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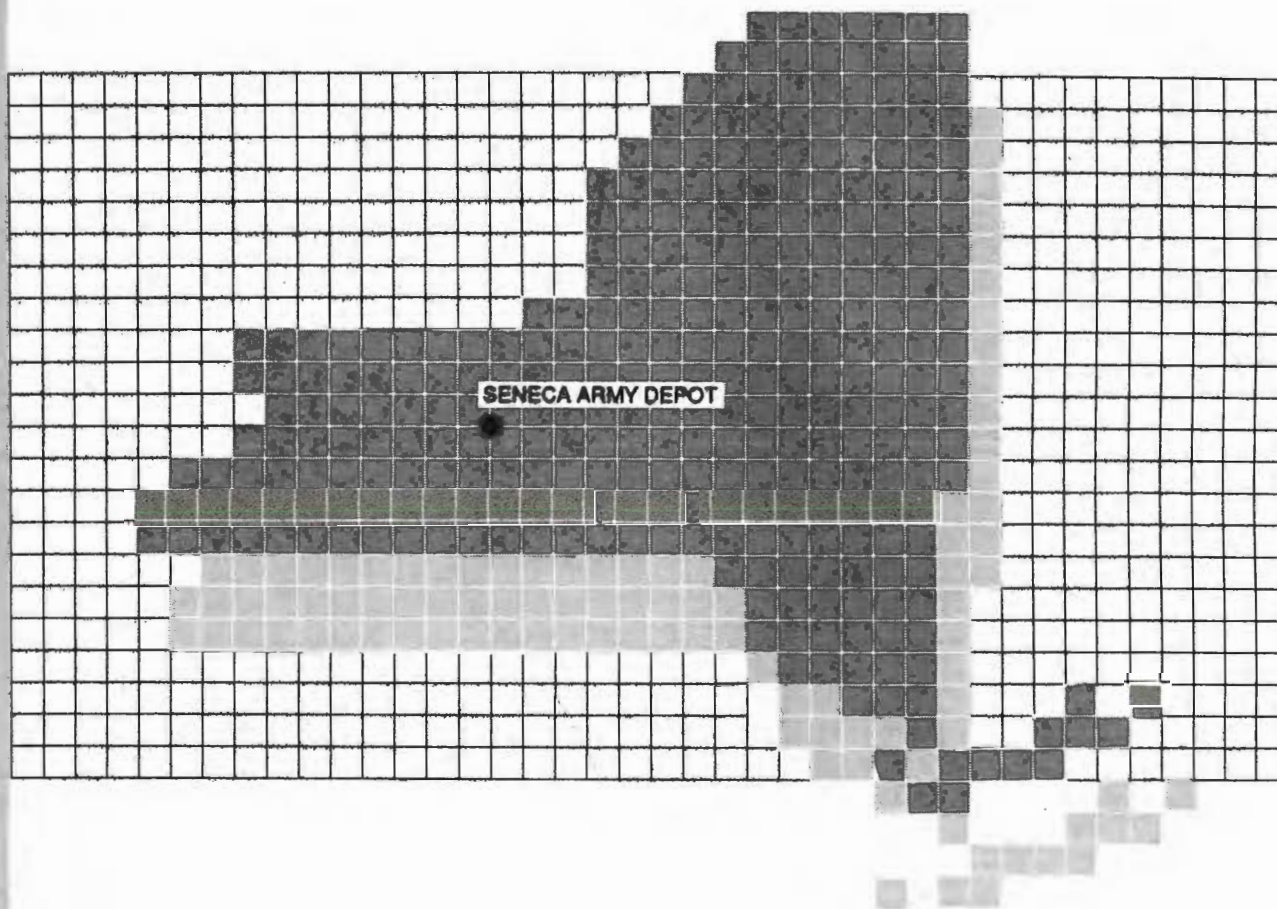
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U.S ARMY ENGINEER DIVISION
HUNTSVILLE, ALABAMA



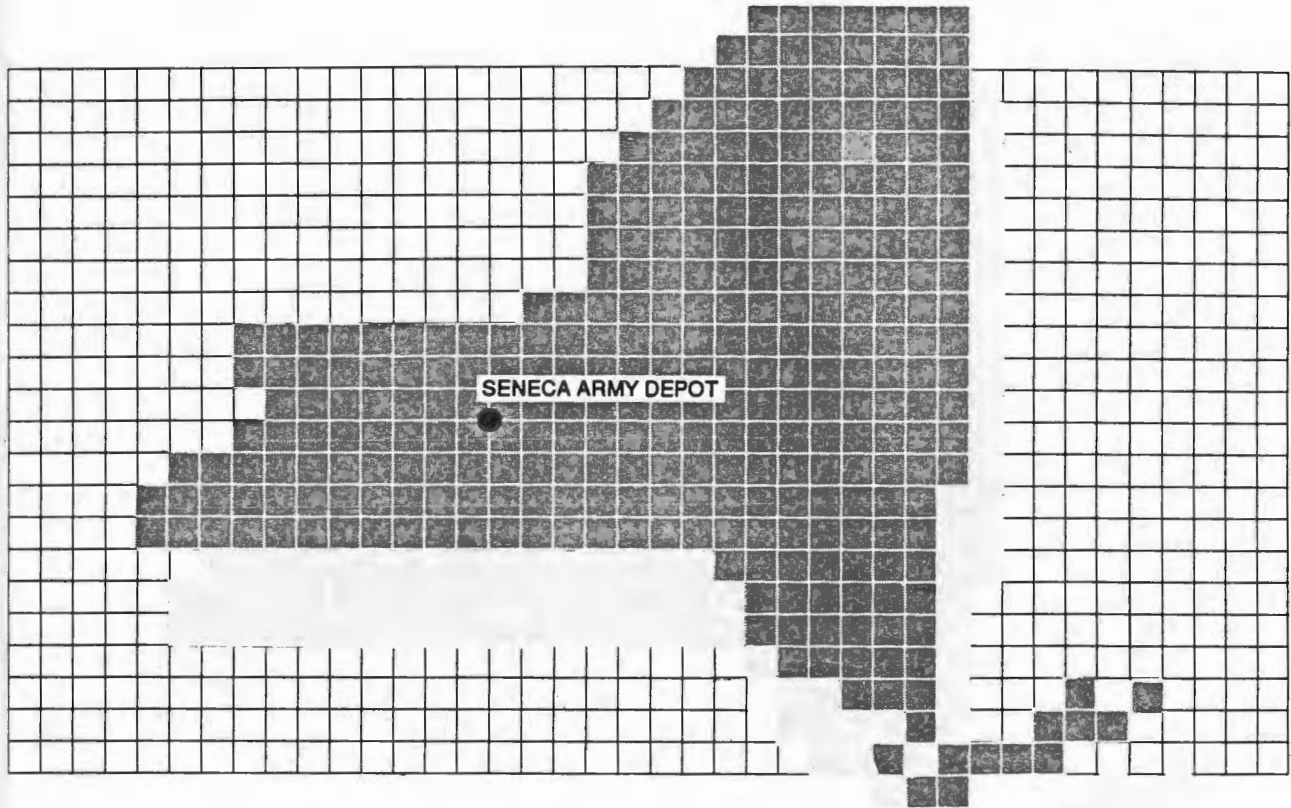
DRAFT



**PRELIMINARY SITE CHARACTERIZATION REPORT
AT THE ASH LANDFILL
APPENDICES**



DRAFT



PRELIMINARY SITE CHARACTERIZATION REPORT
AT THE ASH LANDFILL
APPENDICES

APPENDIX A

HISTORICAL GROUNDWATER MONITORING DATA

- SUMMARY FOR ALL WELLS
- INDIVIDUAL WELL HISTORIES

SUMMARY FOR ALL WELLS

SUMMARY OF GROUNDWATER HISTORICAL DATA

Parameters	Well: Units	PT-10	PT-11	PT-12	PT-15	PT-16	PT-17	PT-18	PT-20	PT-21	PT-22	PT-23	PT-24
VOLATILE ORGANICS													
Chloromethane	ug/L	7.5	30.4	4.6	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromomethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vinyl Chloride	ug/L	0.0	0.0	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chloroethane	ug/L	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methylene Chloride	ug/L	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
1,1-Dichloroethene	ug/L	0.0	0.2	0.8	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
1,1-Dichloroethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chloroform	ug/L	0.2	0.2	0.0	0.0	0.0	0.0	357.8	0.0	0.0	0.0	0.0	0.0
1,2-Dichloroethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	6.3	0.0	0.0
1,1,1-Trichloroethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.9	16.1
Carbon Tetrachloride	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromodichloromethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2-Dichloropropane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cis-1,3-Dichloropropene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trichloroethene	ug/L	0.0	0.3	957.5	0.4	0.0	264.0	10634.4	35.3	1.3	102.4	0.0	5.8
Dibromochloromethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,1,2-Trichloroethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Benzene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
trans-1,3-Dichloropropene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromoform	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tetrachloroethene	ug/L	0.0	0.0	0.0	0.0	0.0	2.0	27.8	0.0	0.6	0.0	0.0	0.0
1,1,2,2-Tetrachloroethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Toluene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chlorobenzene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethylbenzene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-Chloroethylvinyl Ether	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,3-Dichlorobenzene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2-Dichlorobenzene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,4-Dichlorobenzene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
trans-1,2-Dichloroethene	ug/L	0.0	0.0	19.4	0.0	0.0	0.0	0.3	0.0	0.0	1.8	0.0	0.0
Trichlorofluoromethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
METALS													
Arsenic	mg/L	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barium	mg/L	0.11	1.10	0.03	0.149	0.06	0.03	0.02	0.00	0.62	0.00	0.02	0.04
Cadmium	mg/L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chromium	mg/L	0.000	0.050	0.002	0.04	0.014	0.004	0.001	0.001	0.040	0.003	0.002	0.026
Iron	mg/L	0.21	84.56	3.02	41.20	21.78	5.55	3.94	4.56	42.92	5.98	7.30	22.97
Lead	mg/L	0.000	0.022	0.020	0.004	0.000	0.000	0.000	0.000	0.014	0.000	0.000	0.011
Potassium	mg/L	2.18	11.04	2.66	6.43	2.48	1.29	2.55	2.10	27.55	2.06	3.12	2.65
Selenium	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Silver	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sodium	mg/L	39.37	45.76	81.13	30.20	5.57	22.34	98.50	37.23	38.80	60.73	5.56	15.07
Mercury	mg/L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MISC. COMPOUNDS													
Total Organic Halogens (TOX)	ug/L	17.00	22.66	812.43	6.33	17.00	112.40	2083.75	34.00	25.50	108.77	13.33	32.27
Chloride	mg/L	64.5	45.0	119.0	11.0	16.3	42.5	72.7	29.8	68.6	81.4	11.8	21.2
Conductance (field)	umhos/cm	750	918	1459	461	506	633	1429	796	797	975	503	550
Nitrate (as N)	mg/L	0.01	0.27	0.49	0.22	0.89	0.51	0.00	0.18	0.43	0.14	0.04	0.34
pH (Lab)	standard	7.57	7.48	7.15	7.82	7.40	7.40	7.05	7.13	7.85	7.27	7.43	7.30
pH (field)	standard	6.96	6.99	6.77	7.19	7.06	6.99	6.81	7.05	7.29	7.12	7.04	7.03
Sulfate	mg/L	26.9	146.3	287.3	52.7	55.4	72.4	275.6	138.5	153.0	158.7	57.3	112.7
TOC	mg/L	6.5	17.1	10.5	0.7	11.4	10.1	17.5	9.1	6.1	9.8	8.5	9.9
Temperature	Celcius	11.1	10.4	11.0	10.3	10.0	10.8	10.8	10.9	10.4	9.9	10.6	11.3

SUMMARY OF GROUNDWATER HISTORICAL DATA

Parameters	Well: Units	PT-25	PT-26	MW-27	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33	FH-SHAL	FH-DEEP	FH-BARN
VOLATILE ORGANICS													
Chloromethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromomethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vinyl Chloride	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chloroethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methylene Chloride	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,1-Dichloroethene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,1-Dichloroethane	ug/L	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chloroform	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2-Dichloroethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,1,1-Trichloroethane	ug/L	0.1	0.5	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Carbon Tetrachloride	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromodichloromethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2-Dichloropropane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
cis-1,3-Dichloropropene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trichloroethene	ug/L	0.0	0.2	0.0	31.9	0.3	0.3	0.0	0.0	0.0	0.1	0.0	0.0
Dibromochloromethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,1,2-Trichloroethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Benzene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
trans-1,3-Dichloropropene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bromoform	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tetrachloroethene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,1,2,2-Tetrachloroethane	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Toluene	ug/L	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chlorobenzene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethylbenzene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-Chloroethylvinyl Ether	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,3-Dichlorobenzene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,2-Dichlorobenzene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1,4-Dichlorobenzene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
trans-1,2-Dichloroethene	ug/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trichlorofluoromethane	ug/L	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
METALS													
Arsenic	mg/L	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barium	mg/L	0.04	0.26	0.00	0.16	0.23	0.05	0.16	0.07	0.11	0.01	0.41	0.03
Cadmium	mg/L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Chromium	mg/L	0.006	0.044	0.000	0.030	0.043	0.000	0.037	0.000	0.000	0.000	0.000	0.000
Iron	mg/L	15.97	58.23	0.00	53.90	69.50	7.08	59.60	18.50	38.80	0.01	0.33	0.18
Lead	mg/L	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Potassium	mg/L	2.78	6.12	0.00	4.67	5.00	2.38	4.87	3.05	3.34	8.20	1.17	5.26
Selenium	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Silver	mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sodium	mg/L	18.83	49.00	0.00	8.19	16.10	15.80	8.70	13.90	12.50	32.40	158.00	3.96
Mercury	mg/L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MISC. COMPOUNDS													
Total Organic Halogens (TOX)	ug/L	18.00	43.75	0.00	57.00	37.00	0.00	0.00	0.00	17.00	16.74	32.40	13.60
Chloride	mg/L	24.6	24.2	0.0	23.6	18.7	26.6	19.7	24.6	18.7	8.4	14.3	16.9
Conductance (field)	umhos/cm	477	673	663	548	614	585	508	614	531	474	715	648
Nitrate (as N)	mg/L	2.03	0.31	0.00	0.07	0.46	0.05	0.15	0.47	0.81	2.85	0.03	7.73
pH (Lab)	standard	7.10	7.48	0.00	7.20	7.20	7.30	7.30	7.20	7.20	7.35	8.70	7.55
pH (field)	standard	7.07	7.15	7.04	7.13	6.99	7.29	7.15	7.21	7.22	7.54	7.41	7.41
Sulfate	mg/L	47.5	113.3	0.0	109.6	65.0	35.7	62.6	52.0	101.5	58.9	52.3	91.1
TOC	mg/L	10.6	17.4	0.0	63.0	75.0	13.6	52.0	13.3	17.6	13.7	9.6	8.9
Temperature	Celcius	10.2	11.0	11.5	11.4	9.9	8.9	9.9	10.3	10.3	14.2	12.8	9.8

INDIVIDUAL WELL HISTORIES

HISTORICAL DATA MONITORING WELL PT-10

Parameters	Source: Units	Galson OCT 1987	Galson Mar 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	AVERAGE
VOLATILE ORGANICS													
Chloromethane	ug/L	ND	--	ND	ND	ND	41.0	ND	34.0	ND	ND	ND	7.5
Bromomethane	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	--	ND	ND	ND	ND	2.0	ND	ND	ND	ND	0.2
1,2-Dichloroethane	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Dibromochloromethane	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
METALS													
Arsenic	mg/L	ND	ND	--	ND	--	ND	--	ND	--	ND	--	0.00
Barium	mg/L	0.22	ND	--	ND	--	ND	--	0.23	--	0.19	--	0.11
Cadmium	mg/L	0.001	ND	--	ND	--	ND	--	ND	--	ND	--	0.000
Chromium	mg/L	ND	ND	--	0.000	--	ND	--	ND	--	ND	--	0.000
Iron	mg/L	ND	ND	--	0.25	--	0.64	--	0.14	--	0.24	--	0.21
Lead	mg/L	ND	ND	--	ND	--	ND	--	ND	--	ND	--	0.000
Potassium	mg/L	2.52	2.20	--	1.30	--	2.20	--	2.56	--	2.31	--	2.18
Selenium	mg/L	ND	ND	--	ND	--	ND	--	ND	--	ND	--	0.00
Silver	mg/L	ND	ND	--	ND	--	ND	--	ND	--	ND	--	0.00
Sodium	mg/L	47.00	35.00	--	38.00	--	38.00	--	38.20	--	40.00	--	39.37
Mercury	mg/L	ND	ND	--	ND	--	ND	--	ND	--	ND	--	0.000
MISCELLANEOUS COMPOUNDS													
Total Organic Halogens (TOX)	ug/L	--	--	--	ND	--	--	--	ND	--	51.00	--	17.00
Chloride	mg/L	68.0	61.0	--	69.0	--	65.6	--	55.2	--	67.9	--	64.5
Conductance (field)	umhos/cm	800	760	--	530	860	610	740	690	941	837	930	750
Nitrate (as N)	mg/L	ND	0.04	--	ND	--	ND	--	ND	--	ND	--	0.01
pH (Lab)	standard	7.30	8.00	--	7.40	--	7.50	--	7.40	--	7.80	--	7.57
pH (field)	standard	7.70	--	7.05	7.17	7.11	7.55	6.50	--	6.18	6.12	7.23	6.96
Sulfate	mg/L	18.0	38.0	--	17.0	--	36.0	--	35.2	--	17.1	--	26.9
TOC	mg/L	1.1	2.0	--	20.0	--	ND	--	5.3	--	10.8	--	6.5
Temperature	Celsius	--	--	10.0	7.0	13.0	12.0	10.0	10.0	--	16.0	11.0	11.1

HISTORICAL DATA MONITORING WELL PT-11

Parameters	Source: Units	Galsion OCT 1987	Galsion Mar 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	AVERAGE
VOLATILE ORGANICS													
Chloromethane	ug/L	ND	--	ND	ND	ND	270.0	ND	--	ND	3.2	ND	30.4
Bromomethane	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Chloroethane	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	--	1.5	ND	ND	ND	ND	--	ND	ND	ND	0.2
1,1-Dichloroethane	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Chloroform	ug/L	ND	--	ND	ND	ND	ND	2.0	--	ND	ND	ND	0.2
1,2-Dichloroethane	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Trichloroethene	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	2.7	ND	0.3
Dibromochloromethane	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Benzene	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Bromoform	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Toluene	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	0.0
METALS													
Arsenic	mg/L	ND	ND	--	ND	--	0.04	--	--	--	ND	--	0.01
Barium	mg/L	0.08	0.10	--	2.10	--	3.00	--	--	--	0.23	--	1.10
Cadmium	mg/L	ND	ND	--	ND	--	ND	--	--	--	ND	--	0.000
Chromium	mg/L	ND	ND	--	ND	--	0.250	--	--	--	ND	--	0.050
Iron	mg/L	ND	ND	--	140.00	--	270.00	--	--	--	12.80	--	84.56
Lead	mg/L	ND	ND	--	0.050	--	0.060	--	--	--	ND	--	0.022
Potassium	mg/L	2.63	2.10	--	20.00	--	26.00	--	--	--	4.47	--	11.04
Selenium	mg/L	ND	ND	--	ND	--	ND	--	--	--	ND	--	0.00
Silver	mg/L	ND	ND	--	ND	--	ND	--	--	--	ND	--	0.00
Sodium	mg/L	59.00	46.00	--	54.00	--	30.00	--	--	--	39.80	--	45.76
Mercury	mg/L	ND	ND	--	ND	--	ND	--	--	--	ND	--	0.000
MISCELLANEOUS COMPOUNDS													
Total Organic Halogens (TOX)	ug/L	33.00	10.00	--	10.30	--	--	28.00	--	--	32.00	--	22.66
Chloride	mg/L	49.0	46.0	--	40.0	--	48.2	--	--	--	42.0	--	45.0
Conductance (field)	umhos/cm	1200	770	490	740	1200	720	840	--	1112	995	1110	918
Nitrate (as N)	mg/L	0.10	0.12	--	0.34	--	0.27	--	--	--	0.50	--	0.27
pH (Lab)	standard	7.20	7.80	--	7.40	--	7.40	--	--	--	7.60	--	7.48
pH (field)	standard	8.10	--	6.50	7.22	7.22	7.40	6.40	--	6.34	6.30	7.40	6.99
Sulfate	mg/L	160.0	190.0	--	170.0	--	68.0	--	--	--	143.4	--	146.3
TOC	mg/L	2.7	4.4	--	52.0	--	17.0	--	--	--	9.4	--	17.1
Temperature	Celsius	--	--	9.0	8.0	13.0	14.0	8.0	--	11.0	13.0	7.0	10.4

HISTORICAL DATA MONITORING WELL PT-12

Parameters	Source: Units	Galson Aug 1987	Galson OCT 1987	Galson Mar 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	AVERAGE
VOLATILE ORGANICS														
Chloromethane	ug/L	ND	ND	-	ND	ND	ND	51.0	ND	ND	ND	ND	ND	4.6
Bromomethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	-	7.0	ND	ND	140.0	ND	ND	35.0	160.0	1.5	31.2
Chloroethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	30.0	ND	ND	2.7
Methylene Chloride	ug/L	ND	ND	-	ND	ND	ND	ND	ND	2.0	ND	ND	ND	0.2
1,1-Dichloroethene	ug/L	ND	ND	-	1.5	ND	ND	ND	ND	ND	ND	7.2	ND	0.8
1,1-Dichloroethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	1700.0	94.0	-	129.0	100.0	790.0	3100.0	870.0	130.0	2100.0	1350.0	170.0	957.5
Dibromochloromethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	95.0	-	ND	ND	ND	ND	ND	1.0	51.0	63.2	2.7	19.4
Trichlorofluoromethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
METALS														
Arsenic	mg/L	-	ND	ND	-	ND	-	ND	-	ND	-	ND	-	0.00
Barium	mg/L	-	0.05	0.03	-	ND	-	ND	-	0.04	-	0.07	-	0.03
Cadmium	mg/L	-	ND	ND	-	ND	-	ND	-	ND	-	ND	-	0.000
Chromium	mg/L	-	ND	ND	-	0.010	-	ND	-	ND	-	ND	-	0.002
Iron	mg/L	-	ND	ND	-	4.50	-	7.80	-	2.03	-	3.76	-	3.02
Lead	mg/L	-	ND	0.120	-	ND	-	ND	-	ND	-	ND	-	0.020
Potassium	mg/L	-	2.58	1.80	-	ND	-	5.90	-	2.39	-	3.26	-	2.66
Selenium	mg/L	-	ND	ND	-	ND	-	ND	-	ND	-	ND	-	0.00
Silver	mg/L	-	ND	ND	-	ND	-	ND	-	ND	-	ND	-	0.00
Sodium	mg/L	-	100.00	45.00	-	37.00	-	160.00	-	15.80	-	129.00	-	81.13
Mercury	mg/L	-	ND	ND	-	ND	-	ND	-	ND	-	ND	-	0.000
MISCELLANEOUS COMPOUNDS														
Total Organic Halogens (TOX)	ug/L	2080.00	180.00	85.00	-	150.00	-	-	870.00	600.00	-	1722.00	-	812.43
Chloride	mg/L	-	158.0	40.0	-	36.0	-	202.0	-	13.8	-	264.0	-	119.0
Conductance (field)	umhos/cm	-	1300	1400	520	460	2700	2500	860	760	2220	2250	1080	1459
Nitrate (as N)	mg/L	-	0.33	1.40	-	0.44	-	0.21	-	0.32	-	0.24	-	0.49
pH (Lab)	standard	-	7.00	7.80	-	7.10	-	7.00	-	7.00	-	7.00	-	7.15
pH (field)	standard	-	7.00	-	6.75	6.75	6.84	7.05	6.25	7.44	6.32	6.30	7.01	6.77
Sulfate	mg/L	-	289.0	300.0	-	250.0	-	388.0	-	159.5	-	337.5	-	287.3
TOC	mg/L	-	2.9	2.4	-	33.0	-	7.0	-	9.8	-	8.1	-	10.5
Temperature	Celcius	-	-	-	15.0	3.0	15.0	14.0	8.0	7.0	12.0	15.0	10.0	11.0

HISTORICAL DATA MONITORING WELL PT-15

Parameters	Source: Units	Galson Aug 1987	Galson OCT 1987	Galson Mar 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	AVERAGE
VOLATILE ORGANICS														
Chloromethane	ug/L	ND	ND	-	ND	ND	ND	210.0	ND	-	ND	ND	ND	21.0
Bromomethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Trichloroethene	ug/L	ND	ND	-	2.4	ND	ND	2.0	ND	-	ND	ND	ND	0.4
Dibromochloromethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	-	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
METALS														
Arsenic	mg/L	-	ND	ND	-	ND	-	ND	-	-	-	ND	-	0.00
Barium	mg/L	-	0.09	0.01	-	0.630	-	ND	-	-	-	0.157	-	0.149
Cadmium	mg/L	-	ND	ND	-	0.002	-	ND	-	-	-	ND	-	0.000
Chromium	mg/L	-	ND	ND	-	0.12	-	0.09	-	-	-	ND	-	0.04
Iron	mg/L	-	ND	ND	-	97.00	-	98.00	-	-	-	11.00	-	41.20
Lead	mg/L	-	ND	ND	-	0.024	-	ND	-	-	-	ND	-	0.004
Potassium	mg/L	-	2.09	1.70	-	12.00	-	12.00	-	-	-	4.36	-	6.43
Selenium	mg/L	-	ND	ND	-	ND	-	ND	-	-	-	ND	-	0.00
Silver	mg/L	-	ND	ND	-	ND	-	ND	-	-	-	ND	-	0.00
Sodium	mg/L	-	36.00	28.00	-	28.00	-	27.00	-	-	-	32.00	-	30.20
Mercury	mg/L	-	ND	ND	-	ND	-	ND	-	-	-	ND	-	0.000
MISCELLANEOUS COMPOUNDS														
Total Organic Halogens (TOX)	ug/L	ND	ND	10.00	-	ND	-	-	12.00	-	-	18.00	-	6.33
Chloride	mg/L	-	8.0	13.0	-	18.0	-	8.7	-	-	-	7.5	-	11.0
Conductance (field)	umhos/cm	-	410	520	250	350	480	380	420	-	580	615	600	461
Nitrate (as N)	mg/L	-	0.13	0.16	-	0.28	-	0.12	-	-	-	0.39	-	0.22
pH (Lab)	standard	-	7.50	8.30	-	7.70	-	7.70	-	-	-	7.90	-	7.82
pH (field)	standard	-	7.70	-	7.15	7.54	7.42	7.65	6.25	-	6.68	6.76	7.58	7.19
Sulfate	mg/L	-	45.0	57.0	-	50.0	-	44.4	-	-	-	67.0	-	52.7
TOC	mg/L	-	1.1	4.8	-	29.0	-	ND	-	-	-	5.5	-	0.7
Temperature	Celcius	-	-	-	9.0	7.0	13.0	14.0	8.0	-	10.0	13.0	8.0	10.3

HISTORICAL DATA MONITORING WELL PT-16

Parameters	Source: Units	Galson Mar 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	AVERAGE
VOLATILE ORGANICS												
Chloromethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromomethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Dibromochloromethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
METALS												
Arsenic	mg/L	ND	-	ND	-	ND	-	ND	-	ND	-	0.00
Barium	mg/L	0.09	-	ND	-	ND	-	ND	-	0.22	-	0.06
Cadmium	mg/L	ND	-	ND	-	ND	-	ND	-	ND	-	0.000
Chromium	mg/L	ND	-	0.013	-	ND	-	ND	-	0.057	-	0.014
Iron	mg/L	ND	-	12.00	-	22.00	-	11.10	-	63.80	-	21.78
Lead	mg/L	ND	-	ND	-	ND	-	ND	-	ND	-	0.000
Potassium	mg/L	0.60	-	ND	-	3.40	-	2.28	-	6.12	-	2.48
Selenium	mg/L	ND	-	ND	-	ND	-	ND	-	ND	-	0.00
Silver	mg/L	ND	-	ND	-	ND	-	ND	-	ND	-	0.00
Sodium	mg/L	4.40	-	5.20	-	6.30	-	4.33	-	7.63	-	5.57
Mercury	mg/L	ND	-	ND	-	ND	-	ND	-	ND	-	0.000
MISCELLANEOUS COMPOUNDS												
Total Organic Halogens (TOX)	ug/L	ND	-	44.00	-	-	-	24.00	-	17.00	-	17.00
Chloride	mg/L	18.0	-	17.0	-	13.5	-	16.7	-	16.2	-	16.3
Conductance (field)	umhos/cm	600	360	350	520	440	410	510	672	642	560	506
Nitrate (as N)	mg/L	0.77	-	2.45	-	0.49	-	0.34	-	0.40	-	0.89
pH (Lab)	standard	7.90	-	7.20	-	7.10	-	7.20	-	7.60	-	7.40
pH (field)	standard	-	6.75	7.35	7.31	7.35	6.20	7.86	6.57	6.82	7.36	7.06
Sulfate	mg/L	60.0	-	34.0	-	50.0	-	38.0	-	95.0	-	55.4
TOC	mg/L	9.4	-	22.0	-	8.5	-	5.7	-	ND	-	11.4
Temperature	Celcius	-	6.0	4.0	16.0	15.0	8.0	6.0	13.0	15.0	7.0	10.0

HISTORICAL DATA MONITORING WELL PT-17

Parameters	Source: Units	Galson Mar 1989	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	AVERAGE
VOLATILE ORGANICS												
Chloromethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromomethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	-	170.0	90.0	400.0	340.0	92.0	220.0	460.0	529.0	75.1	264.0
Dibromochloromethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	-	ND	ND	ND	ND	ND	18.0	ND	ND	ND	2.0
1,1,2,2-Tetrachloroethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
METALS												
Arsenic	mg/L	ND	-	ND	-	ND	-	ND	-	ND	-	0.00
Barium	mg/L	0.07	-	ND	-	ND	-	ND	-	0.09	-	0.03
Cadmium	mg/L	ND	-	ND	-	ND	-	ND	-	ND	-	0.000
Chromium	mg/L	ND	-	0.020	-	ND	-	ND	-	ND	-	0.004
Iron	mg/L	ND	-	17.00	-	1.10	-	ND	-	9.66	-	5.55
Lead	mg/L	ND	-	ND	-	ND	-	ND	-	ND	-	0.000
Potassium	mg/L	1.00	-	ND	-	3.20	-	ND	-	2.26	-	1.29
Selenium	mg/L	ND	-	ND	-	ND	-	ND	-	ND	-	0.00
Silver	mg/L	ND	-	ND	-	ND	-	ND	-	ND	-	0.00
Sodium	mg/L	29.00	-	23.00	-	29.00	-	ND	-	30.70	-	22.34
Mercury	mg/L	ND	-	ND	-	ND	-	ND	-	ND	-	0.000
MISCELLANEOUS COMPOUNDS												
Total Organic Halogens (TOX)	ug/L	42.00	-	ND	-	-	64.00	188.00	-	270.00	-	112.40
Chloride	mg/L	71.0	-	46.0	-	26.0	-	37.4	-	32.3	-	42.5
Conductance (field)	umhos/cm	730	370	340	610	620	660	635	845	723	800	633
Nitrate (as N)	mg/L	1.20	-	0.45	-	0.39	-	0.15	-	0.34	-	0.51
pH (Lab)	standard	8.00	-	7.10	-	7.10	-	7.20	-	7.60	-	7.40
pH (field)	standard	-	6.80	6.96	7.20	7.20	6.45	7.75	6.51	6.79	7.26	6.99
Sulfate	mg/L	86.0	-	110.0	-	20.0	-	73.7	-	72.4	-	72.4
TOC	mg/L	6.3	-	29.0	-	4.2	-	10.9	-	ND	-	10.1
Temperature	Celsius	-	8.5	5.0	14.0	15.0	9.0	7.0	13.0	18.0	8.0	10.8

HISTORICAL DATA MONITORING WELL PT-18

Parameters	Source: Units	NET	NET	NET	NET	NET	NET	NET	NET	NET	NET	AVERAGE	
		Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Mar 1991	June 1991	Sept 1991	Dec 1991			
VOLATILE ORGANICS													
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	0.2	
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Chloroform	ug/L	86.0	230.0	ND	610.0	700.0	490.0	490.0	457.0	157.0		357.8	
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Trichloroethene	ug/L	2500.0	7600.0	5900.0	17000.0	22000.0	15000.0	12000.0	10000.0	3710.0		10634.4	
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	2.6	ND		0.3	
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	250.0	ND	ND	ND		27.8	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
2-ChloroethylMyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0	0.3	
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
METALS													
Arsenic	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	0.00	
Barium	mg/L	-	ND	-	ND	-	0.05	-	0.04	-	ND	0.02	
Cadmium	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	0.000	
Chromium	mg/L	-	0.003	-	ND	-	ND	-	ND	-	ND	0.001	
Iron	mg/L	-	2.00	-	8.50	-	3.89	-	1.38	-	ND	3.94	
Lead	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	0.000	
Potassium	mg/L	-	ND	-	5.10	-	2.77	-	2.31	-	ND	2.55	
Selenium	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	0.00	
Silver	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	0.00	
Sodium	mg/L	-	86.00	-	99.00	-	102.00	-	107.00	-	ND	98.50	
Mercury	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	0.000	
MISCELLANEOUS COMPOUNDS													
Total Organic Halogens (TOX)	ug/L	-	333.00	-	-	-	1880.00	-	1700.00	-	4422.00	-	2083.75
Chloride	mg/L	-	72.0	-	-	-	75.2	-	76.8	-	66.8	-	72.7
Conductance (field)	umhos/cm	670	680	1800	1600	1400	1400	1400	1650	1560	2100		1429
Nitrate (as N)	mg/L	-	ND	-	ND	-	ND	-	ND	-	ND	-	0.00
pH (Lab)	standard	-	6.90	-	6.90	-	6.90	-	6.90	-	7.50	-	7.05
pH (field)	standard	6.70	6.80	6.89	7.00	6.50	7.32	6.54	6.69	6.86			6.81
Sulfate	mg/L	-	340.0	-	245.0	-	287.5	-	230.0	-	ND	-	275.6
TOC	mg/L	-	32.0	-	12.0	-	14.6	-	11.4	-	ND	-	17.5
Temperature	Celcius	8.0	5.0	15.0	14.0	10.0	8.0	13.0	15.0	9.0			10.8

HISTORICAL DATA MONITORING WELL PT-20

Parameters	Source: Units	NET	NET	NET	NET	NET	NET	NET	NET	NET	NET	AVERAGE
		Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Mar 1991	June 1991	Sept 1991	Dec 1991		
VOLATILE ORGANICS												
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	23.0	26.0	46.0	52.0	35.0	35.0	36.0	30.1	34.2	35.3	
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
METALS												
Arsenic	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.00
Barium	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.00
Cadmium	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.000
Chromium	mg/L	-	0.003	-	ND	-	ND	-	-	-	-	0.001
Iron	mg/L	-	1.60	-	8.60	-	3.48	-	-	-	-	4.56
Lead	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.000
Potassium	mg/L	-	ND	-	4.50	-	1.79	-	-	-	-	2.10
Selenium	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.00
Silver	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.00
Sodium	mg/L	-	35.00	-	44.00	-	32.70	-	-	-	-	37.23
Mercury	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.000
MISCELLANEOUS COMPOUNDS												
Total Organic Halogens (TOX)	ug/L	-	-	-	-	24.00	44.00	-	-	-	-	34.00
Chloride	mg/L	-	24.0	-	47.7	-	17.7	-	-	-	-	29.8
Conductance (field)	umhos/cm	685	360	720	880	660	680	1030	1110	1040	796	
Nitrate (as N)	mg/L	-	0.36	-	0.09	-	0.09	-	-	-	-	0.18
pH (Lab)	standard	-	7.10	-	7.10	-	7.20	-	-	-	-	7.13
pH (field)	standard	6.85	7.16	7.26	7.15	6.65	7.58	6.74	6.88	7.20	7.05	
Sulfate	mg/L	-	150.0	-	161.0	-	104.5	-	-	-	-	138.5
TOC	mg/L	-	16.0	-	3.4	-	8.0	-	-	-	-	9.1
Temperature	Celcius	8.0	4.0	14.0	15.0	9.0	7.0	13.0	18.0	10.0	10.9	

HISTORICAL DATA MONITORING WELL PT-21

Parameters	Source: Units	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	AVERAGE
VOLATILE ORGANICS											
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	1.0	ND	ND	ND	0.1
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	2.0	ND	ND	ND	ND	0.2
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	ND	ND	ND	1.0	3.0	3.0	2.0	ND	2.5	1.3
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	ND	5.0	ND	ND	ND	ND	0.6
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
METALS											
Arsenic	mg/L	-	-	-	ND	-	ND	-	-	-	0.00
Barium	mg/L	-	-	-	1.10	-	0.14	-	-	-	0.62
Cadmium	mg/L	-	-	-	ND	-	ND	-	-	-	0.000
Chromium	mg/L	-	-	-	0.080	-	ND	-	-	-	0.040
Iron	mg/L	-	-	-	85.00	-	0.84	-	-	-	42.92
Lead	mg/L	-	-	-	0.027	-	ND	-	-	-	0.014
Potassium	mg/L	-	-	-	9.50	-	45.60	-	-	-	27.55
Selenium	mg/L	-	-	-	ND	-	ND	-	-	-	0.00
Silver	mg/L	-	-	-	ND	-	ND	-	-	-	0.00
Sodium	mg/L	-	-	-	32.00	-	45.60	-	-	-	38.80
Mercury	mg/L	-	-	-	ND	-	ND	-	-	-	0.000
MISCELLANEOUS COMPOUNDS											
Total Organic Halogens (TOX)	ug/L	-	-	-	-	31.00	20.00	-	-	-	25.50
Chloride	mg/L	-	-	-	74.2	-	63.0	-	-	-	68.6
Conductance (field)	umhos/cm	460	400	670	750	900	780	980	1100	1130	797
Nitrate (as N)	mg/L	-	-	-	0.60	-	0.26	-	-	-	0.43
pH (Lab)	standard	-	-	-	7.70	-	8.00	-	-	-	7.85
pH (field)	standard	6.95	7.37	7.40	7.45	6.85	8.39	6.86	7.06	7.24	7.29
Sulfate	mg/L	-	-	-	136.0	-	170.0	-	-	-	153.0
TOC	mg/L	-	-	-	6.6	-	5.5	-	-	-	6.1
Temperature	Celsius	10.0	8.0	13.0	14.0	8.0	8.0	11.0	12.0	10.0	10.4

HISTORICAL DATA MONITORING WELL PT-22

Parameters	Source: Units	NET	NET	NET	NET	NET	NET	NET	NET	NET	NET	AVERAGE
		Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Mar 1991	June 1991	Sept 1991	Dec 1991		
VOLATILE ORGANICS												
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	6.0	ND	ND	ND	ND	ND	ND	ND	0.7
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	7.0	6.0	10.0	8.0	7.0	8.0	8.0	ND	3.0	6.3	
1,1,1-Trichloroethane	ug/L	1.0	ND	ND	ND	ND	1.0	ND	ND	1.3	0.4	
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Trichloroethene	ug/L	87.0	100.0	200.0	87.0	93.0	110.0	100.0	74.9	69.3	102.4	
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
trans-1,2-Dichloroethene	ug/L	4.0	ND	ND	ND	4.0	4.0	3.0	ND	1.4	1.8	
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
METALS												
Arsenic	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.00
Barium	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.00
Cadmium	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.000
Chromium	mg/L	-	0.008	-	ND	-	ND	-	-	-	-	0.003
Iron	mg/L	-	5.20	-	9.90	-	2.84	-	-	-	-	5.98
Lead	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.000
Potassium	mg/L	-	ND	-	4.60	-	1.59	-	-	-	-	2.06
Selenium	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.00
Silver	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.00
Sodium	mg/L	-	60.00	-	68.00	-	54.20	-	-	-	-	60.73
Mercury	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.000
MISCELLANEOUS COMPOUNDS												
Total Organic Halogens (TOX)	ug/L	-	40.30	-	-	114.00	172.00	-	-	-	-	108.77
Chloride	mg/L	-	68.0	-	124.0	-	52.2	-	-	-	-	81.4
Conductance (field)	umhos/cm	570	460	860	1200	800	800	1290	1375	1420	-	975
Nitrate (as N)	mg/L	-	0.25	-	0.04	-	0.13	-	-	-	-	0.14
pH (Lab)	standard	-	7.10	-	7.30	-	7.40	-	-	-	-	7.27
pH (field)	standard	6.90	7.38	7.15	7.25	6.80	7.37	6.81	7.04	7.40	-	7.12
Sulfate	mg/L	-	180.0	-	163.0	-	133.0	-	-	-	-	158.7
TOC	mg/L	-	18.0	-	3.2	-	8.3	-	-	-	-	9.8
Temperature	Celsius	8.0	6.0	15.0	14.0	7.0	6.0	12.0	15.0	6.0	-	9.9

HISTORICAL DATA MONITORING WELL PT-23

Parameters	Source: Units	NET	NET	NET	NET	NET	NET	NET	NET	NET	NET	AVERAGE
		Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Mar 1991	June 1991	Sept 1991	Dec 1991		
VOLATILE ORGANICS												
Chloromethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Bromomethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Chloroethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Chloroform	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	7.9	0.9	
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Trichloroethene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Benzene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Bromoform	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Toluene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0	
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	3.0	0.4	
METALS												
Arsenic	mg/L	-	ND	-	ND	-	-	-	ND	-	0.00	
Barium	mg/L	-	ND	-	ND	-	-	-	0.07	-	0.02	
Cadmium	mg/L	-	ND	-	ND	-	-	-	ND	-	0.000	
Chromium	mg/L	-	0.005	-	ND	-	-	-	ND	-	0.002	
Iron	mg/L	-	3.20	-	16.00	-	-	-	2.71	-	7.30	
Lead	mg/L	-	ND	-	ND	-	-	-	ND	-	0.000	
Potassium	mg/L	-	1.20	-	5.40	-	-	-	2.77	-	3.12	
Selenium	mg/L	-	ND	-	ND	-	-	-	ND	-	0.00	
Silver	mg/L	-	ND	-	ND	-	-	-	ND	-	0.00	
Sodium	mg/L	-	4.90	-	5.10	-	-	-	6.69	-	5.56	
Mercury	mg/L	-	ND	-	ND	-	-	-	ND	-	0.000	
MISCELLANEOUS COMPOUNDS												
Total Organic Halogens (TOX)	ug/L	-	ND	-	12.00	-	-	-	28.00	-	13.33	
Chloride	mg/L	-	10.0	-	14.5	-	-	-	10.8	-	11.8	
Conductance (field)	umhos/cm	310	280	490	500	490	-	655	626	670	503	
Nitrate (as N)	mg/L	-	ND	-	0.06	-	-	-	0.06	-	0.04	
pH (Lab)	standard	-	7.30	-	7.30	-	-	-	7.70	-	7.43	
pH (field)	standard	6.85	7.45	7.23	7.30	6.25	-	6.62	7.20	7.38	7.04	
Sulfate	mg/L	-	80.0	-	49.0	-	-	-	43.0	-	57.3	
TOC	mg/L	-	22.0	-	ND	-	-	-	3.4	-	8.5	
Temperature	Celcius	8.0	4.0	14.0	14.0	8.0	-	13.0	15.0	9.0	10.6	

HISTORICAL DATA MONITORING WELL PT-24

Parameters	Source: Units	NET	NET	NET	NET	NET	NET	NET	NET	NET	NET	AVERAGE
		Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Mar 1991	June 1991	Sept 1991	Dec 1991		
VOLATILE ORGANICS												
Chloromethane	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	ND	1.0	1.0	--	1.0	ND	126.0	ND	16.1
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	4.0	6.0	9.0	2.0	6.0	--	8.0	8.6	2.8	ND	5.8
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.0
METALS												
Arsenic	mg/L	--	ND	--	ND	--	--	--	ND	--	--	0.00
Barium	mg/L	--	ND	--	ND	--	--	--	0.13	--	--	0.04
Cadmium	mg/L	--	ND	--	ND	--	--	--	ND	--	--	0.000
Chromium	mg/L	--	0.041	--	ND	--	--	--	0.037	--	--	0.026
Iron	mg/L	--	34.00	--	1.20	--	--	--	33.70	--	--	22.97
Lead	mg/L	--	0.013	--	ND	--	--	--	0.020	--	--	0.011
Potassium	mg/L	--	ND	--	2.10	--	--	--	5.85	--	--	2.65
Selenium	mg/L	--	ND	--	ND	--	--	--	ND	--	--	0.00
Silver	mg/L	--	ND	--	ND	--	--	--	ND	--	--	0.00
Sodium	mg/L	--	15.00	--	14.00	--	--	--	16.20	--	--	15.07
Mercury	mg/L	--	ND	--	ND	--	--	--	ND	--	--	0.000
MISCELLANEOUS COMPOUNDS												
Total Organic Halogens (TOX)	ug/L	--	13.80	--	--	54.00	--	--	29.00	--	--	32.27
Chloride	mg/L	--	30.0	--	17.4	--	--	--	16.2	--	--	21.2
Conductance (field)	umhos/cm	350	330	510	500	540	--	725	708	740	--	550
Nitrate (as N)	mg/L	--	0.26	--	0.34	--	--	--	0.43	--	--	0.34
pH (Lab)	standard	--	7.20	--	7.00	--	--	--	7.70	--	--	7.30
pH (field)	standard	6.80	7.44	7.25	7.30	6.35	--	6.62	7.19	7.28	--	7.03
Sulfate	mg/L	--	120.0	--	125.0	--	--	--	93.0	--	--	112.7
TOC	mg/L	--	16.0	--	4.4	--	--	--	9.2	--	--	9.9
Temperature	Celcius	7.5	7.0	15.0	16.0	9.0	--	13.0	15.0	8.0	--	11.3

