8	30.0
2-Butanone	0.023	0.023	0.020	0.8	30.0
2,2-Dichloropropane	0.523	0.572	0.050	-9.3	30.0
Chloroform	0.634	0.641	0.050	-1.1	30.0
Bromochloromethane	0.198	0.194	0.050	2.1	30.0
1,1,1-Trichloroethane	0.564	0.617	0.050	-9.3	30.0
1,1-Dichloropropene	0.454	0.492	0.050	-8.3	30.0
Carbon Tetrachloride	0.544	0.579	0.050	-6.5	30.0
1,2-Dichloroethane	0.398	0.433	0.050	-9.0	30.0
Benzene	0.900	0.938	0.050	-4.2	30.0
Trichloroethene	0.382	0.403	0.050	-5.6	30.0
1,2-Dichloropropane	0.382	0.398	0.050	-4.0	30.0
Bromodichloromethane	0.591	0.612	0.050	-3.6	30.0
Dibromomethane	0.294	0.310	0.050	-5.4	30.0
4-Methyl-2-Pentanone	0.281	0.283	0.020	-0.9	30.0
cis-1,3-Dichloropropene	0.524	0.540	0.050	-3.1	30.0
Toluene	0.596	0.620	0.050	-4.0	30.0
trans-1,3-Dichloropropene	0.452	0.476	0.050	-5.2	30.0
1,1,2-Trichloroethane	0.253	0.260	0.050	-2.5	30.0
2-Hexanone	0.184	0.186	0.020	-1.3	30.0
1,3-Dichloropropane	0.519	0.538	0.050	-3.8	30.0
Tetrachloroethene	0.437	0.439	0.050	-0.5	30.0
Dibromochloromethane	0.616	0.575	0.050	6.6	30.0
1,2-Dibromoethane	0.568	0.596	0.050	-5.0	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.: 61529

Instrument ID: L Calibration Date: 10/01/96 Time: 0522

Lab File ID: LHP010BHV.D Init. Calibration Date(s): 09/30/96

Heated Purge: (Y/N) N Init. Calibration Times: 1117 1519

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	0.970	1.010	0.300	-4.1	30.0
1,1,1,2-Tetrachloroethane	0.473	0.495	0.050	-4.8	30.0
Ethylbenzene	1.485	1.606	0.050	-8.2	30.0
Xylene (total)	0.569	0.601	0.050	-5.7	30.0
Styrene	0.958	1.016	0.050	-6.1	30.0
Bromoform	0.440	0.369	0.250	16.0	30.0
Isopropylbenzene	1.646	1.777	0.050	-7.9	30.0
1,1,2,2-Tetrachloroethane	0.511	0.559	0.300	-9.4	30.0
1,2,3-Trichloropropane	0.396	0.434	0.050	-9.7	30.0
Bromobenzene	0.469	0.480	0.050	-2.5	30.0
n-Propylbenzene	0.431	0.452	0.050	-4.8	30.0
2-Chlorotoluene	0.380	0.402	0.050	-5.6	30.0
1,3,5-Trimethylbenzene	1.176	1.283	0.050	-9.1	30.0
4-Chlorotoluene	0.385	0.400	0.050	-3.9	30.0
tert-Butylbenzene	1.314	1.391	0.050	-5.9	30.0
1,2,4-Trimethylbenzene	1.163	1.252	0.050	-7.6	30.0
sec-Butylbenzene	1.742	1.875	0.050	-7.6	30.0
p-Isopropyltoluene	1.435	1.548	0.050	-7.9	30.0
1,3-Dichlorobenzene	0.743	0.776	0.050	-4.4	30.0
1,4-Dichlorobenzene	0.801	0.836	0.050	-4.5	30.0
n-Butylbenzene	1.266	1.400	0.050	-10.6	30.0
1,2-Dichlorobenzene	0.692	0.716	0.050	-3.5	30.0
1,2-Dibromo-3-Chloropropane	0.139	0.151	0.020	-8.7	30.0
1,2,4-Trichlorobenzene	0.599	0.599	0.050	0.1	30.0
Hexachlorobutadiene	0.339	0.334	0.050	1.5	30.0
Naphthalene	1.079	1.084	0.050	-0.5	30.0
1,2,3-Trichlorobenzene	0.541	0.530	0.050	2.0	30.0
1,2-Dichloroethane-d4	0.339	0.371	0.050	-9.5	30.0
Bromofluorobenzene	0.723	0.767	0.050	-6.0	30.0
1,2-Dichlorobenzene-d4	0.471	0.476	0.050	-1.1	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.: 61529