HISTORICAL DATA MONITORING WELL PT-25

Parameters	Source: Units	NET	NET	NET	NET	NET	NET	NET	NET	NET	NET	AVERAGE
		Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Mar 1991	June 1991	Sept 1991	Dec 1991		
VOLATILE ORGANICS												
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	0.1
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
METALS												
Arsenic	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.00
Barium	mg/L	-	ND	-	ND	-	0.11	-	-	-	-	0.04
Cadmium	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.000
Chromium	mg/L	-	0.018	-	ND	-	ND	-	-	-	-	0.006
Iron	mg/L	-	17.00	-	7.50	-	23.40	-	-	-	-	15.97
Lead	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.000
Potassium	mg/L	-	ND	-	4.00	-	4.33	-	-	-	-	2.78
Selenium	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.00
Silver	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.00
Sodium	mg/L	-	23.00	-	17.00	-	16.50	-	-	-	-	18.83
Mercury	mg/L	-	ND	-	ND	-	ND	-	-	-	-	0.000
MISCELLANEOUS COMPOUNDS												
Total Organic Halogens (TOX)	ug/L	-	-	-	-	24.00	12.00	-	-	-	-	18.00
Chloride	mg/L	-	30.0	-	21.2	-	22.6	-	-	-	-	24.6
Conductance (field)	umhos/cm	320	380	540	490	330	510	695	-	550	-	477
Nitrate (as N)	mg/L	-	2.75	-	2.40	-	0.94	-	-	-	-	2.03
pH (Lab)	standard	-	7.10	-	7.10	-	7.10	-	-	-	-	7.10
pH (field)	standard	6.90	7.29	7.22	7.20	6.45	7.55	6.63	-	7.35	-	7.07
Sulfate	mg/L	-	45.0	-	50.0	-	47.4	-	-	-	-	47.5
TOC	mg/L	-	24.0	-	ND	-	7.9	-	-	-	-	10.6
Temperature	Celcius	8.0	7.0	14.0	15.0	8.0	6.0	11.0	15.0	8.0	-	10.2

HISTORICAL DATA MONITORING WELL PT-26

Parameters	Source: Units	NET	NET	NET	NET	NET	NET	NET	NET	NET	AVERAGE
		Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Mar 1991	June 1991	Sept 1991	Dec 1991	
VOLATILE ORGANICS											
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	4.1	0.5
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	ND	ND	ND	ND	ND	ND	1.8	ND	ND	0.2
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	ND	ND	1.0	ND	ND	ND	ND	0.1
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	1.7	0.2
METALS											
Arsenic	mg/L	-	ND	-	ND	-	0.05	-	ND	-	0.01
Barium	mg/L	-	0.43	-	ND	-	0.45	-	0.17	-	0.26
Cadmium	mg/L	-	ND	-	ND	-	ND	-	ND	-	0.000
Chromium	mg/L	-	0.087	-	ND	-	0.087	-	ND	-	0.044
Iron	mg/L	-	86.00	-	10.00	-	108.00	-	28.90	-	58.23
Lead	mg/L	-	0.014	-	ND	-	ND	-	ND	-	0.004
Potassium	mg/L	-	5.90	-	4.00	-	9.90	-	4.66	-	6.12
Selenium	mg/L	-	ND	-	ND	-	ND	-	ND	-	0.00
Silver	mg/L	-	ND	-	ND	-	ND	-	ND	-	0.00
Sodium	mg/L	-	22.00	-	67.00	-	23.20	-	83.80	-	49.00
Mercury	mg/L	-	ND	-	ND	-	ND	-	ND	-	0.000
MISCELLANEOUS COMPOUNDS											
Total Organic Halogens (TOX)	ug/L	-	25.00	-	-	-	56.00	-	94.00	-	43.75
Chloride	mg/L	-	6.0	-	29.9	-	15.7	-	45.3	-	24.2
Conductance (field)	umhos/cm	520	400	730	560	730	750	850	711	810	673
Nitrate (as N)	mg/L	-	0.43	-	0.35	-	0.35	-	0.10	-	0.31
pH (Lab)	standard	-	7.30	-	7.50	-	7.30	-	7.80	-	7.48
pH (field)	standard	7.10	7.41	7.24	7.30	6.45	7.50	6.51	7.32	7.54	7.15
Sulfate	mg/L	-	150.0	-	80.0	-	120.5	-	102.5	-	113.3
TOC	mg/L	-	26.0	-	8.8	-	23.0	-	11.6	-	17.4
Temperature	Celcius	9.0	6.0	14.0	15.0	8.0	7.0	12.0	18.0	10.0	11.0

HISTORICAL DATA MONITORING WELL MW-27

Parameters	Source: Units	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	AVERAGE
VOLATILE ORGANICS											
Chloromethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Trichloroethene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	-	ND	ND	ND	0.0
METALS											
Arsenic	mg/L	-	-	-	-	-	-	-	-	-	0.00
Barium	mg/L	-	-	-	-	-	-	-	-	-	0.00
Cadmium	mg/L	-	-	-	-	-	-	-	-	-	0.0000
Chromium	mg/L	-	-	-	-	-	-	-	-	-	0.0000
Iron	mg/L	-	-	-	-	-	-	-	-	-	0.00
Lead	mg/L	-	-	-	-	-	-	-	-	-	0.0000
Potassium	mg/L	-	-	-	-	-	-	-	-	-	0.00
Selenium	mg/L	-	-	-	-	-	-	-	-	-	0.00
Silver	mg/L	-	-	-	-	-	-	-	-	-	0.00
Sodium	mg/L	-	-	-	-	-	-	-	-	-	0.00
Mercury	mg/L	-	-	-	-	-	-	-	-	-	0.0000
MISCELLANEOUS COMPOUNDS											
Total Organic Halogens (TOX)	ug/L	-	-	-	-	-	-	-	-	-	0.00
Chloride	mg/L	-	-	-	-	-	-	-	-	-	0.0
Conductance (field)	umhos/cm	480	470	650	560	560	-	855	860	870	663
Nitrate (as N)	mg/L	-	-	-	-	-	-	-	-	-	0.00
pH (Lab)	standard	-	-	-	-	-	-	-	-	-	0.00
pH (field)	standard	7.05	6.81	7.26	7.45	6.55	-	6.62	7.19	7.41	7.04
Sulfate	mg/L	-	-	-	-	-	-	-	-	-	0.0
TOC	mg/L	-	-	-	-	-	-	-	-	-	0.0
Temperature	Celsius	7.0	6.0	15.0	16.0	8.0	-	14.0	19.0	7.0	11.5

HISTORICAL DATA MONITORING WELL MW-28

Parameters	Source: Units	NET	NET	NET	NET	NET	NET	NET	NET	NET	AVERAGE
		Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Mar 1991	June 1991	Sept 1991	Dec 1991	
VOLATILE ORGANICS											
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	27.0	37.0	39.0	28.0	36.0	30.0	39.0	21.2	30.2	31.9
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
METALS											
Arsenic	mg/L	--	--	--	--	--	ND	--	--	--	0.00
Barium	mg/L	--	--	--	--	--	0.16	--	--	--	0.16
Cadmium	mg/L	--	--	--	--	--	ND	--	--	--	0.000
Chromium	mg/L	--	--	--	--	--	0.030	--	--	--	0.030
Iron	mg/L	--	--	--	--	--	53.90	--	--	--	53.90
Lead	mg/L	--	--	--	--	--	ND	--	--	--	0.000
Potassium	mg/L	--	--	--	--	--	4.67	--	--	--	4.67
Selenium	mg/L	--	--	--	--	--	ND	--	--	--	0.00
Silver	mg/L	--	--	--	--	--	ND	--	--	--	0.00
Sodium	mg/L	--	--	--	--	--	8.19	--	--	--	8.19
Mercury	mg/L	--	--	--	--	--	ND	--	--	--	0.000
MISCELLANEOUS COMPOUNDS											
Total Organic Halogens (TOX)	ug/L	--	--	--	--	--	57.00	--	--	--	57.00
Chloride	mg/L	--	--	--	--	--	23.8	--	--	--	23.8
Conductance (field)	umhos/cm	400	360	560	460	520	510	712	740	670	548
Nitrate (as N)	mg/L	--	--	--	--	--	0.07	--	--	--	0.07
pH (Lab)	standard	--	--	--	--	--	7.20	--	--	--	7.20
pH (field)	standard	6.90	6.90	7.20	7.35	6.70	7.95	6.65	7.22	7.34	7.13
Sulfate	mg/L	--	--	--	--	--	109.8	--	--	--	109.8
TOC	mg/L	--	--	--	--	--	63.0	--	--	--	63.0
Temperature	Celcius	7.0	7.0	15.0	16.0	9.0	7.0	13.0	18.0	11.0	11.4

HISTORICAL DATA MONITORING WELL MW-29

Parameters	Source: Units	NET	NET	NET	NET	NET	NET	NET	NET	NET	NET	AVERAGE
		Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Mar 1991	June 1991	Sept 1991	Dec 1991		
VOLATILE ORGANICS												
Chloromethane	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	-	ND	ND	1.0	-	ND	ND	0.1
Chloroform	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	ND	-	1.0	ND	2.0	-	ND	ND	0.4
Carbon Tetrachloride	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
Trichloroethene	ug/L	ND	ND	ND	-	ND	ND	1.0	-	ND	1.2	0.3
Dibromochloromethane	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
Benzene	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
Bromoform	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
Toluene	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	-	ND	ND	ND	-	ND	ND	0.0
METALS												
Arsenic	mg/L	-	-	-	-	-	ND	-	-	-	-	0.00
Barium	mg/L	-	-	-	-	-	0.23	-	-	-	-	0.23
Cadmium	mg/L	-	-	-	-	-	ND	-	-	-	-	0.000
Chromium	mg/L	-	-	-	-	-	0.043	-	-	-	-	0.043
Iron	mg/L	-	-	-	-	-	69.50	-	-	-	-	69.50
Lead	mg/L	-	-	-	-	-	ND	-	-	-	-	0.000
Potassium	mg/L	-	-	-	-	-	5.00	-	-	-	-	5.00
Selenium	mg/L	-	-	-	-	-	ND	-	-	-	-	0.00
Silver	mg/L	-	-	-	-	-	ND	-	-	-	-	0.00
Sodium	mg/L	-	-	-	-	-	16.10	-	-	-	-	16.10
Mercury	mg/L	-	-	-	-	-	ND	-	-	-	-	0.000
MISCELLANEOUS COMPOUNDS												
Total Organic Halogens (TOX)	ug/L	-	-	-	-	-	37.00	-	-	-	-	37.00
Chloride	mg/L	-	-	-	-	-	18.7	-	-	-	-	18.7
Conductance (field)	umhos/cm	440	420	580	-	550	620	830	-	-	860	614
Nitrate (as N)	mg/L	-	-	-	-	-	0.48	-	-	-	-	0.46
pH (Lab)	standard	-	-	-	-	-	7.20	-	-	-	-	7.20
pH (field)	standard	6.85	6.94	7.25	-	6.20	7.90	6.65	-	-	7.17	6.99
Sulfate	mg/L	-	-	-	-	-	65.0	-	-	-	-	65.0
TOC	mg/L	-	-	-	-	-	75.0	-	-	-	-	75.0
Temperature	Celsius	8.0	7.0	15.0	-	9.0	7.0	13.0	-	-	10.0	9.9

HISTORICAL DATA MONITORING WELL MW - 30

Parameters	Source: Units	NET	NET	NET	NET	NET	NET	NET	NET	NET	AVERAGE	
		Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Mar 1991	June 1991	Sept 1991	Dec 1991		
VOLATILE ORGANICS												
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Trichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	2.4	0.3
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.0
METALS												
Arsenic	mg/L	--	--	--	--	--	--	ND	--	--	--	0.00
Barium	mg/L	--	--	--	--	--	--	0.05	--	--	--	0.05
Cadmium	mg/L	--	--	--	--	--	--	ND	--	--	--	0.000
Chromium	mg/L	--	--	--	--	--	--	ND	--	--	--	0.000
Iron	mg/L	--	--	--	--	--	--	7.08	--	--	--	7.08
Lead	mg/L	--	--	--	--	--	--	ND	--	--	--	0.000
Potassium	mg/L	--	--	--	--	--	--	2.38	--	--	--	2.38
Selenium	mg/L	--	--	--	--	--	--	ND	--	--	--	0.00
Silver	mg/L	--	--	--	--	--	--	ND	--	--	--	0.00
Sodium	mg/L	--	--	--	--	--	--	15.80	--	--	--	15.80
Mercury	mg/L	--	--	--	--	--	--	ND	--	--	--	0.000
MISCELLANEOUS COMPOUNDS												
Total Organic Halogens (TOX)	ug/L	--	--	--	--	--	--	ND	--	--	--	0.00
Chloride	mg/L	--	--	--	--	--	--	26.6	--	--	--	26.6
Conductance (field)	umhos/cm	420	390	--	660	620	570	--	--	850	--	585
Nitrate (as N)	mg/L	--	--	--	--	--	--	0.05	--	--	--	0.05
pH (Lab)	standard	--	--	--	--	--	--	7.30	--	--	--	7.30
pH (field)	standard	6.90	7.11	7.27	7.30	7.15	8.03	--	--	7.25	--	7.29
Sulfate	mg/L	--	--	--	--	--	--	35.7	--	--	--	35.7
TOC	mg/L	--	--	--	--	--	--	13.8	--	--	--	13.6
Temperature	Celcius	6.0	4.0	16.0	15.0	6.0	5.0	--	--	10.0	--	8.9

HISTORICAL DATA MONITORING WELL MW-31

Parameters	Source: Units	NET	NET	NET	NET	NET	NET	NET	NET	NET	AVERAGE
		Jan 1990	Mar 1990	June 1990	Sept 1990	Dec 1990	Mar 1991	June 1991	Sept 1991	Dec 1991	
VOLATILE ORGANICS											
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
METALS											
Arsenic	mg/L	-	-	-	-	-	ND	-	-	-	0.00
Barium	mg/L	-	-	-	-	-	0.16	-	-	-	0.16
Cadmium	mg/L	-	-	-	-	-	ND	-	-	-	0.000
Chromium	mg/L	-	-	-	-	-	0.037	-	-	-	0.037
Iron	mg/L	-	-	-	-	-	59.60	-	-	-	59.60
Lead	mg/L	-	-	-	-	-	ND	-	-	-	0.000
Potassium	mg/L	-	-	-	-	-	4.87	-	-	-	4.87
Selenium	mg/L	-	-	-	-	-	ND	-	-	-	0.00
Silver	mg/L	-	-	-	-	-	ND	-	-	-	0.00
Sodium	mg/L	-	-	-	-	-	8.70	-	-	-	8.70
Mercury	mg/L	-	-	-	-	-	ND	-	-	-	0.000
MISCELLANEOUS COMPOUNDS											
Total Organic Halogens (TOX)	ug/L	-	-	-	-	-	ND	-	-	-	0.00
Chloride	mg/L	-	-	-	-	-	19.7	-	-	-	19.7
Conductance (field)	umhos/cm	325	350	520	480	520	460	750	-	660	508
Nitrate (as N)	mg/L	-	-	-	-	-	0.15	-	-	-	0.15
pH (Lab)	standard	-	-	-	-	-	7.30	-	-	-	7.30
pH (field)	standard	6.90	7.15	7.19	7.40	6.50	8.06	6.72	-	7.31	7.15
Sulfate	mg/L	-	-	-	-	-	62.6	-	-	-	62.6
TOC	mg/L	-	-	-	-	-	52.0	-	-	-	52.0
Temperature	Celsius	6.5	4.0	15.0	16.0	8.0	7.0	13.0	-	10.0	9.9

HISTORICAL DATA MONITORING WELL MW - 32

Parameters	Source: Units	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	AVERAGE
VOLATILE ORGANICS											
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
METALS											
Arsenic	mg/L	-	-	-	-	-	ND	-	-	-	0.00
Barium	mg/L	-	-	-	-	-	0.07	-	-	-	0.07
Cadmium	mg/L	-	-	-	-	-	ND	-	-	-	0.000
Chromium	mg/L	-	-	-	-	-	ND	-	-	-	0.000
Iron	mg/L	-	-	-	-	-	18.50	-	-	-	18.50
Lead	mg/L	-	-	-	-	-	ND	-	-	-	0.000
Potassium	mg/L	-	-	-	-	-	3.05	-	-	-	3.05
Selenium	mg/L	-	-	-	-	-	ND	-	-	-	0.00
Silver	mg/L	-	-	-	-	-	ND	-	-	-	0.00
Sodium	mg/L	-	-	-	-	-	13.90	-	-	-	13.90
Mercury	mg/L	-	-	-	-	-	ND	-	-	-	0.000
MISCELLANEOUS COMPOUNDS											
Total Organic Halogens (TOX)	ug/L	-	-	-	-	-	ND	-	-	-	0.00
Chloride	mg/L	-	-	-	-	-	24.6	-	-	-	24.6
Conductance (field)	umhos/cm	380	410	690	560	600	540	-	900	830	614
Nitrate (as N)	mg/L	-	-	-	-	-	0.47	-	-	-	0.47
pH (Lab)	standard	-	-	-	-	-	7.20	-	-	-	7.20
pH (field)	standard	6.85	7.14	7.13	7.35	6.80	8.03	-	7.13	7.24	7.21
Sulfate	mg/L	-	-	-	-	-	52.0	-	-	-	52.0
TOC	mg/L	-	-	-	-	-	13.3	-	-	-	13.3
Temperature	Celsius	7.0	6.0	14.0	15.0	8.0	6.0	13.0	18.0	6.0	10.3

HISTORICAL DATA MONITORING WELL MW - 33

Parameters	Source: Units	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	AVERAGE
VOLATILE ORGANICS											
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	1.0	ND	ND	ND	ND	ND	0.1
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
METALS											
Arsenic	mg/L	-	-	-	-	-	ND	-	-	-	0.00
Barium	mg/L	-	-	-	-	-	0.11	-	-	-	0.11
Cadmium	mg/L	-	-	-	-	-	ND	-	-	-	0.000
Chromium	mg/L	-	-	-	-	-	ND	-	-	-	0.000
Iron	mg/L	-	-	-	-	-	38.80	-	-	-	38.80
Lead	mg/L	-	-	-	-	-	ND	-	-	-	0.000
Potassium	mg/L	-	-	-	-	-	3.34	-	-	-	3.34
Selenium	mg/L	-	-	-	-	-	ND	-	-	-	0.00
Silver	mg/L	-	-	-	-	-	ND	-	-	-	0.00
Sodium	mg/L	-	-	-	-	-	12.50	-	-	-	12.50
Mercury	mg/L	-	-	-	-	-	ND	-	-	-	0.000
MISCELLANEOUS COMPOUNDS											
Total Organic Halogens (TOX)	ug/L	-	-	-	-	-	17.00	-	-	-	17.00
Chloride	mg/L	-	-	-	-	-	18.7	-	-	-	18.7
Conductance (field)	umhos/cm	385	380	600	580	440	500	715	-	650	531
Nitrate (as N)	mg/L	-	-	-	-	-	0.81	-	-	-	0.81
pH (Lab)	standard	-	-	-	-	-	7.20	-	-	-	7.20
pH (field)	standard	6.70	7.14	7.19	7.25	6.80	8.03	7.27	-	7.36	7.22
Sulfate	mg/L	-	-	-	-	-	101.5	-	-	-	101.5
TOC	mg/L	-	-	-	-	-	17.6	-	-	-	17.6
Temperature	Celsius	7.0	4.0	14.0	14.0	9.0	6.0	13.0	16.0	10.0	10.3

HISTORICAL DATA SHALLOW FARM HOUSE WELL

Parameters	Source: Units	Galson Aug 1987	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	AVERAGE
VOLATILE ORGANICS												
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	0.1
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
METALS												
Arsenic	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	0.00
Barium	mg/L	-	-	ND	-	ND	-	ND	-	0.05	-	0.01
Cadmium	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	0.000
Chromium	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	0.000
Iron	mg/L	-	-	ND	-	ND	-	ND	-	0.05	-	0.01
Lead	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	0.000
Potassium	mg/L	-	-	7.50	-	8.00	-	10.90	-	6.38	-	8.20
Selenium	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	0.00
Silver	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	0.00
Sodium	mg/L	-	-	39.00	-	36.00	-	36.30	-	18.30	-	32.40
Mercury	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	0.000
MISCELLANEOUS COMPOUNDS												
Total Organic Halogens (TOX)	ug/L	10.00	-	50.70	-	-	-	13.00	-	20.00	-	16.74
Chloride	mg/L	-	-	11.0	-	11.6	-	8.8	-	2.1	-	8.4
Conductance (field)	umhos/cm	-	-	380	860	550	600	740	9	436	215	474
Nitrate (as N)	mg/L	-	-	4.27	-	2.10	-	3.36	-	1.67	-	2.85
pH (Lab)	standard	-	-	7.20	-	7.30	-	7.30	-	7.60	-	7.35
pH (field)	standard	-	-	7.55	7.30	7.35	7.35	-	7.01	8.12	8.08	7.54
Sulfate	mg/L	-	-	120.0	-	38.5	-	58.8	-	18.3	-	58.9
TOC	mg/L	-	-	42.0	-	5.2	-	7.5	-	ND	-	13.7
Temperature	Celsius	-	-	8.0	19.0	-	-	-	19.0	17.0	8.0	14.2

HISTORICAL DATA FARM HOUSE DEEP WELL

Parameters	Source: Units	Galsion Aug 1987	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	AVERAGE
VOLATILE ORGANICS												
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0
METALS												
Arsenic	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	0.00
Barium	mg/L	-	-	0.47	-	ND	-	0.53	-	0.65	-	0.41
Cadmium	mg/L	-	-	0.001	-	ND	-	ND	-	ND	-	0.000
Chromium	mg/L	-	-	0.001	-	ND	-	ND	-	ND	-	0.000
Iron	mg/L	-	-	0.31	-	0.40	-	0.24	-	0.37	-	0.33
Lead	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	0.000
Potassium	mg/L	-	-	ND	-	1.60	-	1.90	-	1.19	-	1.17
Selenium	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	0.00
Silver	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	0.00
Sodium	mg/L	-	-	140.00	-	150.00	-	155.00	-	187.00	-	158.00
Mercury	mg/L	-	-	ND	-	ND	-	ND	-	ND	-	0.000
MISCELLANEOUS COMPOUNDS												
Total Organic Halogens (TOX)	ug/L	ND	-	ND	-	-	10.00	15.00	-	137.00	-	32.40
Chloride	mg/L	-	-	18.0	-	14.5	-	14.8	-	9.7	-	14.3
Conductance (field)	umhos/cm	-	-	370	760	620	720	700	860	808	880	715
Nitrate (as N)	mg/L	-	-	ND	-	0.11	-	ND	-	ND	-	0.03
pH (Lab)	standard	-	-	8.50	-	8.60	-	8.60	-	9.10	-	8.70
pH (field)	standard	-	-	8.38	8.32	8.30	8.45	-	8.62	8.47	8.72	7.41
Sulfate	mg/L	-	-	110.0	-	42.0	-	44.4	-	12.6	-	52.3
TOC	mg/L	-	-	28.0	-	ND	-	6.5	-	4.0	-	9.6
Temperature	Celcius	-	-	9.0	16.0	-	-	-	15.0	15.0	9.0	12.8

HISTORICAL DATA FARM HOUSE BARN WELL

Parameters	Source: Units	Galson Aug 1987	NET Jan 1990	NET Mar 1990	NET June 1990	NET Sept 1990	NET Dec 1990	NET Mar 1991	NET June 1991	NET Sept 1991	NET Dec 1991	AVERAGE	
VOLATILE ORGANICS													
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Vinyl Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,1-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,1-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,1,1-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.7	0.7	
Carbon Tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Trichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Tetrachloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Chlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
2-Chloroethylvinyl Ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0	
METALS													
Arsenic	mg/L	--	--	ND	--	ND	--	ND	--	ND	--	0.00	
Barium	mg/L	--	--	ND	--	ND	--	0.04	--	0.10	--	0.03	
Cadmium	mg/L	--	--	ND	--	ND	--	ND	--	ND	--	0.000	
Chromium	mg/L	--	--	ND	--	ND	--	ND	--	ND	--	0.000	
Iron	mg/L	--	--	0.28	--	0.11	--	0.21	--	0.11	--	0.18	
Lead	mg/L	--	--	ND	--	ND	--	ND	--	ND	--	0.000	
Potassium	mg/L	--	--	6.60	--	4.20	--	7.70	--	2.54	--	5.26	
Selenium	mg/L	--	--	ND	--	ND	--	ND	--	ND	--	0.00	
Silver	mg/L	--	--	ND	--	ND	--	ND	--	ND	--	0.00	
Sodium	mg/L	--	--	1.60	--	5.00	--	2.42	--	6.83	--	3.96	
Mercury	mg/L	--	--	ND	--	ND	--	ND	--	ND	--	0.000	
MISCELLANEOUS COMPOUNDS													
Total Organic Halogens (TOX)	ug/L	27.00	--	ND	--	--	--	ND	12.00	--	56.00	--	13.60
Chloride	mg/L	--	--	6.0	--	--	22.2	--	3.9	--	35.5	--	16.9
Conductance (field)	umhos/cm	--	--	240	670	660	500	435	710	927	1040	--	648
Nitrate (as N)	mg/L	--	--	5.47	--	--	5.40	--	7.45	--	12.60	--	7.73
pH (Lab)	standard	--	--	7.40	--	--	7.50	--	7.60	--	7.70	--	7.55
pH (field)	standard	--	--	7.69	7.36	7.30	7.25	--	7.65	7.12	7.49	--	7.41
Sulfate	mg/L	--	--	120.0	--	--	84.2	--	58.0	--	102.0	--	91.1
TOC	mg/L	--	--	19.0	--	--	3.8	--	8.8	--	4.1	--	8.9
Temperature	Celcius	--	--	3.0	--	--	--	--	--	13.0	15.0	8.0	9.8

APPENDIX B

GEOPHYSICAL REPORT: BLASLAND AND BOUCK ENGINEERS

**DRAFT GEOPHYSICAL SURVEY REPORT
FOR SENECA ARMY DEPOT
ASH LANDFILL SITE**

Chas. T. Main, Inc.

Boston, Massachusetts

April 1992



BLASLAND & BOUCK ENGINEERS, P.C.
BLASLAND, BOUCK & LEE
ENGINEERS & GEOSCIENTISTS

**DRAFT GEOPHYSICAL SURVEY REPORT
FOR
SENECA ARMY DEPOT, ASH LANDFILL SITE**

**CHAS. T. MAIN, INC.
BOSTON, MASSACHUSETTS**

APRIL 1992

**BLASLAND & BOUCK ENGINEERS, P.C.
6723 TOWPATH ROAD
SYRACUSE, NEW YORK 13214**

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Appendix C	EM-31 Survey Line Plots
Appendix D	GPR Graphic Profiles for Pipe or Drum Signatures

EXECUTIVE SUMMARY

During October 1991, two geophysical surveys were performed by Blasland & Bouck Engineers, P.C. for Chas. T. Main, Inc., at the Seneca Army Depot Ash Landfill area. The geophysical surveys, consisting of an electromagnetic induction (EM-31) terrain conductivity survey and a ground penetrating radar (GPR) survey, were conducted to identify anomalous areas, and to provide characterization as to the nature of these anomalies. The geophysical survey areas and survey lines are shown on Figure 1. Thirty-six anomalous areas were delineated during the EM-31 terrain conductivity survey. Twelve of the 36 anomalies identified by the EM-31 survey were determined to be due to a buried 6-inch pipeline that traverses Area 1. Table 1 provides a summary of all EM-31 anomalies, including the 24 EM-31 anomaly locations that were further defined using GPR. Contour maps prepared of the EM-31 conductivity and in-phase data defined the locations and extent of the anomalies. Conductivity anomalies within Area 1 were typically small in amplitude and located along the southern and western perimeter of the survey area. A large magnitude anomaly associated with the construction and demolition debris landfill dominates the eastern one-third of Area 2. Also in the lower one-third of Area 2, an area containing several smaller, but relatively high amplitude anomalies were present. Based on these data, this area also appears to have received fill associated with the incinerator and/or ash landfill disposal operations.

A GPR survey was performed over the 24 EM-31 anomalies identified in Table 1 to define the lateral extent of these anomalies and to characterize their nature. GPR survey over the 24 EM-31 anomalies delineated 40 areas that were characterized using this geophysical method. Of the 40 areas characterized by GPR profiling, 31 or about 78 percent were interpreted to be shallow fill areas containing small volumes of metallic and non-metallic debris. Ten anomalies

showed the characteristic hyperbolic signature typical of a buried metallic object. All but three of these signatures were found to be located within the construction and demolition debris landfill. A summary of the GPR characterization of the EM-31 anomaly locations is presented in Table 2.

SECTION 1 - INTRODUCTION

1.1 Purpose and Scope of Work

Blasland & Bouck Engineers, P.C., (Blasland & Bouck) was subcontracted by Chas. T. Main, Inc. (MAIN) to perform two geophysical surveys at the Seneca Army Depot (SEAD) Ash Landfill area. The two geophysical surveys included:

- an Electromagnetic Induction (EM-31) Survey; and
- a Ground Penetrating Radar (GPR) Survey.

The areas investigated are shown on the Geophysical Survey location map, Figure 1. Area 1, located north of the limits of the abandoned ash landfill, was 1,500 feet from north to south and approximately 1,600 feet from west to east. Area 2, located south of the limits of the abandoned ash landfill, was 500 feet from north to south and approximately 1,650 feet from west to east.

The geophysical surveys were completed in accordance with the Scope of Work presented in Appendix A. Section 2 of this report discusses the procedures and methodologies used during the geophysical surveys. Section 3 presents the results of the surveys.

SECTION 2 - PROCEDURES AND METHODOLOGY

2.1 Preparation of Geophysical Survey Lines and Stations

The geophysical survey lines were established by Blasland & Bouck using a grid system based on measurements taken from physical features at the site, and cleared of vegetation to permit access for the geophysical equipment. The geophysical survey lines in Area 1 were established every 100 feet perpendicular to West Patrol Road, beginning 100 feet south of Cemetery Road, and proceeded 1,500 feet south. Endpoints for these 15 geophysical lines were established along the railroad bed located approximately 1,600 feet east of West Patrol Road. The Area 1 geophysical survey lines were numbered 1 through 15, incrementing from north to south. The geophysical survey lines in Area 2 were established in a similar fashion, beginning 100 feet south of the W. Smith Farm Road, spaced every 100 feet, and continuing 400 feet south along West Patrol Road. Endpoints for these five geophysical lines were established along the railroad bed located approximately 1,600 feet east of West Patrol Road. The Area 2 geophysical lines were numbered 16 through 20, incrementing from north to south.

The 20 geophysical survey lines were cleared of standing vegetation to ground level by SEAD personnel from the Roads and Grounds Department. Following clearing of the geophysical lines, EM-31 data measurements were collected every 50 feet along each survey line, as described in Section 2.2.

2.2 EM-31 Survey Procedures

The EM-31 Survey was performed using a Geonics model EM-31 terrain conductivity meter and a digital data logger, Model DL55, to record the readings. Prior to daily data collection, the following instrument functional checks and calibration procedures were performed:

- Internal battery condition;
- Instrument zero reading;
- Instrument phasing; and
- Instrument sensitivity.

Instrument sensitivity was performed in an area considered to represent background site conditions. This background area was located just east and upgradient of the eastern limit of the abandoned ash landfill, about 20 feet south of monitoring well PT-10. This is the same background area used during the previous geophysical surveys performed by ICF, Inc. (1988) and Hunter (1989). No variation in instrument sensitivity was observed in the background area.

The EM-31 survey of Area 1 was performed on October 14 and 16, 1991. Readings were collected every 50 feet along each survey line. A total of 23,650 feet of EM-31 survey was completed with 473 measurements collected for both the quadrature-phase and in-phase components. The quadrature-phase response to the induced magnetic field is linearly proportional to the terrain conductivity. The in-phase response to the induced magnetic field is the ratio of the primary and secondary magnetic fields, providing increased sensitivity to buried metallic objects.

The EM-31 survey of Area 2 was performed on October 17, 1991. Readings were collected every 50 feet along each survey line. A total of 8,050 feet of EM-31 survey was completed with 161 measurements collected for both the quadrature-phase and in-phase components.

The quadrature-phase and in-phase measurements collected from lines 1 through 20, as digitally recorded by the data logger, are presented in Appendix B.

2.3 EM-31 Data Reduction

Graphical plots of the EM-31 data were completed for each survey line for both quadrature-phase (conductivity) and in-phase data measurements. Conductivity and in-phase plots for survey lines 1 through 20 are presented in Appendix C. Values for conductivity are represented in milli-Siemens per meter, (mS/m) while values for in-phase are represented in parts per thousand (ppt). EM-31 survey line plots of conductivity and in-phase measurements were used to identify potential anomalies to be further investigated using the GPR method. Anomalies identified by the EM-31 survey are summarized in Table 1. Each anomaly location is described by the survey line number and station position. Twelve anomalies were obviously caused by an underground utility crossing the site. GPR characterization was not performed at these 12 locations (see Table 1). The other 24 anomalies identified by the EM-31 survey were further characterized using the GPR method.

2.4 GPR Survey Methodology

Anomalies defined by the EM-31 survey line plots were investigated using a Geophysical Survey Systems, Inc. (GSSI) subsurface interfacing radar (SIR), System-3, consisting of a PR-8300 profiling recorder and a 300 megahertz (MHz) transducer.

Equipment calibration was performed prior to GPR profiling across potential anomaly areas. Equipment calibration was completed in the same areas as the EM-31 calibration described above. GPR equipment calibration included the following:

- Adjustment of range setting;
- Adjustment of high and low pass filters;
- Setting of the transmitting rate; number of scans per second and print polarity; and

- Adjustment of range gains.

Once equipment calibration was complete, the GPR data were collected by hand pulling the 300 MHz transducer over the anomaly location. Horizontal control was accomplished by measuring with an engineer's tape between marked station locations and encoding the data with a station reference mark every 10 feet along each profile.

The graphical output from the profiling recorder was continuously reviewed by the survey personnel to adjust equipment settings, if necessary, to maximize the resolution of subsurface anomalies. Each profile was annotated in the field with the profile line number, station interval, and anomaly location. The annotated GPR data for seven profiles containing possible pipe or drum signatures are presented in Appendix D.

During the GPR survey, routine adjustments and maintenance of the profiling recorder were completed in accordance with the manufacturer's operation manual for the SIR System-3.

SECTION 3 - FINDINGS OF THE GEOPHYSICAL INVESTIGATION

3.1 EM-31 Terrain Conductivity Survey

The EM-31 terrain conductivity survey identified 36 anomalies within both Area 1 and Area 2 at the Ash Landfill site as indicated by anomalous conductivity and/or in-phase measurements. This included 12 anomalies within Area 1 that are associated with the 6-inch water main traversing this area from north to south. In general, good correlation was observed between conductivity and in-phase measurements along each survey line profile. Anomalies were readily identified by the unusually high or low conductivity and/or in-phase measurements. Conductivity anomalies were considered to represent readings above or below the typical background measurements ranging from 10.5 to 13.5 milli-Siemens/meter. In-phase anomalies were compared to conductivity anomalies to determine potential locations for buried metallic material along each survey line.

As shown on Figure 2, the linear north-south trending anomaly in Area 1 at Station 550 east of West Patrol Road was interpreted to be caused by a buried 6-inch water main. The linear north-south trending anomaly at Station 1650 in Area 2 was also considered to be caused by the same 6-inch water main.

In Area 2, several anomalies are evident in both the eastern and western sections. The two large anomalies present along survey lines 17, 18, and 19, from Stations 1150 to 1450 in Area 2, are caused by the construction and demolition (C & D) debris landfill. Several smaller conductivity anomalies are present on survey lines 3, 4, 5, 10, 13, 14, and 15 in Area 1. Conductivity anomalies are also present along survey lines 16, 17, and 18 from about stations 450 to 650. The nature of these anomalies were further characterized by GPR profiling.

3.2 GPR Survey - Anomaly Characterization

The graphic GPR data from traverses across EM-31 anomalies were reviewed to determine the nature (i.e., potential source and length) of EM-31 anomalies. About 78 percent of the anomalies defined by GPR, and summarized on Table 2, were characteristic of fill areas containing small debris (see Table 2). Ten anomalies had GPR signatures similar to signatures produced by a buried metallic object. These included anomalies located on survey lines 5, 13, 16, 17, and 18.

The GPR graphic profiles for the ten anomalies thought to represent possible pipes or drums are presented in Appendix D. The graphic profiles show the characteristic hyperbolic signature typical of a buried metallic object. A second characteristic of these signatures is the radar reflection reverberation or echo, downward through the profile caused by a resonance feature associated with metallic objects. The presence of these two characteristics were evaluated to determine the likelihood of an anomaly containing a buried pipe or drum. Anomalies present on the graphic profiles in Appendix D were considered to have these characteristics and have been annotated to show the location and station of the anomaly.

REFERENCES

Hunter Services, Inc. (Hunter/ESE), 1989. Geophysical Investigation Letter Report, Seneca Army Depot, Romulus, New York. Gainesville, Florida.

Geonics Limited, 1984. Operating Manual for EM31-D Non-Contacting Terrain Conductivity Meter. Mississauga, Ontario.

Geonics Limited, 1991. DL55/31 Data Logging System, Operating Instructions for EM-31 Ground Conductivity Meter with Polycorder, Series 516C. Mississauga, Ontario.

Geophysical Survey Systems, Inc., 1987. Operations Manual, Subsurface Interface Radar SIR System-3. North Salem, New Hampshire.

TABLE 1

SUMMARY OF EM-31 ANOMALIES
CHAS. T. MAIN, INC.
SENECA ARMY DEPOT
ASH LANDFILL

EM-31		GPR	
Line	Anomaly Location (ft)	Line	Area Covered (ft)
3	100-250	3	100-250
3	500-600	3	*
3	1,050-1,150	3	1,050-1,150
4	90-250	4	90-250
4	550-600	4	*
5	100-300	5	100-300
5	550-600	5	*
5	1,100-1,170	5	1,100-1,170
6	550-600	6	*
7	550-600	7	*
8	550-600	8	*
9	550-600	9	*
10	500-600	10	*
10	700-900	10	700-900
10	930-1,100	10	930-1,100
11	500-550	11	*
12	500-550	12	*
12	800-1,100	12	800-1,100
13	500-550	13	*
13	800-1,100	13	800-1,100
14	360-550	14	360-550
14	700-800	14	700-800
14	1,350-1,450	14	1,350-1,450
15	450-500	15	*
15	750-950	15	750-950
15	1,000-1,100	15	1,000-1,100
16	250-850	16	250-850
16	1,000-1,150	16	1,000-1,150
16	1,200-1,650	16	1,200-1,650
17	250-850	17	250-850
17	1,130-1,550	17	1,130-1,550
18	400-500	18	400-500
18	1,150-1,600	18	1,150-1,600
19	700-850	19	700-850
19	1,150-1,635	19	1,150-1,635
20	450-850	20	450-850

Notes:

*Anomaly location represents a buried pipeline (6-inch water main), no GPR profile performed.

TABLE 2

**GPR CHARACTERIZATION OF EM-31 ANOMALIES
CHAS. T. MAIN, INC.
SENECA ARMY DEPOT
ASH LANDFILL**

Line	Anomaly Location (ft)	Characterization
3	100-200	Fill Area - Small Debris
3	200-250	Fill Area - Small Debris
4	150-250	Fill Area - Small Debris
5	150-200	Fill Area - Small Debris
5	200-250	Fill Area - (1) Possible Pipe or Drum Signature
10	760-780	Fill Area - Small Debris
10	840-860	Fill Area - Small Debris
10	980-1,000	Fill Area - Small Debris
12	910-960	Fill Area - Small Debris
12	980-1,000	Fill Area - Small Debris
13	830-890	Fill Area - Small Debris
13	905-925	Fill Area - Small Debris (1) Possible Pipe Signature
13	945-975	Fill Area - Small Debris (1) Possible Pipe Signature
13	1,000-1,020	Fill Area - Small Debris
14	1,350-1,380	Fill Area - Small Debris
16	350-400	Fill Area with (1) Possible Pipe/Drum @ 374
16	460-500	Fill Area - Small Debris
16	580-590	Fill Area - Small Debris
16	600-625	Fill Area - Small Debris
16	625-640	Fill Area - Small Debris
16	665	Fill Area - Small Debris
16	740-780	Fill Area - Small Debris
16	1,200-1,270	Fill Area - (1) Possible Drum @ 1,252
16	1,350-1,500	(2) Possible Drums @ 1,432 & 1,446
16	1,350-1,500	(1) Possible Drums @ 1,482
17	300-370	(4) Small Fill Areas - Small Debris
17	500-515	Small Fill Area @ 510
17	590-640	Fill Area - Small Debris
17	690-720	Fill Area - Small Debris
17	740-760	Fill Area - Small Debris
17	1,180-1,210	Fill Area - Fill Area with (1) Possible Drum @ 1,188
17	1,270-1,300	Fill Area - Small Debris
17	1,460-1,520	Fill Area - Possible Concrete Debris
18	440-450	Small Fill Area - Debris
18	1,250-1,290	Fill Area with Possible Concrete with Rebar
18	1,350-1,380	Fill Area - Small Debris
18	1,480-1,510	Fill Area with (2) Possible Pipes
19	750-800	Fill Area - Small Debris
19	1,240-1,250	Fill Area - Small Debris
19	1,330-1,350	Fill Area - Small Debris






**EM-31 SURVEY
CONTOUR MAPS**

FIGURE 1



LEGEND

-  FORMER GEOPHYSICAL SURVEY AREA
-  CURRENT GEOPHYSICAL SURVEY AREA
-  SURVEY LINE - 100' INTERVAL

Note: Basemap data referenced from C.T. Main Engineers (revised 7/16/91)

CHAS. T. MAIN, INC.

GEOPHYSICAL SURVEY AT THE SENECA ARMY DEPOT ASH LANDFILL

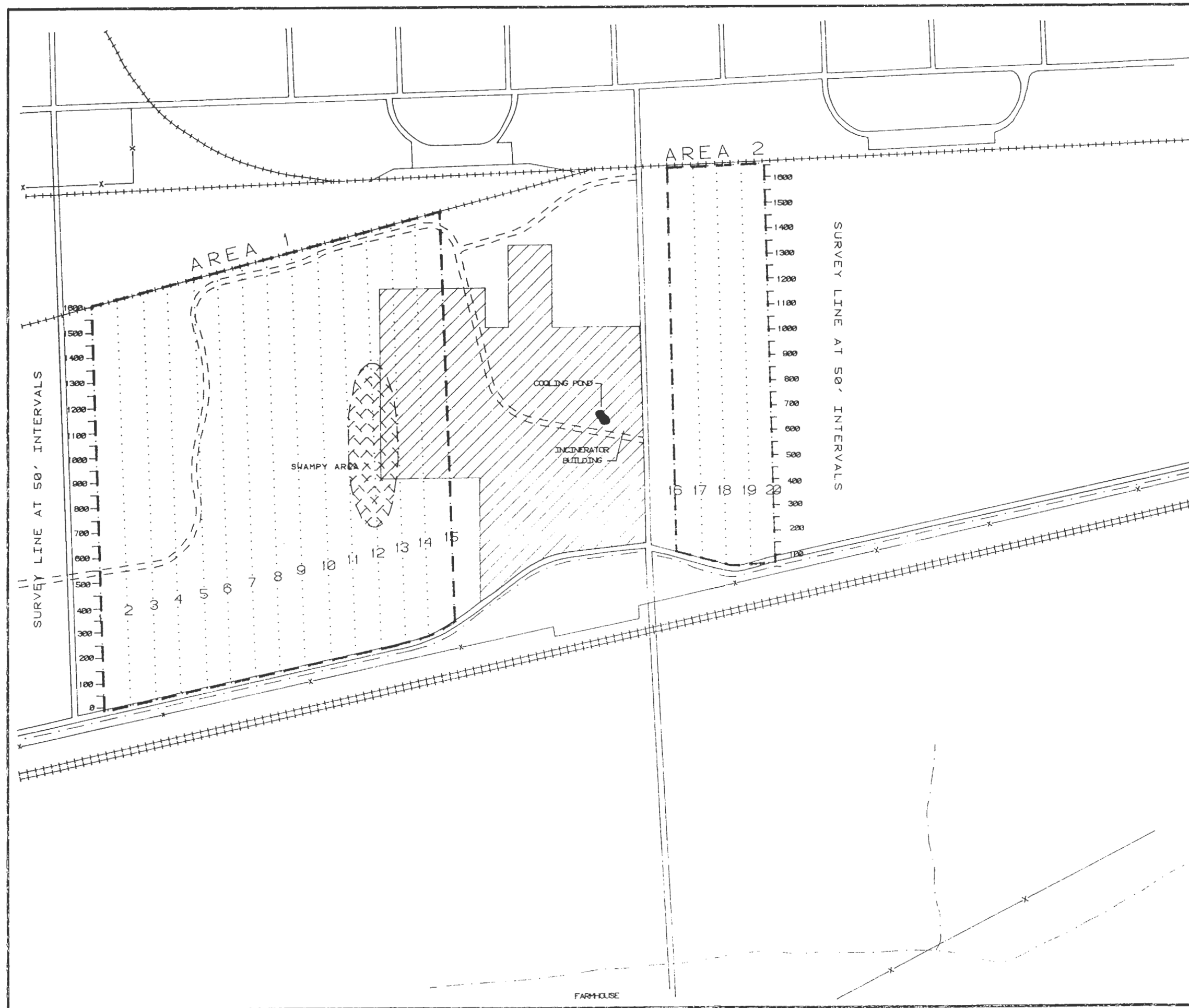
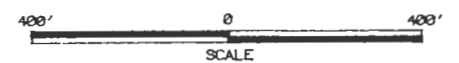



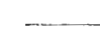


FIGURE 2



- LEGEND
-  FORMER GEOPHYSICAL SURVEY AREA
 -  CURRENT GEOPHYSICAL SURVEY AREA
 -  SURVEY LINE - 100' INTERVAL
 -  CONDUCTIVITY CONTOUR LINE

Note: Basemap data referenced from C.T. Main Engineers (revised 7/16/91)

CHAS. T. MAIN, INC.

SENECA ARMY DEPOT
ASH LANDFILL
EM-31 SURVEY
CONDUCTIVITY







BLASLAND & BOUCK
ENGINEERS, P.C.

FIGURE 3



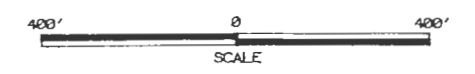
LEGEND


-  FORMER GEOPHYSICAL SURVEY AREA
-  CURRENT GEOPHYSICAL SURVEY AREA
-  SURVEY LINE - 100' INTERVAL
-  INPHASE CONTOUR LINE

Note: Basemap data referenced from C.T. Main Engineers (revised 7/18/91)

CHAS. T. MAIN, INC.

SENECA ARMY DEPOT
 ASH LANDFILL
 EM-31 SURVEY
 INPHASE




 BLASLAND & BOUCK
 ENGINEERS, P.C.

APPENDIX A

SCOPE OF WORK FOR GEOPHYSICAL SURVEYS

Geophysical Survey Field Sampling and Analysis Plan

Electromagnetic Induction Survey (EM)

An EM Survey will be performed to delineate areas of high ground conductivity and buried metal wastes. The EM survey will be completed across the area designated No. 1 shown on Figure 4.2-2 located to the north of the geophysical surveyed area completed by ICF (1989) and Hunter/ESE (1989). Also, a smaller area designated No. 2 will be surveyed at the former construction debris landfill, located southeast of the completed geophysical survey area completed by ICF (1989) and Hunter ESE (1989).

The EM survey will be performed using a Geonics EM31 terrain conductivity meter equipped with an EM31DL data logger. The EM survey will be completed along survey lines spaced every 100 feet, as shown on Figure 4.2-2. Readings will be taken every 50 feet along each survey line. Field calibration of the EM instrument's sensitivity will be performed prior to the start of the survey in an area considered to represent background readings. This area will be the same area used to calibrate the EM instrument during the previous EM surveys performed by ICF (1989) and Hunter ESE (1989).

Both the quadrature component and in-phase component of the electromagnetic field will be recorded by the data logger at each station. The quadrature component of the electromagnetic field is linearly proportional to the apparent ground conductivity, and is used to delineate areas of past waste disposal. The in-phase component of the electromagnetic field is sensitive to electrically conductive materials, such as metals, and will be used to delineate areas of buried metals or drums. All work will be performed in accordance with the manufacturer's operation manual for the EM31.

The quadrature and in-phase readings will be downloaded daily from the digital data logger to a laptop computer for further processing and contouring. Contour maps of both the quadrature and in-phase component readings will be prepared for the survey areas.

Ground Penetrating Radar (GPR) Survey

A Ground Penetrating Radar (GPR) survey will be performed to identify the boundaries of any EM anomaly and to characterize the nature of subsurface materials. Any anomalies detected during the EM survey will be further investigated by continuous GPR profiling. Data will be recorded along the entire length of anomalies delineated by the EM survey in the two proposed geophysical survey areas shown on Figure 4.2-2.

A GPR System operates by generating low power electromagnetic energy (80 Mhz to 1,000 Mhz) into the subsurface from a transducer. Differences in the electrical properties of the subsurface materials cause some of the electromagnetic energy to be reflected back to the surface. This reflected energy is detected by the transducer, recorded and displayed by the system.

The GPR survey will be completed using a Geophysical Survey Systems, Inc. (GSSI) subsurface interface radar (SIR) system 3. The SIR-3 consists of a control unit, graphic recorder, and transducer (antenna). The survey procedure will consist of towing a transducer, either by vehicle or by hand over EM anomalies located along the survey lines. The control unit and graphic recorder are

operated from the survey vehicle. The survey lines will have to be cleared of all vegetation to ground level so the transducer can maintain constant contact with the ground to provide the best radar imaging. Vehicle or walking speed averages from 1 to 3 miles per hour (mph) while the SIR system scans at a rate of 25.6 or 32 scans per second. At these survey speeds and scan rates, reflections are received every 0.7 inches (at 1 mph) to every 2.1 inches (at 3 mph) of ground travel along the survey lines. The data is displayed on the graphic recorder in the survey vehicle.

Based on the subsurface conditions identified during previous surveys performed by ICF (1989) and Hunter/ESE (1989), characterization of subsurface anomalies will be performed using a 300 megahertz (Mhz) transducer. The maximum depth of subsurface penetration with a 300 Mhz transducer is about 30 feet, under ideal conditions. Attenuation of the transmitted electromagnetic pulse in the glacial till soils at the site is anticipated to reduce the maximum penetration depth to about 8 to 10 feet. For this reason, a second transducer (100 Mhz) will be available for use at the site if deeper radar profiling is required.

Field adjustment and initial background profiling will be performed in the same area used for background measurements for the EM survey. Field adjustments will consist of setting the instruments range; setting the low and high pass filters; and adjusting the upper, middle and lower gain controls to achieve the best resolution of subsurface data. The graphical output will be checked by the system operator throughout the GPR survey and system adjustments will be made, if necessary, to provide the best possible resolution of subsurface anomalies. All work will be performed in accordance with the manufacturer's operation manual for the SIR System 3.



**EM-31 SURVEY
LINE DATA**

APPENDIX B

EM-31 SURVEY DATA FOR AREAS 1 AND 2

LINE: 1 Direction: E
Date: 16-10-91 Time: 10: 2
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 0 Final station: 1550

Station	Cond.[mS/m]	Inphase [ppt]
0.000	14.520	4.034
50.000	12.660	4.106
100.000	11.580	4.178
150.000	12.000	3.829
200.000	11.460	3.985
250.000	11.460	4.094
300.000	12.000	3.997
350.000	12.660	3.997
400.000	13.260	3.949
450.000	13.320	3.612
500.000	12.840	4.118
550.000	31.140	7.610
600.000	16.320	4.310
650.000	13.980	3.757
700.000	13.020	3.624
750.000	12.960	3.335
800.000	12.960	3.022
850.000	12.600	2.805
900.000	12.540	2.709
950.000	12.420	4.792
1000.000	12.060	4.744
1050.000	12.720	4.876
1100.000	12.240	4.804
1150.000	12.720	4.455
1200.000	12.600	4.142
1250.000	12.600	3.660
1300.000	11.940	5.238
1350.000	11.700	5.141
1400.000	11.940	4.828
1450.000	11.760	4.937
1500.000	11.400	4.624
1550.000	12.600	4.118

---> Comment : END1

LINE: 2 Direction: W
Date: 16-10-91 Time: 10:45
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 1550 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
1550.000	12.720	2.745
1500.000	14.100	3.034
1450.000	12.420	2.974
1400.000	12.120	2.805
1350.000	11.220	2.757
1300.000	11.220	2.312
1250.000	11.400	2.444
1200.000	13.320	2.528
1150.000	12.300	2.179
1100.000	12.660	1.914
1050.000	12.480	1.553
1000.000	12.660	2.131
950.000	12.540	2.023
900.000	12.660	2.083
850.000	13.320	2.119
800.000	13.140	1.926
750.000	12.720	2.119
700.000	12.780	2.131
650.000	13.020	2.167
600.000	15.360	2.336
550.000	27.180	4.876
500.000	13.080	1.926
450.000	12.840	1.457
400.000	13.080	3.287
350.000	13.260	3.648
300.000	12.420	3.949
250.000	12.240	3.407
200.000	11.220	3.179
150.000	11.340	3.251
100.000	14.460	2.817
50.000	12.780	2.589
0.000	14.100	2.926

---> Comment : END2

LINE: 3 Direction: E
Date: 16-10-91 Time: 10:59
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 0 Final station: 1550

Station	Cond.[mS/m]	Inphase [ppt]
0.000	14.760	2.878
50.000	12.300	2.733
100.000	11.400	2.709
150.000	9.840	2.504
200.000	12.600	3.793
250.000	9.059	3.817
300.000	13.200	3.672
350.000	13.080	3.684
400.000	12.840	3.588
450.000	12.900	3.299
500.000	13.200	3.576
550.000	21.780	5.057
600.000	14.040	3.757
650.000	13.140	3.118
700.000	12.900	3.142
750.000	12.840	2.685
800.000	13.320	2.601
850.000	12.360	2.625
900.000	11.940	2.227
950.000	0.600	-32.790
1000.000	12.420	2.504
1050.000	11.940	2.420
1100.000	11.820	4.058
1150.000	11.940	3.034
1200.000	12.060	3.431
1250.000	11.940	3.407
1300.000	12.180	3.431
1350.000	11.700	3.395
1400.000	11.940	3.347
1450.000	11.880	3.275
1500.000	12.840	3.311
1550.000	11.340	3.179

Error in reading due to equipment malfunction.

---> Comment : ENDS

LINE: 4 Direction: W
Date: 16-10-91 Time: 11:17
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 1550 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
1550.000	11.220	2.986
1500.000	12.360	3.022
1450.000	11.580	2.601
1400.000	11.460	2.769
1350.000	11.700	2.492
1300.000	11.580	2.504
1250.000	12.240	1.878
1200.000	12.540	0.975
1150.000	12.300	1.360
1100.000	12.300	1.228
1050.000	12.180	1.011
1000.000	11.760	1.204
950.000	11.520	1.288
900.000	11.280	1.505
850.000	11.700	1.517
800.000	12.480	1.565
750.000	12.840	1.625
700.000	12.900	1.264
650.000	12.540	1.384
600.000	13.740	1.842
550.000	1.080	-1.481
500.000	14.100	2.300
450.000	13.140	1.962
400.000	12.660	1.950
350.000	12.720	1.890
300.000	12.960	1.529
250.000	5.280	2.035
200.000	12.480	2.360
150.000	22.440	2.372
100.000	13.260	2.155
50.000	12.420	2.348
0.000	14.340	2.793

---> Comment : END4

LINE: 5 Direction: E
Date: 16-10-91 Time: 11:35
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 0 Final station: 1550

Station	Cond.[mS/m]	Inphase [ppt]
0.000	14.220	2.733
50.000	12.660	2.829
100.000	9.720	2.239
150.000	15.180	2.384
200.000	18.000	2.348
250.000	11.700	2.576
300.000	13.500	2.673
350.000	12.060	2.312
400.000	11.940	2.336
450.000	12.660	1.541
500.000	14.520	2.312
550.000	-6.840	-1.613
600.000	13.740	2.263
650.000	12.840	2.107
700.000	12.480	2.095
750.000	12.360	1.697
800.000	11.700	1.842
850.000	11.520	1.842
900.000	11.520	1.842
950.000	11.820	1.709
1000.000	12.000	1.589
1050.000	12.420	1.457
1100.000	12.000	1.481
1150.000	11.580	0.180
1200.000	11.880	1.204
1250.000	11.880	0.987
1300.000	11.460	1.240
1350.000	12.240	0.770
1400.000	12.060	1.192
1450.000	11.760	0.975
1500.000	12.180	0.975
1550.000	12.120	1.071

---> Comment : ENDS

LINE: 6 Direction: W
Date: 16-10-91 Time: 11:52
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 1550 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
1550.000	11.820	0.578
1500.000	11.400	-0.746
1450.000	11.040	-0.770
1400.000	11.220	-0.650
1350.000	11.040	-0.553
1300.000	11.520	-0.120
1250.000	11.700	-0.457
1200.000	11.220	-0.433
1150.000	11.220	-0.493
1100.000	12.000	-0.578
1050.000	11.640	-0.686
1000.000	11.580	-0.529
950.000	11.580	-0.867
900.000	11.220	-0.529
850.000	10.740	-0.614
800.000	11.040	0.096
750.000	11.340	0.048
700.000	11.580	0.240
650.000	11.580	0.578
600.000	12.540	0.891
550.000	23.820	2.817
500.000	13.920	0.674
450.000	12.540	0.469
400.000	12.300	-0.024
350.000	12.480	0.325
300.000	12.660	0.325
250.000	10.500	0.084
200.000	12.600	1.697
150.000	12.120	2.287
100.000	11.760	2.697
50.000	11.460	2.396
0.000	13.920	2.685

---> Comment : ENDS

LINE: 7 Direction: E
Date: 16-10-91 Time: 12: 9
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 0 Final station: 1550

Station	Cond.[mS/m]	Inphase [ppt]
0.000	14.520	2.661
50.000	12.180	2.841
100.000	12.780	2.697
150.000	12.600	2.348
200.000	12.120	2.312
250.000	13.020	2.576
300.000	13.140	2.432
350.000	11.160	2.564
400.000	12.420	2.179
450.000	12.360	3.829
500.000	14.400	4.648
550.000	28.140	7.357
600.000	12.900	3.949
650.000	11.640	3.877
700.000	11.280	3.889
750.000	11.040	3.660
800.000	10.740	3.395
850.000	10.860	2.998
900.000	11.400	2.300
950.000	11.580	2.203
1000.000	11.700	2.239
1050.000	11.520	2.203
1100.000	11.700	1.866
1150.000	11.700	1.842
1200.000	11.580	1.637
1250.000	11.940	1.721
1300.000	12.120	1.866
1350.000	12.600	1.782
1400.000	11.940	1.408
1450.000	10.980	2.143
1500.000	11.700	2.709
1550.000	12.900	2.613

---> Comment : END7

LINE: 8 Direction: W
Date: 16-10-91 Time: 12:28
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 1600 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
1600.000	10.680	2.793
1550.000	11.400	2.564
1500.000	12.180	2.251
1450.000	12.420	2.516
1400.000	12.300	2.179
1350.000	12.420	2.155
1300.000	12.000	1.505
1250.000	11.640	2.083
1200.000	11.280	1.854
1150.000	11.340	1.950
1100.000	10.860	1.878
1050.000	10.980	1.601
1000.000	10.800	1.517
950.000	10.860	1.613
900.000	10.440	1.204
850.000	10.620	2.576
800.000	10.560	2.986
750.000	10.920	2.962
700.000	10.740	2.962
650.000	10.500	2.902
600.000	12.540	2.938
550.000	21.960	5.202
500.000	13.800	3.528
450.000	11.520	2.492
400.000	11.460	2.649
350.000	11.100	2.324
300.000	11.940	2.733
250.000	12.360	2.348
200.000	12.300	3.480
150.000	12.780	3.070
100.000	12.540	3.407
50.000	12.060	3.672
0.000	15.420	6.225

LINE: 9 Direction: E
Date: 16-10-91 Time: 13:26
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 0 Final station: 1600

Station	Cond.[mS/m]	Inphase [ppt]
0.000	13.860	2.878
50.000	11.640	2.709
100.000	14.760	2.589
150.000	9.480	2.540
200.000	13.440	2.408
250.000	15.480	2.215
300.000	10.920	2.637
350.000	11.340	2.191
400.000	11.940	2.131
450.000	12.120	2.601
500.000	15.720	3.480
550.000	19.320	3.949
600.000	11.820	2.396
650.000	12.120	2.745
700.000	10.920	2.733
750.000	10.560	2.709
800.000	11.400	2.251
850.000	11.580	3.106
900.000	11.220	2.444
950.000	11.820	2.155
1000.000	11.880	2.564
1050.000	11.760	2.613
1100.000	12.300	2.661
1150.000	12.060	2.420
1200.000	12.360	2.673
1250.000	12.660	2.420
1300.000	12.840	2.010
1350.000	12.360	2.444
1400.000	10.980	2.191
1450.000	9.720	0.108
1500.000	9.599	0.758
1550.000	9.540	0.915
1600.000	7.560	1.047

---> Comment : END9

LINE: 10 Direction: W
 Date: 16-10-91 Time: 13:51
 Component: Both Dipole mode: Vertical Instrument Orientation: 1
 Start station: 1600 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
1600.000	9.059	1.059
1550.000	8.940	1.119
1500.000	9.180	0.770
1450.000	9.780	0.999
1400.000	9.660	0.915
1350.000	10.140	0.854
1300.000	10.560	0.842
1250.000	11.460	0.842
1200.000	12.180	0.975
1150.000	12.960	0.927
1100.000	12.840	0.674
1050.000	12.000	-0.674
1000.000	11.100	0.060
950.000	12.180	-0.638
900.000	11.760	-0.156
850.000	6.480	2.480
800.000	11.520	-0.313
750.000	10.980	-0.024
700.000	10.920	-0.108
650.000	11.040	-0.156
600.000	11.460	0.000
550.000	17.400	1.047
500.000	17.400	1.384
450.000	11.640	0.252
400.000	11.220	0.000
350.000	11.460	-0.096
300.000	10.140	0.156
250.000	9.900	0.072
200.000	10.620	-0.301
150.000	10.860	-0.072
100.000	11.400	-0.108
50.000	11.940	0.289
0.000	13.680	0.409

---> Comment : END10

LINE: 11 Direction: E
 Date: 16-10-91 Time: 14:14
 Component: Both Dipole mode: Vertical Instrument Orientation: 1
 Start station: 0 Final station: 1600
 Station Cond.[mS/m] Inphase [ppt]

0.000	13.860	0.999
50.000	12.360	1.420
100.000	11.700	1.420
150.000	11.340	1.204
200.000	11.640	1.276
250.000	11.040	1.324
300.000	10.680	1.107
350.000	10.860	1.252
400.000	11.100	1.240
450.000	11.940	1.637
500.000	23.460	3.793
550.000	14.940	2.336
600.000	11.460	1.372
650.000	11.400	1.517
700.000	12.780	1.517
750.000	11.880	1.011
800.000	12.420	1.071
850.000	12.240	1.168
900.000	12.300	0.951
950.000	12.600	-0.590
1000.000	12.780	-0.541
1050.000	12.480	-0.240
1100.000	11.340	-0.457
1150.000	10.260	-0.252
1200.000	9.840	-0.240
1250.000	9.540	0.012
1300.000	9.180	-0.108
1350.000	9.420	-0.216
1400.000	9.120	-0.240
1450.000	8.760	0.120
1500.000	8.940	0.204
1550.000	8.940	0.084
1600.000	9.000	-0.036

---> Comment : END11

LINE: 12 Direction: W
 Date: 16-10-91 Time: 14:31
 Component: Both Dipole mode: Vertical Instrument Orientation: 1
 Start station: 1600 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
1600.000	9.540	-0.770
1550.000	9.480	-0.216
1500.000	9.420	0.096
1450.000	9.420	0.156
1400.000	9.360	0.012
1350.000	9.059	-0.132
1300.000	8.940	0.024
1250.000	9.300	-0.048
1200.000	9.240	0.012
1150.000	8.880	-0.168
1100.000	10.200	-0.276
1050.000	11.340	-1.023
1000.000	9.900	3.263
950.000	14.460	-0.289
900.000	11.280	2.107
850.000	14.220	-0.180
800.000	13.920	0.276
750.000	14.100	0.000
700.000	13.140	0.072
650.000	12.720	0.228
600.000	12.660	0.349
550.000	15.180	0.927
500.000	30.060	3.973
450.000	12.780	0.529
400.000	12.300	0.481
350.000	11.580	0.590
300.000	11.700	0.252
250.000	11.520	0.301
200.000	12.480	0.337
150.000	12.600	0.469
100.000	13.260	0.264
50.000	13.860	0.084
0.000	14.340	0.529

---> Comment : END12

LINE: 13 Direction: E
 Date: 16-10-91 Time: 15: 1
 Component: Both Dipole mode: Vertical Instrument Orientation: 1
 Start station: 0 Final station: 1600

Station	Cond.[mS/m]	Inphase [ppt]
0.000	14.040	-1.902
50.000	11.880	-1.420
100.000	11.700	-1.721
150.000	11.700	-1.408
200.000	11.340	-1.372
250.000	11.340	-1.685
300.000	11.400	-1.216
350.000	11.700	-1.143
400.000	12.000	-0.975
450.000	12.540	-0.638
500.000	15.060	-0.216
550.000	13.140	-0.493
600.000	11.640	-1.384
650.000	12.180	-1.180
700.000	12.360	-1.095
750.000	13.740	-1.481
800.000	13.380	-0.975
850.000	8.880	1.023
900.000	13.800	-1.360
950.000	13.500	-1.300
1000.000	9.000	1.252
1050.000	10.980	-0.927
1100.000	10.560	0.024
1150.000	10.980	1.011
1200.000	11.820	1.408
1250.000	11.160	1.300
1300.000	11.220	1.300
1350.000	11.400	1.324
1400.000	11.700	1.276
1450.000	11.340	0.782
1500.000	11.520	1.156
1550.000	11.340	1.601
1600.000	10.800	1.288

---> Comment : END13

LINE: 14 Direction: W
 Date: 16-10-91 Time: 15:20
 Component: Both Dipole mode: Vertical Instrument Orientation: 1
 Start station: 1600 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
1600.000	11.700	1.107
1550.000	12.480	1.192
1500.000	11.700	0.662
1450.000	11.940	0.891
1400.000	17.880	0.481
1350.000	-0.120	3.540
1300.000	12.720	0.854
1250.000	12.300	0.493
1200.000	12.060	-1.685
1150.000	12.240	-1.529
1100.000	12.720	-1.240
1050.000	12.600	-1.071
1000.000	12.660	-1.059
950.000	13.740	-1.288
900.000	13.320	-0.891
850.000	10.680	0.806
800.000	13.740	-1.541
750.000	13.560	-1.288
700.000	13.320	-1.336
650.000	13.260	-1.180
600.000	12.600	-1.360
550.000	13.560	-1.577
500.000	3.960	-3.154
450.000	14.100	-0.385
400.000	12.000	-0.867
350.000	12.060	-0.879
300.000	12.060	-0.638
250.000	12.000	-0.758
200.000	12.960	-0.505
150.000	12.960	-0.830
100.000	13.740	-0.602
50.000	14.700	-0.698
0.000	15.720	-0.433

---> Comment : END14

LINE: 15 Direction: E
Date: 16-10-91 Time: 15:40
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 0 Final station: 1600

Station	Cond.[mS/m]	Inphase [ppt]
0.000	15.420	-0.361
50.000	14.760	-0.638
100.000	11.820	-0.433
150.000	12.180	-0.216
200.000	12.120	-0.409
250.000	11.640	-0.445
300.000	11.520	-0.373
350.000	12.180	-0.457
400.000	12.300	-0.698
450.000	14.400	-0.120
500.000	2.820	-2.504
550.000	13.680	-0.433
600.000	12.960	-0.614
650.000	12.960	1.517
700.000	13.800	2.480
750.000	13.320	2.263
800.000	11.460	3.431
850.000	11.460	2.589
900.000	11.940	2.637
950.000	13.200	2.492
1000.000	11.880	2.685
1050.000	12.240	2.119
1100.000	12.300	2.119
1150.000	11.640	1.866
1200.000	9.780	1.553
1250.000	13.560	1.794
1300.000	13.380	1.529
1350.000	13.200	1.770
1400.000	13.740	1.276
1450.000	12.060	1.589
1500.000	11.160	1.589
1550.000	12.300	1.770
1600.000	12.240	1.481

---> Comment : END15

LINE: 16 Direction: W
Date: 17-10-91 Time: 10:27
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 1700 Final station: 50

Station	Cond.[mS/m]	Inphase [ppt]
1700.000	10.080	0.445
---> Comment : S		
1650.000	16.380	3.745
1600.000	10.440	2.396
1550.000	7.440	2.336
1500.000	5.280	2.203
1450.000	5.940	-1.649
1400.000	15.360	2.420
1350.000	18.660	5.719
1300.000	16.140	5.587
1250.000	15.360	5.515
1200.000	10.380	4.034
1150.000	12.540	5.093
1100.000	12.360	5.370
1050.000	12.060	5.081
1000.000	12.540	4.792
950.000	10.260	4.539
900.000	11.640	4.419
850.000	6.660	2.432
800.000	12.300	2.769
750.000	11.940	2.781
700.000	6.960	2.817
650.000	12.360	2.781
600.000	17.520	2.673
550.000	11.820	2.890
500.000	23.880	2.865
450.000	11.580	2.841
400.000	14.940	2.914
350.000	10.440	2.974
300.000	11.400	2.853
250.000	10.560	2.841
200.000	12.720	3.022
150.000	12.960	2.902
100.000	12.240	2.564
50.000	12.060	2.986

---> Comment : END16

LINE: 17 Direction: E
Date: 17-10-91 Time: 11: 3
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 50 Final station: 1700

Station	Cond.[mS/m]	Inphase [ppt]
50.000	11.400	5.683
100.000	12.480	5.780
150.000	12.060	5.479
200.000	11.220	5.454
250.000	9.840	5.358
300.000	10.380	4.768
350.000	22.380	0.770
400.000	13.680	1.264
450.000	15.060	1.336
500.000	-2.520	1.613
550.000	11.400	1.613
600.000	0.300	1.914
650.000	17.100	1.673
700.000	7.440	1.938
750.000	12.540	1.493
800.000	12.000	5.021
850.000	14.880	4.768
900.000	12.000	4.467
950.000	12.120	4.575
1000.000	12.240	4.094
1050.000	12.900	3.961
1100.000	16.440	4.021
1150.000	11.160	2.974
1200.000	21.000	5.021
1250.000	37.600	5.948
1300.000	21.960	7.526
1350.000	4.200	6.719
1400.000	-31.200	11.403
1450.000	12.840	5.274
1500.000	9.240	5.190
1550.000	10.680	5.105
1600.000	11.220	4.624
1650.000	14.880	5.900
1700.000	9.180	3.395

---> Comment : END17

LINE: 18 Direction: W
Date: 17-10-91 Time: 11:30
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 1700 Final station: 100

Station	Cond.[mS/m]	Inphase [ppt]
1700.000	9.240	0.421
1650.000	15.000	4.371
1600.000	12.180	3.215
1550.000	7.500	3.251
1500.000	2.760	-32.958
1450.000	5.880	5.141
1400.000	-6.900	6.671
1350.000	18.060	3.540
1300.000	16.200	2.251
1250.000	36.600	3.263
1200.000	17.040	3.022
1150.000	11.520	2.516
1100.000	12.900	3.745
1050.000	12.660	3.118
1000.000	11.880	3.082
950.000	10.920	3.082
900.000	11.340	3.154
850.000	11.160	3.395
800.000	10.500	3.227
750.000	11.400	3.034
700.000	11.640	2.962
650.000	11.880	3.142
600.000	15.360	3.179
550.000	12.000	3.311
500.000	9.840	3.468
450.000	24.360	3.082
400.000	12.540	3.323
350.000	13.380	6.309
300.000	11.040	6.346
250.000	10.920	6.346
200.000	11.400	6.153
150.000	13.200	6.165
100.000	12.840	6.117

---> Comment : END18

LINE: 19 Direction: E
Date: 17-10-91 Time: 11:50
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 50 Final station: 1650

Station	Cond.[mS/m]	Inphase [ppt]
50.000	13.080	6.406
100.000	11.760	6.321
150.000	11.280	5.659
200.000	10.680	5.864
250.000	11.820	5.948
300.000	13.260	5.731
350.000	12.180	5.756
400.000	12.960	5.816
450.000	10.860	5.816
500.000	12.120	5.551
550.000	11.640	5.683
600.000	12.720	5.587
650.000	8.040	5.756
700.000	11.700	3.118
750.000	12.240	3.407
800.000	15.900	3.287
850.000	12.480	3.528
900.000	12.540	3.660
950.000	13.440	3.708
1000.000	13.500	3.648
1050.000	13.980	3.540
1100.000	10.920	3.769
1150.000	11.940	3.046
1200.000	16.500	1.746
1250.000	19.200	1.914
1300.000	17.460	5.503
1350.000	22.980	2.035
1400.000	20.220	2.890
1450.000	11.880	2.408
1500.000	10.680	1.902
1550.000	11.280	2.324
1600.000	17.340	3.865
1650.000	9.720	0.204

---> Comment : END19

LINE: 20 Direction: W
Date: 17-10-91 Time: 12: 6
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 1700 Final station: 100

Station	Cond.[mS/m]	Inphase [ppt]
1700.000	9.900	-0.457
1650.000	16.920	3.720
1600.000	10.620	2.878
1550.000	10.260	2.721
1500.000	11.040	2.613
1450.000	11.700	2.576
1400.000	11.640	2.733
1350.000	11.040	2.516
1300.000	11.460	2.637
1250.000	11.400	2.914
1200.000	9.599	2.853
1150.000	10.440	2.432
1100.000	12.600	2.697
1050.000	13.860	3.817
1000.000	13.680	3.997
950.000	12.600	3.757
900.000	12.480	3.973
850.000	10.020	4.202
800.000	11.640	4.082
750.000	11.340	4.058
700.000	17.040	3.720
650.000	12.240	3.853
600.000	17.400	4.491
550.000	13.080	4.250
500.000	13.080	3.961
450.000	13.560	3.841
400.000	13.680	3.865
350.000	14.040	3.865
300.000	11.580	3.901
250.000	11.400	2.384
200.000	10.620	2.998
150.000	12.660	3.154
100.000	12.900	2.974

---> Comment : END20

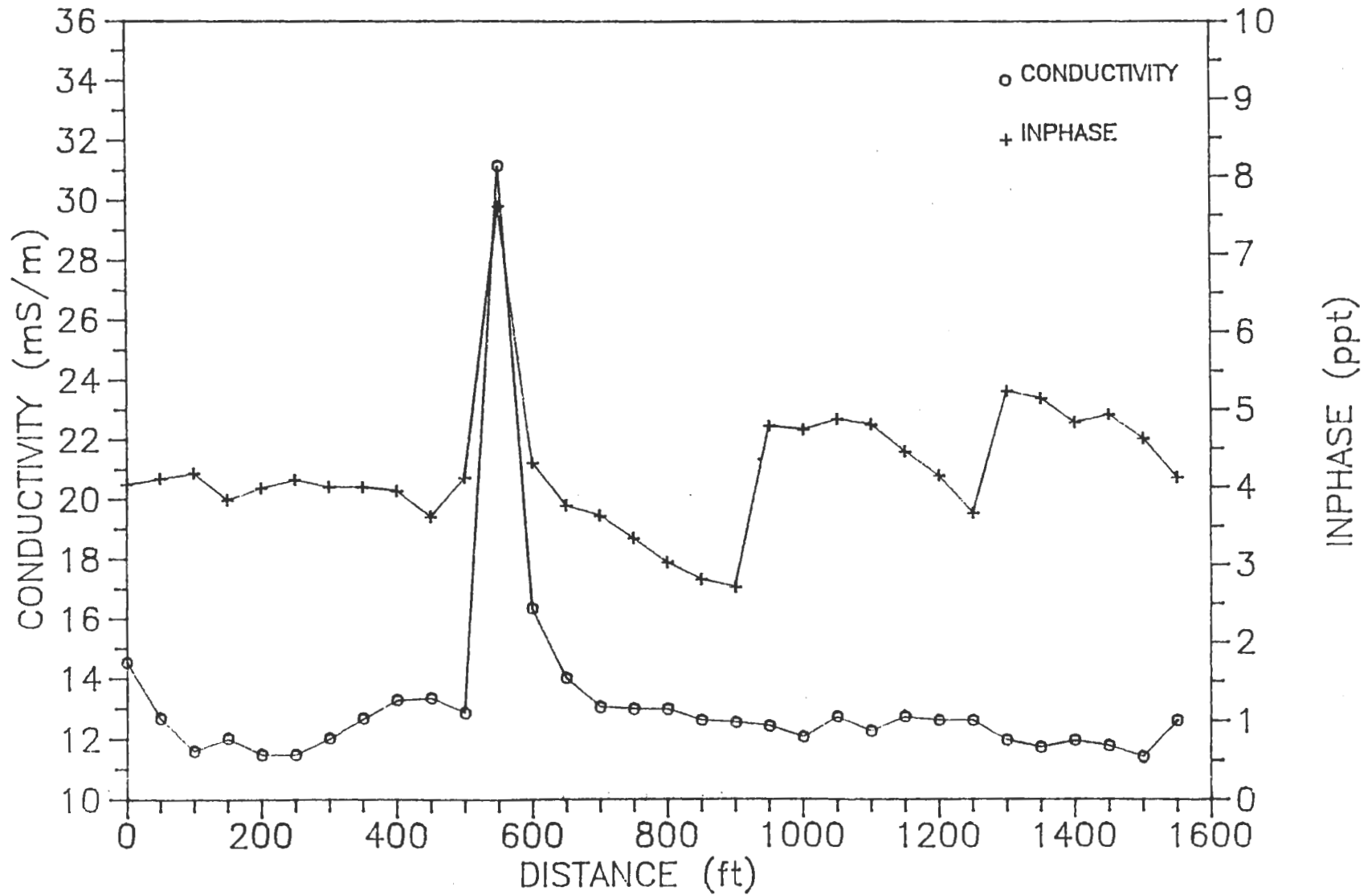


**EM-31 SURVEY
LINE PLOTS**

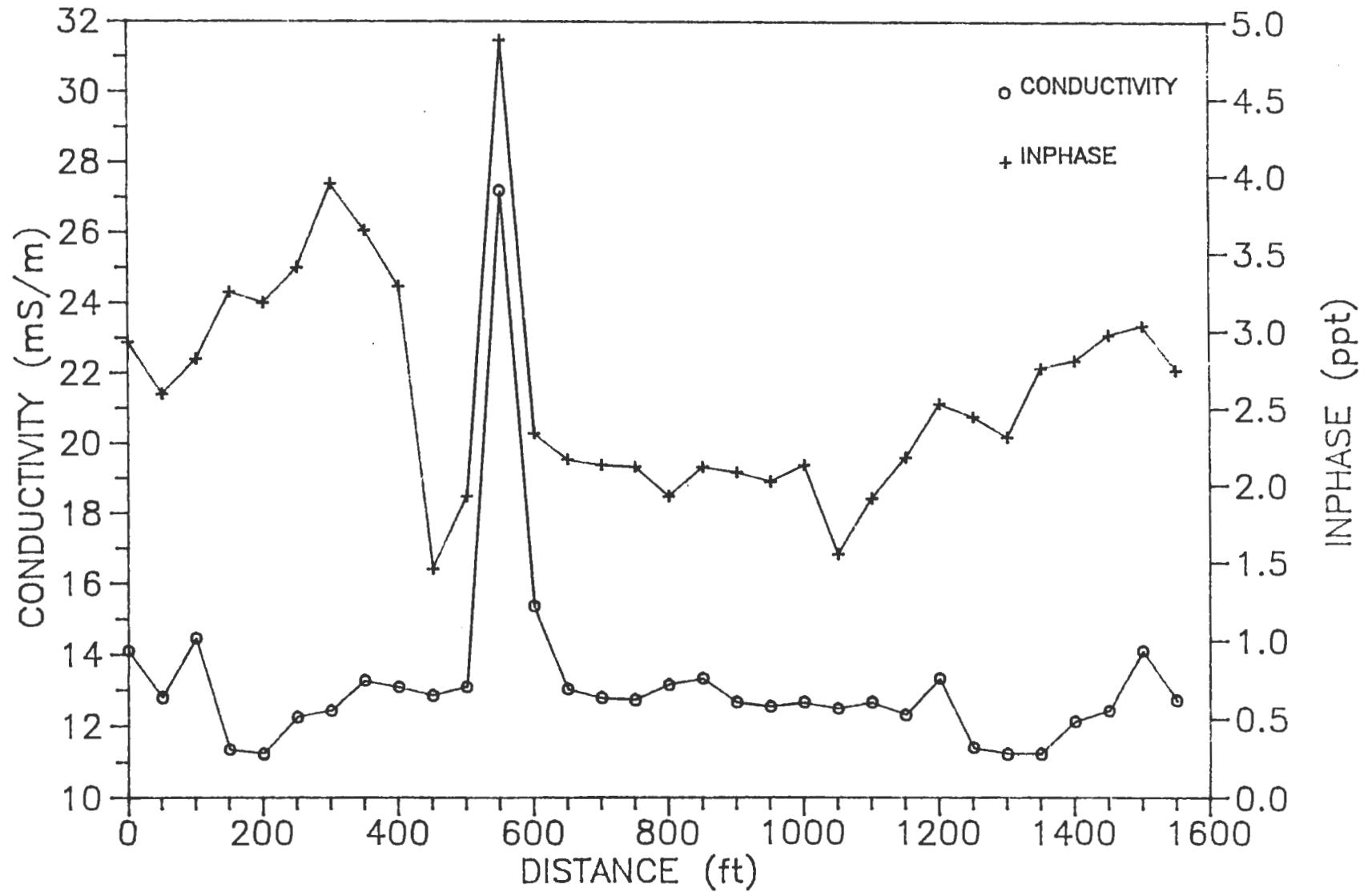
APPENDIX C

EM-31 SURVEY LINE PLOTS

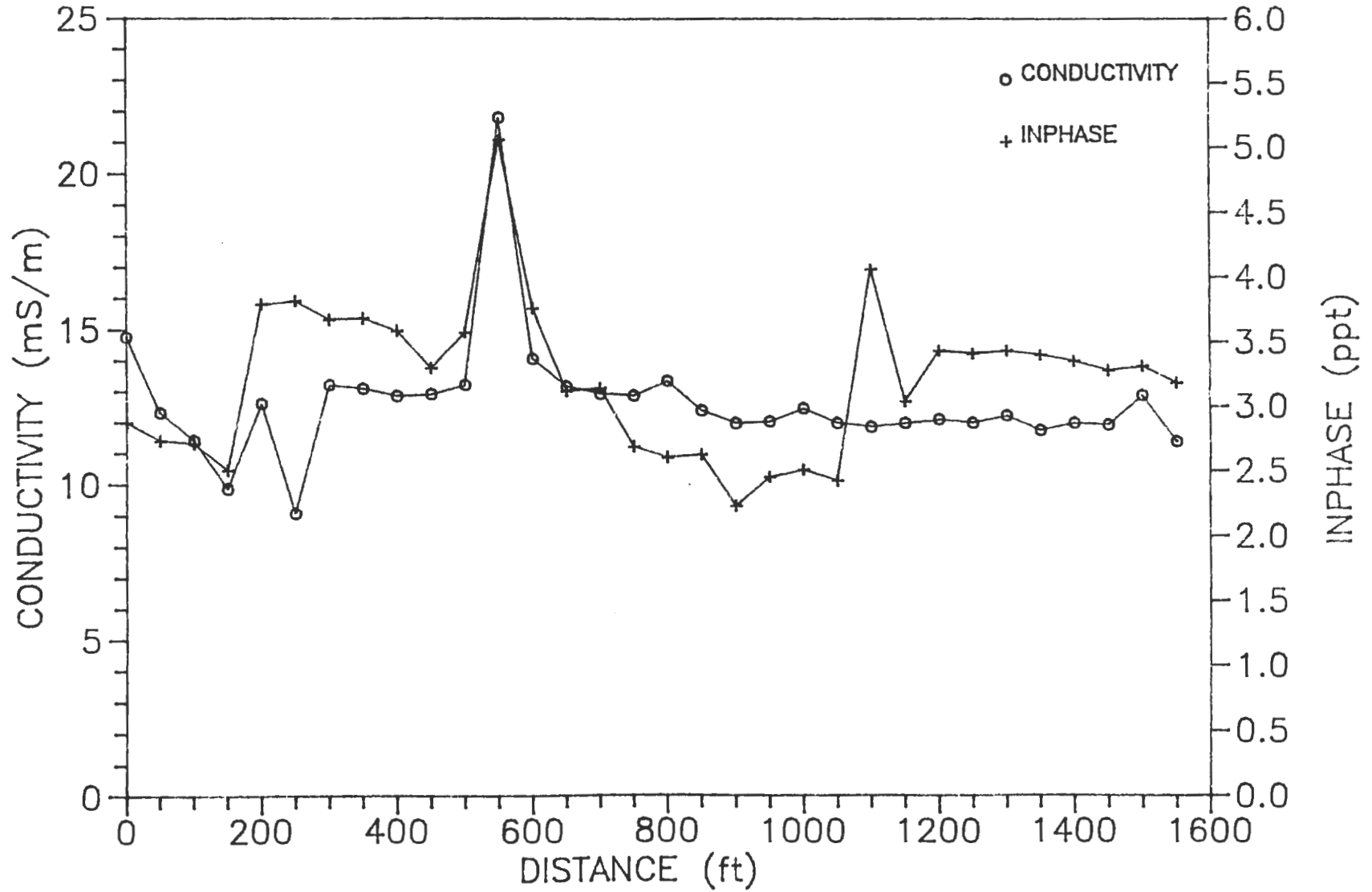
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EM-31 SURVEY LINE PLOTS
LINE 1



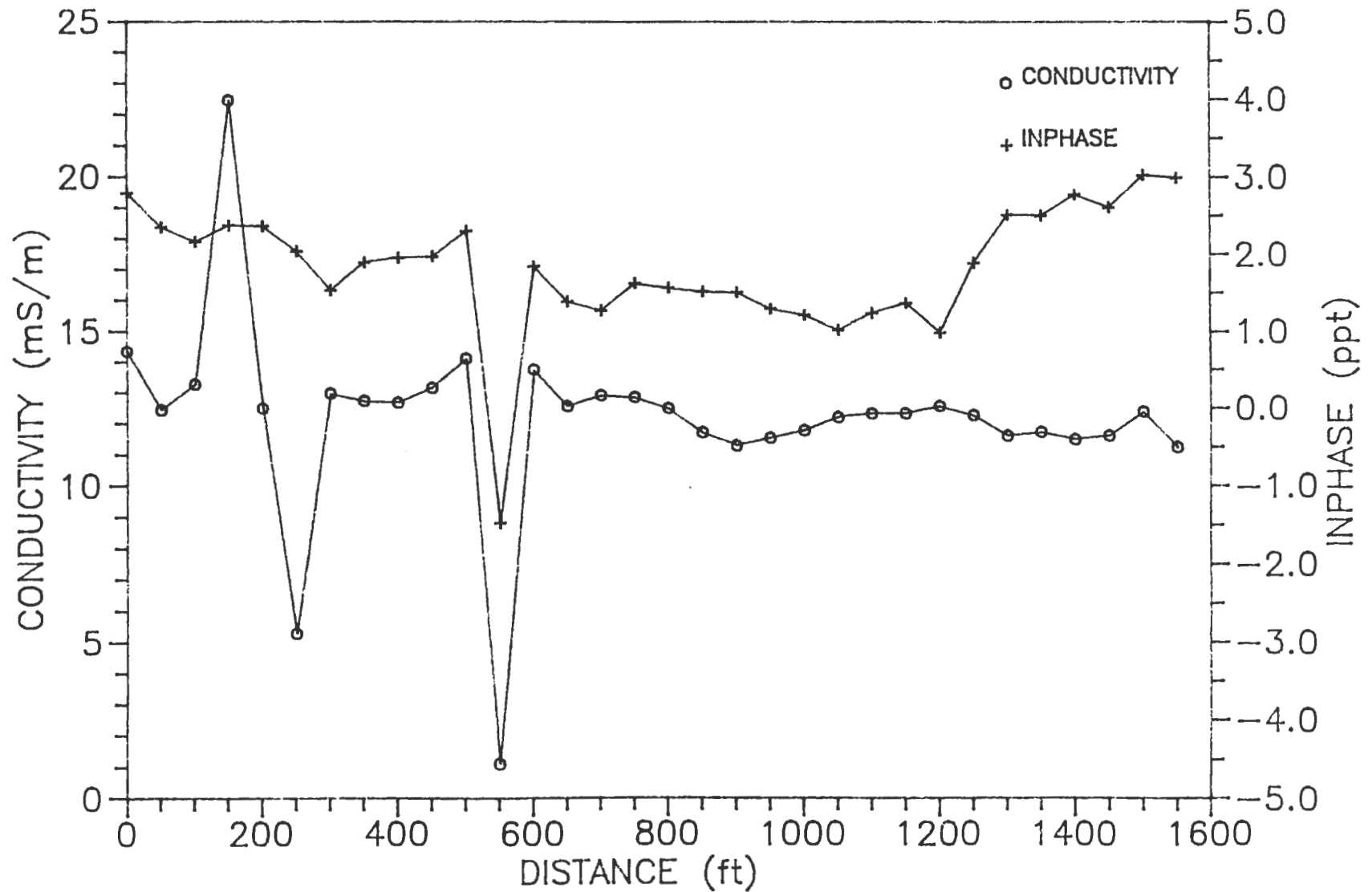
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EM-31 SURVEY LINE PLOTS
LINE 2



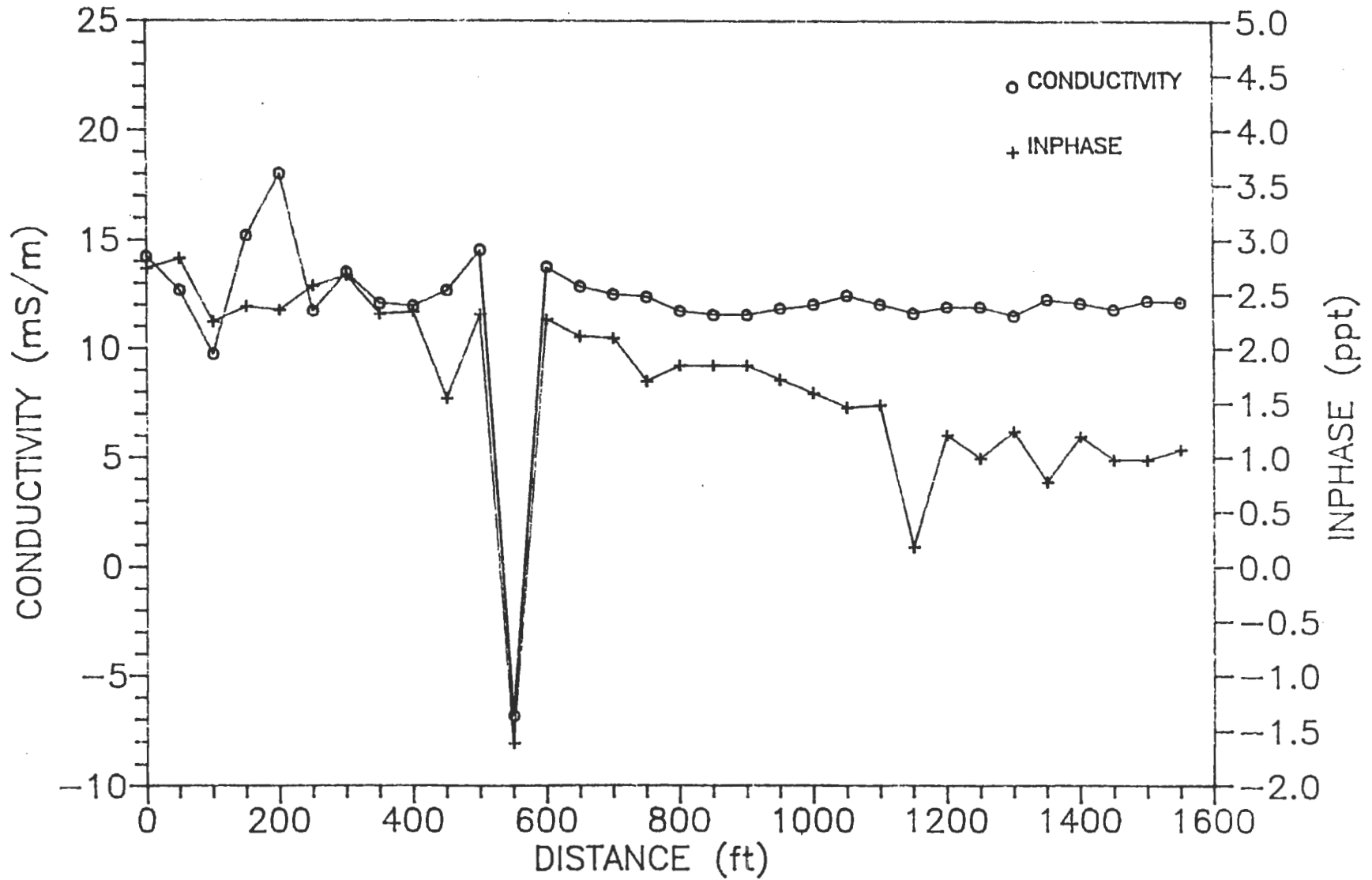
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EM-31 SURVEY LINE PLOTS
LINE 3