Instrument ID: L Calibration Date: 10/02/96 Time: 0203

Lab File ID: LHP010CHV.D Init. Calibration Date(s): 09/30/96

Heated Purge: (Y/N) N Init. Calibration Times: 1117 1519

GC Column:CAP ID: 0.53 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.581	0.687	0.050	-18.2	30.0
Chloromethane	0.293	0.354	0.192	-20.6	30.0
Vinyl Chloride	0.325	0.365	0.050	-12.4	30.0
Bromomethane	0.259	0.264	0.050	-1.9	30.0
Chloroethane	0.185	0.203	0.050	-9.9	30.0
Trichlorofluoromethane	0.614	0.739	0.050	-20.4	30.0
Acetone	0.052	0.059	0.020	-13.0	30.0
1,1-Dichloroethene	0.293	0.310	0.050	-5.8	30.0
trans-1,2-Dichloroethene	0.307	0.315	0.050	-2.6	30.0
Carbon Disulfide	0.886	0.929	0.050	-4.9	30.0
Methylene Chloride	0.269	0.283	0.050	-5.2	30.0
1,1-Dichloroethane	0.602	0.714	0.300	-18.7	30.0
cis-1,2-Dichloroethene	0.328	0.347	0.050	-5.8	30.0
2-Butanone	0.023	0.022	0.020	6.2	30.0
2,2-Dichloropropane	0.523	0.595	0.050	-13.7	30.0
Chloroform	0.634	0.678	0.050	-6.9	30.0
Bromochloromethane	0.198	0.199	0.050	-0.6	30.0
1,1,1-Trichloroethane	0.564	0.658	0.050	-16.6	30.0
1,1-Dichloropropene	0.454	0.509	0.050	-12.1	30.0
Carbon Tetrachloride	0.544	0.608	0.050	-11.9	30.0
1,2-Dichloroethane	0.398	0.474	0.050	-19.2	30.0
Benzene	0.900	0.953	0.050	-5.9	30.0
Trichloroethene	0.382	0.424	0.050	-11.1	30.0
1,2-Dichloropropane	0.382	0.424	0.050	-10.9	30.0
Bromodichloromethane	0.591	0.677	0.050	-14.5	30.0
Dibromomethane	0.294	0.319	0.050	-8.4	30.0
4-Methyl-2-Pentanone	0.281	0.284	0.020	-1.1	30.0
cis-1,3-Dichloropropene	0.524	0.563	0.050	-7.5	30.0
Toluene	0.596	0.640	0.050	-7.3	30.0
trans-1,3-Dichloropropene	0.452	0.493	0.050	-9.1	30.0
1,1,2-Trichloroethane	0.253	0.275	0.050	-8.4	30.0
2-Hexanone	0.184	0.184	0.020	0.1	30.0
1,3-Dichloropropane	0.519	0.561	0.050	-8.1	30.0
Tetrachloroethene	0.437	0.444	0.050	-1.6	30.0
Dibromochloromethane	0.616	0.642	0.050	-4.3	30.0
1,2-Dibromoethane	0.568	0.614	0.050	-8.1	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.: 61529

Instrument ID: L Calibration Date: 10/02/96 Time: 0203

Lab File ID: LHP010CHV.D Init. Calibration Date(s): 09/30/96

Heated Purge: (Y/N) N Init. Calibration Times: 1117 1519

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	0.970	1.036	0.300	-6.8	30.0
1,1,1,2-Tetrachloroethane	0.473	0.508	0.050	-7.4	30.0
Ethylbenzene	1.485	1.684	0.050	-13.4	30.0
Xylene (total)	0.569	0.619	0.050	-8.9	30.0
Styrene	0.958	1.047	0.050	-9.3	30.0
Bromoform	0.440	0.455	0.250	-3.6	30.0
Isopropylbenzene	1.646	1.838	0.050	-11.6	30.0
1,1,2,2-Tetrachloroethane	0.511	0.568	0.300	-11.3	30.0
1,2,3-Trichloropropane	0.396	0.448	0.050	-13.1	30.0
Bromobenzene	0.469	0.495	0.050	-5.7	30.0
n-Propylbenzene	0.431	0.465	0.050	-7.9	30.0
2-Chlorotoluene	0.380	0.411	0.050	-8.1	30.0
1,3,5-Trimethylbenzene	1.176	1.334	0.050	-13.4	30.0
4-Chlorotoluene	0.385	0.421	0.050	-9.2	30.0
tert-Butylbenzene	1.314	1.466	0.050	-11.6	30.0
1,2,4-Trimethylbenzene	1.163	1.337	0.050	-14.9	30.0
sec-Butylbenzene	1.742	1.971	0.050	-13.1	30.0
p-Isopropyltoluene	1.435	1.596	0.050	-11.2	30.0
1,3-Dichlorobenzene	0.743	0.789	0.050	-6.2	30.0
1,4-Dichlorobenzene	0.801	0.893	0.050	-11.5	30.0
n-Butylbenzene	1.266	1.465	0.050	-15.8	30.0
1,2-Dichlorobenzene	0.692	0.752	0.050	-8.7	30.0
1,2-Dibromo-3-Chloropropane	0.139	0.155	0.020	-12.0	30.0
1,2,4-Trichlorobenzene	0.599	0.613	0.050	-2.3	30.0
Hexachlorobutadiene	0.339	0.342	0.050	-0.8	30.0
Naphthalene	1.079	1.127	0.050	-4.5	30.0
1,2,3-Trichlorobenzene	0.541	0.553	0.050	-2.1	30.0
1,2-Dichloroethane-d4	0.339	0.401	0.050	-18.3	30.0
Bromofluorobenzene	0.723	0.811	0.050	-12.1	30.0
1,2-Dichlorobenzene-d4	0.471	0.486	0.050	-3.2	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.: 61529