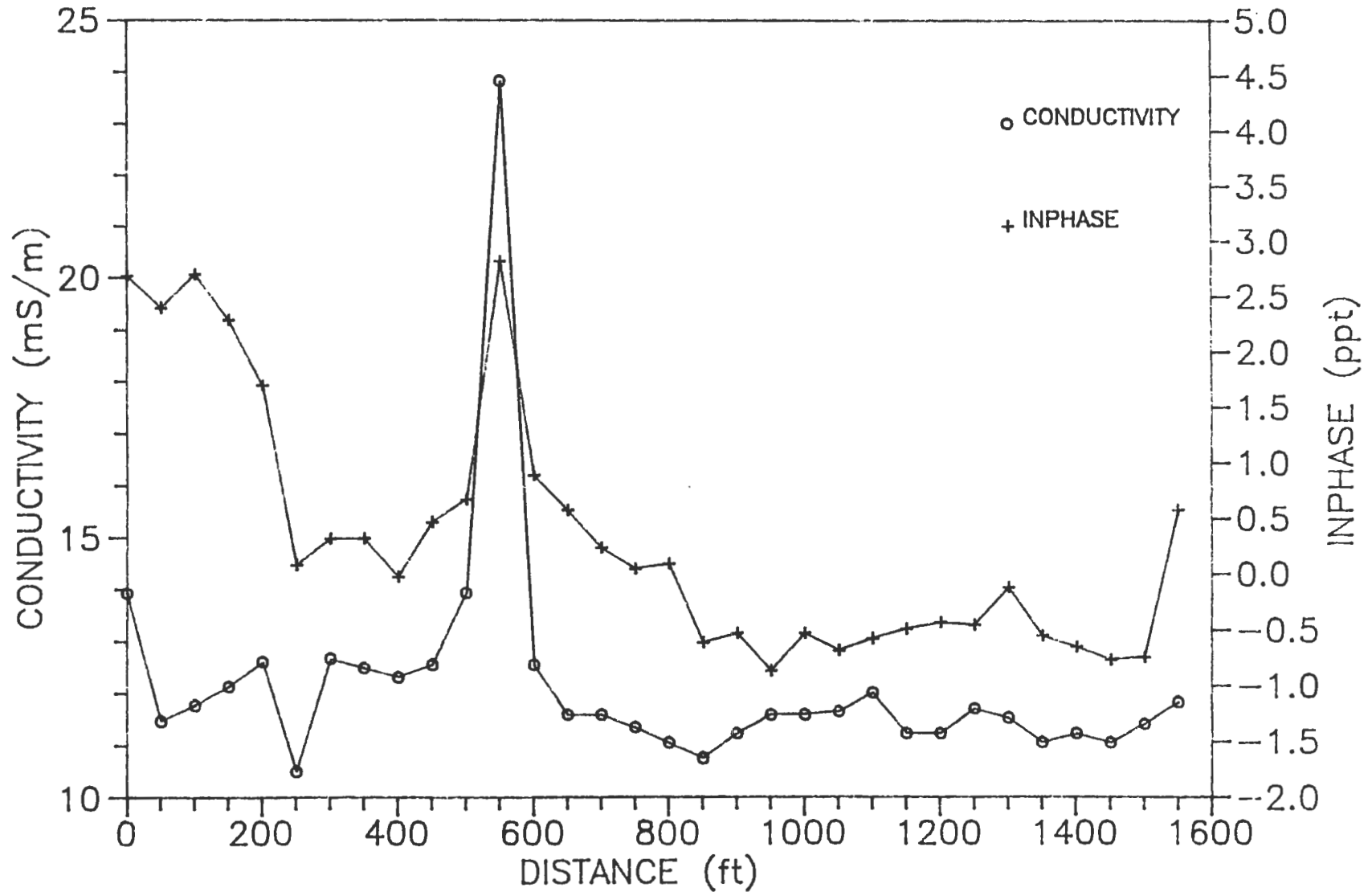
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EM-31 SURVEY LINE PLOTS
LINE 4



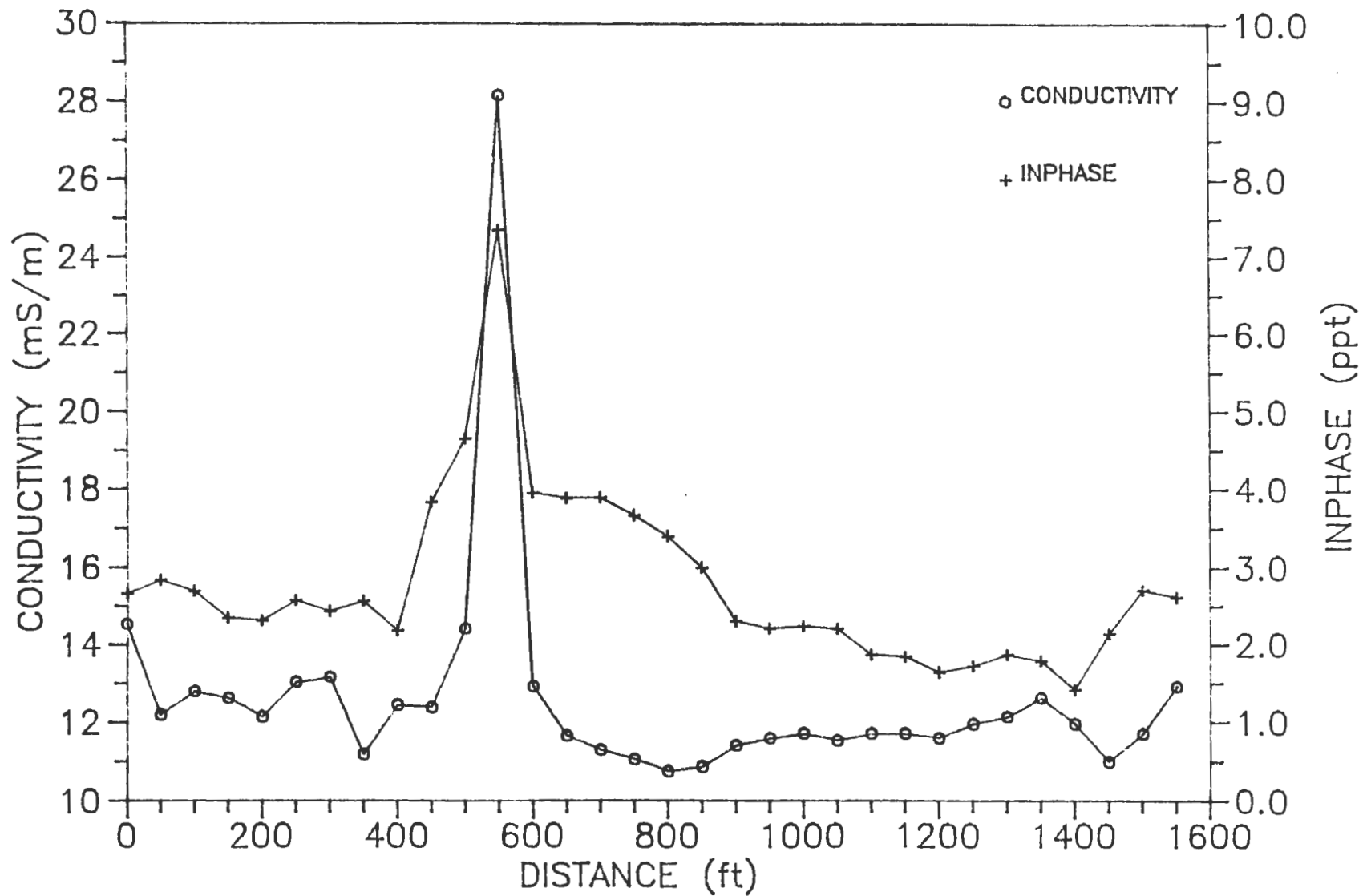
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EM-31 SURVEY LINE PLOTS
LINE 5



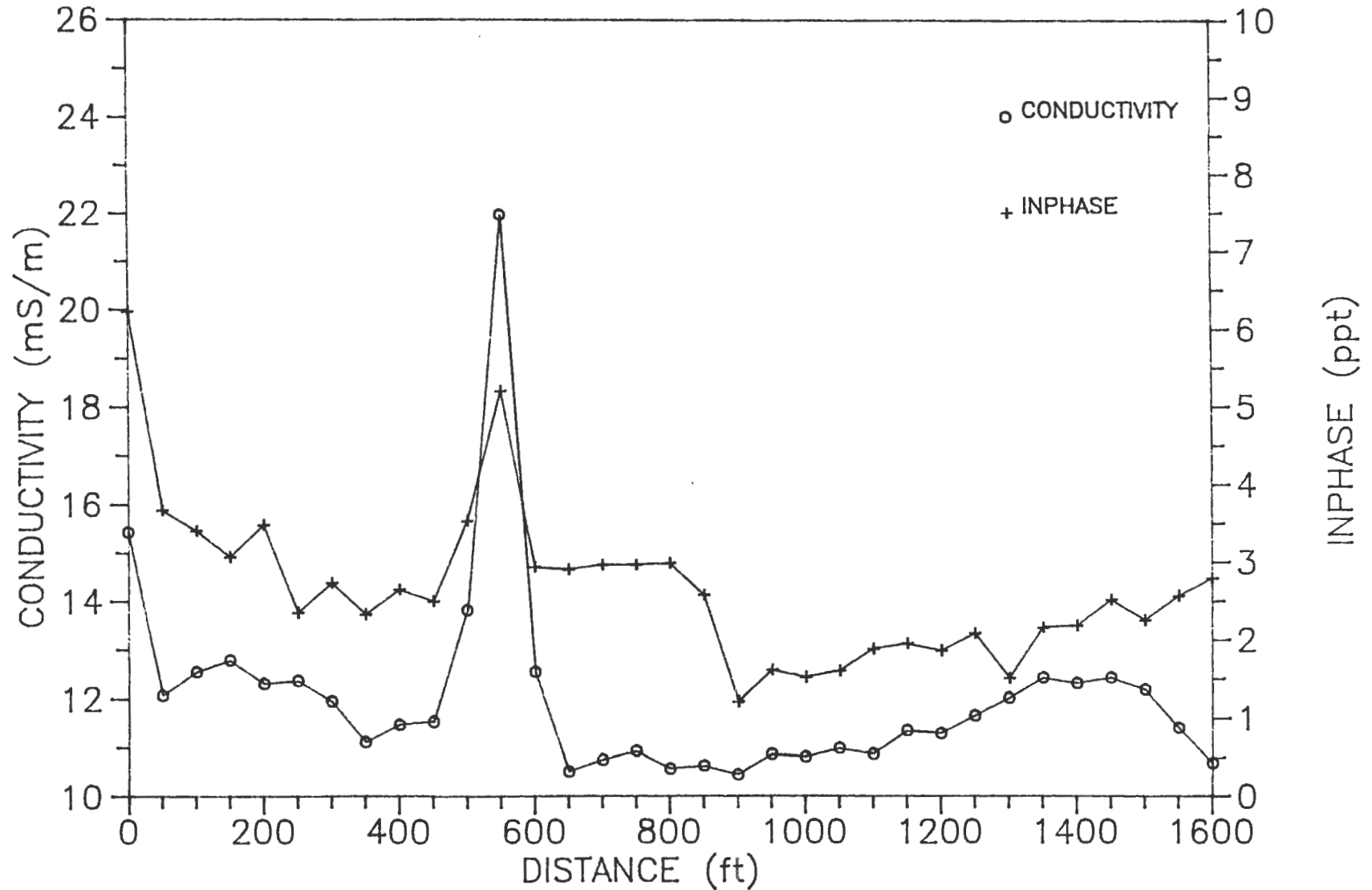
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EM-31 SURVEY LINE PLOTS
LINE 6



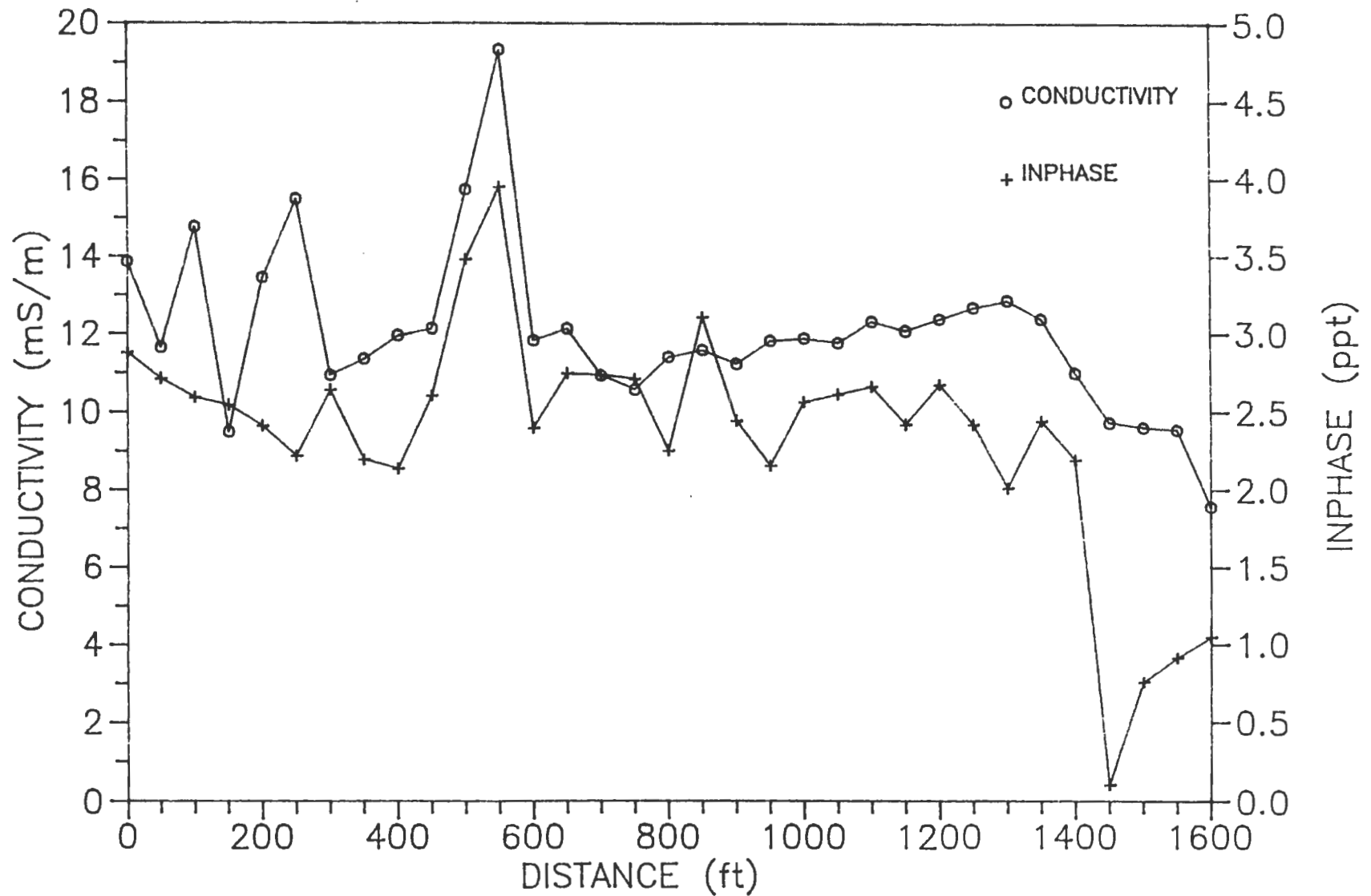
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EM-31 SURVEY LINE PLOTS
LINE 7



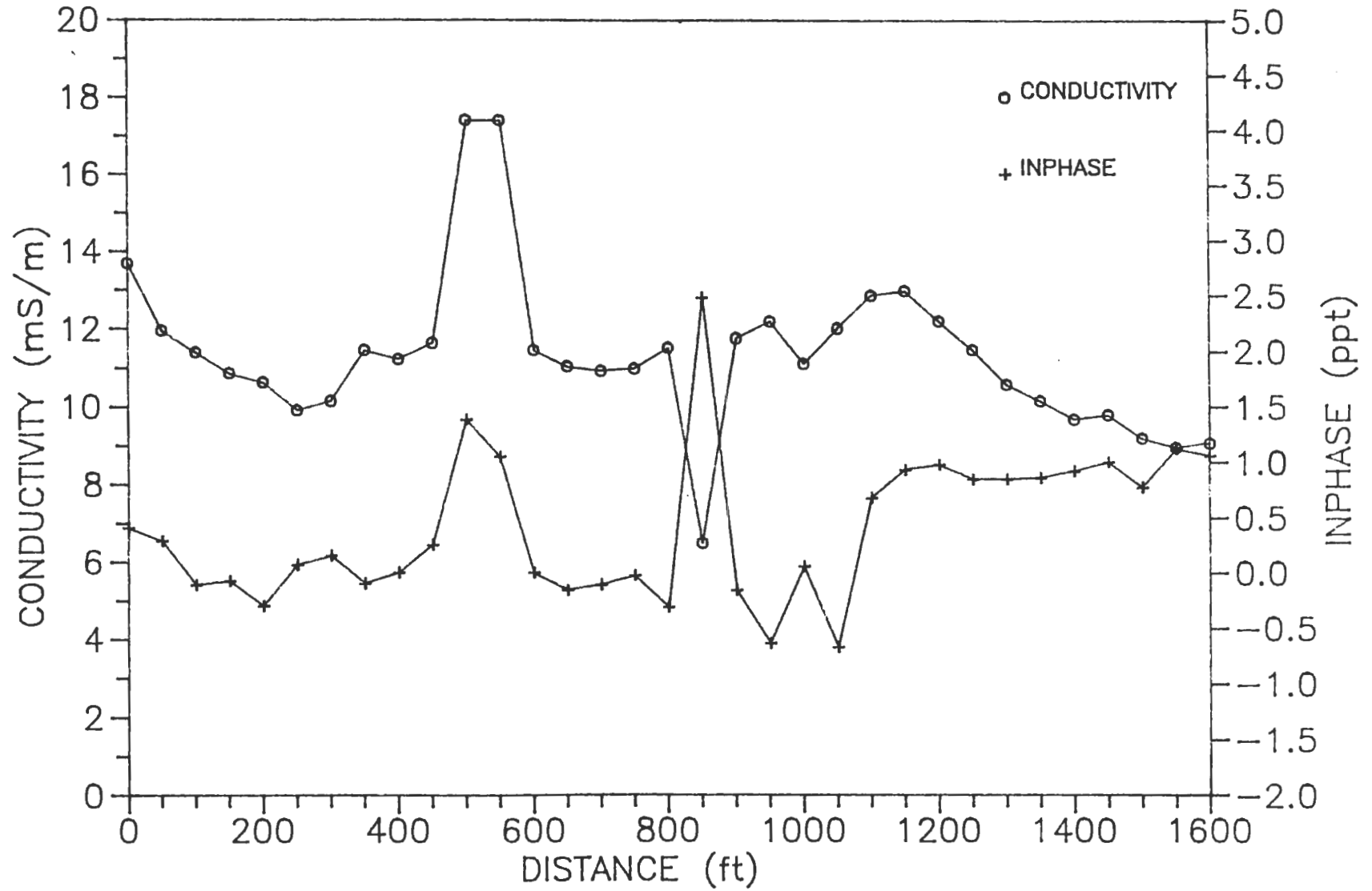
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EM-31 SURVEY LINE PLOTS
LINE 8



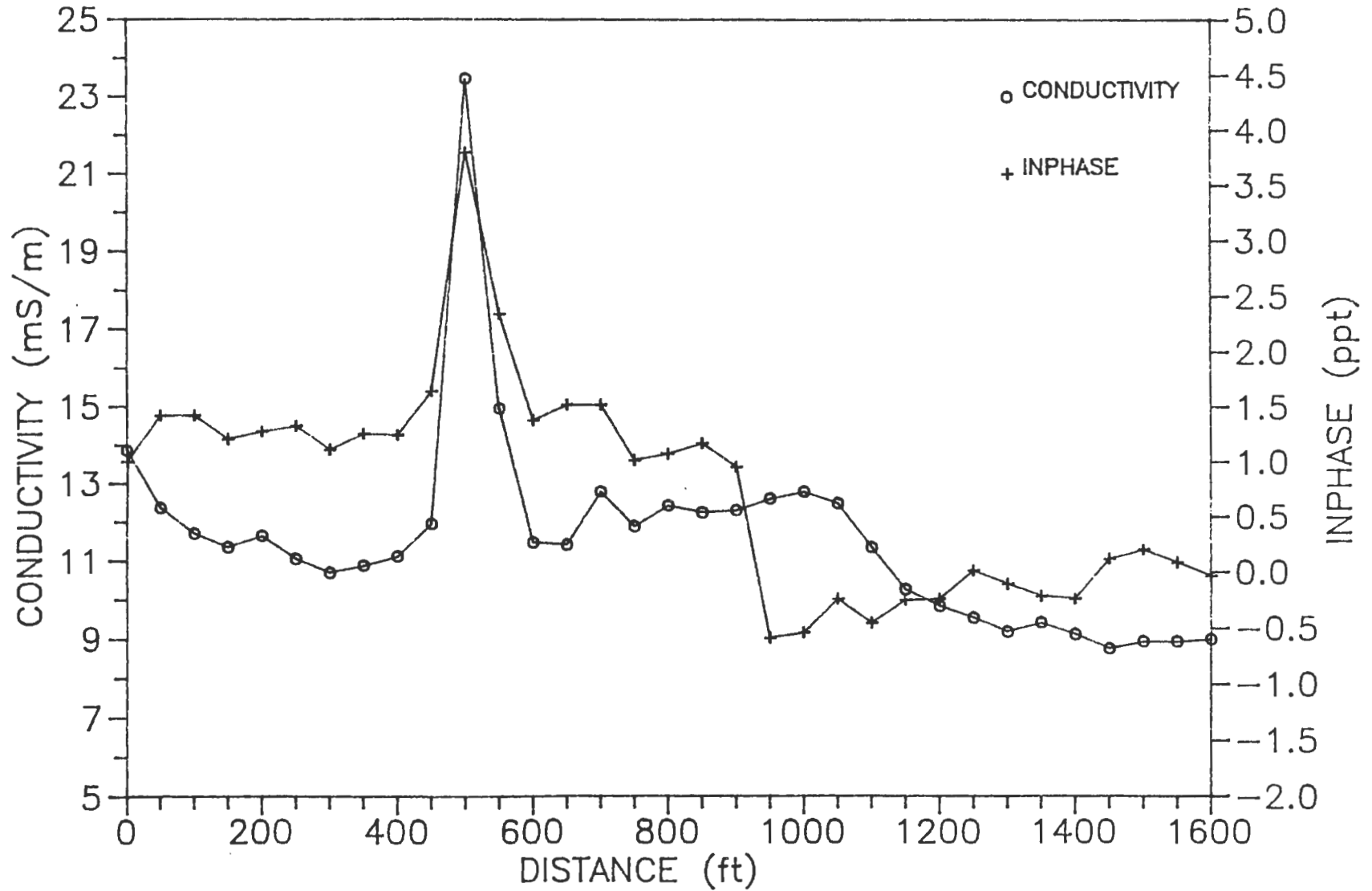
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EM-31 SURVEY LINE PLOTS
LINE 9



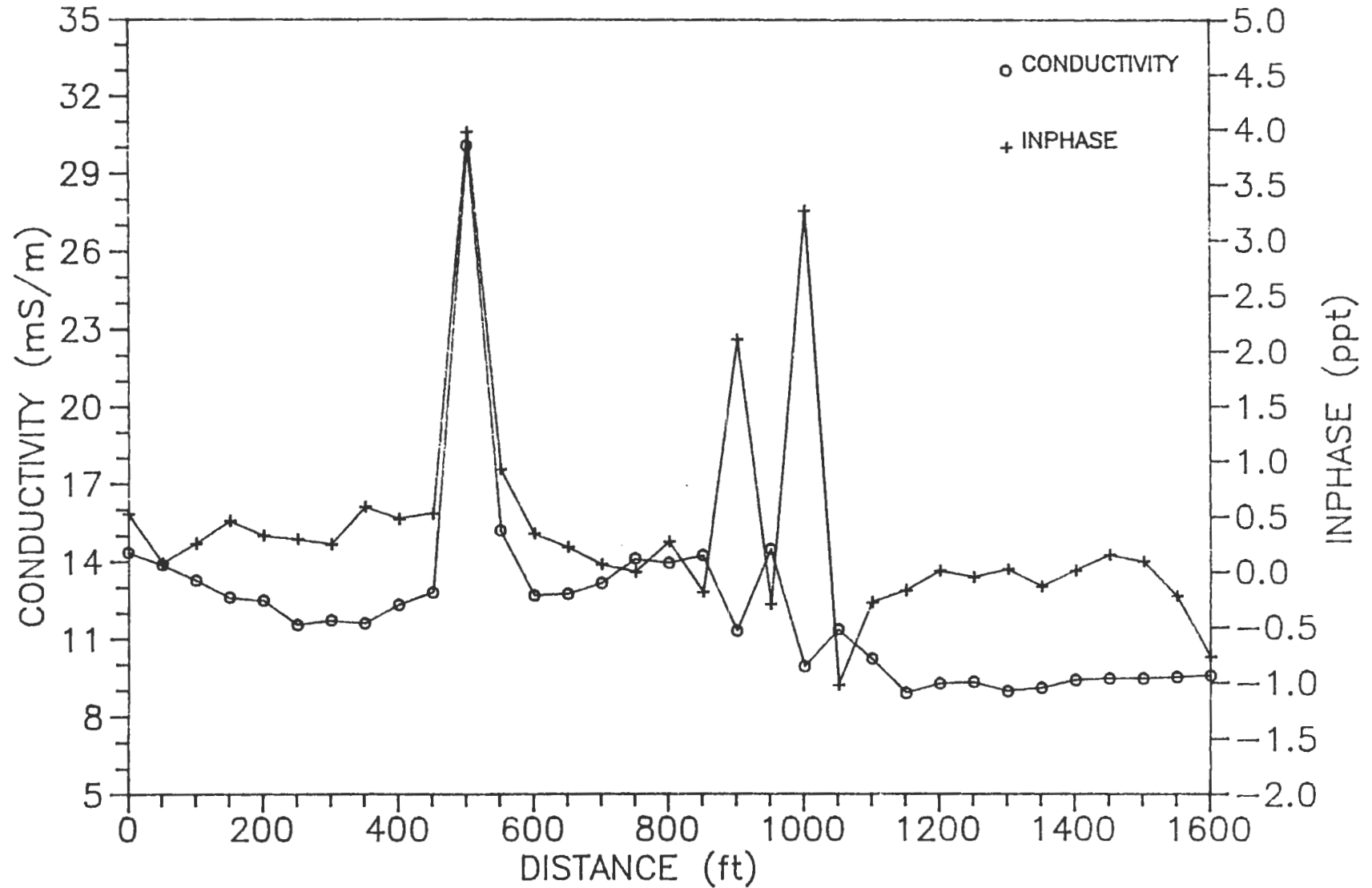
SEAD - ASH LANDFILL
EM-31 SURVEY LINE PLOTS
LINE 10



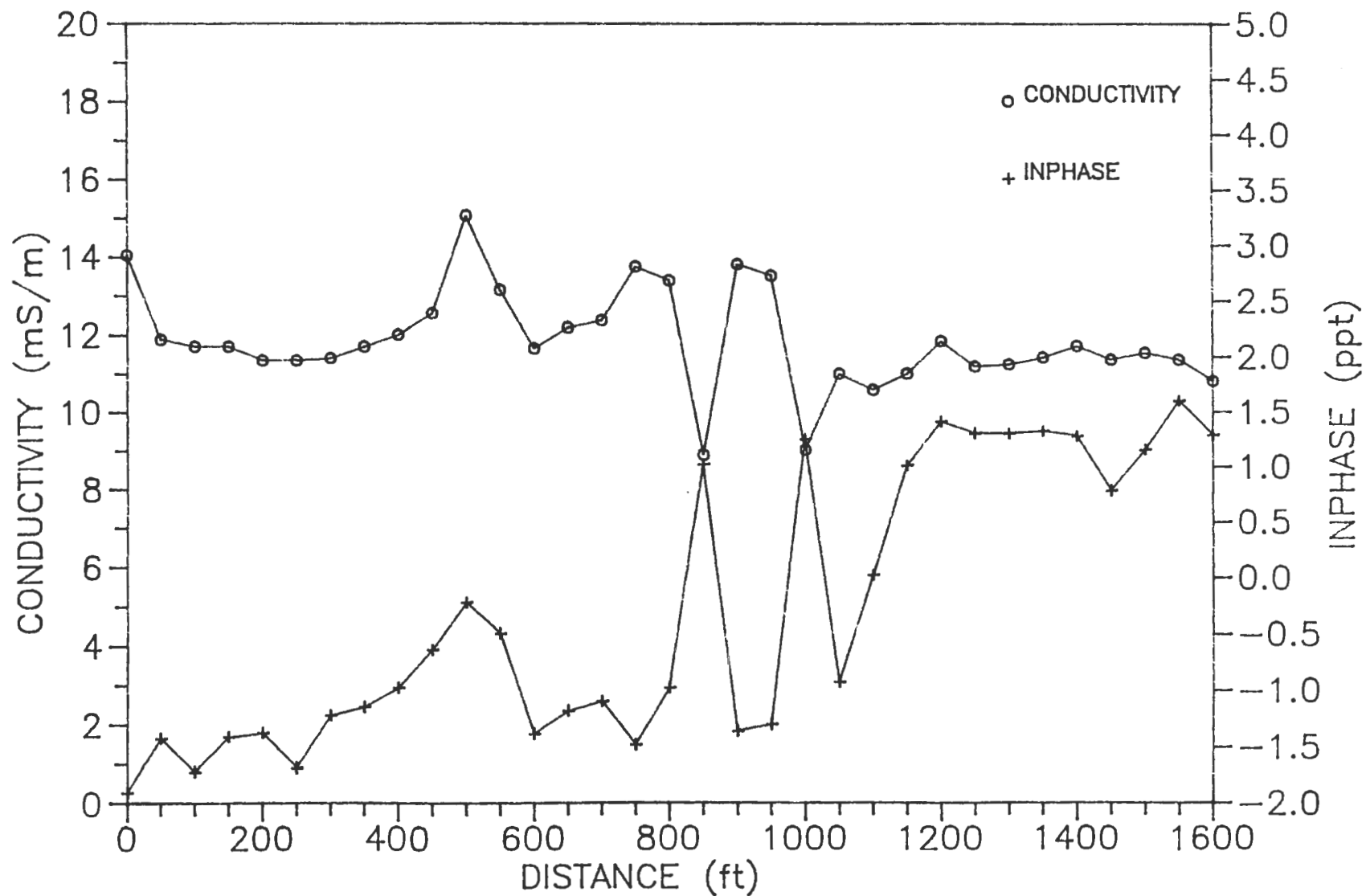
SEAD - ASH LANDFILL
EM-31 SURVEY LINE PLOTS
LINE 11



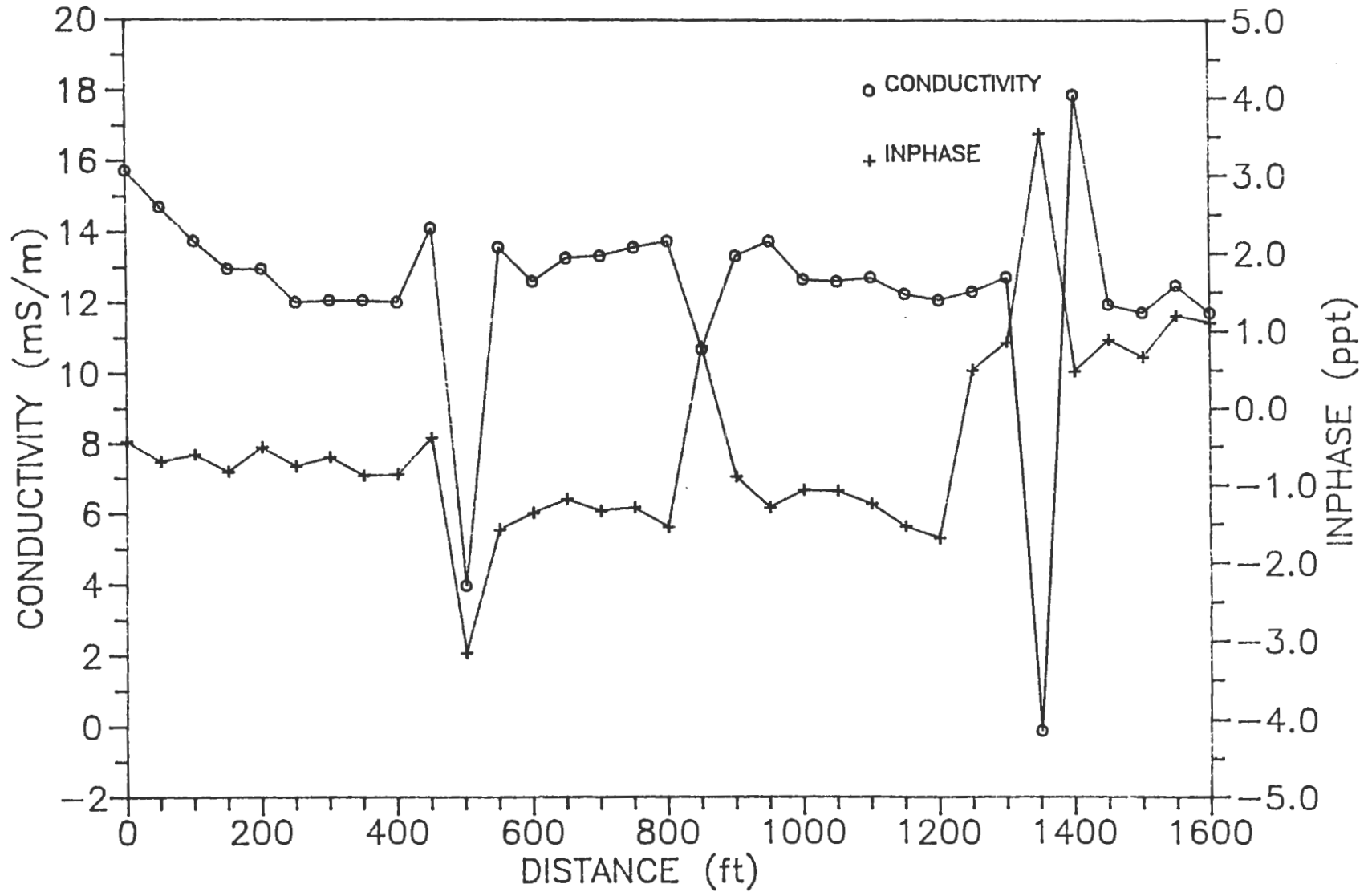
SEAD - ASH LANDFILL
EM-31 SURVEY LINE PLOTS
LINE 12



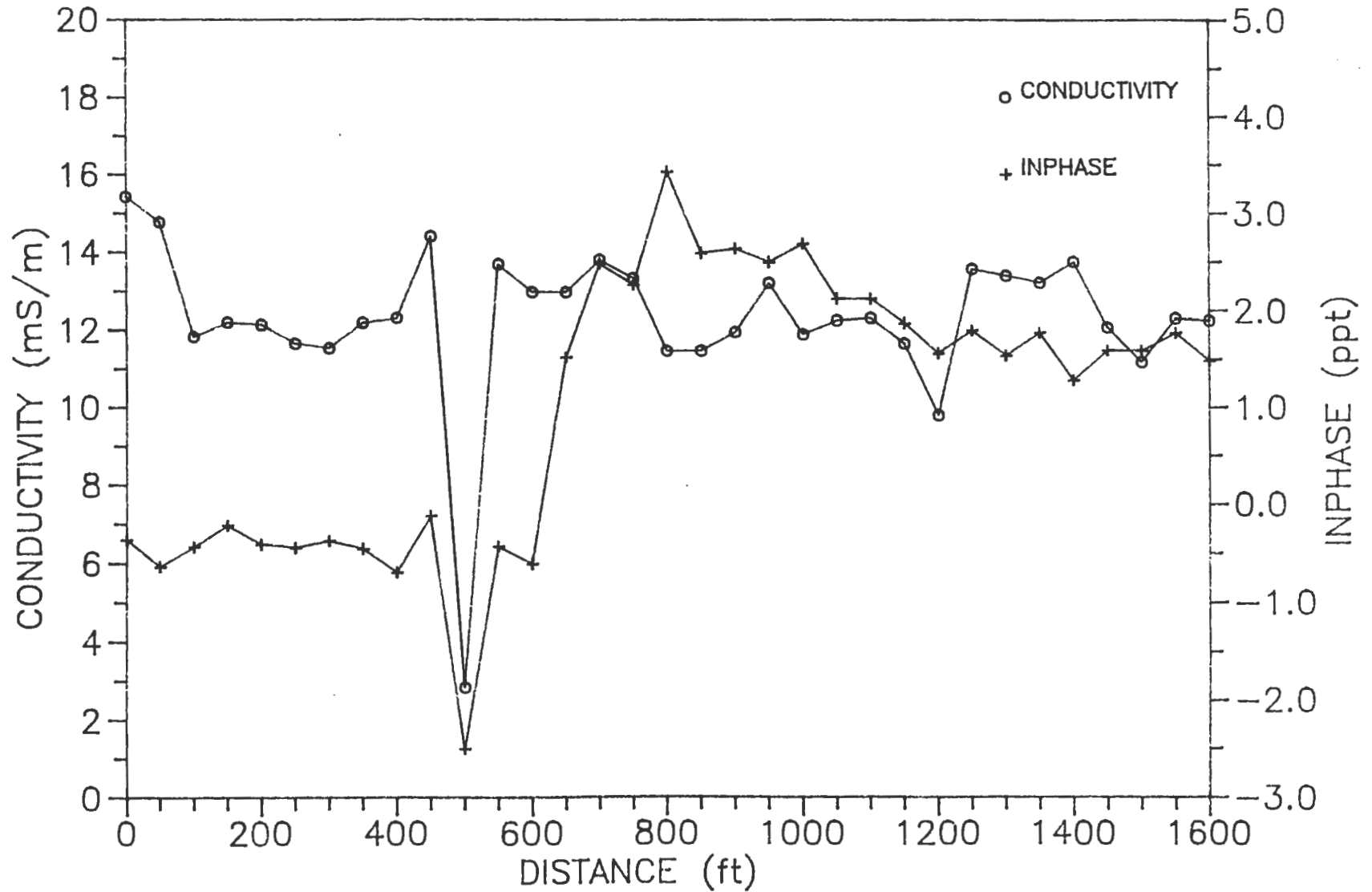
SEAD - ASH LANDFILL
EM-31 SURVEY LINE PLOTS
LINE 13



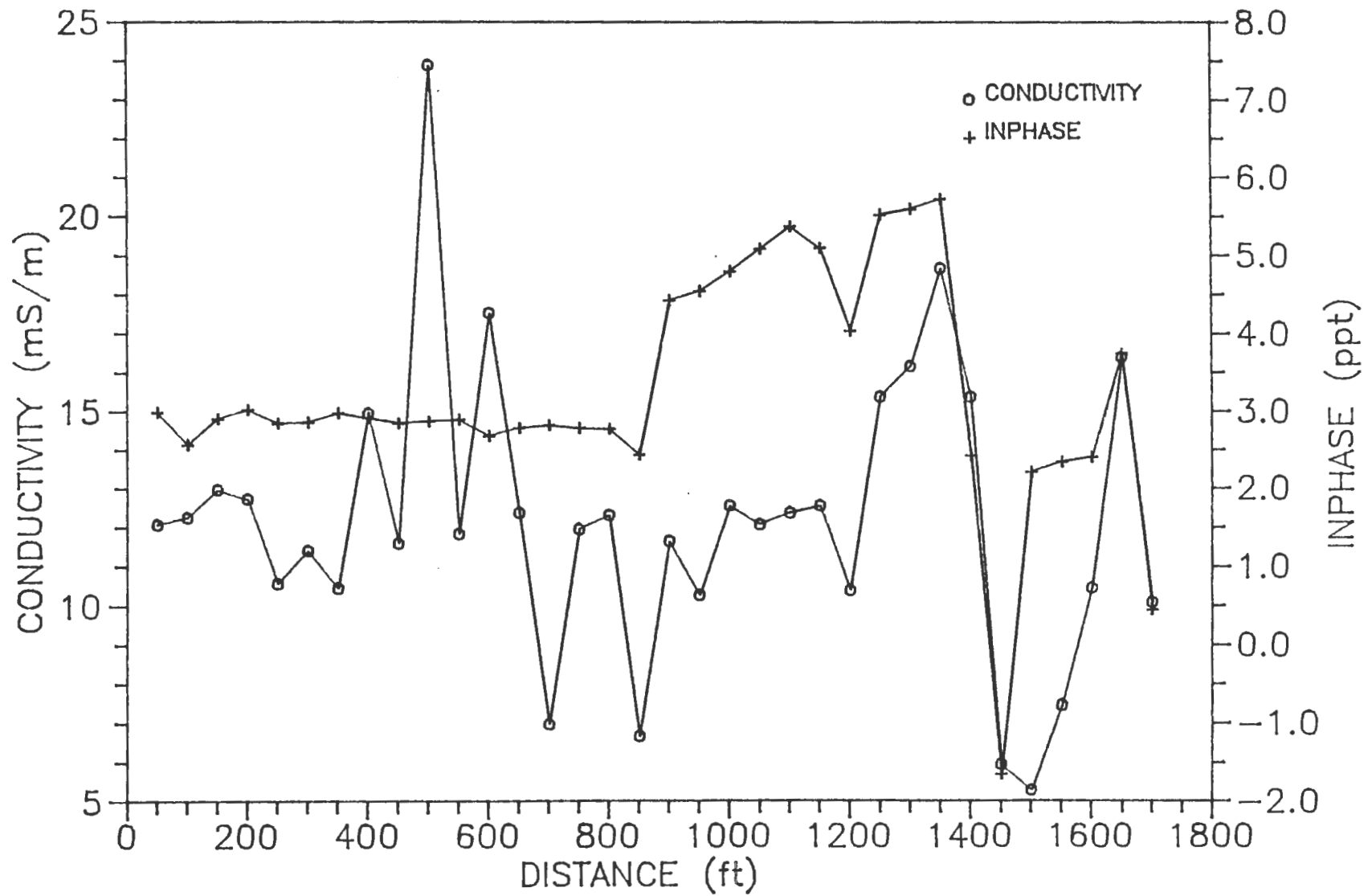
SEAD - ASH LANDFILL
EM-31 SURVEY LINE PLOTS
LINE 14



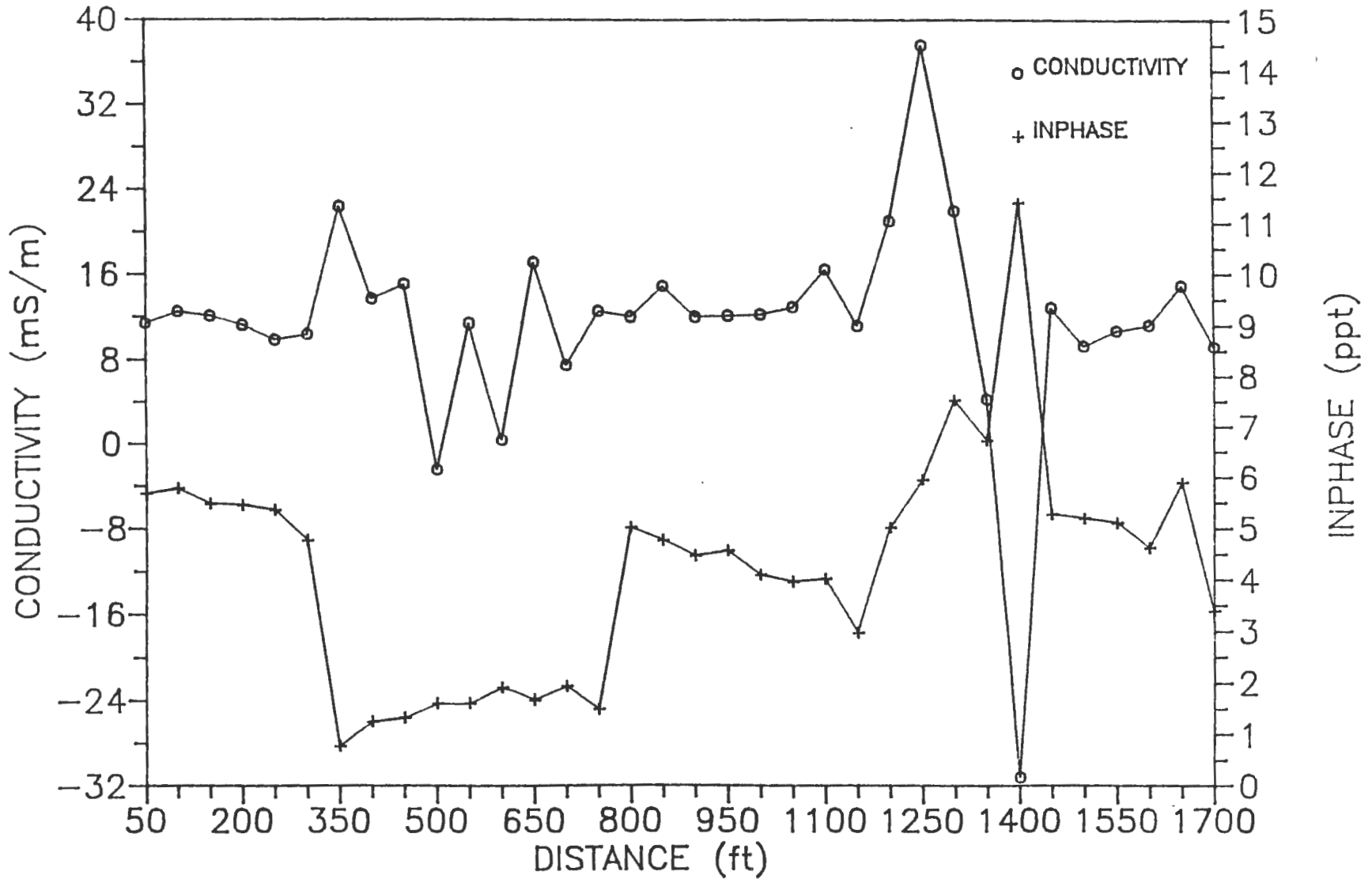
SEAD - ASH LANDFILL
EM-31 SURVEY LINE PLOTS
LINE 15