Instrument ID: M Calibration Date: 10/03/96 Time: 0419

Lab File ID: MKR010AHV.D Init. Calibration Date(s): 10/02/96 10/03/96

Heated Purge: (Y/N) N Init. Calibration Times: 2340 0259

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.693	0.689	0.050	0.6	30.0
Chloromethane	0.334	0.330	0.192	1.2	30.0
Vinyl Chloride	0.345	0.351	0.050	-1.8	30.0
Bromomethane	0.282	0.278	0.050	1.5	30.0
Chloroethane	0.192	0.177	0.050	7.8	30.0
Trichlorofluoromethane	0.622	0.652	0.050	-4.9	30.0
Acetone	0.067	0.057	0.020	14.5	30.0
1,1-Dichloroethene	0.301	0.308	0.050	-2.3	30.0
trans-1,2-Dichloroethene	0.313	0.313	0.050	-0.2	30.0
Carbon Disulfide	1.027	1.040	0.050	-1.3	30.0
Methylene Chloride	0.313	0.321	0.050	-2.7	30.0
1,1-Dichloroethane	0.637	0.632	0.300	0.7	30.0
cis-1,2-Dichloroethene	0.313	0.310	0.050	1.1	30.0
2-Butanone	0.023	0.022	0.020	4.8	30.0
2,2-Dichloropropane	0.549	0.530	0.050	3.6	30.0
Chloroform	0.641	0.638	0.050	0.4	30.0
Bromochloromethane	0.207	0.204	0.050	1.3	30.0
1,1,1-Trichloroethane	0.583	0.571	0.050	2.1	30.0
1,1-Dichloropropene	0.566	0.553	0.050	2.2	30.0
Carbon Tetrachloride	0.580	0.573	0.050	1.1	30.0
1,2-Dichloroethane	0.438	0.436	0.050	0.7	30.0
Benzene	1.092	1.072	0.050	1.8	30.0
Trichloroethene	0.402	0.400	0.050	0.4	30.0
1,2-Dichloropropane	0.420	0.408	0.050	2.8	30.0
Bromodichloromethane	0.689	0.688	0.050	0.2	30.0
Dibromomethane	0.301	0.305	0.050	-1.3	30.0
4-Methyl-2-Pentanone	0.332	0.308	0.020	7.1	30.0
cis-1,3-Dichloropropene	0.603	0.597	0.050	0.9	30.0
Toluene	0.671	0.664	0.050	1.0	30.0
trans-1,3-Dichloropropene	0.519	0.510	0.050	1.8	30.0
1,1,2-Trichloroethane	0.302	0.290	0.050	3.7	30.0
2-Hexanone	0.217	0.199	0.020	8.4	30.0
1,3-Dichloropropane	0.599	0.591	0.050	1.3	30.0
Tetrachloroethene	0.551	0.547	0.050	0.7	30.0
Dibromochloromethane	0.647	0.637	0.050	1.6	30.0
1,2-Dibromoethane	0.538	0.530	0.050	1.5	30.0

All other compounds must meet a minimum RRF of 0.010.

7A-2
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Instrument ID: M Calibration Date: 10/03/96 Time: 0419