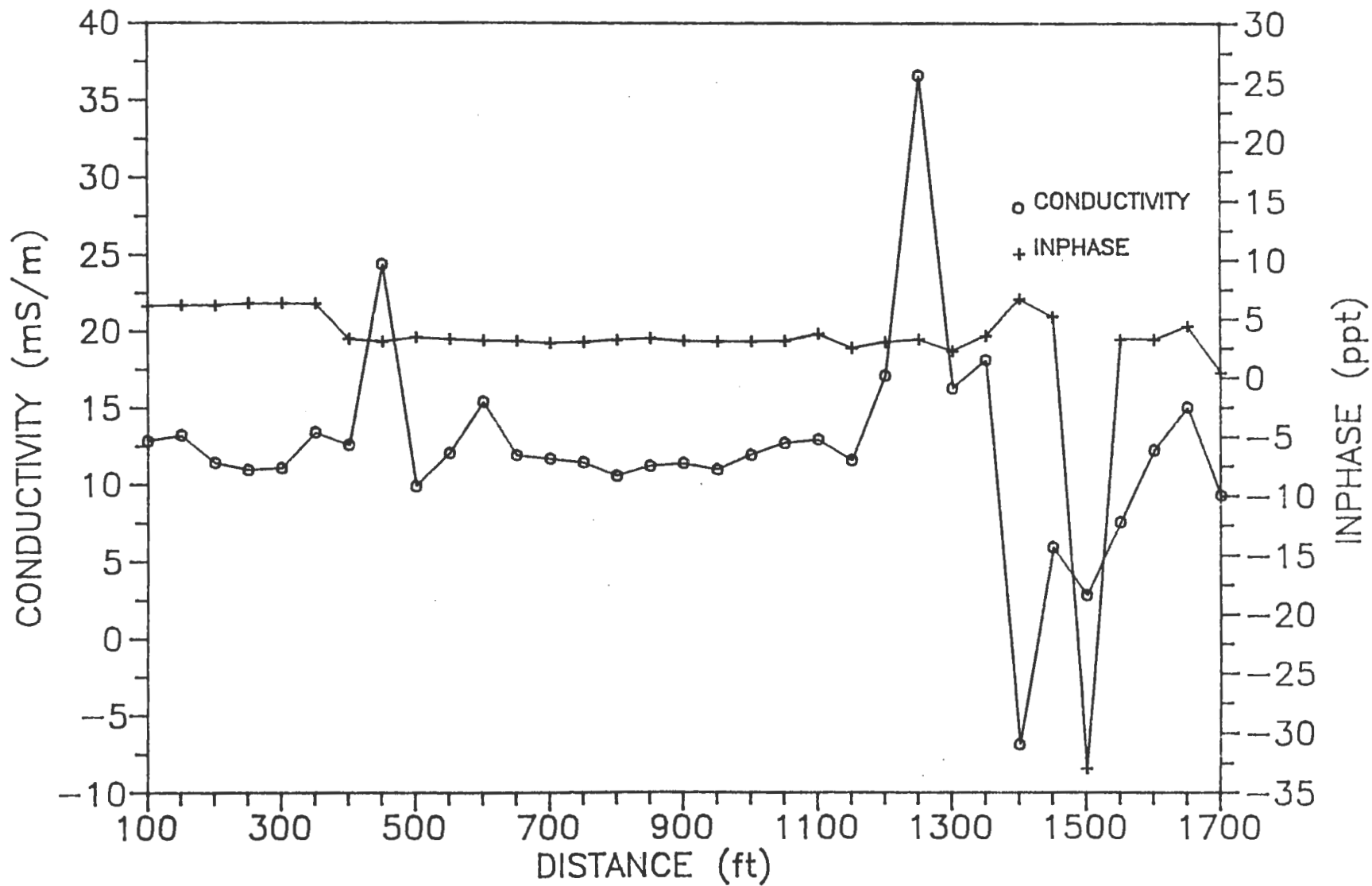
SEAD - ASH LANDFILL
EM-31 SURVEY LINE PLOTS
LINE 16



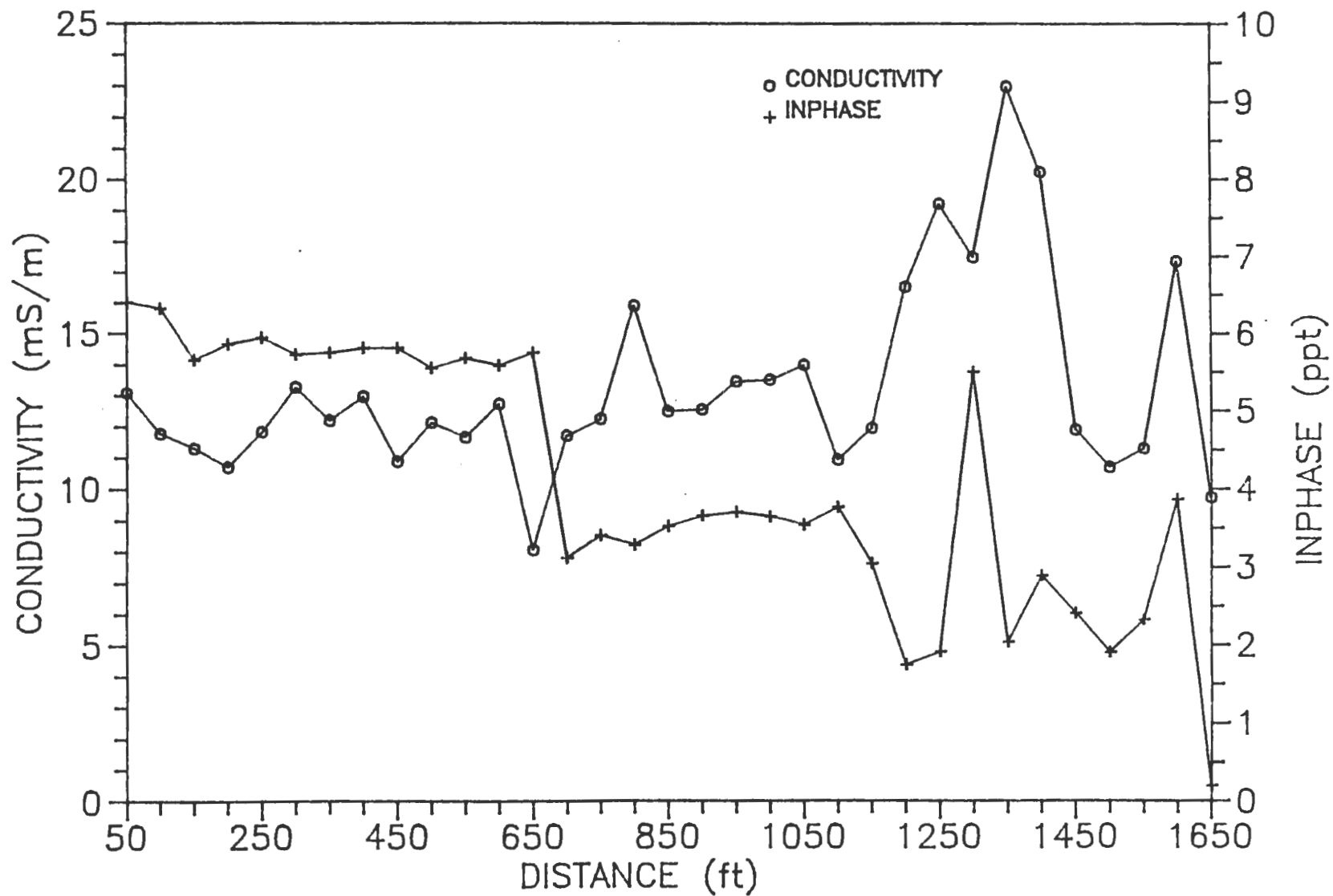
SEAD - ASH LANDFILL
EM-31 SURVEY LINE PLOTS
LINE 17



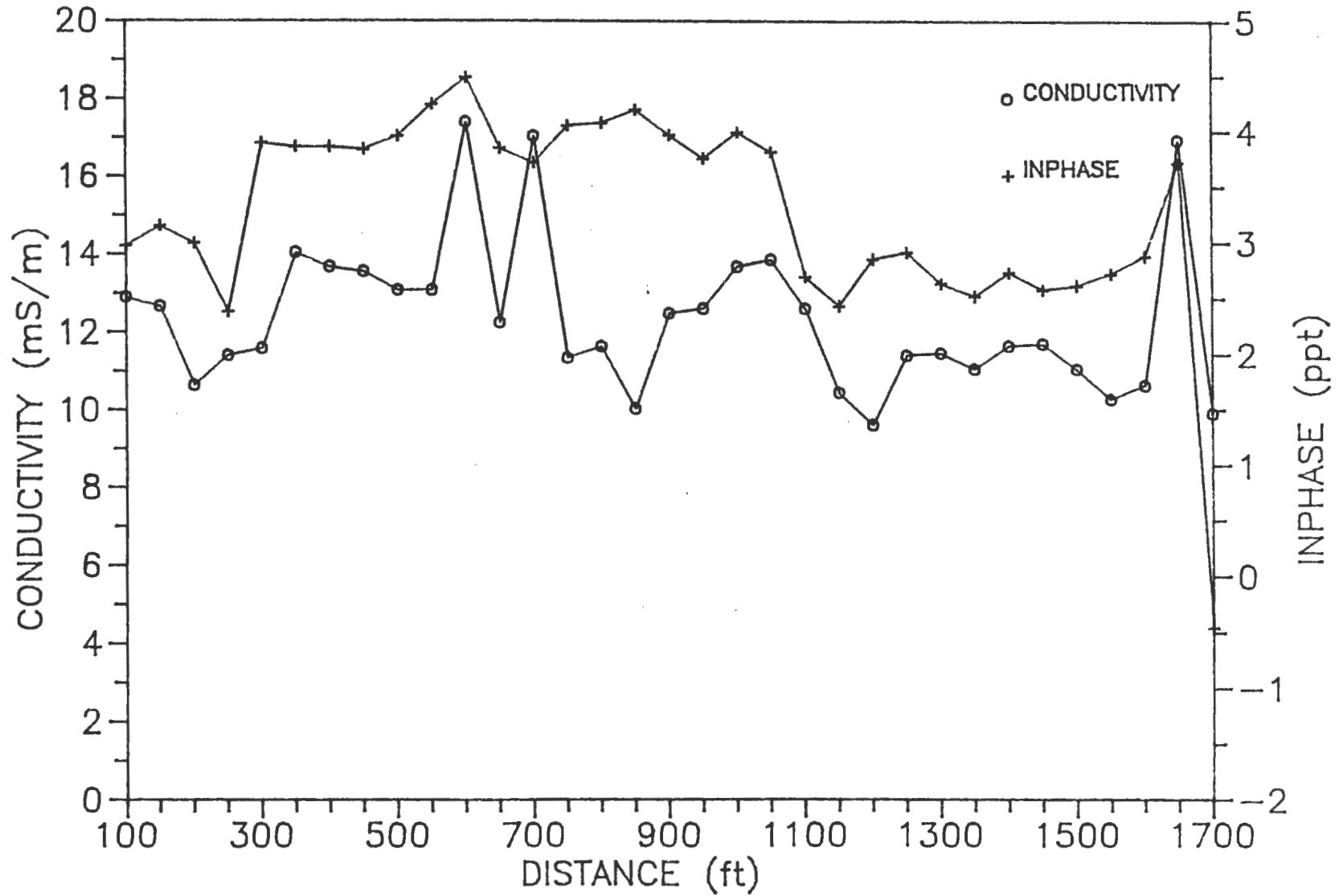
SEAD - ASH LANDFILL
EM-31 SURVEY LINE PLOTS
LINE 18



SEAD - ASH LANDFILL
EM-31 SURVEY LINE PLOTS
LINE 19



SEAD - ASH LANDFILL
EM-31 SURVEY LINE PLOTS
LINE 20

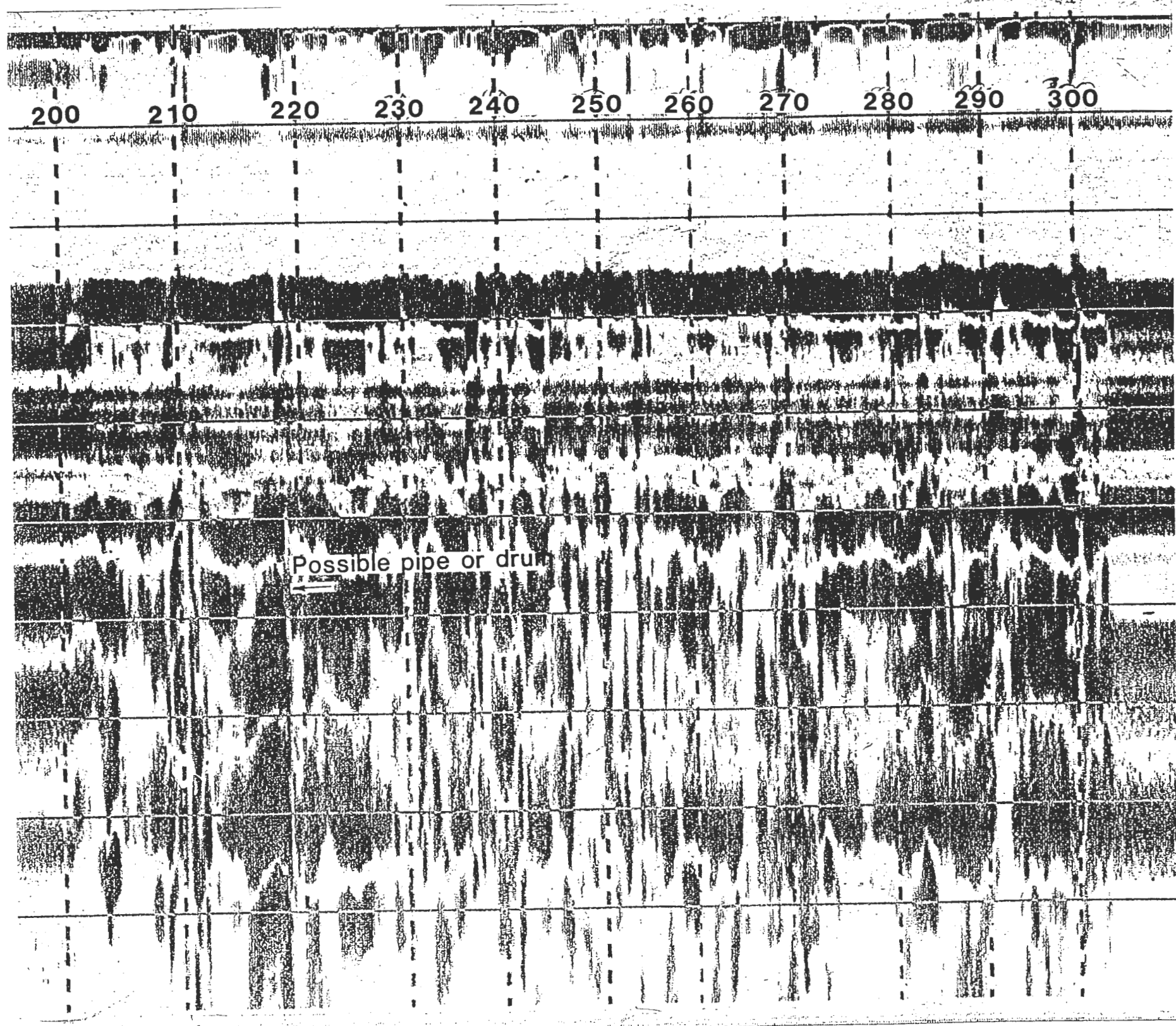




**GPR SURVEY
GRAPHIC RECORDS**

APPENDIX D

GPR GRAPHIC PROFILES FOR PIPE OR DRUM SIGNATURES



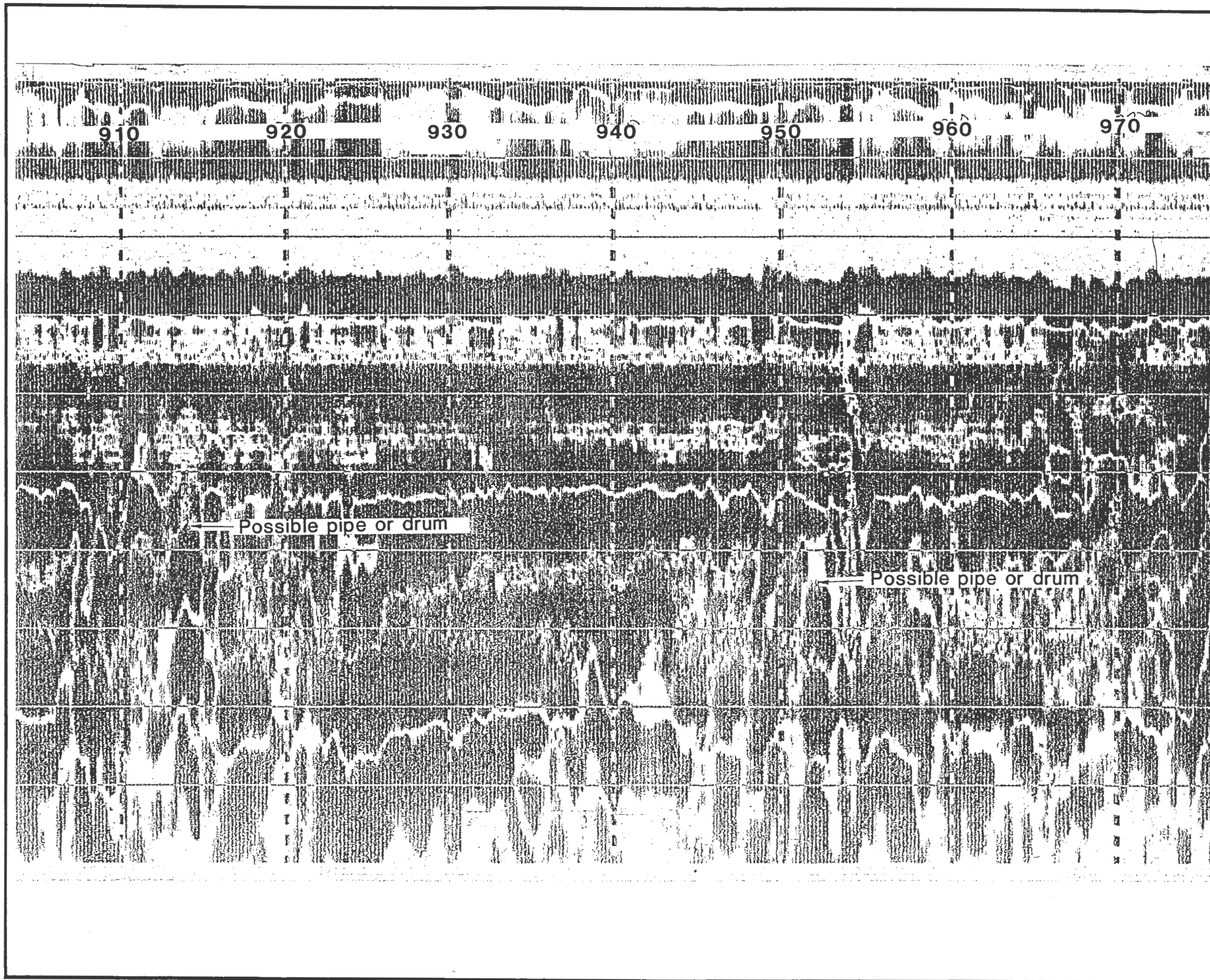
CHAS. T. MAIN, INC.

SENECA ARMY DEPOT
ASH LANDFILL
EM-31 SURVEY
GPR PROFILE

AREA 1
LINE 5
STATION 200-300 ft.



BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS



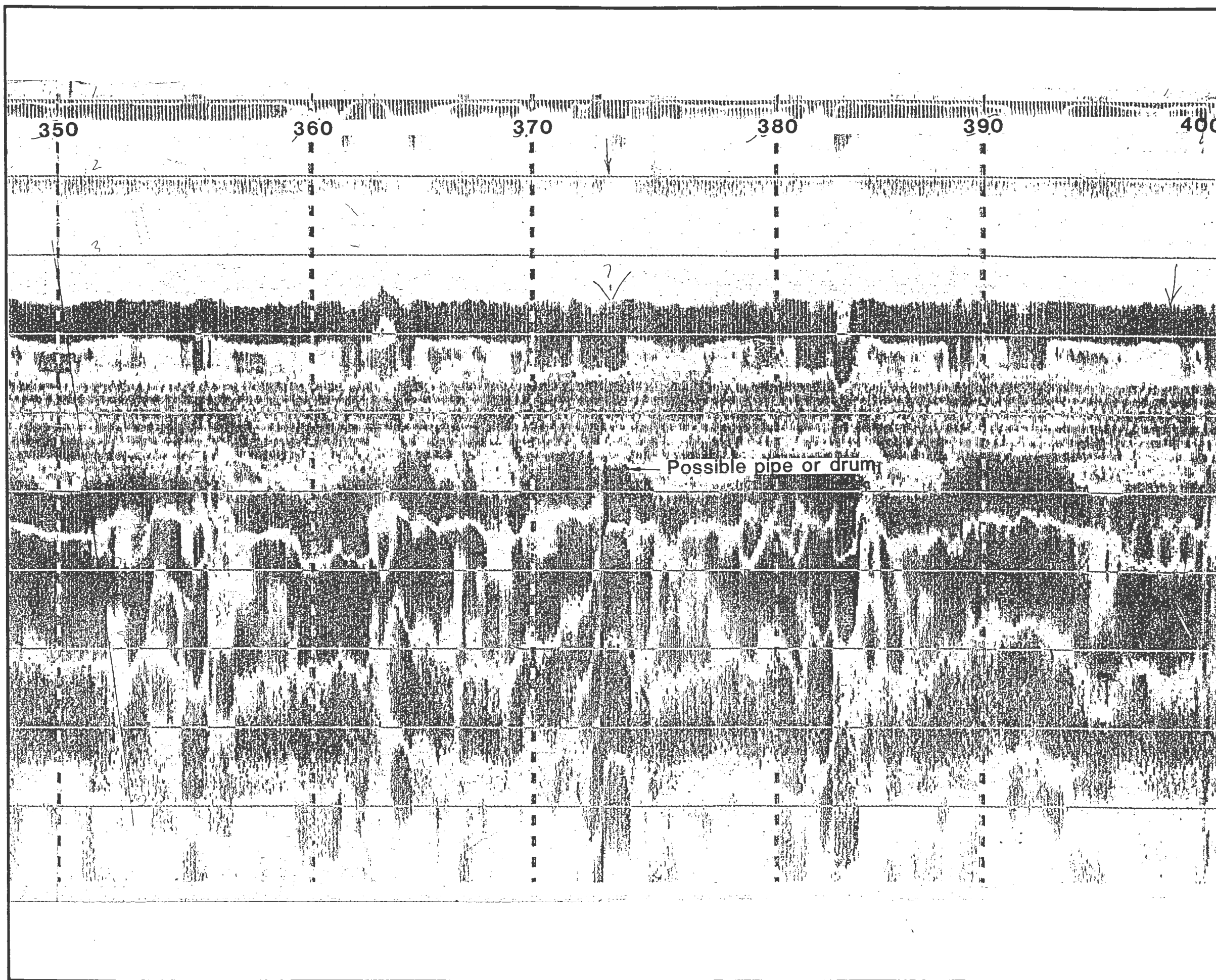
CHAS. T. MAIN, INC.

SENECA ARMY DEPOT
ASH LANDFILL
EM-31 SURVEY
GPR PROFILE

AREA 1
LINE 13
STATION 905-975 ft.



BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS



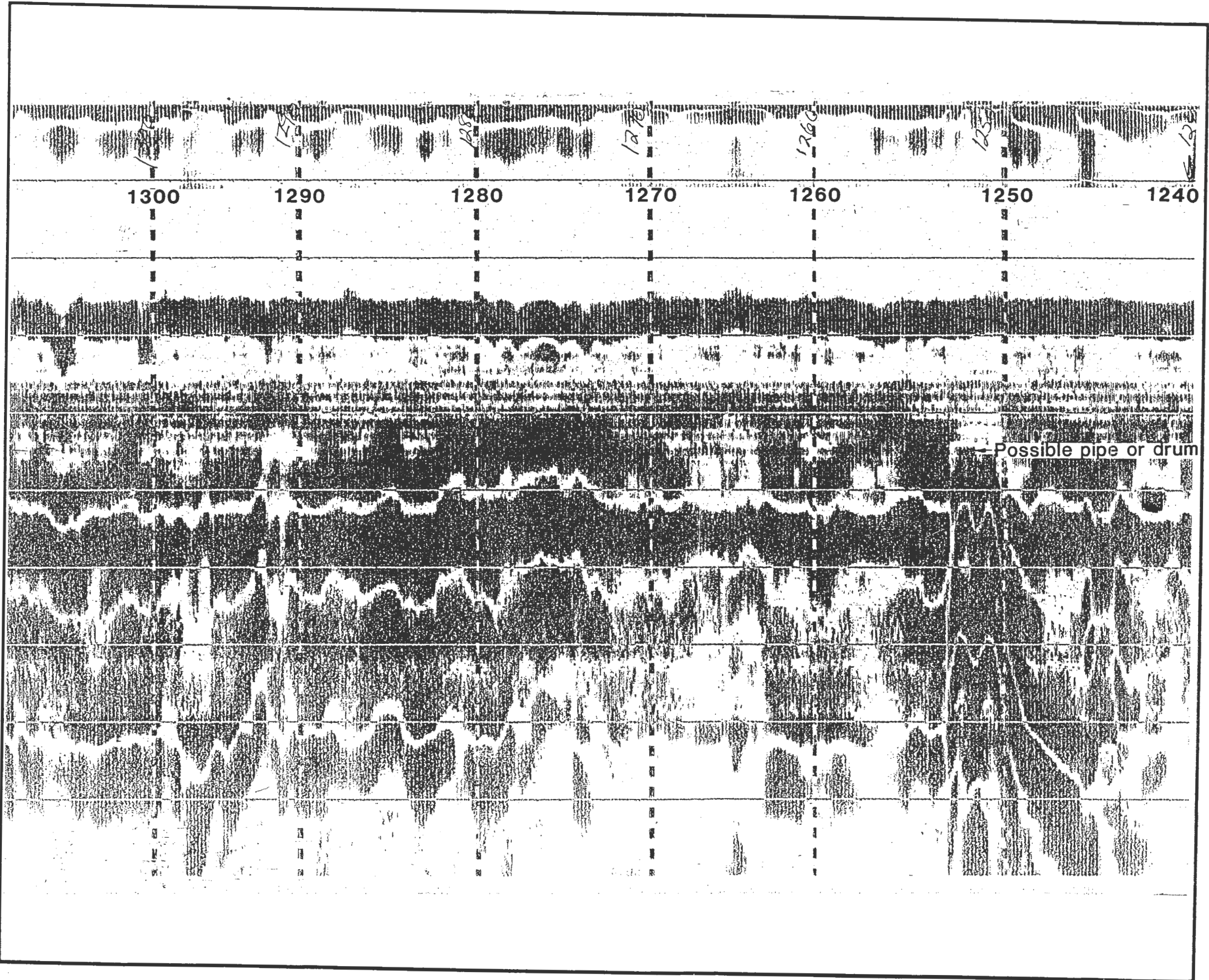
CHAS. T. MAIN, INC.

SENECA ARMY DEPOT
ASH LANDFILL
EM-31 SURVEY
GPR PROFILE

AREA 2
LINE 16
STATION 348-400 ft.



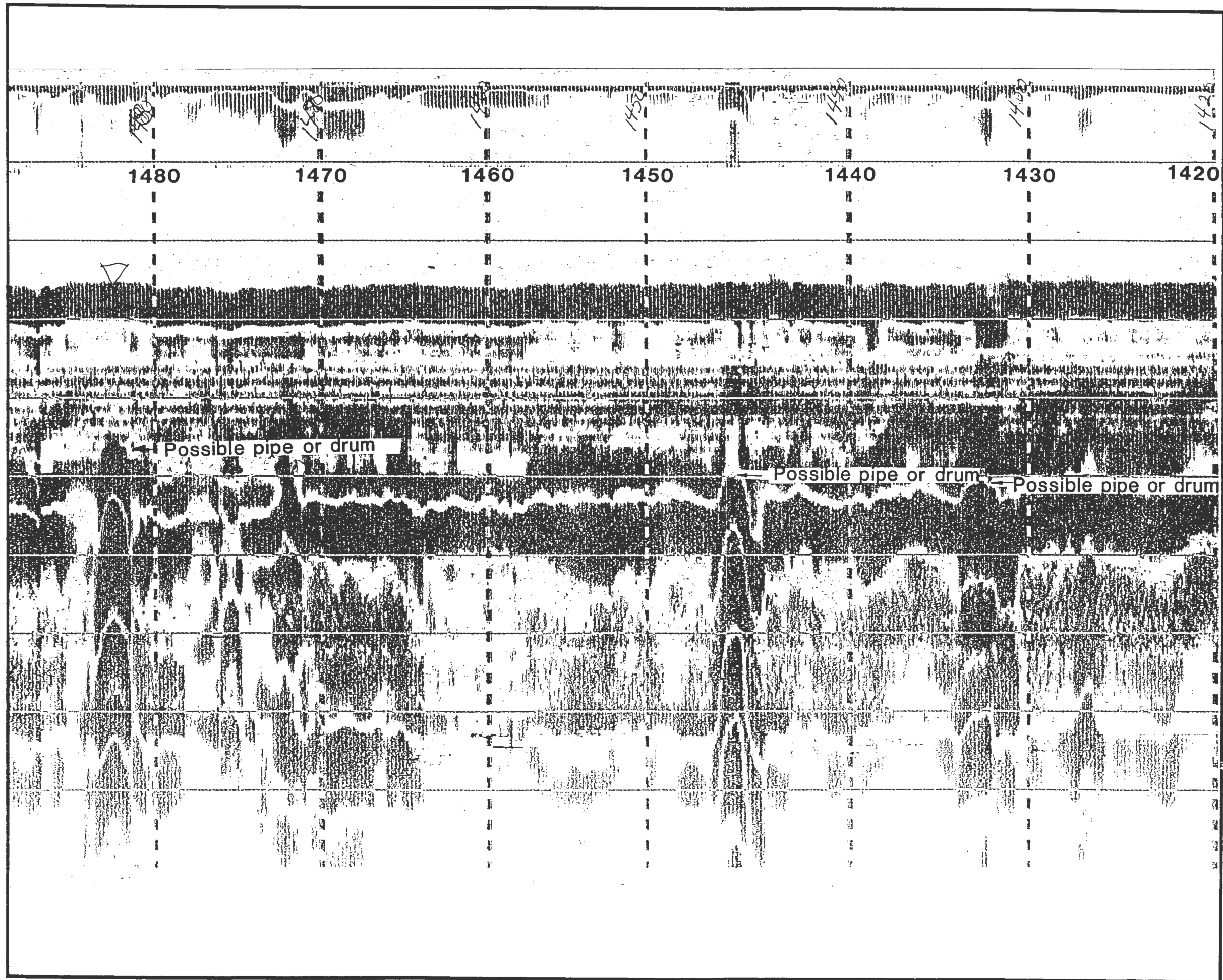
BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS



CHAS. T. MAIN, INC.

SENECA ARMY DEPOT
ASH LANDFILL
EM-31 SURVEY
GPR PROFILE

AREA 2
LINE 16
STATION 1240-1308 ft



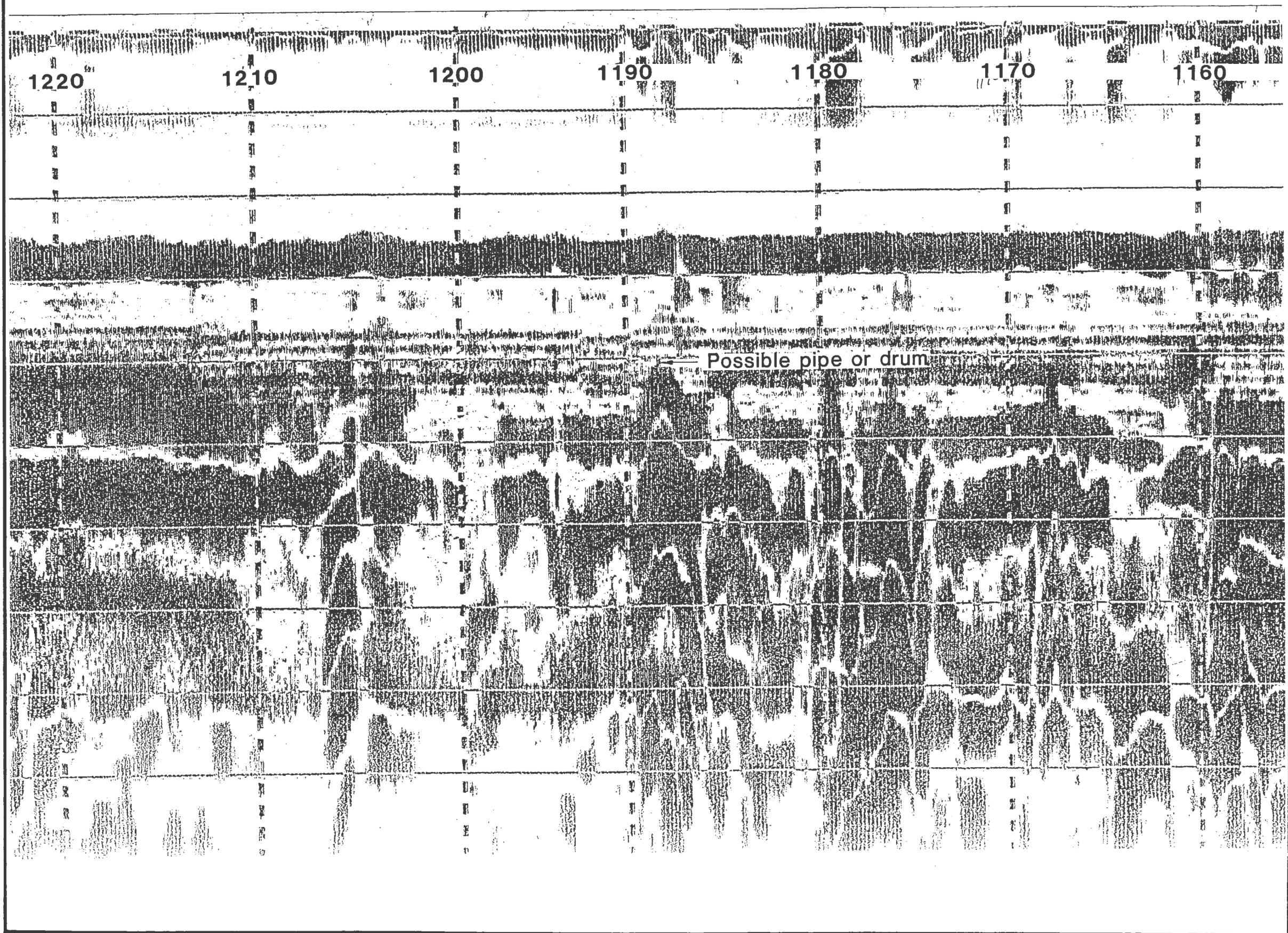
CHAS. T. MAIN, INC.

SENECA ARMY DEPOT
ASH LANDFILL
EM-31 SURVEY
GPR PROFILE

AREA 2
LINE 16
STATION 1420-1490 ft.



BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS



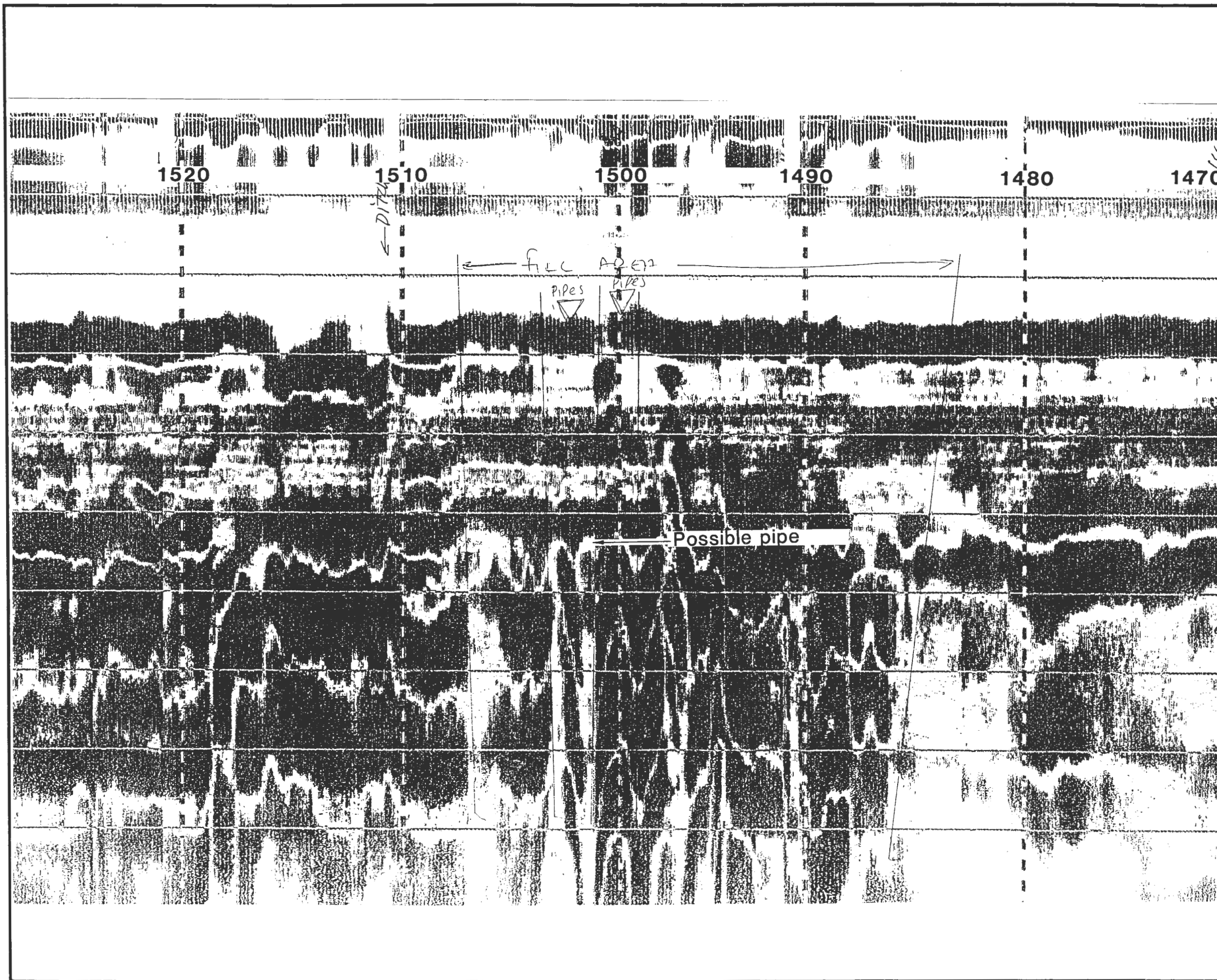
CHAS. T. MAIN, INC.

SENECA ARMY DEPOT
ASH LANDFILL
EM-31 SURVEY
GPR PROFILE

AREA 2
LINE 17
STATION 1155-1222 ft.



BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS



CHAS. T. MAIN, INC.

SENECA ARMY DEPOT
ASH LANDFILL
EM-31 SURVEY
GPR PROFILE

AREA 2
LINE 18
STATION 1470-1528 ft.



BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS

APPENDIX C
SOIL BORING LOGS

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-1			
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600					
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1					
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD					
						ELEV.(GS): 646.8					
						ELEV.(TOC): -					
						DATE START: 10-30-91					
						DATE FINISH: 10-30-91					
						DRILLER: Empire					
						INSPECTOR:					
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME				
AUGER		SPLIT SPOON	-								
SIZE ID/OD:	6.24/9.63	3" O.D.	-								
HAMMER WEIGHT:	-	140 LB	-								
HAMMER FALL:	-	30 INCH	-								
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION				
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)						
1		4				Olive-gray SILT, Some +CLAY, Trace - GRAVEL, and trace fine to medium SAND	Till (ML)				
		5									
2		6									
		7		0-2'	0.0						
3		7									
		12									
4		26				Gray Weathered Shale, Fissile, Some SILT	Weathered Shale				
		44		2-4'	0.0						
5		70									
		100/2									
6				4-6'	0.0						
7		100/4				Gray Shale	Competent Shale				
8											
9											
10											
11											
12						Gray Shale	Competent Shale				
13											
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER		WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
0-4	V. LOOSE	<2	V.SOFT	REMARKS:							
4-10	LOOSE	2-4	SOFT								
10-30	M.DENSE	4-8	M.STIFF								
30-50	DENSE	8-15	STIFF								
>50	V.DENSE	15-30	V.STIFF								
		>30	HARD								

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-2		
PROJECT: SEAD, ASH LANDFILL RIFS							JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD			
							ELEV.(GS): 651.2			
							ELEV.(TOC): -			
				GROUNDWATER READINGS				DATE START: 10-31-91		
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 10-31-91		
							DRILLER: Jim/Alan			
							INSPECTOR: PFM/JC			
TYPE:	AUGER	SPLIT SPOON	-							
SIZE ID/OD:	6.24/6.63	3" O.D.	-							
HAMMER WEIGHT:	-	140 LB	-							
HAMMER FALL:	-	30 INCH	-							
SAMPLE										
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)	SAMPLE DESCRIPTION			STRATUM DESCRIPTION	
1		4				SILT, SHALE, Fill Materials	Fill			
		8								
2		7		0-2'	34.0	Olive-Gray SILT, Some +CLAY, trace -GRAVEL, and Trace Fine to Medium SAND	Till (ML)			
		5								
3		5								
		4								
4		3		2-4'	216	Gray Weathered Shale, Fissile, Some SILT	Weathered Shale			
		7								
5		7								
		8								
6		18		4-6'	261	Gray Shale	Competent Shale			
		54								
7		61								
		71								
8		100/2		6-8	112					
9		100/1		8-9	382					
10										
11										
12										
13										
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE	PVC	DIAM.	2"	SLOT SIZE: 0.010"	
4-10	LOOSE	2-4	SOFT		REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF							
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-3	
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD			
						ELEV.(GS): 666.3			
						ELEV.(TOC): -			
						DATE START: 10-31-91			
						DATE FINISH: 10-31-91			
						DRILLER: Jim/Alan			
						INSPECTOR: PFM/JC			
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		4				Black Ash with Wood and Shale Fragments	Fill		
		10							
2		14		0-2'	15				
		18				Olive-Gray SILT, Some +CLAY, trace -GRAVEL, and Trace Fine to Medium SAND	Till (ML)		
3		7							
		5							
4		3		2-4'	163				
		5							
5		8							
		30							
6		129		4-6'	3.5				
		100/3'							
7				6-7.7	478				
					7.2				
8								Gray Weathered Shale, Fissile, Some SILT	Weathered Shale
								Refusal @ 7.7'	Competent Shale
9						Gray Shale			
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:				
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE	PVC	DIAM. 2"	SLOT SIZE: 0.010"	
4-10	LOOSE	2-4	SOFT		REMARKS: No Equipment Installed				
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-4	
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 929, NGD		ELEV.(GS): 652.1	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 11-1-91	
						DATE FINISH: 1-1-91		DRILLER: Jim/Alan	
						INSPECTOR: PPM/JC			
				GROUNDWATER READINGS					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/6.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
						SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		4						Fill	
		8							
		11							
2		13		0-2'	3.5	Olive-Gray SILT, Some +CLAY, trace		Till (ML)	
		18				- GRAVEL, and Trace Fine to Medium SAND			
3		34							
		47							
4		52		2-4'	271				
		18							
5		27							
		100/4				5.75'			
6				4-6'	95	Gray Weathered Shale, Fissile, Some SILT		Weathered Shale	
		100/3'							
7				6-7.7	478				
8									
						Refusal @ 8.5'			
9						Gray Shale		Competent Shale	
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER		WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"			
0-4	V. LOOSE	<2	V.SOFT						
4-10	LOOSE	2-4	SOFT						
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						
REMARKS:						No Equipment Installed			

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-5		
PROJECT: SEAD, ASH LANDFILL RIFS							JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NOD			
							ELEV.(OS): 653.0			
							ELEV.(TOC): -			
				GROUNDWATER READINGS				DATE START: 11-1-91		
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-1-91		
							DRILLER: Jim/Alan			
							INSPECTOR: PFM			
TYPE:	AUGER	SPLIT SPOON	-							
SIZE ID/OD:	6.24/9.63	3" O.D.	-							
HAMMER WEIGHT:	-	140 LB	-							
HAMMER FALL:	-	30 INCH	-							
SAMPLE										
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)	SAMPLE DESCRIPTION			STRATUM DESCRIPTION	
1		3				Black Ash, SILT, GRAVEL and Wood, Glass, Root and Brick Fragments	Fill			
		5								
2		7		0-2'		Olive-Gray SILT, Some +CLAY, trace -GRAVEL, and Trace Fine to Medium SAND	Till (ML)			
		12								
3		12								
		20								
4		40		2-4'						
		40								
5		17								
		28								
6		30		4-6'						
		38								
7		31								
		27								
8		100/5		6-8	8.0	Gray Weathered Shale, Fissile, Some SILT Refusal @ 8.5'	Weathered Shale			
9		100/1				Gray Shale	Competent Shale			
10										
11										
12										
13										
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST:		GAL.		DATE WELL DEVELOPED:	
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR:		ORGANIC VAPOR METER			
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE	PVC	DIAM.	2"	SLOT SIZE:	0.010"
4-10	LOOSE	2-4	SOFT		REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF							
30-50	DENSE	8-15	STIFF							
>50	V.DENSE	15-30	V.STIFF							
		>30	HARD							

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-6	
PROJECT: SEAD, ASH LANDFILL RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(OS): 689.3		
							ELEV.(TOC): -		
							DATE START: 11-4-91		
							DATE FINISH: -		
							DRILLER: Jim/Alan		
							INSPECTOR: CTM		
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		4				Olive-Gray SILT, Some +CLAY, trace - GRAVEL, and Trace Fine to Medium SAND	Till (ML)		
		10							
2		16							
		24		0-2'	0.0				
3		18				3.2'			
		33							
4		100/2				Gray Weathered Shale, Fissile, Some SILT	Weathered Shale		
5				2-4'	0.0	Refusal @ 3.5'	Competent Shale		
6						Gray Shale			
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL.			DATE WELL DEVELOPED:	
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"				
4-10	LOOSE	2-4	SOFT		REMARKS: No Equipment Installed				
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-7	
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 2	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 667.4	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC): -		DATE START: 11-4-91	
				GROUNDWATER READINGS				DATE FINISH: 11-4-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: Jim/Alan	
								INSPECTOR: CTM	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1						Brown Fine SAND, and +SILT, Few +GRAVELS and Glass, Shale Limestone Angular Gravel and Metal Fragments	Fill		
2									
3									
4									
5									
6									
7									
8									
9									
10									
11						Olive-Gray SILT, and Some +CLAY, Trace - GRAVEL, and Trace Fine to Medium SAND	Till (ML)		
12						Gray Weathered Shale, Fissile, Some SILT	Weathered Shale		
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM. 2"	SLOT SIZE: 0.010"		
4-10	LOOSE	2-4	SOFT	REMARKS:					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	SHEET NO: 2 of 2
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)		STRATUM DESCRIPTION
14						Gray Weathered Shale, Fissile, Some SILT	Weathered Shale
15						Gray Shale	Competent Shale
16							
17							
18							
19							
20							
21							
22							
23							
24							
26							
27							

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-8			
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600					
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1					
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD					
						ELEV.(GS): 676.0					
						ELEV.(TOC): -					
						DATE START: 11-5-91					
						DATE FINISH: 1-5-91					
						DRILLER: JW/LB					
						INSPECTOR: PFM/JC					
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME				
AUGER		SPLIT SPOON	-								
SIZE ID/OD:	6.24/9.63	3" O.D.	-								
HAMMER WEIGHT:	-	140 LB	-								
HAMMER FALL:	-	30 INCH	-								
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION				
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)						
1		6				Brown - Gray SILT, Some + CLAY, trace GRAVEL Trace Fine to Medium SAND	Till (ML)				
		17									
2		21		0-2	0.0						
		26									
3		19									
		26									
4		31		2-4	0.0						
		46									
5		48									
		78									
6		63		4-6	0.0						
		92									
7		82									
		77									
8		100/1		6-7.1	0.0	Gray Weathered Shale, Fissile, Some SILT	Weathered Shale				
9						Gray Shale	Competent Shale				
10											
11											
12											
13											
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER							
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"				
4-10	LOOSE	2-4	SOFT	SLOT SIZE: 0.010"							
10-30	M.DENSE	4-8	M.STIFF	REMARKS: No Equipment Installed							
30-50	DENSE	8-15	STIFF								
>50	V.DENSE	15-30	V.STIFF								
		>30	HARD								

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-9	
PROJECT: SEAD, ASH LANDFILL RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 2		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(GS): 674.0		
							ELEV.(TOC): -		
							DATE START: 11-5-91		
							DATE FINISH: 11-5-91		
							DRILLER: JW/LB		
							INSPECTOR: PFM/JC		
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DEPTH TO WATER	STABILIZATION TIME
				DATE	TIME	DEPTH			
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		3				Black SILT, CLAY, ROOTS Olive Gray SILT, Some +CLAY, Trace - GRAVEL and Trace Fine to Medium SAND	Fill Till (ML)		
		12							
2		16		0-2					
		23							
3		13							
		19							
4		30		2-4					
		44							
5		44							
		62							
6		100		4-6					
		100/4							
7		92							
		81							
8		62		6-8					
		107							
9		68							
		100/2							
10				8-10					
		130							
11		100/4							
12				10-12					
		106							
13		100/7				Gray Weathered Shale, Fissile, Some SILT	Weathered Shale		
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:				
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"				
4-10	LOOSE	2-4	SOFT		REMARKS: No Equipment Installed				
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	SHEET NO: 2 of 2
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)		STRATUM DESCRIPTION
14				12-14.1		Refusal @ 14.6'	Weathered Shale
15		100/1				Gray Shale	Competent Shale
16							
17							
18							
19							
20							
21							
22							
23							
24							
26							
27							

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-10	
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM 1929, NGD			
						ELEV.(OS): 653.1			
						ELEV.(TOC): -			
						DATE START 11-6-91			
						DATE FINISH 11-6-91			
						DRILLER: Jim/Alan			
						INSPECTOR: PFM/JC			
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (PT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		8				Brown Gray Fine to Medium SAND, and +SILT, Some +GRAVEL, and Glass, Wood, Metal and Stone Fragments	Fill		
		12							
2		12							
		8	2	0-2	0.0				
3		7				Olive-Gray SILT, Some +CLAY, Trace - GRAVEL and Trace Fine to Medium SAND	Till (ML)		
		8							
4		6							
		18	2	2-4	0.0				
5		14				Olive-Gray Fine SAND, some +SILT, and +CLAY, Trace - GRAVEL	Till (SM)		
		13							
6		15							
		17	2	4-6	0.0				
7		13				Gray Shale	Competent Shale		
		17							
8		31							
		100/2	2	6-8	0.0				
9		100/1							
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST:		GAL.		DATE WELL DEVELOPED:	
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR:		ORGANIC VAPOR METER			
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"	SLOT SIZE:	0.010"
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-11			
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600					
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1					
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD					
						ELEV.(GS): 666.7					
						ELEV.(TOC): -					
						DATE START: 11-6-91					
						DATE FINISH: 11-6-91					
						DRILLER: Jim/Alan					
						INSPECTOR: PFM/SWC					
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
AUGER		SPLIT SPOON	-								
SIZE ID/OD:	6.24/9.63	3" O.D.	-								
HAMMER WEIGHT:	-	140 LB	-								
HAMMER FALL:	-	30 INCH	-								
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION				
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)						
1		25				Brown - Black SILT, and +Fine SAND with Roots	Fill				
		26									
2		32				Olive - Gray SILT, Some +CLAY, Trace - GRAVEL and Trace Fine to Medium SAND	Till (ML)				
		52	1	0-2							
3		38				Olive - Gray SILT, Some +CLAY, Trace - GRAVEL and Trace Fine to Medium SAND	Till (ML)				
		44									
4		70				Olive - Gray SILT, Some +CLAY, Trace - GRAVEL and Trace Fine to Medium SAND	Till (ML)				
		72	2	2-4							
5		44				Olive - Gray SILT, Some +CLAY, Trace - GRAVEL and Trace Fine to Medium SAND	Till (ML)				
		30									
6		36				Olive - Gray SILT, Some +CLAY, Trace - GRAVEL and Trace Fine to Medium SAND	Till (ML)				
		50	1.5	4-6							
7		110				Olive - Gray SILT, Some +CLAY, Trace - GRAVEL and Trace Fine to Medium SAND	Till (ML)				
		100/2									
8		100/1				Gray Weathered Shale, fissile, some SILT	Weathered Shale				
				6-8							
9						Gray Weathered Shale, fissile, some SILT	Weathered Shale				
10					Refusal @ 9.5'	Gray Shale	Competent Shale				
11						Gray Shale	Competent Shale				
12						Gray Shale	Competent Shale				
13						Gray Shale	Competent Shale				
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER							
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"				
4-10	LOOSE	2-4	SOFT	SLOT SIZE: 0.010"							
10-30	M.DENSE	4-8	M.STIFF	REMARKS: No Equipment Installed							
30-50	DENSE	8-15	STIFF								
>50	V.DENSE	15-30	V.STIFF								
		>30	HARD								

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-12	
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD			
						ELEV.(GS): 660.5			
						ELEV.(TOC): -			
						DATE START: 11-7-91			
						DATE FINISH: 11-7-91			
						DRILLER: Jim/Alan			
						INSPECTOR: PFM/JWC			
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		6				Olive-Gray SILT, Some +CLAY, Trace -GRAVEL, and Trace Fine to Medium SAND	Till (ML)		
		12							
2		18			0.0				
		30							
3		48							
		58							
4		54			0.0				
		58							
5		82							
		100/2							
6					0.0				
7		100/4				Gray Weathered Shale, Fissile, Some SILT	Weathered Shale		
		100/2							
8		100/1		6-8					
						Refusal @ 8.0'			
9						Gray Shale	Competent Shale		
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"		
4-10	LOOSE	2-4	SOFT	SLOT SIZE: 0.010"					
10-30	M.DENSE	4-8	M.STIFF	REMARKS: No Equipment Installed					
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-13	
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD			
						ELEV.(GS): 651.2			
						ELEV.(TOC): -			
				GROUNDWATER READINGS				DATE START: 11-8-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-8-91	
								DRILLER: Jim/Alan	
								INSPECTOR: PFM/JWC	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
SAMPLE									
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)	SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
1						Brown - Gray SILT, Some +CLAY, Trace - GRAVEL, and Trace Fine to Medium SAND		Till (ML)	
2				0-2	0.0				
3									
4				2-4	0.0				
5									
6				4-6	0.0				
7									
8				6-8	0.0				
9						Gray Shale		Competent Shale	
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-14	
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NGD			
						ELEV.(GS): 652.0			
						ELEV.(TOC): -			
				GROUNDWATER READINGS				DATE START: 11-7-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-7-91	
								DRILLER: Jim/Alan	
								INSPECTOR: PFM/JWC	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
				SAMPLE		SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		2 8				Brown-Gray SILT, Some +CLAY, Trace - GRAVEL, and Trace Fine to Medium SAND		Till (ML)	
2		12 21		0-2	0.0				
3		19 33							
4		52 44		2-4	0.0				
5		85 90				Gray Weathered Shale, Fissile, Some SILT		Weathered Shale	
6		100/2		4-6	0.0				
7		100/2		6-6.4	0.0	Gray Shale		Competent Shale	
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST:		GAL.		DATE WELL DEVELOPED:	
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR:		ORGANIC VAPOR METER			
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"	SLOT SIZE:	0.010"
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-15	
PROJECT: SEAD, ASH LANDFILL RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(OS): 651.8		
							ELEV.(TOC): -		
				GROUNDWATER READINGS				DATE START: 11-8-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-8-91	
							DRILLER: Jim/Alan		
							INSPECTOR: PFM		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
SAMPLE									
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)	SAMPLE DESCRIPTION			STRATUM DESCRIPTION
1		18				Gray Weathered Shale Fragments, Black SILT, Fill Constituents	Fill		
		34							
2		34				Olive-Gray SILT, Some +CLAY, trace - GRAVEL and Trace Fine to Medium SAND	Till (ML)		
		24							
3		10							
		8							
4		12							
		16							
5		19							
		21							
6		21							
		19							
7		30				Gray Weathered Shale, Fissile, Some SILT	Weathered Shale		
		46							
8		112				Refusal @ 8.1'			
9		100/1				Gray Shale	Competent Shale		
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS			VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:		
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE	PVC	DIAM.	2"	SLOT SIZE: 0.010"
4-10	LOOSE	2-4	SOFT		REMARKS: No Equipment Installed				
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-16	
PROJECT: SEAD, ASH LANDFILL RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(GS): 635.7		
							ELEV.(TOC): -		
							DATE START: 11-12-91		
							DATE FINISH: 11-12-91		
							DRILLER: MW/AK		
							INSPECTOR: PFM		
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE START	DATE FINISH
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		2 6				Brown - Gray SILT, some + CLAY, Trace - GRAVEL and Trace Fine to Medium SAND	Till (ML)		
2		11 24	1.2	0.2'	0.0				
3		11 23							
4		31 44	1.3	2-4'	0.4				
5		25 100/3			0.0	Gray Weathered Shale, Fissile, Some SILT	Weathered Shale		
6			0.8	4-6					
7		200/4		6-6.7	55	Refusal @ 6.7 Gray Shale	Competent Shale		
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30 >30	V.STIFF HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-17	
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600			
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1			
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NOD			
						ELEV.(GS): 649.2			
						ELEV.(TOC): -			
						DATE START: 11-13-91			
						DATE FINISH: 11-13-91			
						DRILLER: MW/Alan			
						INSPECTOR: PFM			
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE START	DATE FINISH
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		10				Dark - brown Fine to Medium SAND, Some CLAY Shale, concrete, wood, and gravel fragments	Fill		
		13							
2		14							
		13	.8	0.2'	0.0				
3		7							
		13							
4		15				Olive - gray SILT, Some +CLAY, Trace - GRAVEL and Trace Fine to Medium SAND	Till (ML)		
		17		2-4'	0.0				
5		5							
		7							
6		5							
		10	1.6	4-6	0.0				
7		90				Gray Weathered Shale, Pisale, Some SILT	Weathered Shale		
		100/2							
8			.8	6-8	0.0				
9		100/3				Refusal @ 8.3'	Competent Shale		
						Gray Shale			
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-18			
PROJECT: SEAD, ASH LANDFILL RIFS							JOB NO: 720229-0600				
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1				
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD				
							ELEV.(GS): 665.7				
							ELEV.(TOC):				
							DATE START: 11-13-91				
							DATE FINISH: 11-13-91				
							DRILLER: Empire				
							INSPECTOR: PPM				
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME				
AUGER		SPLIT SPOON	-								
SIZE ID/OD:	6.24/9.63	3" O.D.	-								
HAMMER WEIGHT:	-	140 LB	-								
HAMMER FALL:	-	30 INCH	-								
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION				
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)						
1						Olive-Gray SILT, some +CLAY, trace -GRAVEL and Trace Fine to Medium SAND	Till (ML)				
2			2	0-2							
3											
4			2	2-4							
5						Gray Weathered Shale, Fissile, Some SILT	Weathered Shale				
6			1.3	4-6							
7						Gray Shale	Competent Shale				
8											
9											
10											
11											
12											
13											
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:							
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER							
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"							
4-10	LOOSE	2-4	SOFT								
10-30	M.DENSE	4-8	M.STIFF	REMARKS: No Equipment Installed							
30-50	DENSE	8-15	STIFF								
>50	V.DENSE	15-30	V.STIFF								
		>30	HARD								

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-19	
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 659.5	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOC):		DATE START: 11-13-91	
				GROUNDWATER READINGS				DATE FINISH: 11-13-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: Empire	
								INSPECTOR: CTM	
TYPE:	AUGER	SPLIT SPOON	-						
SIZE ID/OD:	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASINO BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		2				Olive-Gray SILT, some +CLAY, trace - GRAVEL and Trace Fine to Medium SAND	Till (ML)		
		5							
2		9							
		13	2'			Gray Weathered Shale, Fissile, Some SILT	Weathered Shale		
3		17							
		21							
4		50				Refusal @ 6.5'	Competent Shale		
		100	1.2'						
5		38							
		100/4				Gray Shale	Competent Shale		
6			1'						
		100/1							
7						Gray Shale	Competent Shale		
8			0						
9						Gray Shale	Competent Shale		
10									
11						Gray Shale	Competent Shale		
12									
13						Gray Shale	Competent Shale		
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"		
4-10	LOOSE	2-4	SOFT	SLOT SIZE: 0.010"					
10-30	M.DENSE	4-8	M.STIFF	REMARKS: No Equipment Installed					
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-20			
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600					
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1					
CONTRACTOR: EMPIRE DRILLING						ELEV. DATUM: 1929, NOD					
						ELEV.(OS): 652.8					
						ELEV.(TOC): -					
						DATE START: 11-14-91					
						DATE FINISH: 11-14-91					
						DRILLER: Empire					
						INSPECTOR: CTM					
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME				
AUGER		SPLIT SPOON	-								
SIZE ID/OD:	6.24/6.63	3" O.D.	-								
HAMMER WEIGHT:	-	140 LB	-								
HAMMER FALL:	-	30 INCH	-								
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION				
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)						
1		1				Brown - Gray SILT, some +CLAY, trace - GRAVEL and Trace Fine to Medium SAND	Till (ML)				
		4									
2		16									
		21	1	0-2							
3		18				4.3' Gray Weathered Shale, Fissile, Some SILT	Weathered Shale				
		24									
4		34									
		40	1.3	2-4							
5		43									
		75									
6		100/3									
			1.3	4-6							
7		57									
		100/2									
8											
			0.4	6-8							
9		100/1									
				8-8.8	Refusal @ 8.8'						
10					Gray Shale	Competent Shale					
11											
12											
13											
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER		WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
0-4	V. LOOSE	<2	V.SOFT	REMARKS: No Equipment Installed							
4-10	LOOSE	2-4	SOFT								
10-30	M.DENSE	4-8	M.STIFF								
30-50	DENSE	8-15	STIFF								
>50	V.DENSE	15-30	V.STIFF								
		>30	HARD								

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-21	
PROJECT: SEAD, ASH LANDFILL RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV.(GB): 650.7		
							ELEV.(TOC): -		
				GROUNDWATER READINGS				DATE START: 11-14-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DATE FINISH: 11-14-91	
								DRILLER: Empire	
								INSPECTOR: CTM	
TYPE:	AUGER	SPLITSPOON	-						
SIZE (X) (O.D.):	6.24/9.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
				SAMPLE			SAMPLE DESCRIPTION	STRATUM DESCRIPTION	
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1		1				Brown-Gray SILT, some +CLAY, trace - GRAVEL and Trace Fine to Medium SAND	TM (ML)		
		10							
		17							
2		18	2'	0-2'					
		18							
3		35							
		88							
4		100/3	1.7'	2-4'		Gray Weathered Shale, Fissile, Some SILT	Weathered Shale		
		100/4							
5									
6			0.3'	4-6.8'					
7						Refusal @ 6.8'			
8						Gray Shale	Competent Shale		
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"		
4-10	LOOSE	2-4	SOFT	SLOT SIZE: 0.010"					
10-30	M.DENSE	4-8	M.STIFF	REMARKS: No Equipment Installed					
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-22			
PROJECT: SEAD, ASH LANDFILL RIFS							JOB NO: 720229-0600				
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1				
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD				
							ELEV.(OB): 635.2				
							ELEV.(TOO): -				
							DATE START: 12-2-91				
							DATE FINISH: 12-2-91				
							DRILLER: Empire				
							INSPECTOR: CTM				
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME				
TYPE:	AUGER	SPLIT SPOON	-								
SIZE (I/O):	6.24/3.83	3" O.D.	-								
HAMMER WEIGHT:	-	140 LB	-								
HAMMER FALL:	-	30 INCH	-								
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION				
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)						
1		3				Olive-Gray SILT, some +CLAY, trace - GRAVEL and Trace Fine to Medium SAND	TM (ML)				
		6									
2		9	1'	0-2'							
		14				Gray Weathered Shale Fragile, Some SILT	Weathered Shale				
3		18									
		36									
4		42	1.8'	2-4'		Refusal @ 5.2'	Competent Shale				
		80									
5											
		100/3				Gray Shale	Competent Shale				
6			0.3'	4-5.2							
7											
8											
9											
10											
11											
12											
13											
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST:		GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR:		ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"				
4-10	LOOSE	2-4	SOFT	SLOT SIZE: 0.010"							
10-30	M.DENSE	4-8	M.STIFF	REMARKS: No Equipment Installed							
30-50	DENSE	8-15	STIFF								
>50	V.DENSE	15-30	V.STIFF								
		>30	HARD								

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-23	
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0800		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(OB): 835.8	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOG): -		DATE START: 12-2-91	
						DATE FINISH: 12-2-91		DRILLER: Empire	
						INSPECTOR: CTM			
	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
TYPE:	AUGER	SPLIT SPOON	-						
SIZE (I.D.):	6.24/0.63	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER SIXCHES	RECOVERY (FT)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1						Gray SILT, some +CLAY, trace - GRAVEL and Trace Fine to Medium SAND	TM (ML)		
2			1.25		0.0				
3									
4			0.75		0.0				
5						Gray Weathered Shale, Fissile, Some SILT	Weathered Shale		
6			0.4		0.0				
7									
8			0.3		0.0	Refusal @ 7.5'	Competent Shale		
9						Gray Shale			
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM. 2"	SLOT SIZE: 0.010"		
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-24	
PROJECT: SEAD, ASH LANDFILL RIFS							JOB NO: 720229-0600		
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1		
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD		
							ELEV. (G): 643.8		
							ELEV. (TOQ): -		
							DATE START: -		
							DATE FINISH: -		
							DRILLER: Empire		
							INSPECTOR: CTM		
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS					
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
SIZE (X) (O):	8.24/9.83	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER INCHES	RECOVERY (FT)	SAMPLE DEPTH RANGE	VOC SCREEN PPM				
1		2				Brown-Gray SILT, some +CLAY, trace -GRAVEL and Trace Fine to Medium SAND	Till (ML)		
		5							
2		8							
		10							
3		13				3.5'	Weathered Shale		
		40							
4		84							
		100/3				Gray Weathered Shale Fissile, Some SILT	Weathered Shale		
5		51							
		100/3				Refusal @ 7.0'	Competent Shale		
6									
7									
8						Gray Shale	Competent Shale		
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.				DATE WELL DEVELOPED:	
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC			DIAM.	2"
4-10	LOOSE	2-4	SOFT	SLOT SIZE: 0.010"					
10-30	M.DENSE	4-8	M.STIFF	REMARKS: No Equipment Installed					
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-25			
PROJECT: SEAD, ASH LANDFILL RIFS							JOB NO: 720229-0600				
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1				
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD				
							ELEV.(OB): 645.5				
							ELEV.(TOG): -				
							DATE START: 12-3-91				
							DATE FINISH: 12-3-91				
							DRILLER: Empire				
							INSPECTOR: CTM				
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME				
	AUGER	SPLIT SPOON	-								
SIZE (I/O):	8.24/9.53	3" O.D.	-								
HAMMER WEIGHT:	-	140 LB	-								
HAMMER FALL:	-	30 INCH	-								
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION				
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)						
1		1				Gray SILT, some +CLAY, trace - GRAVEL and Trace Fine to Medium SAND	TM (ML)				
		4									
2		8									
		9	1		0.0						
3		11				3'	Weathered Shale				
		33									
4		55									
		100/3	2		0.0	Gray Weathered Shale, Fissile, Some SILT	Weathered Shale				
5		100/4	.5	4-4.4	0.0						
6											
7						7.4'	Competent Shale				
8											
9											
10											
11											
12											
13											
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR:	ORGANIC VAPOR METER	WELL PIPE	PVC DIAM. 2" SLOT SIZE: 0.010"				
0-4	V. LOOSE	<2	V.SOFT								
4-10	LOOSE	2-4	SOFT								
10-30	M.DENSE	4-8	M.STIFF	REMARKS: No Equipment Installed							
30-50	DENSE	8-15	STIFF								
>50	V.DENSE	15-30	V.STIFF								
		>30	HARD								

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-26	
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720228-0800		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1829, NGD		ELEV. (DB): 650.6	
CONTRACTOR: EMPIRE DRILLING						ELEV. (TOG): --		DATE START: 12-3-91	
						DATE FINISH: 12-3-91		DRILLER: Empire	
						INSPECTOR: CTM			
				GROUNDWATER READINGS					
		CASING	SAMPLER	CORE BARREL		DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
TYPE:	AUGER	SPLIT SPOON	-						
SIZE (I/O):	6.24/2.53	3" O.D.	-						
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
SAMPLE						SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
DEPTH (FT)	CASING	SAMPLE	RECOVERY	SAMPLE	VOC				
	BLOWS PER FOOT	BLOWS PER 6 INCHES	(FT)	DEPTH RANGE	SCREEN PPM				
1						Olive-Gray SILT, some +CLAY, trace - GRAVEL and Trace Fine to Medium SAND		TW (ML)	
2									
3									
4						3.5' Gray Weathered Shale, Fleasie, Some SILT		Weathered Shale	
5	100/2					Refusal @ 4.2' Gray Shale		Competent Shale	
6									
7									
8									
9									
10									
11									
12									
13									
GRANULAR SOILS			COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"					
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-27	
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0800		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV.(GS): 648.7	
CONTRACTOR: EMPIRE DRILLING						ELEV.(TOG): -		DATE START: 12-4-91	
				GROUNDWATER READINGS				DATE FRESH: 12-4-91	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	DRILLER: Jim/Alan	
TYPE: AUGER				SPLIT SPOON				INSPECTOR: PFM	
SIZE ID/OD: 8.24/8.53				3" O.D.					
HAMMER WEIGHT: -				140 LB					
HAMMER FALL: -				30 INCH					
SAMPLE						SAMPLE DESCRIPTION		STRATUM DESCRIPTION	
DEPTH (FT.)	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 8 INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1						Olive-Gray SILT, some +CLAY, trace -GRAVEL and Trace Fine to Medium SAND		THI (ML)	
2			2'	0-2'	0.0				
3									
4			1'	2-4'	0.0				
5			.1-						
6				4-6'	0.0	Refusal @ 6.0'			
7						Gray Shale		Competent Shale	
8									
9									
10									
11									
12									
13									
GRANULAR SOILS			COHESIVE SOILS			VOL. WATER LOST: GAL. DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY		VOC DETECTOR: ORGANIC VAPOR METER				
0-4	V. LOOSE	<2	V.SOFT		WELL PIPE	PVC	DIAM. 2"	SLOT SIZE: 0.010"	
4-10	LOOSE	2-4	SOFT		REMARKS: No Equipment Installed				
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-28	
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600		SHEET NO: 1 OF 1	
CLIENT: SENECA ARMY DEPOT						ELEV. DATUM: 1929, NGD		ELEV. (OB): 648.9	
CONTRACTOR: EMPIRE DRILLING						ELEV. (TOG): -		DATE START: 12-4-91	
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE FINISH: 12-4-91 <th rowspan="2">DRILLER: Jim/Alan </th>	DRILLER: Jim/Alan
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME		
SIZE (VOD):	8.24/8.53	3" O.D.	-					INSPECTOR: PFM	
HAMMER WEIGHT:	-	140 LB	-						
HAMMER FALL:	-	30 INCH	-						
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION		
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (PT)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)				
1						Olive-Gray SILT, some +CLAY, trace - GRAVEL and Trace Fine to Medium SAND	TW (ML)		
2				0-2'	0.0				
3									
4				2-4'	0.0				
5									
6			2	4-6'	5.0	Gray Weathered Shale, Fissile, Some SILT	Weathered Shale		
7						Gray Shale	Competent Shale		
8									
9									
10									
11									
12									
13									
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:			
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER					
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM. 2"	SLOT SIZE: 0.010"		
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed					
10-30	M.DENSE	4-8	M.STIFF						
30-50	DENSE	8-15	STIFF						
>50	V.DENSE	15-30	V.STIFF						
		>30	HARD						

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-29			
PROJECT: SEAD, ASH LANDFILL RIFS							JOB NO: 720229-0600				
CLIENT: SENECA ARMY DEPOT							SHEET NO: 1 OF 1				
CONTRACTOR: EMPIRE DRILLING							ELEV. DATUM: 1929, NGD				
							ELEV.(DB): 649.1				
							ELEV.(TOO): -				
							DATE START: 12-4-91				
							DATE FINISH: 12-4-91				
							DRILLER: Empire				
							INSPECTOR: CTM				
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME				
TYPE:	AUGER	SPLIT SPOON	-								
SIZE RVD:	6.24/9.53	3" O.D.	-								
HAMMER WEIGHT:	-	140 LB	-								
HAMMER FALL:	-	30 INCH	-								
DEPTH (FT.)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION				
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER INCHES	RECOVERY (FT.)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)						
1						Olive-Gray SILT, some +CLAY, trace - GRAVEL and Trace Fine to Medium SAND	TM (ML)				
2			2	0-2'	0.0						
3											
4			2	2-4'	0.0						
5						Gray Weathered Shale, Friable, Some SILT	Weathered Shale				
6			2	4-6'	109						
7						Gray Shale	Competent Shale				
8											
9											
10											
11											
12											
13											
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST:		GAL. DATE WELL DEVELOPED:					
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR:	ORGANIC VAPOR METER						
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2"				
4-10	LOOSE	2-4	SOFT	SLOT SIZE: 0.010"							
10-30	M.DENSE	4-8	M.STIFF	REMARKS: No Equipment installed							
30-50	DENSE	8-15	STIFF								
>50	V.DENSE	15-30	V.STIFF								
		>30	HARD								

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-30			
PROJECT: SEAD, ASH LANDFILL RIFS						JOB NO: 720229-0600					
CLIENT: SENECA ARMY DEPOT						SHEET NO: 1 OF 1					
CONTRACTOR: EMPIRE DRILLING						ELEV. DATE: 1929, NQD					
						ELEV. (DB): 648.9					
						ELEV. (OC): -					
						DATE START: 12-4-81					
						DATE FINISH: 12-4-81					
						DRILLER: Empire					
						INSPECTOR: CTM					
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME				
	AUGER	SPLIT SPOON	-								
SIZE (I/O):	6.24/5.53	3" O.D.	-								
HAMMER WEIGHT:	-	140 LB	-								
HAMMER FALL:	-	30 INCH	-								
DEPTH (FT)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION				
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 6 INCHES	RECOVERY (FT)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)						
1						Olive-Gray SILT, some +CLAY, trace -GRAVEL and Trace Fine to Medium SAND	TM (ML)				
2			2	0-2'	0.0						
3											
4			1.25	2-4'	21						
5											
6			2	4-6'	274	Gray Weathered Shale, Fissile, Some SILT Refusal @ 8.0'	Weathered Shale				
7						Gray Shale	Competent Shale				
8											
9											
10											
11											
12											
13											
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL. DATE WELL DEVELOPED:							
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER							
0-4	V. LOOSE	<2	V.SOFT	WELL PIPE	PVC	DIAM.	2" SLOT SIZE: 0.010"				
4-10	LOOSE	2-4	SOFT	REMARKS: No Equipment Installed							
10-30	M.DENSE	4-8	M.STIFF								
30-50	DENSE	8-15	STIFF								
>50	V.DENSE	15-30	V.STIFF								
		>30	HARD								

FIGURE NO.

CHAS. T. MAIN, INC.				TEST BORING REPORT				BORING NO: B-31				
PROJECT: SEAD, ASH LANDFILL RIFS				JOB NO: 720229-0600				SHEET NO: 1 OF 1				
CLIENT: SENECA ARMY DEPOT				ELEV. DATUM: 1929, NGD				ELEV. (DB): 654.3				
CONTRACTOR: EMPIRE DRILLING				ELEV. (TOG): -				DATE START: 12-5-81				
				DATE FINISH: 12-5-81				DRILLER: Jim/Alan				
				INSPECTOR: PFM								
TYPE:	CASING	SAMPLER	CORE BARREL	GROUNDWATER READINGS				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME	
				DATE	TIME	DEPTH TO WATER	STABILIZATION TIME					
	ALJGER	SPLIT SPOON	-									
SIZE KVOO:	8.24/8.53	3" O.D.	-									
HAMMER WEIGHT:	-	140 LB	-									
HAMMER FALL:	-	30 INCH	-									
DEPTH (FT)	SAMPLE					SAMPLE DESCRIPTION	STRATUM DESCRIPTION					
	CASING BLOWS PER FOOT	SAMPLE BLOWS PER 8 INCHES	RECOVERY (FT)	SAMPLE DEPTH RANGE	VOC SCREEN (PPM)							
1						SILT and CLAY, Nails, Glass, Wire, Fill Constituents	Fill					
2			1.3		0.0	Olive-Gray SILT, some +CLAY, Trace - GRAVEL and Trace Fine to Medium SAND	TM (ML)					
3												
4			1.6		0.0							
5												
6					26							
7												
8					2	7.25' Gray Weathered Shale, Friable, Some SILT	Weathered Shale					
9						Refusal @ 6.0' Gray Shale	Competent Shale					
10												
11												
12												
13												
GRANULAR SOILS		COHESIVE SOILS		VOL. WATER LOST: GAL.		DATE WELL DEVELOPED:						
BLOWS/FT	DENSITY	BLOWS/F	CONSISTENCY	VOC DETECTOR: ORGANIC VAPOR METER		WELL PIPE PVC DIAM. 2" SLOT SIZE: 0.010"						
0-4	V. LOOSE	<2	V.SOFT	REMARKS: No Equipment Installed								
4-10	LOOSE	2-4	SOFT									
10-30	M.DENSE	4-8	M.STIFF									
30-50	DENSE	8-15	STIFF									
>50	V.DENSE	15-30 >30	V.STIFF HARD									

APPENDIX D

GEOPHYSICAL ANOMALLY EXCAVATION LOGS

CHAS. T. MAIN, INC.		TEST PIT REPORT		TEST PIT NO: TP-1
PROJECT:	PRELIMINARY SITE CHARACTERIZATION REPORT, ASH LANDFILL			JOB NO: 720229-05000
LOCATION:	NON-COMBUSTIBLE DEBRIS LANDFILL			SHEET NO: 1 OF 1
CONTRACTOR:	EMPIRE DRILLING, INC.			DATE START: DECEMBER 5, 1992
				DATE FINISH: DECEMBER 5, 1992
				OPERATORS: J. HAMMOND, A. KIMBELL
				INSPECTORS: J. CUPP, J. PETERS
				LINE: 16 (1,482 FT.)
DEPTH (FT.)	OBJECT FOUND	TEST PIT DIMENSIONS		SOIL TYPE
		TEST PIT AREA (CUBIC FT.)	DEPTH TO OBJECT	
	NO	10 L x 3 W x 5 D	N/A	
1'	NO OBJECTS FOUND			TOPSOIL GRADING INTO FILL
2'	NO OBJECTS FOUND			FILL
3'	NO OBJECTS FOUND			FILL
4'	NO OBJECTS FOUND			FILL
5'	NO OBJECTS FOUND (BOTTOM OF HOLE 5')			FILL
6'				
VOC DETECTOR:		PARTICULATE METER:		RADIATION METER:
ORGANIC VAPOR METER OVM-580B 0.0 PPM		MINIRAM PDM-3 0.05-0.12 MG/M3		MINI-CONRAD 0 MRADS

CHAS. T. MAIN, INC.		TEST PIT REPORT		TEST PIT NO: TP-2
PROJECT:	PRELIMINARY SITE CHARACTERIZATION REPORT, ASH LANDFILL			JOB NO: 720229-05000
LOCATION:	NON-COMBUSTIBLE DEBRIS LANDFILL			SHEET NO: 1 OF 1
CONTRACTOR:	EMPIRE DRILLING, INC.			DATE START: DECEMBER 5, 1992
				DATE FINISH: DECEMBER 5, 1992
				OPERATORS: J. HAMMOND, A. KIMBELL
				INSPECTORS: J. CUPP, J. PETERS
				LINE: 16 (1,446 FT.)
DEPTH (FT.)	OBJECT FOUND	TEST PIT DIMENSIONS		SOIL TYPE
		TEST PIT AREA (CUBIC FT.)	DEPTH TO OBJECT	
	YES	10 L x 3 W x 4.5 D	9"	
1'	SINGLE PIECE OF STEEL MEASURING 1x1 (SQ. FT.)			TOPSOIL GRADING INTO FILL
2'	NO OBJECTS FOUND			FILL
3'	NO OBJECTS FOUND			FILL
4'	NO OBJECTS FOUND			FILL
5'	NO OBJECTS FOUND (BOTTOM OF HOLE 4.5')			FILL
6'				
VOC DETECTOR:		PARTICULATE METER:		RADIATION METER:
ORGANIC VAPOR METER OVM-580B 0.0 PPM		MINIRAM PDM-3 0.05-0.12 MG/M3		MINI-CONRAD 0 MRADS

CHAS. T. MAIN, INC.		TEST PIT REPORT		TEST PIT NO: TP-3
PROJECT:	PRELIMINARY SITE CHARACTERIZATION REPORT, ASH LANDFILL		JOB NO:	720229-05000
LOCATION:	NON-COMBUSTIBLE DEBRIS LANDFILL		SHEET NO:	1 OF 1
CONTRACTOR:	EMPIRE DRILLING, INC.		DATE START:	DECEMBER 5, 1992
			DATE FINISH:	DECEMBER 5, 1992
			OPERATORS:	J. HAMMOND, A. KIMBELL
			INSPECTORS:	J. CUPP, J. PETERS
			LINE:	16 (1,432 FT.)
DEPTH (FT.)	OBJECT FOUND	TEST PIT DIMENSIONS		SOIL TYPE
		TEST PIT AREA (CUBIC FT.)	DEPTH TO OBJECT	
	NO	10 L x 3 W x 5 D	N/A	
1'	NO OBJECTS FOUND			TOPSOIL GRADING INTO FILL
2'	NO OBJECTS FOUND			FILL
3'	NO OBJECTS FOUND			FILL
4'	NO OBJECTS FOUND			FILL
5'	NO OBJECTS FOUND (BOTTOM OF HOLE 5')			FILL
6'				
VOC DETECTOR:		PARTICULATE METER:		RADIATION METER:
ORGANIC VAPOR METER OVM-580B 0.0 PPM		MINIRAM PDM-3 0.05-0.12 MG/M3		MINI-CONRAD 0 MRADS

CHAS. T. MAIN, INC.		TEST PIT REPORT		TEST PIT NO: TP-4
PROJECT:	PRELIMINARY SITE CHARACTERIZATION REPORT, ASH LANDFILL			JOB NO: 720229-05000
LOCATION:	NON-COMBUSTIBLE DEBRIS LANDFILL			SHEET NO: 1 OF 1
CONTRACTOR:	EMPIRE DRILLING, INC.			DATE START: DECEMBER 5, 1992
				DATE FINISH: DECEMBER 5, 1992
				OPERATORS: J. HAMMOND, A. KIMBELL
				INSPECTORS: J. CUPP, J. PETERS
				LINE: 16 (1,252 FT.)
DEPTH (FT.)	OBJECT FOUND	TEST PIT DIMENSIONS		SOIL TYPE
		TEST PIT AREA (CUBIC FT.)	DEPTH TO OBJECT	
	YES	10 L x 3 W x 4.5 D	2.5'	
1'	NO OBJECTS FOUND			TOPSOIL GRADING INTO FILL
2'	2 CONCRETE FOOTINGS WITH STEEL FENCE POSTS THEREIN			FILL
3'	NO OBJECTS FOUND			FILL
4'	NO OBJECTS FOUND			FILL
5'	NO OBJECTS FOUND (BOTTOM OF HOLE 4.5')			FILL
6'				
VOC DETECTOR:		PARTICULATE METER:		RADIATION METER:
ORGANIC VAPOR METER OVM-580B 0.0 PPM		MINIRAM PDM-3 0.05-0.12 MG/M3		MINI-CONRAD 0 MRADS

CHAS. T. MAIN, INC.		TEST PIT REPORT		TEST PIT NO: TP-5
PROJECT:	PRELIMINARY SITE CHARACTERIZATION REPORT, ASH LANDFILL			JOB NO: 720229-05000
LOCATION:	NON-COMBUSTIBLE DEBRIS LANDFILL			SHEET NO: 1 OF 1
CONTRACTOR:	EMPIRE DRILLING, INC.			DATE START: DECEMBER 5, 1992
				DATE FINISH: DECEMBER 5, 1992
				OPERATORS: J. HAMMOND, A. KIMBELL
				INSPECTORS: J. CUPP, J. PETERS
				LINE: 17 (1,188 FT.)
DEPTH (FT.)	OBJECT FOUND	TEST PIT DIMENSIONS		SOIL TYPE
		TEST PIT AREA (CUBIC FT.)	DEPTH TO OBJECT	
	YES	10 L x 3 W x 5 D	2' & 3'	
1'	NO OBJECTS FOUND			TOPSOIL GRADING INTO FILL
2'	2 CONCRETE FOOTINGS WITH STEEL FENCE POSTS THEREIN			FILL
3'	1 REINFORCED CONCRETE PIPE 16" I.D. (APPROX.)			FILL
4'	NO OBJECTS FOUND			FILL
5'	NO OBJECTS FOUND (BOTTOM OF HOLE 5')			FILL
6'				
VOC DETECTOR:		PARTICULATE METER:		RADIATION METER:
ORGANIC VAPOR METER OVM-580B 0.0 PPM		MINIRAM PDM-3 0.05-0.12 MG/M3		MINI-CONRAD 0 MRADS

APPENDIX E

SOIL GAS DATA

- CHROMATOGRAMS
- CALIBRATION CURVES AND STATISTICS

CHROMATOGRAMS

FROM:

NATIONAL SPECIALTY GASES
630 UNITED DRIVE
DURHAM, NORTH CAROLINA 27713

TO:

CANAAN

CERTIFICATE OF ANALYSIS

DATE REPORTED: 10/15/91

REFERENCE #: 88-14207

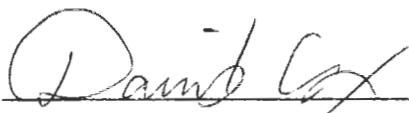
MATERIAL SUBMITTED: BENZENE, TOLUENE, O-XYLENE, TRICHLOROETHYLENE
CIS-1,2-DICHLOROETHYLENE IN NITROGEN
CERTIFIED CYLINDER #FF28709

INFORMATION REQUESTED: RATIO ANALYSIS

METHOD OF ANALYSIS: GAS CHROMATOGRAPH

RESULT OF INVESTIGATION:

COMPONENT	SPECIFICATION	CONCENTRATION
CIS-1,2-DICHLOROETHYLENE	100PPM	91.4PPM
BENZENE	100PPM	93.8PPM
TRICHLOROETHYLENE	100PPM	86.9PPM
TOLUENE	100PPM	100PPM
O-XYLENE	100PPM	111PPM
NITROGEN		BALANCE



AUTHORIZED SIGNATURE

"THIS REPORT STATES ACCURATELY THE RESULTS OF THE INVESTIGATION MADE UPON THE MATERIAL SUBMITTED TO THE ANALYTICAL LABORATORY. EVERY EFFORT HAS BEEN MADE TO DETERMINE OBJECTIVELY THE INFORMATION REQUESTED; HOWEVER, IN CONNECTION WITH ITS RENDERING OF THIS REPORT, NATIONAL SPECIALTY GASES SHALL HAVE NO LIABILITY IN EXCESS OF ITS ESTABLISHED CHARGE FOR THE SERVICE. ANY USE OF THIS REPORT OR THE INFORMATION CONTAINED HEREIN SHALL BE AT THE SOLE RISK OF THE USER."