Lab File ID: MKR010AHV.D Init. Calibration Date(s): 10/02/96 10/03/96

Heated Purge: (Y/N) N Init. Calibration Times: 2340 0259

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	1.011	1.013	0.300	-0.3	30.0
1,1,1,2-Tetrachloroethane	0.509	0.514	0.050	-0.9	30.0
Ethylbenzene	1.632	1.628	0.050	0.2	30.0
Xylene (total)	0.589	0.603	0.050	-2.4	30.0
Styrene	0.992	1.008	0.050	-1.7	30.0
Bromoform	0.424	0.416	0.250	1.9	30.0
Isopropylbenzene	1.676	1.675	0.050	0.1	30.0
1,1,2,2-Tetrachloroethane	0.621	0.598	0.300	3.6	30.0
1,2,3-Trichloropropane	0.447	0.432	0.050	3.4	30.0
Bromobenzene	0.528	0.530	0.050	-0.5	30.0
n-Propylbenzene	0.450	0.452	0.050	-0.5	30.0
2-Chlorotoluene	0.428	0.429	0.050	-0.4	30.0
1,3,5-Trimethylbenzene	1.141	1.153	0.050	-1.1	30.0
4-Chlorotoluene	0.427	0.437	0.050	-2.3	30.0
tert-Butylbenzene	1.279	1.283	0.050	-0.3	30.0
1,2,4-Trimethylbenzene	1.133	1.118	0.050	1.3	30.0
sec-Butylbenzene	1.554	1.564	0.050	-0.7	30.0
p-Isopropyltoluene	1.310	1.324	0.050	-1.1	30.0
1,3-Dichlorobenzene	0.849	0.843	0.050	0.7	30.0
1,4-Dichlorobenzene	0.897	0.911	0.050	-1.6	30.0
n-Butylbenzene	1.069	1.100	0.050	-2.9	30.0
1,2-Dichlorobenzene	0.759	0.779	0.050	-2.6	30.0
1,2-Dibromo-3-Chloropropane	0.135	0.128	0.020	5.3	30.0
1,2,4-Trichlorobenzene	0.460	0.489	0.050	-6.4	30.0
Hexachlorobutadiene	0.332	0.369	0.050	-11.1	30.0
Naphthalene	0.911	0.939	0.050	-3.1	30.0
1,2,3-Trichlorobenzene	0.418	0.455	0.050	-8.9	30.0
1,2-Dichloroethane-d4	0.365	0.373	0.050	-2.1	30.0
Bromofluorobenzene	0.741	0.800	0.050	-7.9	30.0
1,2-Dichlorobenzene-d4	0.509	0.510	0.050	-0.3	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.: 61529

Instrument ID: M Calibration Date: 10/04/96 Time: 0121

Lab File ID: MKR010BHV.D Init. Calibration Date(s): 10/02/96 10/03/96

Heated Purge: (Y/N) N Init. Calibration Times: 2340 0259

GC Column:CAP ID: 0.53 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.693	0.729	0.050	-5.2	30.0
Chloromethane	0.334	0.342	0.192	-2.6	30.0
Vinyl Chloride	0.345	0.365	0.050	-5.7	30.0
Bromomethane	0.282	0.279	0.050	1.2	30.0
Chloroethane	0.192	0.184	0.050	4.2	30.0
Trichlorofluoromethane	0.622	0.678	0.050	-8.9	30.0
Acetone	0.067	0.066	0.020	1.9	30.0
1,1-Dichloroethene	0.301	0.323	0.050	-7.3	30.0
trans-1,2-Dichloroethene	0.313	0.326	0.050	-4.2	30.0
Carbon Disulfide	1.027	1.109	0.050	-8.0	30.0
Methylene Chloride	0.313	0.323	0.050	-3.2	30.0
1,1-Dichloroethane	0.637	0.638	0.300	-0.2	30.0
cis-1,2-Dichloroethene	0.313	0.319	0.050	-1.7	30.0
2-Butanone	0.023	0.024	0.020	-6.7	30.0
2,2-Dichloropropane	0.549	0.576	0.050	-5.0	30.0
Chloroform	0.641	0.712	0.050	-11.1	30.0
Bromochloromethane	0.207	0.221	0.050	-6.8	30.0
1,1,1-Trichloroethane	0.583	0.604	0.050	-3.6	30.0
1,1-Dichloropropene	0.566	0.572	0.050	-1.2	30.0
Carbon Tetrachloride	0.580	0.617	0.050	-6.4	30.0
1,2-Dichloroethane	0.438	0.439	0.050	-0.2	30.0
Benzene	1.092	1.095	0.050	-0.3	30.0
Trichloroethene	0.402	0.418	0.050	-4.0	30.0
1,2-Dichloropropane	0.420	0.421	0.050	-0.3	30.0
Bromodichloromethane	0.689	0.692	0.050	-0.5	30.0
Dibromomethane	0.301	0.311	0.050	-3.2	30.0
4-Methyl-2-Pentanone	0.332	0.320	0.020	3.4	30.0
cis-1,3-Dichloropropene	0.603	0.604	0.050	-0.2	30.0
Toluene	0.671	0.675	0.050	-0.5	30.0
trans-1,3-Dichloropropene	0.519	0.508	0.050	2.2	30.0
1,1,2-Trichloroethane	0.302	0.299	0.050	0.9	30.0
2-Hexanone	0.217	0.207	0.020	4.9	30.0
1,3-Dichloropropane	0.599	0.597	0.050	0.3	30.0
Tetrachloroethene	0.551	0.601	0.050	-9.1	30.0
Dibromochloromethane	0.647	0.579	0.050	10.5	30.0
1,2-Dibromoethane	0.538	0.523	0.050	2.8	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.: 61529

Instrument ID: M Calibration Date: 10/04/96 Time: 0121

Lab File ID: MKR010BHV.D Init. Calibration Date(s): 10/02/96 10/03/96

Heated Purge: (Y/N) N Init. Calibration Times: 2340 0259

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	1.011	1.011	0.300	0.0	30.0
1,1,1,2-Tetrachloroethane	0.509	0.528	0.050	-3.6	30.0
Ethylbenzene	1.632	1.573	0.050	3.6	30.0
Xylene (total)	0.589	0.579	0.050	1.6	30.0
Styrene	0.992	0.968	0.050	2.4	30.0
Bromoform	0.424	0.347	0.250	18.1	30.0
Isopropylbenzene	1.676	1.635	0.050	2.5	30.0
1,1,2,2-Tetrachloroethane	0.621	0.564	0.300	9.1	30.0
1,2,3-Trichloropropane	0.447	0.416	0.050	7.1	30.0
Bromobenzene	0.528	0.539	0.050	-2.1	30.0
n-Propylbenzene	0.450	0.447	0.050	0.6	30.0
2-Chlorotoluene	0.428	0.419	0.050	2.1	30.0
1,3,5-Trimethylbenzene	1.141	1.114	0.050	2.4	30.0
4-Chlorotoluene	0.427	0.439	0.050	-2.8	30.0
tert-Butylbenzene	1.279	1.265	0.050	1.1	30.0
1,2,4-Trimethylbenzene	1.133	1.083	0.050	4.4	30.0
sec-Butylbenzene	1.554	1.499	0.050	3.6	30.0
p-Isopropyltoluene	1.310	1.292	0.050	1.3	30.0
1,3-Dichlorobenzene	0.849	0.838	0.050	1.3	30.0
1,4-Dichlorobenzene	0.897	0.917	0.050	-2.3	30.0
n-Butylbenzene	1.069	0.994	0.050	7.1	30.0
1,2-Dichlorobenzene	0.759	0.757	0.050	0.2	30.0
1,2-Dibromo-3-Chloropropane	0.135	0.115	0.020	14.7	30.0
1,2,4-Trichlorobenzene	0.460	0.438	0.050	4.7	30.0
Hexachlorobutadiene	0.332	0.332	0.050	-0.1	30.0
Naphthalene	0.911	0.746	0.050	18.1	30.0
1,2,3-Trichlorobenzene	0.418	0.386	0.050	7.6	30.0
1,2-Dichloroethane-d4	0.365	0.367	0.050	-0.5	30.0
Bromofluorobenzene	0.741	0.739	0.050	0.3	30.0
1,2-Dichlorobenzene-d4	0.509	0.508	0.050	0.2	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.: 61529

Instrument ID: M Calibration Date: 10/04/96 Time: 0121

Lab File ID: MKR010BHV.D Init. Calibration Date(s): 10/02/96 10/03/96

Heated Purge: (Y/N) N Init. Calibration Times: 2340 0259

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.693	0.729	0.050	-5.2	30.0
Chloromethane	0.334	0.342	0.192	-2.6	30.0
Vinyl Chloride	0.345	0.365	0.050	-5.7	30.0
Bromomethane	0.282	0.279	0.050	1.2	30.0
Chloroethane	0.192	0.184	0.050	4.2	30.0
Trichlorofluoromethane	0.622	0.678	0.050	-8.9	30.0
Acetone	0.067	0.066	0.020	1.9	30.0
1,1-Dichloroethene	0.301	0.323	0.050	-7.3	30.0
trans-1,2-Dichloroethene	0.313	0.326	0.050	-4.2	30.0
Carbon Disulfide	1.027	1.109	0.050	-8.0	30.0
Methylene Chloride	0.313	0.323	0.050	-3.2	30.0
1,1-Dichloroethane	0.637	0.638	0.300	-0.2	30.0
cis-1,2-Dichloroethene	0.313	0.319	0.050	-1.7	30.0
2-Butanone	0.023	0.024	0.020	-6.7	30.0
2,2-Dichloropropane	0.549	0.576	0.050	-5.0	30.0
Chloroform	0.641	0.712	0.050	-11.1	30.0
Bromochloromethane	0.207	0.221	0.050	-6.8	30.0
1,1,1-Trichloroethane	0.583	0.604	0.050	-3.6	30.0
1,1-Dichloropropene	0.566	0.572	0.050	-1.2	30.0
Carbon Tetrachloride	0.580	0.617	0.050	-6.4	30.0
1,2-Dichloroethane	0.438	0.439	0.050	-0.2	30.0
Benzene	1.092	1.095	0.050	-0.3	30.0
Trichloroethene	0.402	0.418	0.050	-4.0	30.0
1,2-Dichloropropane	0.420	0.421	0.050	-0.3	30.0
Bromodichloromethane	0.689	0.692	0.050	-0.5	30.0
Dibromomethane	0.301	0.311	0.050	-3.2	30.0
4-Methyl-2-Pentanone	0.332	0.320	0.020	3.4	30.0
cis-1,3-Dichloropropene	0.603	0.604	0.050	-0.2	30.0
Toluene	0.671	0.675	0.050	-0.5	30.0
trans-1,3-Dichloropropene	0.519	0.508	0.050	2.2	30.0
1,1,2-Trichloroethane	0.302	0.299	0.050	0.9	30.0
2-Hexanone	0.217	0.207	0.020	4.9	30.0
1,3-Dichloropropane	0.599	0.597	0.050	0.3	30.0
Tetrachloroethene	0.551	0.601	0.050	-9.1	30.0
Dibromochloromethane	0.647	0.579	0.050	10.5	30.0
1,2-Dibromoethane	0.538	0.523	0.050	2.8	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.: 61529