Client _____ Job No. _____ Sheet _____ of _____
 Subject _____ By _____ Date _____
 Ckd. _____ Rev. _____

Gas Standard: Prepared by National Specialty Gases
 Cx-1,2-DCE - 91.4
 Benzene - 93.8
 TCE - 86.9
 Toluene - 100.
 O-xylene - 111p
 N₂ - Balance

PHOTOVAC
□□□□

PHOTOVAC

OCT 25 1991 10:57
 FIELD: 30
 POWER: 45

SAMPLE	0.0	10.0
CHK	0.0	0.0
EVENT 3	0.0	125.0
EVENT 4	0.0	0.0
EVENT 5	10.0	200.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PHOTOVAC
□□□□

PHOTOVAC

OCT 26 1991 1:28
 INTERNAL BATTERIES LOW, POWER OFF
 AC OPERATION REQUIRED

□□□□

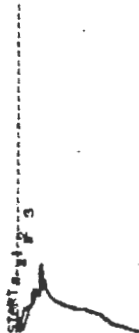
SETUP PHOTOVAC
 NIGHT OF 11/14

PHOTOVAC

OCT 26 1991 1:22
 FIELD: 30
 POWER: 46

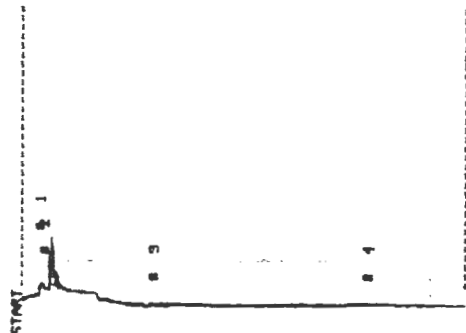
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CHK	0.0	0.0
EVENT 3	0.0	125.0
EVENT 4	0.0	0.0
EVENT 5	10.0	200.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PHOTOVAC



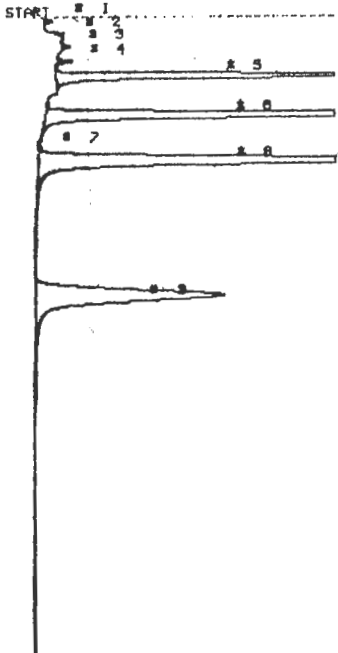
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 SAMPLE LIBRARY 1 NOV 14 1991 12:10
 ANALYSIS 0 1 NO INJ
 INTERNAL TEMP 20
 GAIN 5
 COMPOUND NAME PEAK P.T. AREA/PTH
 UNKNOWN 1 10.5 285.0 AUS
 UNKNOWN 3 57.8 285.0 AUS

PHOTOVAC



STOP 0 373.7
 SAMPLE LIBRARY 1 NOV 14 1991 12:10
 ANALYSIS 0 1 NO INJ
 INTERNAL TEMP 21
 GAIN 5
 COMPOUND NAME PEAK P.T. AREA/PTH
 UNKNOWN 1 47.5 723.2 AUS
 UNKNOWN 2 55.1 185.4 AUS

PHOTOVAC



STOP # 1898.0
 SAMPLE LIBRARY 1 NOV 14 1991 19:22
 ANALYSIS # 7 GAS STD 5 PPM
 INTERNAL TEMP 24 1 ML INJ
 GAIN 5 DCE BIX ICE

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	4	98.5	172.1 US
UNKNOWN	5	98.7	16.1 US
UNKNOWN	6	151.9	25.4 US
UNKNOWN	8	223.8	38.4 US
UNKNOWN	9	441.2	13.3 US

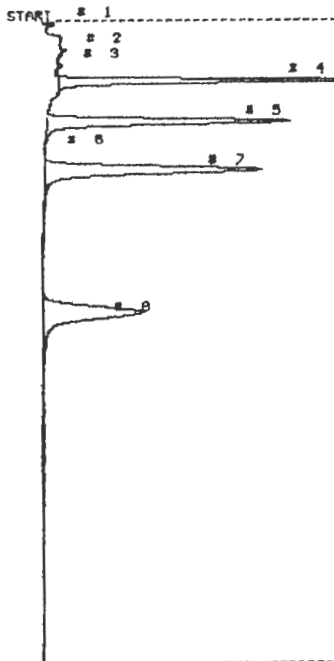
NEW DAY
 11/15

PHOTOVAC



DCE - 4.6
 Bng - 4.7
 TCE - 4.4
 Tol - 5.0
 o-xyl - 5.6

PHOTOVAC



STOP # 1898.2
 SAMPLE LIBRARY 1 NOV 14 1991 18:44
 ANALYSIS # 8 GAS STD 1 PPM
 INTERNAL TEMP 23 1 ML INJ
 GAIN 6 DCE BIX ICE

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	4	98.4	7.7 US
UNKNOWN	5	159.7	8.3 US
UNKNOWN	7	236.4	9.8 US
UNKNOWN	9	492.8	7.5 US

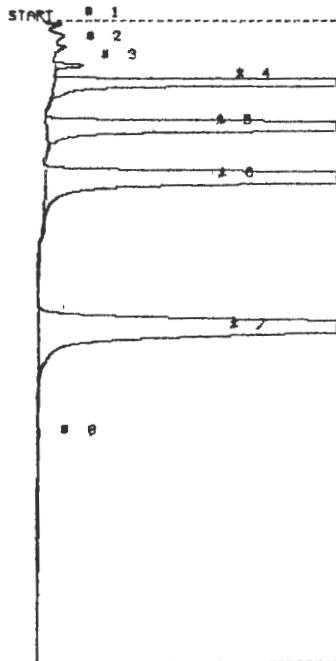
DCE - 0.91
 Bng - 0.94
 TCE - 0.87
 Tol - 0.90
 o-xyl - 1.11

PHOTOVAC

SAMPLE LIBRARY 1 NOV 14 1991 15:14
 ANALYSIS # 8 GAS STD 1 PPM
 INTERNAL TEMP 23 1 ML INJ
 GAIN 5 DCE BIX ICE

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	4	98.4	7.7 US
UNKNOWN	5	159.7	8.3 US
UNKNOWN	7	236.4	9.8 US
UNKNOWN	8	492.8	7.5 US

PHOTOVAC

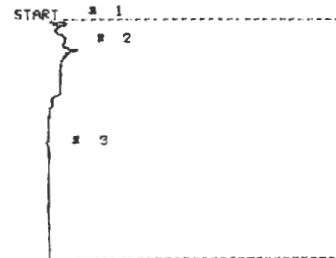


STOP # 1898.0
 SAMPLE LIBRARY 1 NOV 14 1991 18:21
 ANALYSIS # 5 GAS STD 18 PPM
 INTERNAL TEMP 24 1 ML INJ
 GAIN 5 DCE BIX ICE

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	7	71.9	541.9 US
UNKNOWN	1	98.8	25.2 US
UNKNOWN	9	165.9	58.8 US
UNKNOWN	6	245.9	87.8 US
UNKNOWN	7	491.8	195.8 US

Ca 12 DCE - 9.1
 Benzene - 9.4
 TCE - 8.7
 Toluene - 10.0
 o-xyl - 11.1

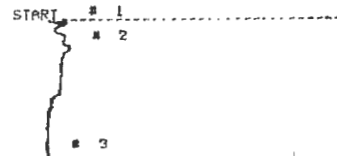
PHOTOVAC



STOP # 379.1
 SAMPLE LIBRARY 1 NOV 14 1991 17:58
 ANALYSIS # 3 AIR BLK
 INTERNAL TEMP 23 1 ML INJ
 GAIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	49.7	119.7 US

PHOTOVAC



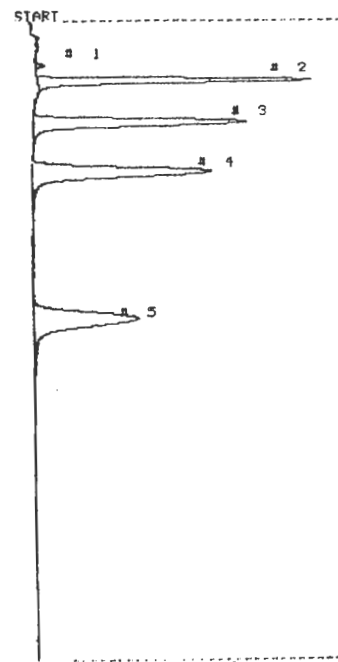
STOP # 227.4
 SAMPLE LIBRARY 1 NOV 14 1991 18:13
 ANALYSIS # 4 BULB BLK
 INTERNAL TEMP 22 1 ML INJ
 GAIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
---------------	------	------	----------

Client _____
 Subject _____
 Lab No. _____
 Date _____
 Sheet _____ of _____
 Rev. _____

MAIN
 1893

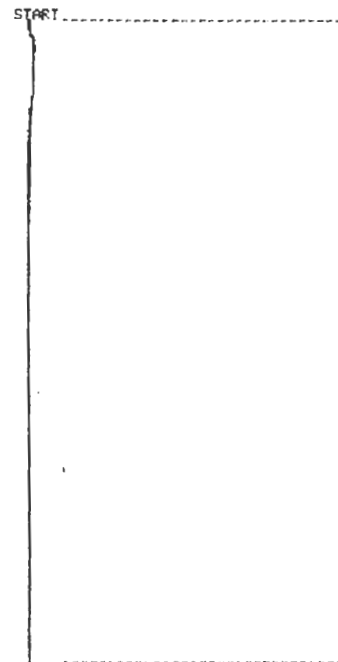
PHOTOVAC



STOP # 1000.0
SAMPLE LIBRARY 1 NOV 14 1991 20:17
ANALYSIS # 1 10 PPM STD
INTERNAL TEMP 21 1 ML INJ
GAIN 2 DCE BIX TCE

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	70.1	112.5 μS
UNKNOWN	2	94.6	7.1 US
UNKNOWN	3	161.2	3.0 US
UNKNOWN	4	240.2	5.8 US
UNKNOWN	5	426.0	8.5 US

PHOTOVAC



STOP # 1000.0
SAMPLE LIBRARY 1 NOV 14 1991 20:26
ANALYSIS # 2 NO INJ
INTERNAL TEMP 23
GAIN 2

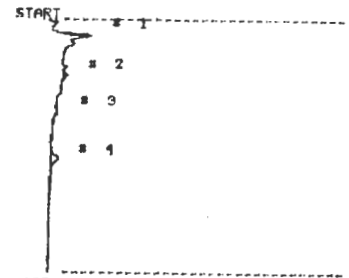
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	70.1	112.5 μS
UNKNOWN	2	94.6	7.1 US
UNKNOWN	3	161.2	3.0 US
UNKNOWN	4	240.2	5.8 US
UNKNOWN	5	426.0	8.5 US

PHOTOVAC

STOP # 9.7
SAMPLE LIBRARY 1 NOV 14 1991 20:28
ANALYSIS # 3 NO INJ
INTERNAL TEMP 23
GAIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	70.1	112.5 μS
UNKNOWN	2	94.6	7.1 US
UNKNOWN	3	161.2	3.0 US
UNKNOWN	4	240.2	5.8 US
UNKNOWN	5	426.0	8.5 US

PHOTOVAC



STOP # 359.1
SAMPLE LIBRARY 1 NOV 14 1991 20:35
ANALYSIS # 4 AIR BLK
INTERNAL TEMP 25 1ML INJ
GAIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	25.2	129.9 μS
UNKNOWN	4	222.0	269.5 μS

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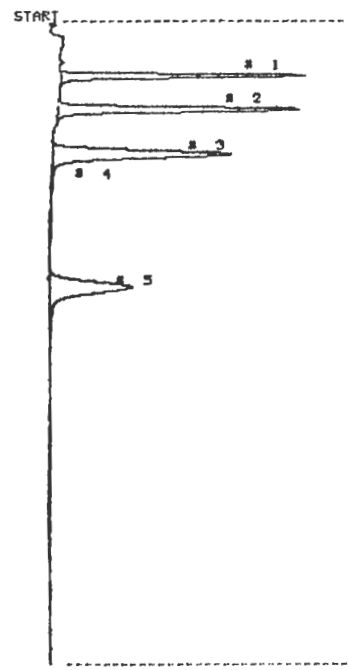
NOV 14 1991 20:37

FIELD: 30
POWER: 46

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	0.0	150.0
EVENT 4	0.0	0.0
EVENT 5	10.0	250.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

*Turn off
+ time for
flow past split
to allow system
to purge before
back flush occurs*

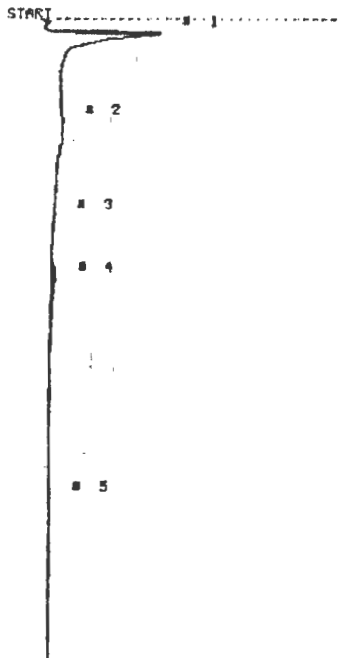
PHOTOVAC



STOP # 1000.0
SAMPLE LIBRARY 1 NOV 14 1991 20:50
ANALYSIS # 5 1.0 PPM STD
INTERNAL TEMP 25 1ML INJ
GAIN 5 DCE BIX TCE

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	82.1	5.2 US
UNKNOWN	2	148.4	6.4 US
UNKNOWN	3	218.6	7.7 US
UNKNOWN	5	421.2	5.7 US

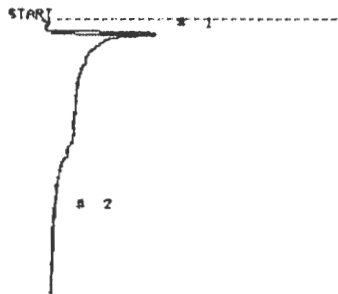
PHOTOVAC



STOP @ 1000.0
 SAMPLE LIBRARY 1 NOV 4 1891 22135
 ANALYSIS # 1A PROBE BLK
 INTERNAL TEMP 27 1 ML
 GAIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	22.4	475.5 mUS
UNKNOWN	4	400.3	435.0 mUS

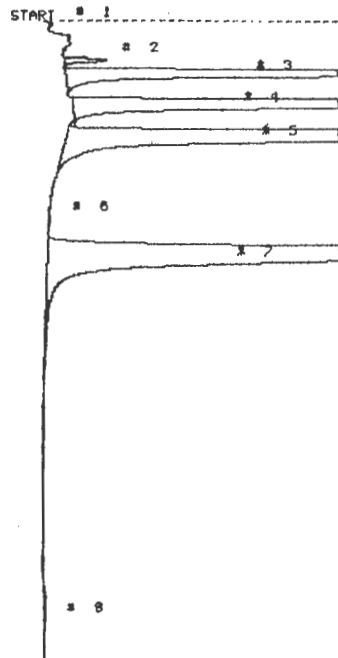
PHOTOVAC



STOP @ 430.0
 SAMPLE LIBRARY 1 NOV 4 1891 22106
 ANALYSIS # 8 STR BLK
 INTERNAL TEMP 30 1 ML
 GAIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	23.6	513.0 mUS

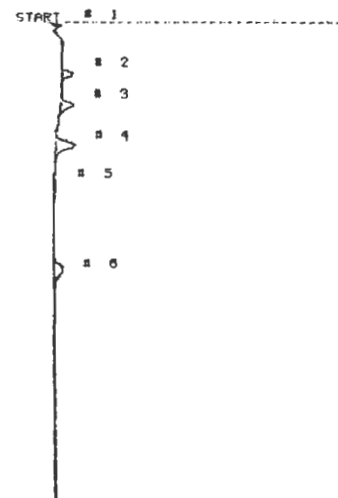
PHOTOVAC



STOP @ 1000.0
 SAMPLE LIBRARY 1 NOV 4 1891 21148
 ANALYSIS # 8 GAS STD
 INTERNAL TEMP 27 1 ML
 GAIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	61.3	280.3 mUS
UNKNOWN	3	81.4	10.2 US
UNKNOWN	4	123.8	57.3 US
UNKNOWN	5	180.8	81.3 US
UNKNOWN	7	360.5	152.1 US
UNKNOWN	8	534.0	423.1 mUS

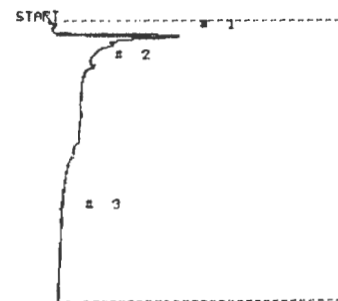
PHOTOVAC



STOP @ 750.0
 SAMPLE LIBRARY 1 NOV 4 1891 21120
 ANALYSIS # 6 AIR BLK
 INTERNAL TEMP 20 2 ML INJ
 GAIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	82.0	204.0 mUS
UNKNOWN	5	133.6	433.1 mUS
UNKNOWN	1	192.2	881.5 mUS
UNKNOWN	6	350.2	615.5 mUS

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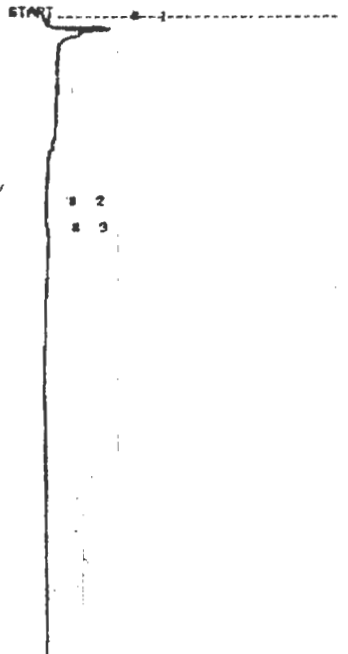
STOP @ 434.0
 SAMPLE LIBRARY 1 NOV 4 1891 21129
 ANALYSIS # 7 AIR BLK
 INTERNAL TEMP 29 2 ML INJ
 GAIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	21.5	522.1 mUS

Client _____
 Subject _____
 Job No. _____
 Date _____
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MAIN
1893

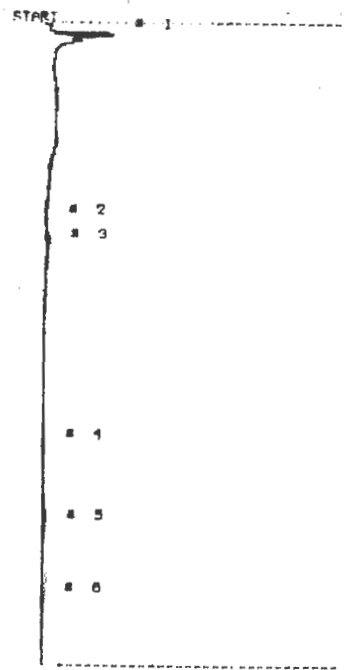
PHOTOVAC



STOP # 1020.0
 SAMPLE LIBRARY 1 NOV 15 1991 0:33
 ANALYSIS # 14 STR BLK
 INTERNAL TEMP 27 1 ML
 ORIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.9	239.8 μS

PHOTOVAC



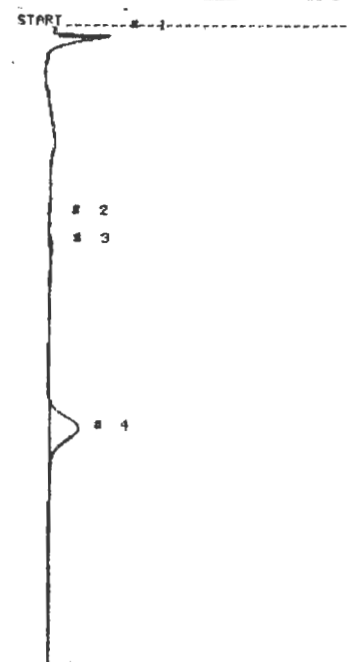
STOP # 1000.0
 SAMPLE LIBRARY 1 NOV 15 1991 0:17
 ANALYSIS # 13 SO-03
 INTERNAL TEMP 26 1 ML
 ORIN 5 LINE 16,1440 FT

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.9	281.2 μS
UNKNOWN	5	284.8	288.5 μS

196

②

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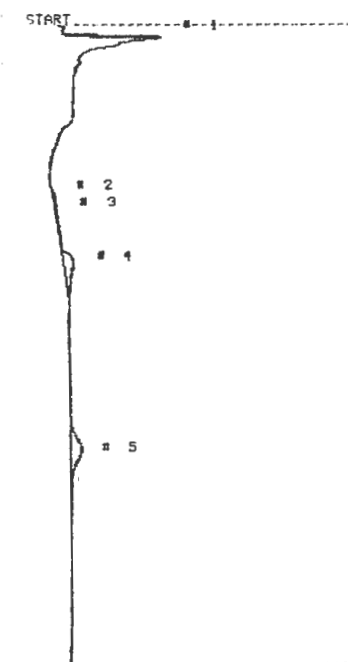
STOP # 1020.0
 SAMPLE LIBRARY 1 NOV 14 1991 23:55
 ANALYSIS # 12 SO-02 DUP OF 01
 INTERNAL TEMP 26 1 ML
 ORIN 5 LINE 16-1482 FT

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.9	159.7 μS
UNKNOWN	4	641.7	4.3 US

4.46

②

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STOP # 1000.0
 SAMPLE LIBRARY 1 NOV 14 1991 23:27
 ANALYSIS # 11 SO-01
 INTERNAL TEMP 27 1 ML
 ORIN 5 LINE 16-1482 FT

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	22.9	355.0 μS
UNKNOWN	4	380.2	1.3 US
UNKNOWN	5	677.4	1.5 US

①

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□ □ □ □

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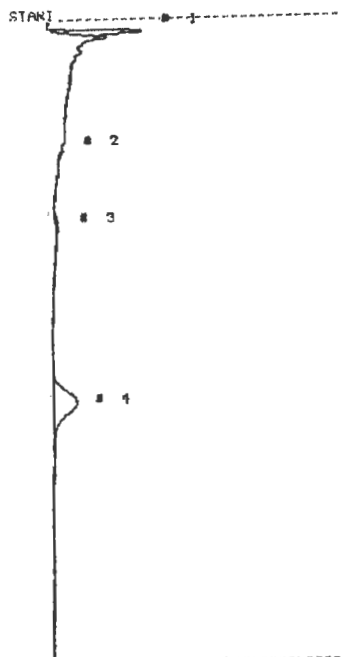
NOV 15 1991 2141

FIELD: 30
POWER: 12

SAMPLE	0.0	10.0
QVL	0.0	0.0
EVENT 3	0.0	200.0
EVENT 4	0.0	0.0
EVENT 5	10.0	300.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

*↑ time
to get
upland*

PHOTOVAC

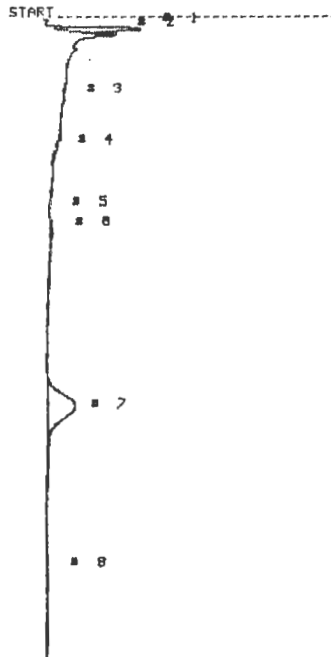


STOP # 1000.0
SAMPLE LIBRARY 1 NOV 15 1991 1144
ANALYSIS # 12 50-00
INTERNAL TEMP 20 1 ML
GAIN 5 LINE 16,1252 FT

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	13.2	1.3 US
UNKNOWN	4	620.5	3.2 US

4.5

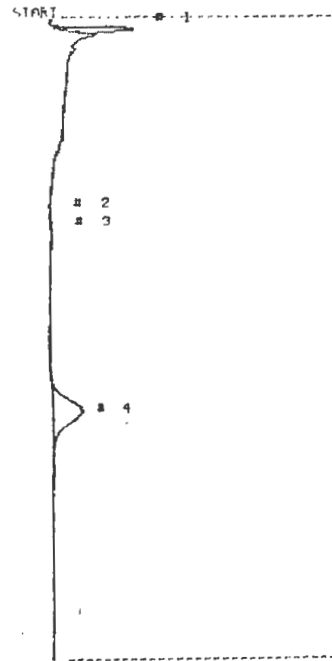
PHOTOVAC



STOP # 1000.0
SAMPLE LIBRARY 1 NOV 15 1991 1126
ANALYSIS # 10 50-03, DUP OF 04
INTERNAL TEMP 27 1 ML
GAIN 5 LINE 16,1492 FT

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	13.0	1.3 US
UNKNOWN	6	335.0	150.3 μUS
UNKNOWN	7	613.1	4.0 US

PHOTOVAC



STOP # 1000.0
SAMPLE LIBRARY 1 NOV 15 1991 1118
ANALYSIS # 15 50-04
INTERNAL TEMP 27 1 ML
GAIN 5 LINE 16,1492 FT

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	10.0	1.2 US
UNKNOWN	4	622.1	1.3 US

5.5

Client _____ Job No. _____ Sheet _____ of _____
Subject _____ By _____ Date _____
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NOU 18 1551 2133

FIELD: 30
POWER: 11

SAMPLE	0.0	10.0
CAF	0.0	0.0
EVENT 3	0.0	700.0
EVENT 4	0.0	0.0
EVENT 5	10.0	500.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

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□□□□

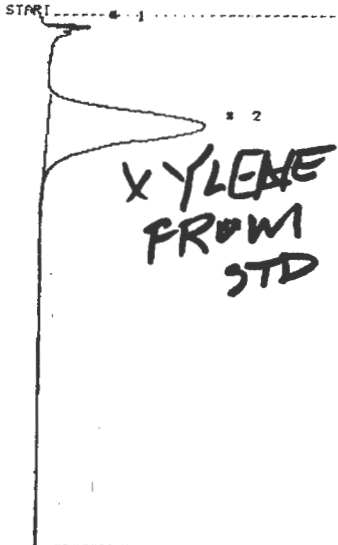
PHOTOVAC

START: 0-1

STOP: 2 500.0
 SAMPLE LIBRARY 1 NOU 18 1551 10120
 ANALYSIS 0 1 STR BLK
 INTERNAL TEMP 25 1 ML
 CRIN 2

CONFOUND NAME PEAK R.T. AREA/PTH

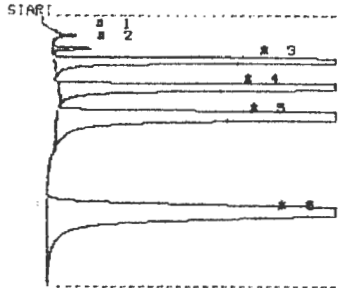
PHOTOVAC



STOP # 824.6
SAMPLE LIBRARY 1 NOV 18 1991 11:31
ANALYSIS # 8 STR BLK NO. 1
INTERNAL TEMP 27 1 ML
GAIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	19.7	196.5 μS
UNKNOWN	2	174.2	26.6 US

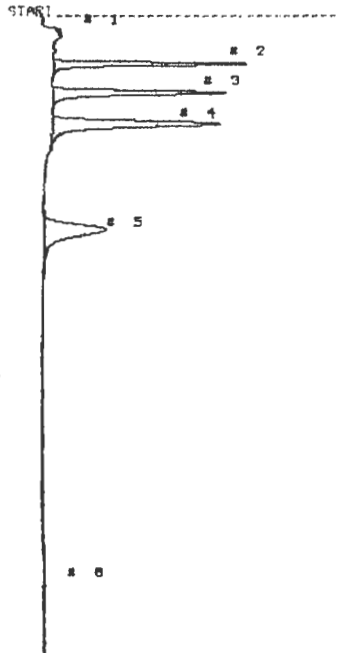
PHOTOVAC



STOP # 416.3
SAMPLE LIBRARY 1 NOV 18 1991 11:11
ANALYSIS # 4 5 PPM GAS STD
INTERNAL TEMP 28 .5 ML OF 10 PPM
GAIN 5 DCE,BTK,TCE

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	31.7	102.2 μS
UNKNOWN	2	52.1	133.2 μS
UNKNOWN	3	68.8	19.3 US
UNKNOWN	4	110.8	92.4 US
UNKNOWN	5	155.8	48.8 US
UNKNOWN	6	306.1	59.5 US

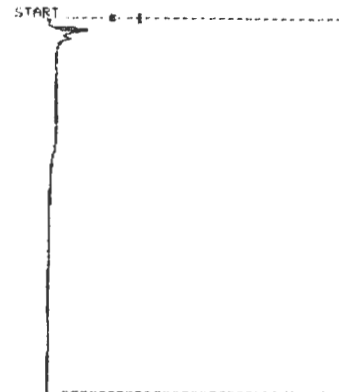
PHOTOVAC



STOP # 1030.0
SAMPLE LIBRARY 1 NOV 18 1991 11:08
ANALYSIS # 3 STR BLK NO. 1 PPM
INTERNAL TEMP 24 1 ML MD
GAIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	79.5	3.8 US
UNKNOWN	3	119.2	4.8 US
UNKNOWN	4	169.7	6.2 US
UNKNOWN	5	339.4	4.8 US

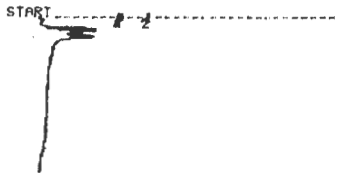
PHOTOVAC



STOP # 582.7
SAMPLE LIBRARY 1 NOV 18 1991 10:33
ANALYSIS # 2 STR BLK
INTERNAL TEMP 25 1 ML
GAIN 8

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	19.7	152.4 μS

PHOTOVAC



STOP # 249.1
SAMPLE LIBRARY 1 NOV 18 1991 11:16
ANALYSIS # 9 STR BLK NO. 2
INTERNAL TEMP 31 1 ML
GAIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.9	175.9 μS

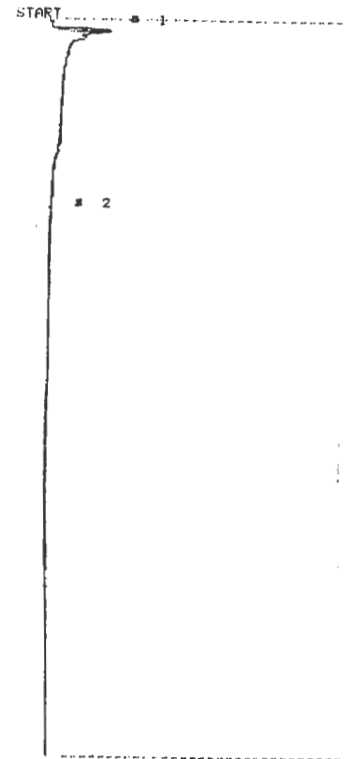
Client Su

Job No. _____
By _____ Date _____
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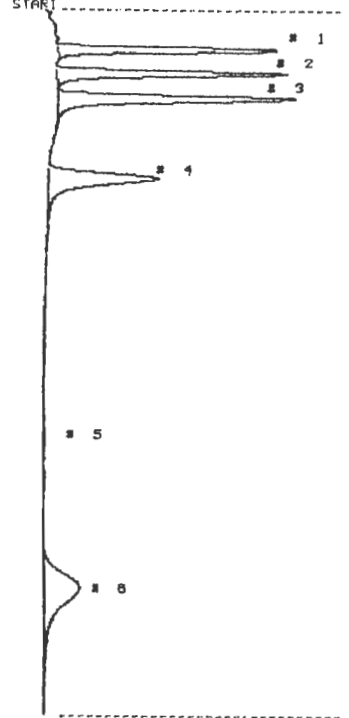


STOP # 1150.1
 SAMPLE LIBRARY 1 NOV 18 1991 11:51
 ANALYSIS # 7 QAS STD
 INTERNAL TEMP 26 1 ML
 GAIN 5 SYR NO. 1

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	19.6	210.4 μS

SG-07

PHOTOVAC

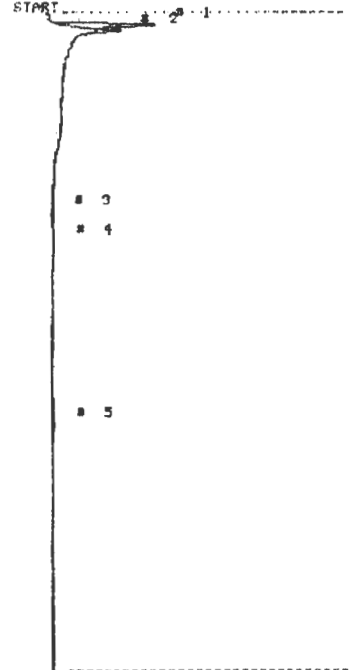


STOP # 1857.3
 SAMPLE LIBRARY 1 NOV 18 1991 12:12
 ANALYSIS # 8 QAS STD
 INTERNAL TEMP 27 2 ML OF 1PPM
 GAIN 5 DCE, BTX, TCE

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	61.3	6.1 US
UNKNOWN	2	39.9	7.2 US
UNKNOWN	3	138.0	3.3 US
UNKNOWN	4	204.7	7.3 US
UNKNOWN	6	313.6	6.8 US

o-xylene 2.2
 Toluene 2.0
 TFE 1.7
 Benzene 1.9
 DCE 1.8
 Conc

PHOTOVAC

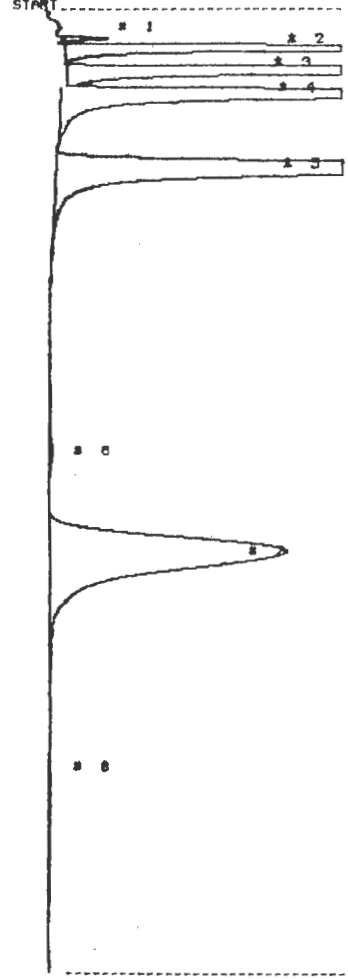


STOP # 1021.4
 SAMPLE LIBRARY 1 NOV 18 1991 12:03
 ANALYSIS # 9 LINE 16, 665 FT
 INTERNAL TEMP 27 1 ML
 GAIN 5 SYR NO. 2

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	15.5	1.4 US
UNKNOWN	2	25.3	388.1 μS

SG-06

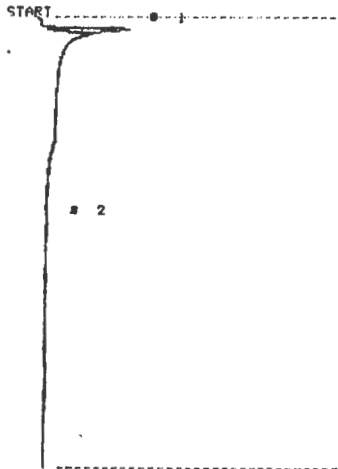
PHOTOVAC



STOP # 1500.8
 SAMPLE LIBRARY 1 NOV 18 1991 12:57
 ANALYSIS # 10 QAS STD
 INTERNAL TEMP 27 1 ML OF 10PPM
 GAIN 5 SYR NO. 2

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	46.5	782.8 μS
UNKNOWN	2	69.6	38.8 US
UNKNOWN	3	95.7	47.9 US
UNKNOWN	4	132.2	64.3 US
UNKNOWN	5	247.6	113.8 US
UNKNOWN	6	786.1	237.8 μS
UNKNOWN	7	802.7	46.2 US

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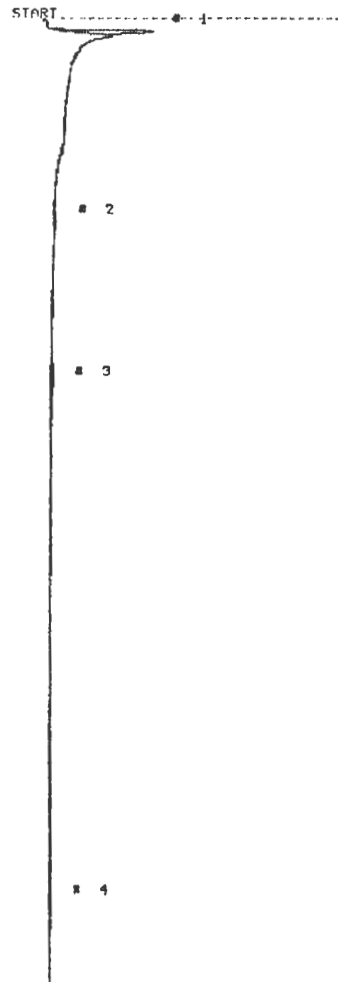
STOP # 699.4
 SAMPLE LIBRARY 1 NOV 18 1991 15:39
 ANALYSIS # 14 LINE 16, 505 FT
 INTERNAL TEMP 29 1 ML
 GAIN 5 STR NO. 3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	20.2	969.9 mUS

SG-11

SG10

PHOTOVAC

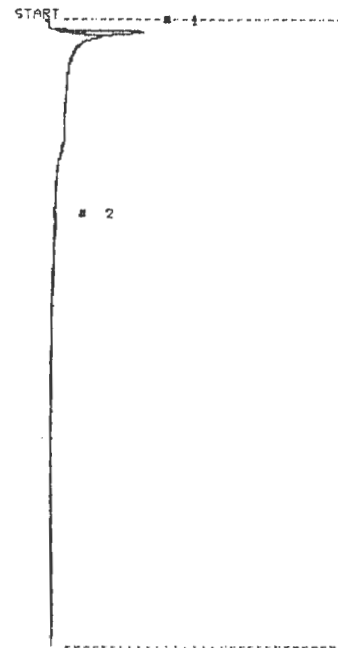


STOP # 1034.8
 SAMPLE LIBRARY 1 NOV 18 1991 15:5
 ANALYSIS # 13 LINE 16, 610 FT
 INTERNAL TEMP 28 1 ML
 GAIN 5 STR NO. 4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	20.1	1.2 US
UNKNOWN	3	563.8	159.9 mUS

SG-09

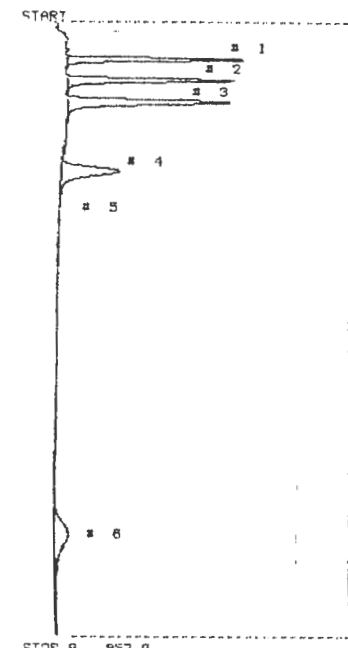
PHOTOVAC



STOP # 374.9
 SAMPLE LIBRARY 1 NOV 18 1991 14:37
 ANALYSIS # 12 LINE 16, 650 FT
 INTERNAL TEMP 29 1 ML
 GAIN 5 STR NO. 3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	20.1	1.1 US

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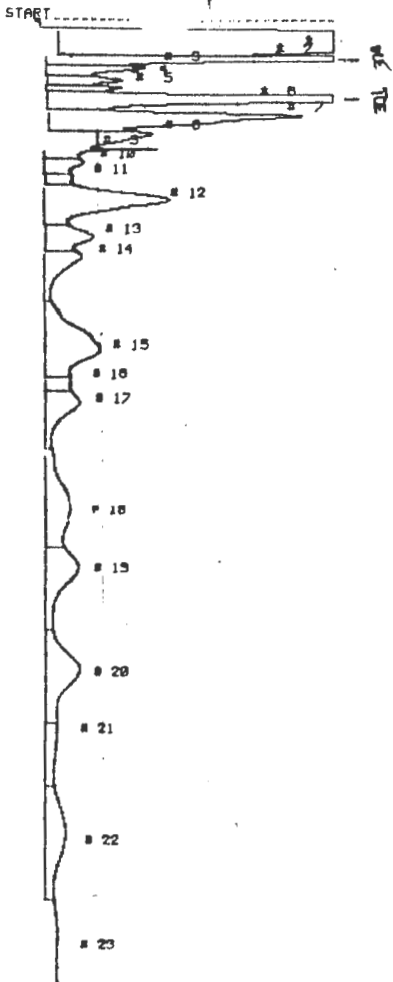
STOP # 957.0
 SAMPLE LIBRARY 1 NOV 18 1991 14:2
 ANALYSIS # 11 GAS STD
 INTERNAL TEMP 28 1 NL OF 1 PPM
 GAIN 5 DCE, BTX, TCE

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	58.0	0.2 US
UNKNOWN	2	92.5	7.6 US
UNKNOWN	3	127.0	4.0 US
UNKNOWN	4	206.4	3.0 US
UNKNOWN	5	815.8	2.3 US

Sheet _____ of _____
 Date _____
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MAIN
1893

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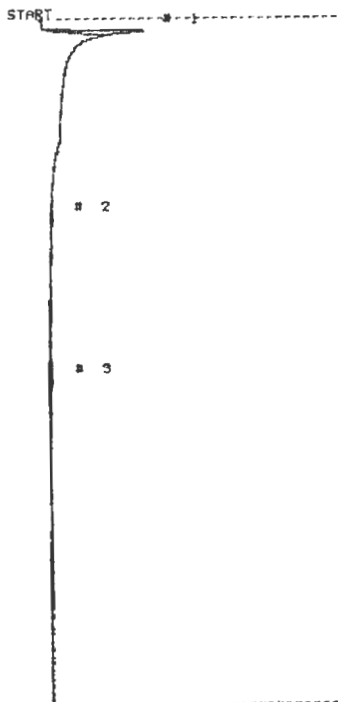
STOP @ 1200.0
 SAMPLE LIBRARY 1 NOV 18 1991 17429
 ANALYSIS # 18 PT. NEAR PT. 28
 INTERNAL TEMP 27 1 ML
 GAIN 5 STR NO. 4

COMPOUND NAME	PEAK	R.T.	AREA/PPH
UNKNOWN	1	32.7	233.1 US
UNKNOWN	2	58.7	16.9 US
UNKNOWN	3	75.1	3.9 US
UNKNOWN	4	88.7	2.8 US
UNKNOWN	5	107.8	2.3 US
UNKNOWN	6	123.7	36.8 US
UNKNOWN	7	137.6	16.8 US
UNKNOWN	9	182.7	7.3 US
UNKNOWN	9	207.6	2.2 US
UNKNOWN	10	228.0	2.5 US
UNKNOWN	11	251.4	1.8 US
UNKNOWN	12	289.9	13.3 US
UNKNOWN	13	346.6	4.9 US
UNKNOWN	14	378.2	4.8 US
UNKNOWN	15	524.3	12.1 US
UNKNOWN	16	589.8	1.8 US
UNKNOWN	17	607.9	5.8 US
UNKNOWN	18	778.6	9.1 US
UNKNOWN	19	809.3	9.2 US
UNKNOWN	20	1031.9	3.3 US
UNKNOWN	21	1127.3	3.6 US
UNKNOWN	22	1284.4	8.8 US

W/E PG
 5G-14

ADD

PHOTOVAC

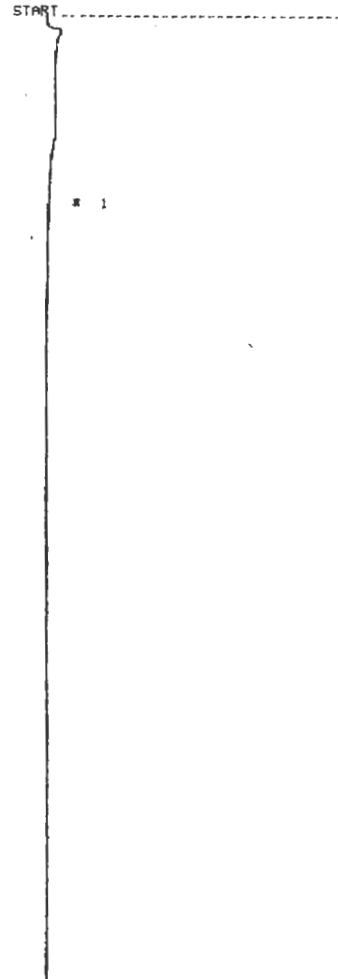


STOP @ 1265.9
 SAMPLE LIBRARY 1 NOV 18 1991 17430
 ANALYSIS # 17 PT. 7 NEAR B2-91
 INTERNAL TEMP 28 1 ML
 GAIN 5 STR NO. 3

COMPOUND NAME	PEAK	R.T.	AREA/PPH
UNKNOWN	1	19.8	1.1 US
UNKNOWN	3	562.3	148.3 μS

5G-13
 TIP DID
 NOT READ
 will redo tomorrow

PHOTOVAC

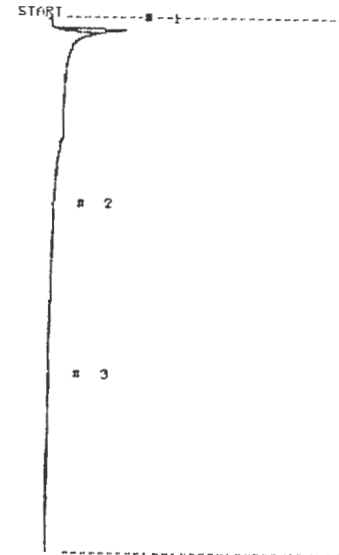


STOP @ 1500.0
 SAMPLE LIBRARY 1 NOV 18 1991 18441
 ANALYSIS # 18 LINE 16, 488 FT
 INTERNAL TEMP 27 1 ML DUP OF 488
 GAIN 5 STR NO. 4

COMPOUND NAME	PEAK	R.T.	AREA/PPH
---------------	------	------	----------

5G-12A

PHOTOVAC



STOP @ 890.5
 SAMPLE LIBRARY 1 NOV 18 1991 18443
 ANALYSIS # 15 LINE 10, 488 FT
 INTERNAL TEMP 28 1 ML
 GAIN 5 STR NO. 4

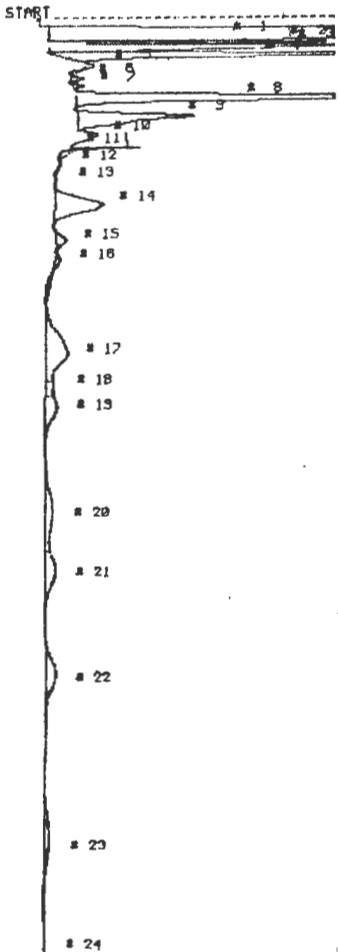
COMPOUND NAME	PEAK	R.T.	AREA/PPH
UNKNOWN	1	20.9	618.9 μS

5G-12

Client _____ Job No. _____ Sheet _____ of _____
 Subject _____ By _____ Date _____
 Ctd. _____ Rev. _____



PHOTOVAC



VC
DCE
TCE

STOP # 1500.0
 SAMPLE LIBRARY 1 NOV 18 1991 18:3
 ANALYSIS # 20 PT. NEAR PT. #8
 INTERNAL TEMP 22 0.5 ML, DUP OF #18
 GAIN 5 STR NO. 4

COMPOUND NAME PEAK R.T. AREA/PPT

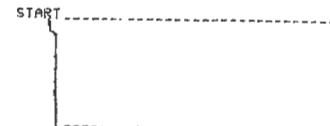
COMPOUND NAME	PEAK	R.T.	AREA/PPT
UNKNOWN	1	25.0	123.0 US
UNKNOWN	2	40.5	3.3 US
UNKNOWN	3	45.6	7.8 US
UNKNOWN	4	59.0	13.0 US
UNKNOWN	5	70.3	233.7 μS
UNKNOWN	6	99.5	234.3 μS
UNKNOWN	7	109.3	177.0 μS
UNKNOWN	8	126.2	18.1 US
UNKNOWN	9	137.2	5.2 US
UNKNOWN	10	187.2	734.1 μS
UNKNOWN	11	207.6	148.0 μS
UNKNOWN	14	236.3	3.3 US
UNKNOWN	15	354.7	613.4 μS
UNKNOWN	16	386.2	108.8 μS
UNKNOWN	17	534.1	4.1 US
UNKNOWN	18	580.3	575.7 μS
UNKNOWN	19	813.1	1.4 US
UNKNOWN	20	730.8	2.0 US
UNKNOWN	21	882.7	2.0 US
UNKNOWN	22	1047.8	1.3 US

SG-1A-A

all 1/2
 $188 \times 2 = 376$
 ~~$590 \times 2 = 1180$~~

INJECTED
 INTO WRONG
 PORT

PHOTOVAC



STOP # 100.0
 SAMPLE LIBRARY 1 NOV 18 1991 17:37
 ANALYSIS # 19 PT. NEAR PT. #8
 INTERNAL TEMP 31 0.5 ML, DUP OF #18
 GAIN 5 STR NO. 4
 COMPOUND NAME PEAK R.T. AREA/PPT

Client _____ Job No. _____ Sheet _____ of _____
 Subject _____ By _____ Date _____
 Ckd. _____ Rev. _____

MAIN
 1893

Client _____ Job No. _____ Sheet _____ of _____
Subject _____ By _____ Date _____
Ckd. _____ Rev. _____

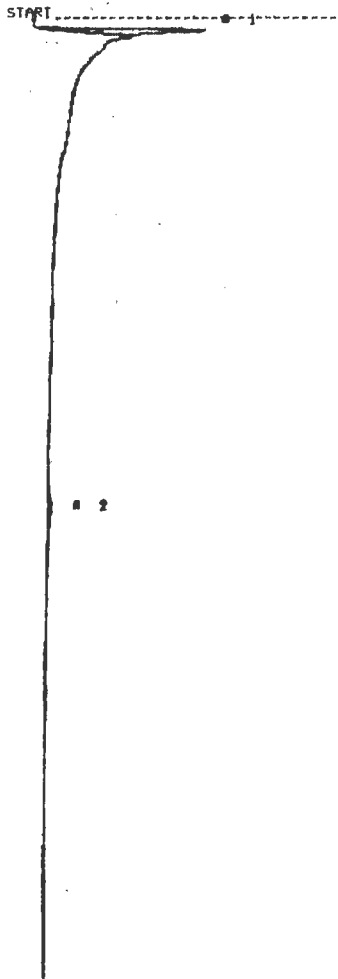
PHOTOVAC



STOP @ 1.40:2
SAMPLE LIBRARY 1 NOV 18 1991 18:27
ANALYSIS # 21 STR BLK
INTERNAL TEMP 28 J PL
GAIN 5 SVR NO. 4
DETECTED NOTE PEAK R.T. AREA/PFT
UNKNOWN 1 1.4 1.4 US

New DAY 11/19

PHOTOVAC

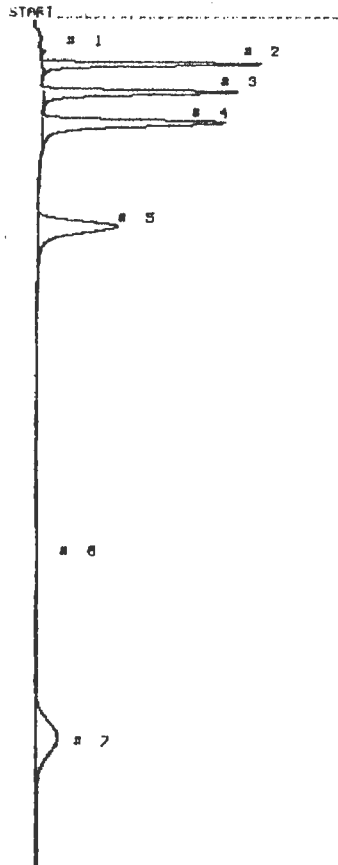


STOP # 1500.0
 SAMPLE LIBRARY 1 NOV 19 1991 10:58
 ANALYSIS # 5 50-15
 INTERNAL TEMP 24 1 ML
 GAIN 5 STR#4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	2.1	2.5 US
UNKNOWN	2	278.6	434.2 μS

2.935

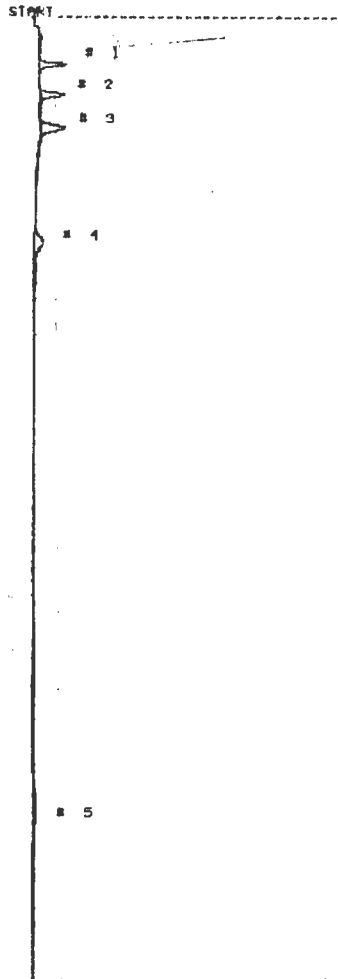
PHOTOVAC



STOP # 1332.2
 SAMPLE LIBRARY 1 NOV 19 1991 18:31
 ANALYSIS # 4 1 PPM GAS STD
 INTERNAL TEMP 25 1 ML
 GAIN 5 STR#2 DCE,BTKTGE

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	27.7	4.7 US
UNKNOWN	3	117.1	5.6 US
UNKNOWN	4	166.2	7.3 US
UNKNOWN	5	330.4	8.0 US
UNKNOWN	7	1145.7	4.3 US

PHOTOVAC



STOP # 1500.0
 SAMPLE LIBRARY 1 NOV 19 1991 18:3
 ANALYSIS # 3 0.1 PPM GAS STD
 INTERNAL TEMP 21 1 ML
 GAIN 5 STR #2

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	74.5	436.8 μS
UNKNOWN	2	125.2	635.8 μS
UNKNOWN	3	175.2	850.5 μS
UNKNOWN	4	356.5	487.3 μS
UNKNOWN	5	1298.9	338.3 μS

100 ppb

PHOTOVAC

□□□□-

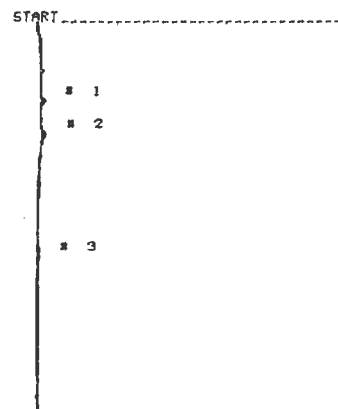
PHOTOVAC

START
 STOP # 25.0
 SAMPLE LIBRARY 1 NOV 18 1991 18:36
 ANALYSIS # 1
 INTERNAL TEMP 18
 GAIN 2

COMPOUND NAME PEAK R.T. AREA/PPM

NOV 19, 1991

PHOTOVAC



STOP # 610.0
 SAMPLE LIBRARY 1 NOV 19 1991 9:33
 ANALYSIS # 2 10 ML JAPPM BULB
 INTERNAL TEMP 21 BLK, PURGED PRIOR
 GAIN 5 TO STD PREP.