Instrument ID: M Calibration Date: 10/04/96 Time: 0121

Lab File ID: MKR010BHV.D Init. Calibration Date(s): 10/02/96 10/03/96

Heated Purge: (Y/N) N Init. Calibration Times: 2340 0259

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	1.011	1.011	0.300	0.0	30.0
1,1,1,2-Tetrachloroethane	0.509	0.528	0.050	-3.6	30.0
Ethylbenzene	1.632	1.573	0.050	3.6	30.0
Xylene (total)	0.589	0.579	0.050	1.6	30.0
Styrene	0.992	0.968	0.050	2.4	30.0
Bromoform	0.424	0.347	0.250	18.1	30.0
Isopropylbenzene	1.676	1.635	0.050	2.5	30.0
1,1,2,2-Tetrachloroethane	0.621	0.564	0.300	9.1	30.0
1,2,3-Trichloropropane	0.447	0.416	0.050	7.1	30.0
Bromobenzene	0.528	0.539	0.050	-2.1	30.0
n-Propylbenzene	0.450	0.447	0.050	0.6	30.0
2-Chlorotoluene	0.428	0.419	0.050	2.1	30.0
1,3,5-Trimethylbenzene	1.141	1.114	0.050	2.4	30.0
4-Chlorotoluene	0.427	0.439	0.050	-2.8	30.0
tert-Butylbenzene	1.279	1.265	0.050	1.1	30.0
1,2,4-Trimethylbenzene	1.133	1.083	0.050	4.4	30.0
sec-Butylbenzene	1.554	1.499	0.050	3.6	30.0
p-Isopropyltoluene	1.310	1.292	0.050	1.3	30.0
1,3-Dichlorobenzene	0.849	0.838	0.050	1.3	30.0
1,4-Dichlorobenzene	0.897	0.917	0.050	-2.3	30.0
n-Butylbenzene	1.069	0.994	0.050	7.1	30.0
1,2-Dichlorobenzene	0.759	0.757	0.050	0.2	30.0
1,2-Dibromo-3-Chloropropane	0.135	0.115	0.020	14.7	30.0
1,2,4-Trichlorobenzene	0.460	0.438	0.050	4.7	30.0
Hexachlorobutadiene	0.332	0.332	0.050	-0.1	30.0
Naphthalene	0.911	0.746	0.050	18.1	30.0
1,2,3-Trichlorobenzene	0.418	0.386	0.050	7.6	30.0
1,2-Dichloroethane-d4	0.365	0.367	0.050	-0.5	30.0
Bromofluorobenzene	0.741	0.739	0.050	0.3	30.0
1,2-Dichlorobenzene-d4	0.509	0.508	0.050	0.2	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.: 61529

Instrument ID: M Calibration Date: 10/07/96 Time: 1627

Lab File ID: MKR010DHV.D Init. Calibration Date(s): 10/02/96 10/03/96

Heated Purge: (Y/N) N Init. Calibration Times: 2340 0259

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.693	0.594	0.050	14.3	30.0
Chloromethane	0.334	0.284	0.192	15.0	30.0
Vinyl Chloride	0.345	0.297	0.050	13.8	30.0
Bromomethane	0.282	0.272	0.050	3.7	30.0
Chloroethane	0.192	0.165	0.050	14.0	30.0
Trichlorofluoromethane	0.622	0.605	0.050	2.8	30.0
Acetone	0.067	0.050	0.020	25.7	30.0
1,1-Dichloroethene	0.301	0.300	0.050	0.4	30.0
trans-1,2-Dichloroethene	0.313	0.313	0.050	-0.2	30.0
Carbon Disulfide	1.027	0.957	0.050	6.8	30.0
Methylene Chloride	0.313	0.295	0.050	5.9	30.0
1,1-Dichloroethane	0.637	0.548	0.300	14.0	30.0
cis-1,2-Dichloroethene	0.313	0.312	0.050	0.4	30.0
2-Butanone	0.023	0.020	0.020	12.4	30.0
2,2-Dichloropropane	0.549	0.492	0.050	10.4	30.0
Chloroform	0.641	0.599	0.050	6.5	30.0
Bromochloromethane	0.207	0.197	0.050	4.9	30.0
1,1,1-Trichloroethane	0.583	0.534	0.050	8.3	30.0
1,1-Dichloropropene	0.566	0.500	0.050	11.6	30.0
Carbon Tetrachloride	0.580	0.498	0.050	14.1	30.0
1,2-Dichloroethane	0.438	0.351	0.050	20.0	30.0
Benzene	1.092	0.977	0.050	10.5	30.0
Trichloroethene	0.402	0.377	0.050	6.1	30.0
1,2-Dichloropropane	0.420	0.365	0.050	13.1	30.0
Bromodichloromethane	0.689	0.621	0.050	9.8	30.0
Dibromomethane	0.301	0.280	0.050	7.0	30.0
4-Methyl-2-Pentanone	0.332	0.264	0.020	20.4	30.0
cis-1,3-Dichloropropene	0.603	0.525	0.050	12.9	30.0
Toluene	0.671	0.649	0.050	3.3	30.0
trans-1,3-Dichloropropene	0.519	0.430	0.050	17.3	30.0
1,1,2-Trichloroethane	0.302	0.275	0.050	8.9	30.0
2-Hexanone	0.217	0.176	0.020	18.9	30.0
1,3-Dichloropropane	0.599	0.521	0.050	13.0	30.0
Tetrachloroethene	0.551	0.592	0.050	-7.5	30.0
Dibromochloromethane	0.647	0.612	0.050	5.4	30.0
1,2-Dibromoethane	0.538	0.524	0.050	2.5	30.0

All other compounds must meet a minimum RRF of 0.010.

7A-2
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Instrument ID: M Calibration Date: 10/07/96 Time: 1627

Lab File ID: MKR010DHV.D Init. Calibration Date(s): 10/02/96 10/03/96

Heated Purge: (Y/N) N Init. Calibration Times: 2340 0259

GC Column:CAP ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Chlorobenzene	1.011	1.011	0.300	0.0	30.0
1,1,1,2-Tetrachloroethane	0.509	0.498	0.050	2.1	30.0
Ethylbenzene	1.632	1.623	0.050	0.5	30.0
Xylene (total)	0.589	0.573	0.050	2.6	30.0
Styrene	0.992	0.977	0.050	1.4	30.0
Bromoform	0.424	0.463	0.250	-9.3	30.0
Isopropylbenzene	1.676	1.640	0.050	2.2	30.0
1,1,2,2-Tetrachloroethane	0.621	0.598	0.300	3.7	30.0
1,2,3-Trichloropropane	0.447	0.410	0.050	8.3	30.0
Bromobenzene	0.528	0.585	0.050	-10.9	30.0
n-Propylbenzene	0.450	0.427	0.050	5.1	30.0
2-Chlorotoluene	0.428	0.394	0.050	8.0	30.0
1,3,5-Trimethylbenzene	1.141	1.100	0.050	3.6	30.0
4-Chlorotoluene	0.427	0.401	0.050	6.1	30.0
tert-Butylbenzene	1.279	1.215	0.050	5.1	30.0
1,2,4-Trimethylbenzene	1.133	1.080	0.050	4.7	30.0
sec-Butylbenzene	1.554	1.483	0.050	4.5	30.0
p-Isopropyltoluene	1.310	1.230	0.050	6.1	30.0
1,3-Dichlorobenzene	0.849	0.853	0.050	-0.5	30.0
1,4-Dichlorobenzene	0.897	0.922	0.050	-2.8	30.0
n-Butylbenzene	1.069	1.014	0.050	5.1	30.0
1,2-Dichlorobenzene	0.759	0.758	0.050	0.2	30.0
1,2-Dibromo-3-Chloropropane	0.135	0.111	0.020	17.9	30.0
1,2,4-Trichlorobenzene	0.460	0.463	0.050	-0.6	30.0
Hexachlorobutadiene	0.332	0.278	0.050	16.3	30.0
Naphthalene	0.911	0.800	0.050	12.2	30.0
1,2,3-Trichlorobenzene	0.418	0.402	0.050	3.9	30.0
1,2-Dichloroethane-d4	0.365	0.281	0.050	23.2	30.0
Bromofluorobenzene	0.741	0.712	0.050	3.9	30.0
1,2-Dichlorobenzene-d4	0.509	0.532	0.050	-4.6	30.0

All other compounds must meet a minimum RRF of 0.010.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: INCHCAPE ENVIRONMENTAL Contract: 93206

Lab Code: INCHVT Case No.: OBASH SAS No.: SDG No.: 61529

Lab File ID (Standard): LHP010CHV.D Date Analyzed: 10/02/96

Instrument ID: L Time Analyzed: 0203

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	153388	10.26	121302	16.72	0	0.00
	UPPER LIMIT	306776	10.76	242604	17.22	0	0.50
	LOWER LIMIT	76694	9.76	60651	16.22	0	-0.50
	EPA SAMPLE No.						
01	LHPCLCS	150588	10.25	118102	16.71		
02	VBLKN2	149044	10.25	119810	16.73		
03	AL029	139285	10.25	105407	16.71		
04	AL021	136950	10.25	104934	16.71		
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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.: 61529

Lab File ID (Standard): LHP010BHV.D Date Analyzed: 10/01/96

Instrument ID: L Time Analyzed: 0522

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	155277	10.26	122427	16.70	0	0.00
	UPPER LIMIT	310554	10.76	244854	17.20	0	0.50
	LOWER LIMIT	77638	9.76	61214	16.20	0	-0.50
	EPA SAMPLE No.						
01	LHPBLCS	133436	10.24	104656	16.69		
02	VBLKM7	133027	10.25	106734	16.69		
03	AL022	142940	10.25	110305	16.73		
04	AL023	139663	10.25	109229	16.71		
05	AL024	142950	10.25	113460	16.71		
06	AL025	139093	10.25	110940	16.71		
07	AL026	139659	10.25	111764	16.71		
08	AL027	135919	10.24	108410	16.69		
09	AL028	144612	10.24	110966	16.71		
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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.: 61529

Lab File ID (Standard): MKR010AHV.D Date Analyzed: 10/03/96

Instrument ID: M Time Analyzed: 0419

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	93460	10.29	80718	16.37	0	0.00
	UPPER LIMIT	186920	10.79	161436	16.87	0	0.50
	LOWER LIMIT	46730	9.79	40359	15.87	0	-0.50
	EPA SAMPLE No.						
01	MKRALCS	96380	10.28	80810	16.38		
02	VBLKN7	92751	10.28	76575	16.36		
03	AL032	82269	10.25	73386	16.35		
04	AL031	81570	10.25	68861	16.35		
05	AL034	82808	10.30	73565	16.38		
06	AL036	82020	10.28	68236	16.38		
07	AL037	78254	10.28	68366	16.38		
08	AL038	80723	10.28	69574	16.36		
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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.: 61529

Lab File ID (Standard): MKR010BHV.D Date Analyzed: 10/04/96

Instrument ID: M Time Analyzed: 0121

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	94842		10.29		85475		16.35		0		0.00	
	UPPER LIMIT	189684		10.79		170950		16.85		0		0.50	
	LOWER LIMIT	47421		9.79		42738		15.85		0		-0.50	
	EPA SAMPLE No.												
01	MKRBLCS	89482		10.27		79986		16.35					
02	VBLKN9	88832		10.27		75541		16.35					
03	AL039	92235		10.27		81592		16.35					
04	AL030	84638		10.27		77115		16.35					
05	AL033	92159		10.25		81488		16.33					
06	AL035	86415		10.25		76486		16.33					
07	AL032DLMS	92102		10.27		81406		16.34					
08	AL032DLMSD	89953		10.25		80652		16.34					
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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.: 61529

Lab File ID (Standard): MKR010DHV.D Date Analyzed: 10/07/96

Instrument ID: M Time Analyzed: 1627

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	129184		10.24		103303		16.32		0		0:00	
	UPPER LIMIT	258368		10.74		206606		16.82		0		0.50	
	LOWER LIMIT	64592		9.74		51652		15.82		0		-0.50	
	EPA SAMPLE No.												
01	VBLKP7	117579		10.25		97445		16.31					
02	MKRDLCS	118070		10.25		93068		16.31					
03	AL032DL	103730		10.25		87576		16.33					
04													
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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.

B. Inchcape Correspondence Regarding Toluene Contamination

Memorandum

To:	Mr. Mike Duchesneau, Parsons Engineering
From:	Martha E. Roy, QA Officer, ITS Burlington Facility MER
Date:	November 14, 1996
Subject:	Third Quarter 524.2 Results

As a result of your discussion with Polly Malik, concerning toluene concentrations in the third quarter data, I have looked into the issue. We believe the low level toluene resulted from some renovation activities, involving contact cement around the Sample Management area in late September.

In order to verify that the source of this problem was not water, bottle, preservation or storage related; I had 15 sample container blanks analyzed in the lab on October 2-3, 1996. Additionally, a holding blank was placed in each refrigerator in sample management for approximately one week. These blanks were analyzed on October 12, 1996. Toluene was not detected in any of these blanks when analyzed by method 524.2.

The 524.2 data from your July sampling round did not indicate any toluene problem. The October sampling round did indicate low concentrations of toluene in some of the samples and trip blank. The renovation area was removed from our VOA laboratory. For this reason no toluene showed up in our method blanks; however, low concentrations were evident in some samples and the trip blank which were stored in Sample Management. We feel this low level toluene was a one time artifact caused by the renovations; which are now complete and we do not anticipate any future problems. As a corrective action we will analyze a holding blank with each SDG of your VOA samples. We apologize for any inconvenience this may have caused you.