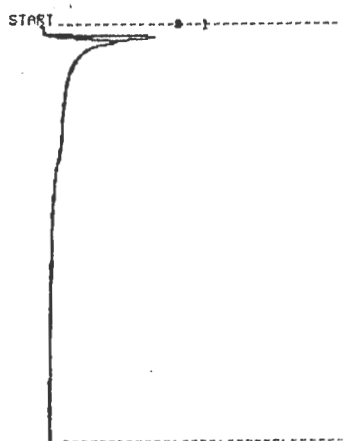
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	181.2	186.5 μS

Client _____
 Subject _____
 Job No. _____
 By _____
 Date _____
 Sheet _____ of _____
 Ctd. _____
 Rev. _____

MAIN 1893

Client _____ Job No. _____ Sheet _____ of _____
 Subject _____ By _____ Date _____
 Ckd. _____ Rev. _____

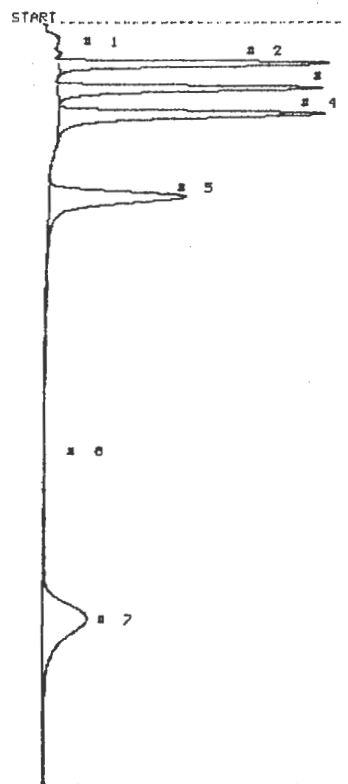
PHOTOVAC



STOP # 048.2
 SAMPLE LIBRARY 1 NOV 19 1991 11:58
 ANALYSIS # 3 STR#3
 INTERNAL TEMP 28 JTL
 GAIN 5 STR#3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	28.4	1.2 US

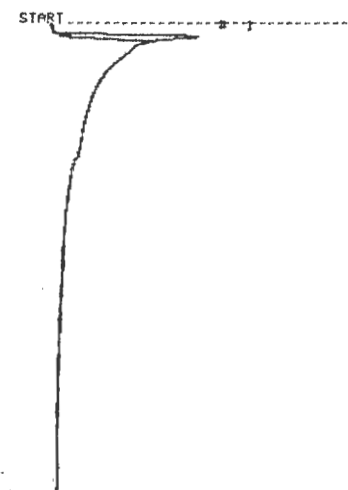
PHOTOVAC



STOP # 1189.0
 SAMPLE LIBRARY 1 NOV 19 1991 11:46
 ANALYSIS # 8 BAS STD DCE,TCE
 INTERNAL TEMP 26 BTX 2ML OF 1PPM
 GAIN 5 STR#3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	83.7	7.9 US
UNKNOWN	3	122.4	9.1 US
UNKNOWN	4	142.8	11.3 US
UNKNOWN	5	275.2	9.3 US
UNKNOWN	7	918.4	8.5 US

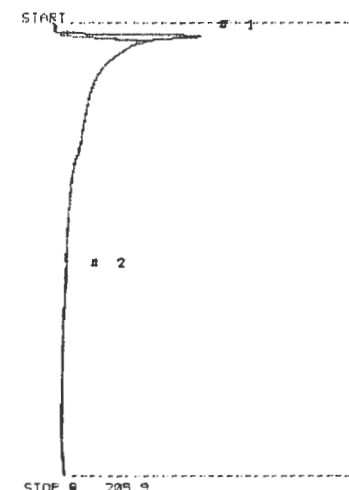
PHOTOVAC



STOP # 732.0
 SAMPLE LIBRARY 1 NOV 19 1991 11:25
 ANALYSIS # 7 SO-17
 INTERNAL TEMP 27 1 ML
 GAIN 5 STR#3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	21.0	2.0 US

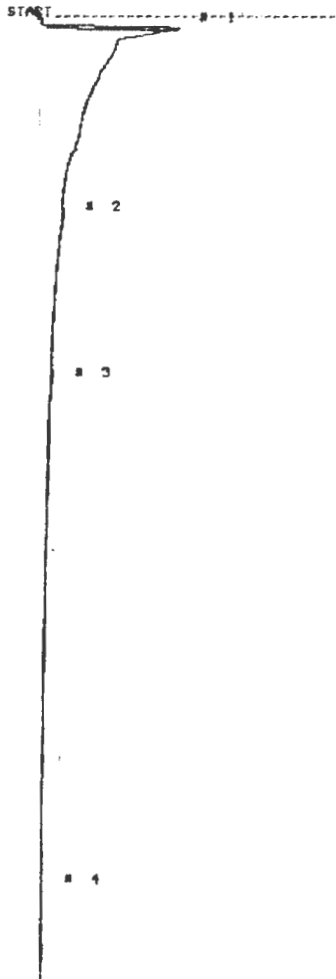
PHOTOVAC



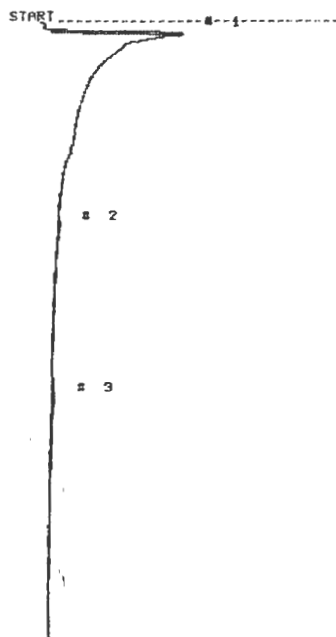
STOP # 705.9
 SAMPLE LIBRARY 1 NOV 19 1991 11:12
 ANALYSIS # 6 SO-16
 INTERNAL TEMP 26 1 ML
 GAIN 5 STR#3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	21.0	2.0 US

PHOTOVAC



PHOTOVAC



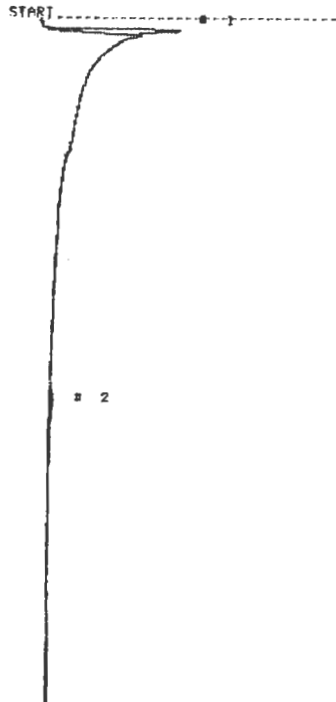
STOP # 329.4
 SAMPLE LIBRARY 1 NOV 19 1991 13:12
 ANALYSIS # 12 SG-20,LINE17,700
 INTERNAL TEMP 28 2 ML
 GAIN 5 STR#4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	19.6	574.5 μS
UNKNOWN	2	599.3	291.4 μS

$19.6 / 2 = 0.286$

$0.776 / 2 =$

PHOTOVAC

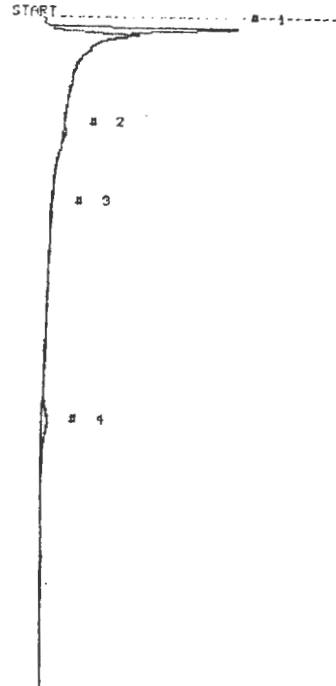


STOP # 1088.8
 SAMPLE LIBRARY 1 NOV 19 1991 12:54
 ANALYSIS # 11 SG-18,LINE17,010
 INTERNAL TEMP 28 1 ML
 GAIN 5 STR#3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	1.1	1.6 μS
UNKNOWN	2	603.5	252.6 μS

1.853

PHOTOVAC



STOP # 1200.1
 SAMPLE LIBRARY 1 NOV 19 1991 12:16
 ANALYSIS # 10 SG-18
 INTERNAL TEMP 27 1ML
 GAIN 5 STR#4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	10.6	2.5 μS
UNKNOWN	1	645.1	621.3 μS

3.124

STOP # 1500.0
 SAMPLE LIBRARY 1 NOV 19 1991 13:38
 ANALYSIS # 13 SG-21,LINE17,750
 INTERNAL TEMP 28 2 ML
 GAIN 5 STR #4

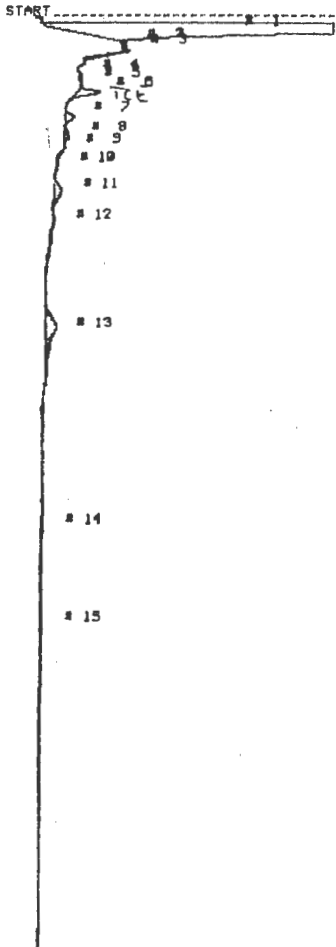
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.0	628.8 μS

$18.0 / 55 = 0.315$

MAIN
1893

Client _____ Job No. _____ Sheet _____ of _____
 Subject _____ By _____ Date _____
 Ckd. _____ Rev. _____

PHOTOVAC



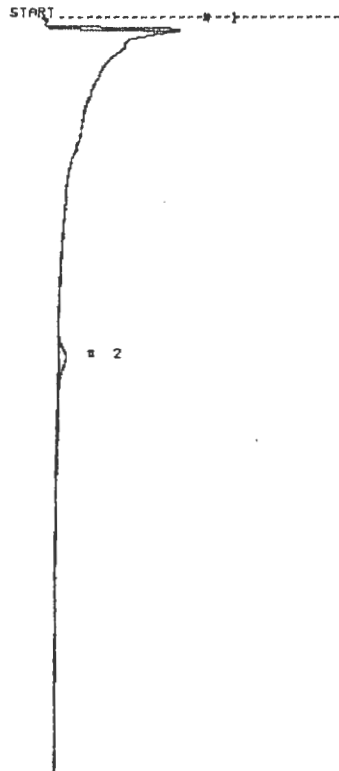
STOP # 1452.0
 SAMPLE LIBRARY 1 NOV 19 1991 15:9
 ANALYSIS # 17 50-25, LINE 171289
 INTERNAL TEMP 29 2 ML
 GAIN 0 STR # 3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	15.4	78.9 US /2 =
UNKNOWN	3	55.5	222.5 μS
UNKNOWN	6	120.4	620.4 μS
UNKNOWN	7	153.7	262.6 μS
UNKNOWN	8	183.2	136.5 μS
UNKNOWN	11	278.0	551.1 μS
UNKNOWN	13	434.0	1.3 US
UNKNOWN	15	353.2	184.3 μS

$\text{TRE}/2 = 0.310$

$82.1/2 = 41.06$

PHOTOVAC

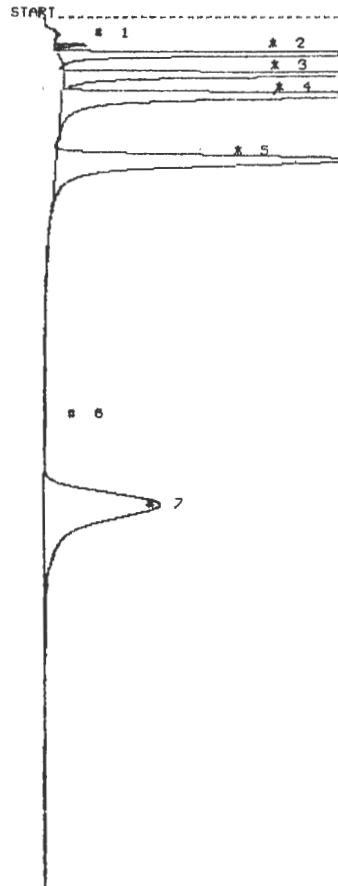


STOP # 1179.0
 SAMPLE LIBRARY 1 NOV 19 1991 14:44
 ANALYSIS # 16 50-22, LINE 171188
 INTERNAL TEMP 29 2 ML
 GAIN 5 STR # 4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	15.0	697.1 μS /2 = 303
UNKNOWN	2	538.7	247.9 μS

$1.55/2 = 1.778$

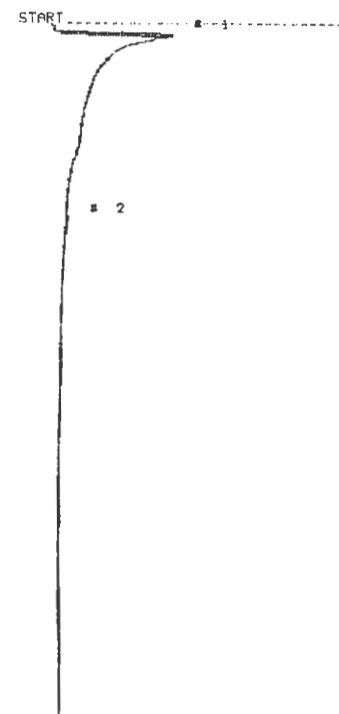
PHOTOVAC



STOP # 1357.0
 SAMPLE LIBRARY 1 NOV 19 1991 14:23
 ANALYSIS # 15 GAS STD 5 PPM
 INTERNAL TEMP 29 0.5 ML OF 10PPM
 GAIN 5 STR # 1

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	44.9	351.3 μS
UNKNOWN	2	57.5	13.0 US
UNKNOWN	3	89.5	22.0 US
UNKNOWN	4	122.4	33.5 US
UNKNOWN	5	229.9	22.0 US
UNKNOWN	7	220.6	20.1 US

PHOTOVAC



STOP # 1080.2
 SAMPLE LIBRARY 1 NOV 19 1991 14:0
 ANALYSIS # 14 SYR BLK
 INTERNAL TEMP 29 2 ML
 GAIN 5 STR # 4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	15.1	426.1 μS

MAIN
1893

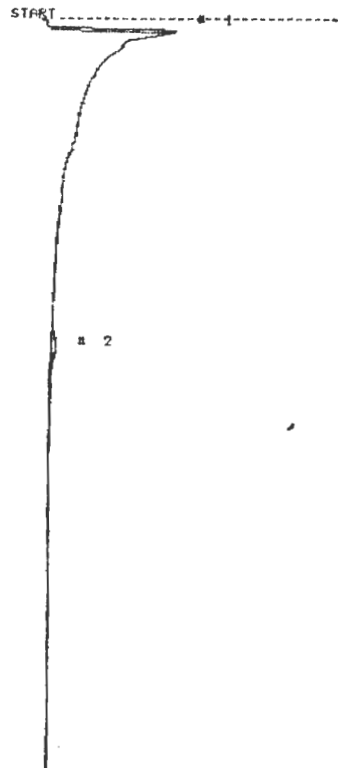
Client _____
 Subject _____
 Job No. _____
 Sheet _____ of _____
 Date _____
 Rev. _____

Client _____ Job No. _____ Sheet _____ of _____

Subject _____ By _____ Date _____

Rev. _____ Ctd. _____

PHOTOVAC

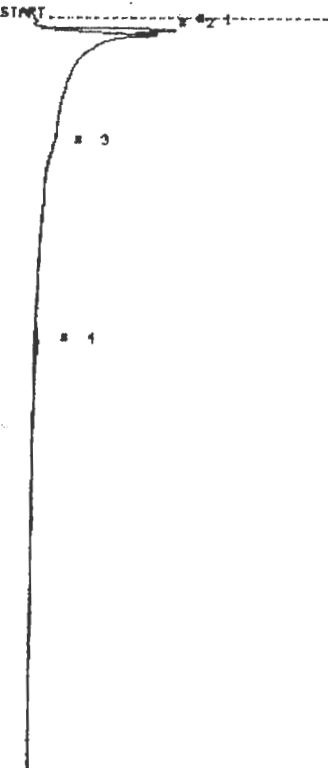


STOP # 1122.1
SAMPLE LIBRARY 1 NOV 19 1991 15:30
ANALYSIS # 18 SG-24, LINE171490
INTERNAL TEMP 28 2 ML
GAIN 5 STR #4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	19.1	583.4 mUS $12 = 0.291$
UNKNOWN	2	521.5	454.3 mUS

$1.04/2 = 0.519$

PHOTOVAC

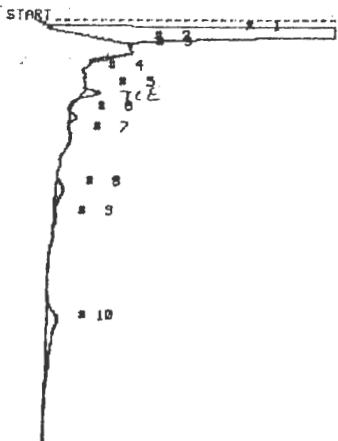


STOP # 1207.3
SAMPLE LIBRARY 1 NOV 19 1991 15:51
ANALYSIS # 19 SG-25, LINE181430
INTERNAL TEMP 30 1 ML
GAIN 5 STR # 2

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	19.7	1.5 mUS $12 = .75$
UNKNOWN	4	310.1	229.4 mUS

$1.73/2 = 0.86$

PHOTOVAC

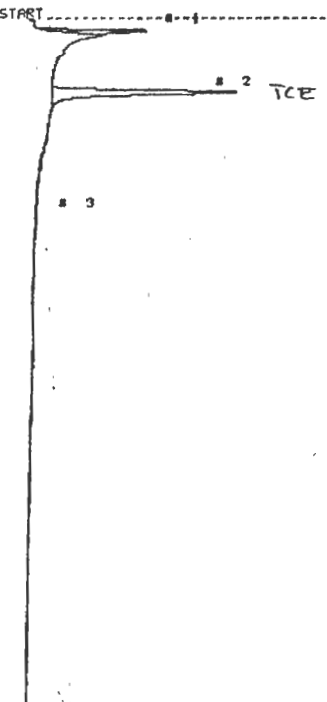


STOP # 070.0
SAMPLE LIBRARY 1 NOV 19 1991 16:13
ANALYSIS # 20 SG-23A DUP OF 23
INTERNAL TEMP 31 2 ML
GAIN 5 STR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.2	92.9 mUS $12 = 41.95$
UNKNOWN	3	32.5	112.8 mUS
UNKNOWN	5	115.3	496.2 mUS $12 = 0.248$
UNKNOWN	6	154.8	231.3 mUS
UNKNOWN	8	270.7	551.2 mUS
UNKNOWN	9	314.7	192.2 mUS
UNKNOWN	10	477.2	2.1 mUS

$86.49/2 = 43.25$

PHOTOVAC



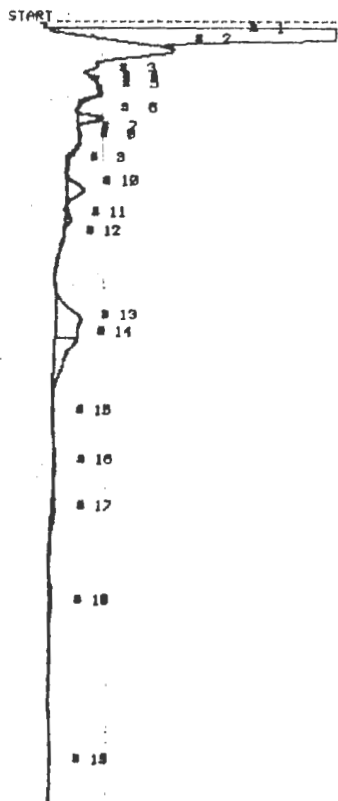
STOP # 1078.1
SAMPLE LIBRARY 1 NOV 18 1991 16:22
ANALYSIS # 21 SG-20, LN18, 1965
INTERNAL TEMP 30 1 ML
GAIN 5 STR #4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	15.8	1.2 mUS
UNKNOWN	2	117.1	5.1 mUS

TCE

Client _____ Job No. _____ Sheet _____ of _____
 Subject _____ By _____ Date _____
 Ckd. _____ Rev. _____

PHOTOVAC

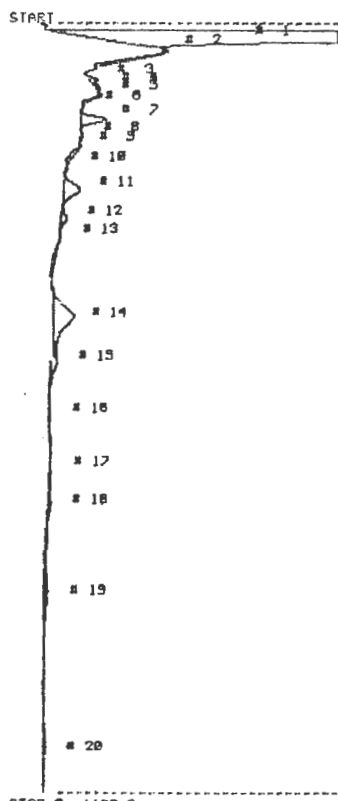


STOP # 1222.4
 SAMPLE LIBRARY 1 NOV 19 1991 17:38
 ANALYSIS # 28 50-29, LN 17
 INTERNAL TEMP 30 2 ML, 251T N OF
 GAIN 5 1285 STR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	20.6	113.9 US
UNKNOWN	3	91.3	117.1 mUS
UNKNOWN	5	115.6	138.1 mUS
UNKNOWN	6	154.4	927.5 mUS
UNKNOWN	10	287.5	1.2 US
UNKNOWN	11	311.7	295.6 mUS
UNKNOWN	13	170.0	3.4 US
UNKNOWN	14	509.1	2.8 US
UNKNOWN	16	700.7	234.9 mUS
UNKNOWN	17	772.0	188.3 mUS
UNKNOWN	19	513.0	459.0 mUS

123.19 / 2 = 61.95

PHOTOVAC

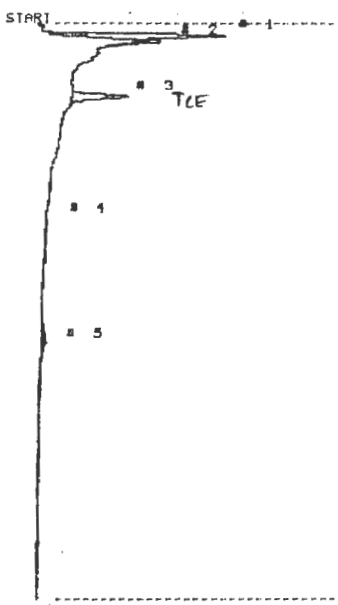


STOP # 1197.3
 SAMPLE LIBRARY 1 NOV 19 1991 17:13
 ANALYSIS # 24 50-26, LN 17
 INTERNAL TEMP 30 2 ML, 251T N OF
 GAIN 5 1285 STR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	20.1	109.0 US
UNKNOWN	2	44.7	286.9 mUS
UNKNOWN	3	89.8	115.3 mUS
UNKNOWN	5	113.5	140.5 mUS
UNKNOWN	7	151.0	858.1 mUS
UNKNOWN	11	261.2	1.0 US
UNKNOWN	12	307.5	229.2 mUS
UNKNOWN	13	165.2	3.2 US
UNKNOWN	15	534.1	410.6 mUS
UNKNOWN	17	608.9	182.1 mUS
UNKNOWN	18	758.0	122.9 mUS
UNKNOWN	19	901.1	493.9 mUS

110 / 2 = 55

PHOTOVAC

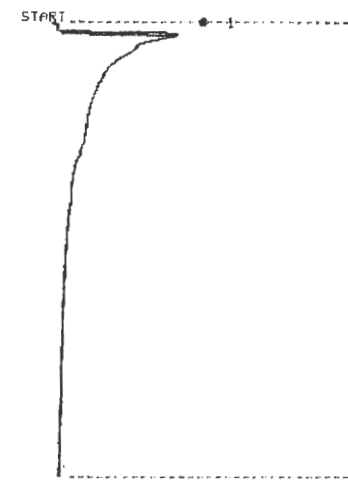


STOP # 930.0
 SAMPLE LIBRARY 1 NOV 19 1991 16:52
 ANALYSIS # 23 50-27, LN 17, 1320
 INTERNAL TEMP 31 1 ML
 GAIN 5 STR #2

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	19.0	2.2 US
UNKNOWN	2	28.5	997.5 mUS
UNKNOWN	3	115.6	1.4 US
UNKNOWN	5	302.5	379.1 mUS

4.37

PHOTOVAC



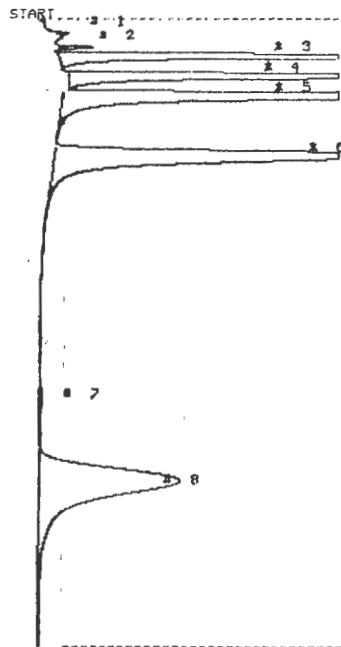
STOP # 709.6
 SAMPLE LIBRARY 1 NOV 19 1991 16:35
 ANALYSIS # 22 50-27, LN 17, 1320
 INTERNAL TEMP 32 2 ML, BLK AFTER 23
 GAIN 5 STR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	19.2	927.5 mUS

1/2 = 0.279

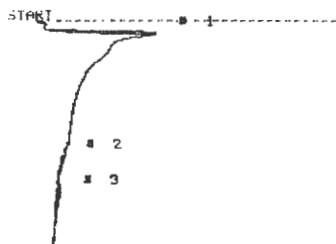
-TCE

PHOTOVAC



STOP # 355.3
 SAMPLE LIBRARY 1 NOV 19 1991 18:43
 ANALYSIS # 28 STR BLK STR43
 INTERNAL TEMP 34 2 ML, BLK AFT30
 GAIN 5 STR#3

PHOTOVAC



STOP # 355.3
 SAMPLE LIBRARY 1 NOV 19 1991 18:43
 ANALYSIS # 28 STR BLK STR43

INTERNAL TEMP 34 2 ML, BLK AFT30

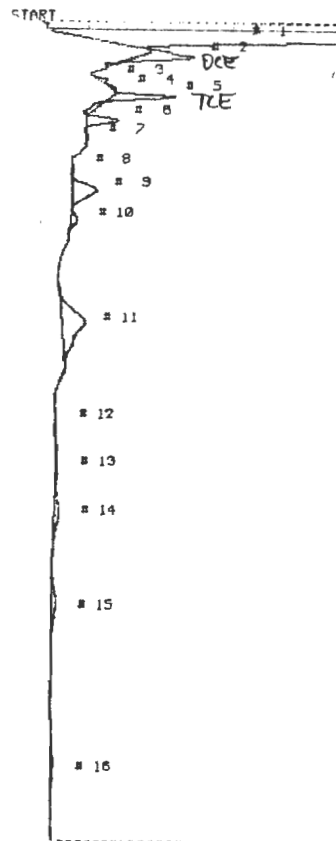
GAIN 5 STR#3

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 1 19.6 539.0 μS $1/2 = 0.78$
 UNKNOWN 2 282.4 282.7 μS

$0.76/2 = 0.38$

PHOTOVAC



STOP # 1222.2
 SAMPLE LIBRARY 1 NOV 19 1991 18:33
 ANALYSIS # 27 SO-30, LN 17
 INTERNAL TEMP 29 2ML, 25 SOUTH OF
 GAIN 5 1285, STR #3

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 1 20.6 113.7 μS $1/2 = 56.6$
 UNKNOWN 2 54.7 2.3 μS $1/2 = 1.15$
 UNKNOWN 3 91.3 135.3 μS
 UNKNOWN 5 115.8 1.0 μS $1/2 = 0.80$
 UNKNOWN 6 154.4 227.5 μS
 UNKNOWN 8 257.5 1.2 μS
 UNKNOWN 10 315.5 351.5 μS
 UNKNOWN 11 427.2 3.6 μS
 UNKNOWN 13 704.3 227.3 μS
 UNKNOWN 14 780.6 458.2 μS
 UNKNOWN 15 926.8 683.2 μS
 UNKNOWN 16 1181.4 530.2 μS

$126.0/2 = 63$

PHOTOVAC

SAMPLE LIBRARY 1 NOV 19 1991 17:51
 ANALYSIS # 25 SO-30, LN 17

INTERNAL TEMP 29 2 ML, 25FT N OF

GAIN 5 1285

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 1 23.5 113.3 μS
 UNKNOWN 3 91.3 112.1 μS
 UNKNOWN 5 115.8 138.1 μS
 UNKNOWN 6 154.4 227.5 μS
 UNKNOWN 8 257.5 1.2 μS
 UNKNOWN 10 314.7 285.6 μS
 UNKNOWN 12 428.0 3.4 μS
 UNKNOWN 14 583.1 2.8 μS
 UNKNOWN 16 700.2 234.3 μS
 UNKNOWN 17 775.6 188.3 μS
 UNKNOWN 18 113.8 138.8 μS

PHOTOVAC

STOP # 1222.2
 SAMPLE LIBRARY 1 NOV 19 1991 17:54
 ANALYSIS # 26 SO-30, LN 17

INTERNAL TEMP 29 2 ML, 25FT N OF

GAIN 5 1285

COMPOUND NAME PEAK R.T. AREA/PPM

Client _____
 Subject _____

MAIN
 1893

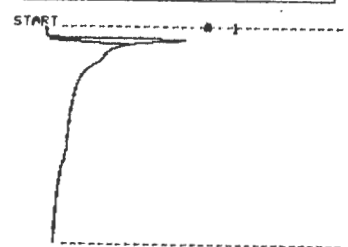
Sheet _____ of _____
 Date _____
 Rev. _____

*Septum was badly worn
 leakage may have
 occurred*

Client _____ Job No. _____ Sheet _____ of _____
Subject _____ By _____ Date _____
Ctd. _____ Rev. _____

NOV. 20, 1991

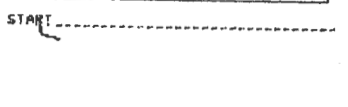
PHOTOVAC



STOP # 333.2
SAMPLE LIBRARY 1 NOV 20 1991 0:31
ANALYSIS # 3 SYR BLK
INTERNAL TEMP 27 1 ML
GAIN 5 SYR #4

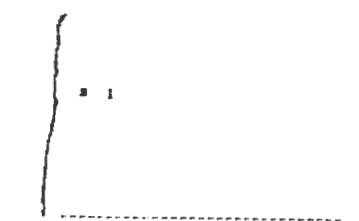
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	333.2	1.7 US

PHOTOVAC



SAMPLE LIBRARY 1 NOV 20 1991 0:32
ANALYSIS # 3 SYR BLK
INTERNAL TEMP 26 1 ML
GAIN 5 SYR #4

COMPOUND NAME	PEAK	R.T.	AREA/PPM



STOP # 336.8
SAMPLE LIBRARY 1 NOV 20 1991 0:37
ANALYSIS # 4 1 PPM BULB BLK
INTERNAL TEMP 29 1 ML OF 5 ML SYR
GAIN 5 SYR #5

COMPOUND NAME	PEAK	R.T.	AREA/PPM

VC

EXAMPLE OF
the presence of
VC in the
ambient air
No VC (Ultra pure air)

PHOTOVAC



PHOTOVAC

START _____
STOP # 0.0
SAMPLE LIBRARY 1 NOV 18 1991 19:08
ANALYSIS # 1 GAS STD
INTERNAL TEMP 19 1ML OF 10 PPM
GAIN 2 SYR#3

COMPOUND NAME	PEAK	R.T.	AREA/PPM

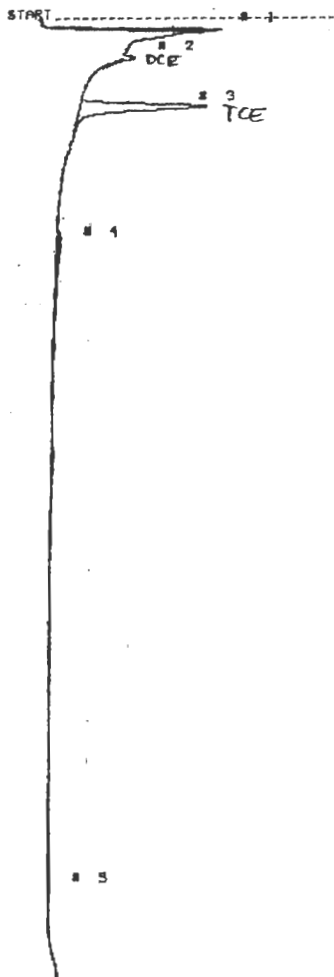
PHOTOVAC



STOP # 295.7
SAMPLE LIBRARY 1 NOV 20 1991 0:24
ANALYSIS # 2 10 PPM BULB BLK
INTERNAL TEMP 24 1 ML OF BULB AIR
GAIN 5 10 ML SYR

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PHOTOVAC

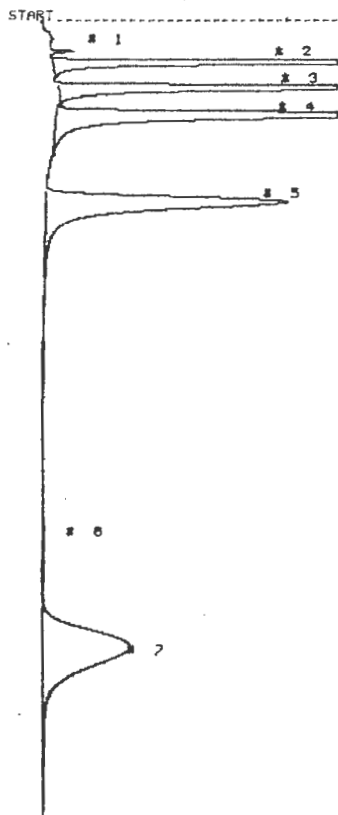


STOP # 1500.0
 SAMPLE LIBRARY 1 NOV 20 1991 10:7
 ANALYSIS # 0 SO-32,20 FT 5TH
 INTERNAL TEMP 25 OF LM 17, 1920FT
 GAIN 0 2 ML OF STR #4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.5	844.7 μS
UNKNOWN	2	83.1	375.4 μS
UNKNOWN	3	142.0	1.6 μS
UNKNOWN	4	350.2	503.7 μS

$2 = 0.922$
 $2 = 0.198$
 $2 = 2.3$
 $6.33 (2 = 3.17)$

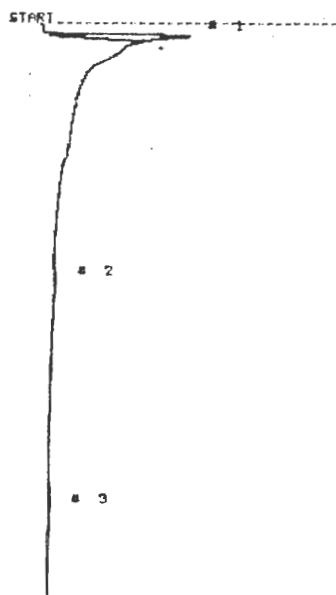
PHOTOVAC



STOP # 1242.8
 SAMPLE LIBRARY 1 NOV 20 1991 9:41
 ANALYSIS # 7 GAS STD 5 PPM
 INTERNAL TEMP 20 9.5 ML OF 10 PPM
 GAIN 0 STR #1

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	42.7	255.1 μS
UNKNOWN	2	83.3	15.8 μS
UNKNOWN	3	124.3	21.4 μS
UNKNOWN	4	140.1	34.4 μS
UNKNOWN	5	286.7	13.3 μS
UNKNOWN	7	353.5	18.4 μS

PHOTOVAC

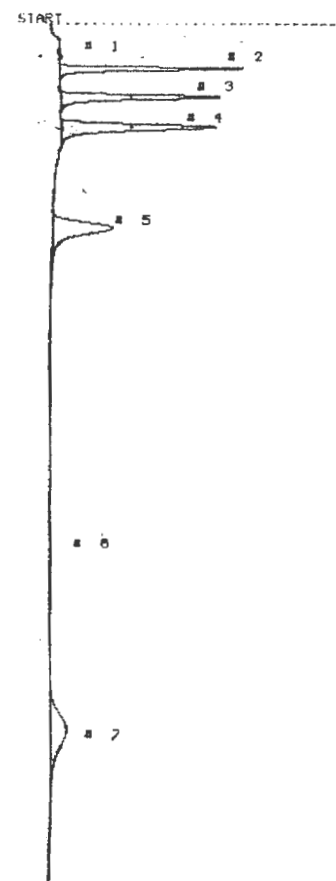


STOP # 897.4
 SAMPLE LIBRARY 1 NOV 20 1991 9:19
 ANALYSIS # 0 SO-31, PROBE BLK
 INTERNAL TEMP 25 1 ML
 GAIN 5 STR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	21.4	1.3 μS
UNKNOWN	3	258.6	221.6 μS

2.12

PHOTOVAC



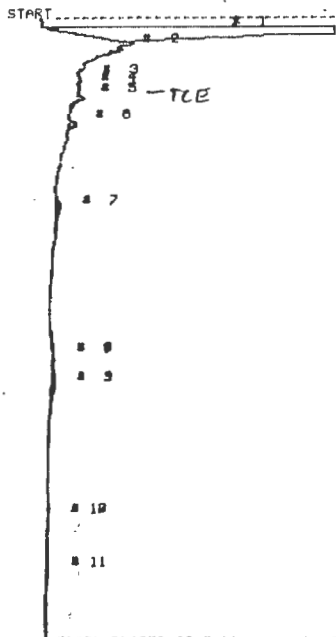
STOP # 1343.6
 SAMPLE LIBRARY 1 NOV 20 1991 9:13
 ANALYSIS # 5 1 PPM GAS STD
 INTERNAL TEMP 24 1 ML
 GAIN 5 STR #5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	70.7	3.5 μS
UNKNOWN	3	114.7	4.2 μS
UNKNOWN	4	162.7	3.8 μS
UNKNOWN	5	325.0	4.4 μS
UNKNOWN	7	1120.3	3.3 μS

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PHOTOVAC



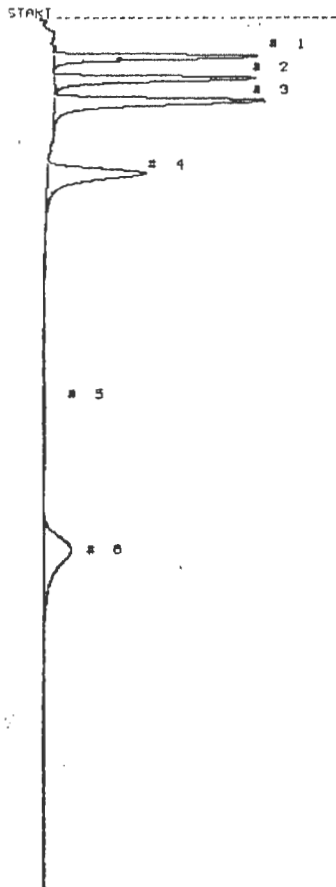
STOP # 363.0
 SAMPLE LIBRARY 1 NOV 20 1991 11:33
 ANALYSIS # 12 SO-34, 02FT S OF
 INTERNAL TEMP 28 LN17, 1285
 GAIN 5 STR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	19.3	46.7 US
UNKNOWN	5	128.4	147.9 μUS
UNKNOWN	6	169.7	196.2 μUS
UNKNOWN	7	200.5	329.6 μUS
UNKNOWN	8	531.3	121.0 μUS
UNKNOWN	9	577.3	177.2 μUS

$1 = 33.35$
 $2 = 0.019$

$46.67/2 = 23.53$

PHOTOVAC



STOP # 1056.0
 SAMPLE LIBRARY 1 NOV 20 1991 11:15
 ANALYSIS # 11 GAS STD 2 PPM
 INTERNAL TEMP 28 2 mL OF 1 PPM
 GAIN 5 STR #5

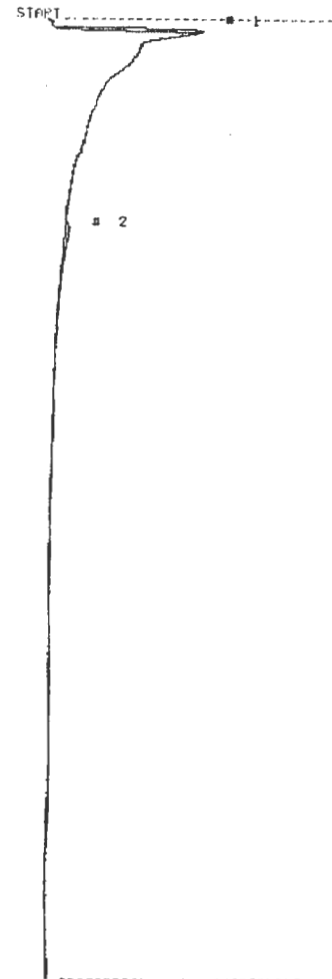
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	58.9	5.2 US
UNKNOWN	2	94.3	6.6 US
UNKNOWN	3	130.1	6.6 US
UNKNOWN	4	245.8	6.6 US
UNKNOWN	5	603.1	107.7 μUS
UNKNOWN	6	845.1	5.1 US

PHOTOVAC

START
 STOP # 5.3
 SAMPLE LIBRARY 1 NOV 20 1991 10:36
 ANALYSIS # 18 SO-33, LN16, 1285
 INTERNAL TEMP 28 2 mL
 GAIN 5 STR #3

CONT. OUNDR NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP # 1502.0
 SAMPLE LIBRARY 1 NOV 20 1991 10:33
 ANALYSIS # 9 SO-33, LN16, 1285
 INTERNAL TEMP 27 2 mL
 GAIN 5 STR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.7	282.4 μUS
UNKNOWN	2	333.1	518.6 μUS

$1306/2 = 0.653$

Client

Job No.

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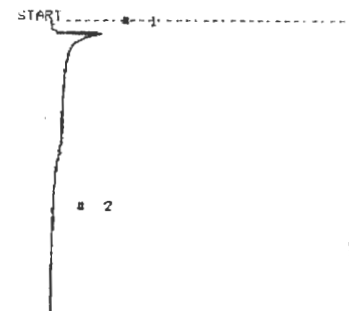
of

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0,394

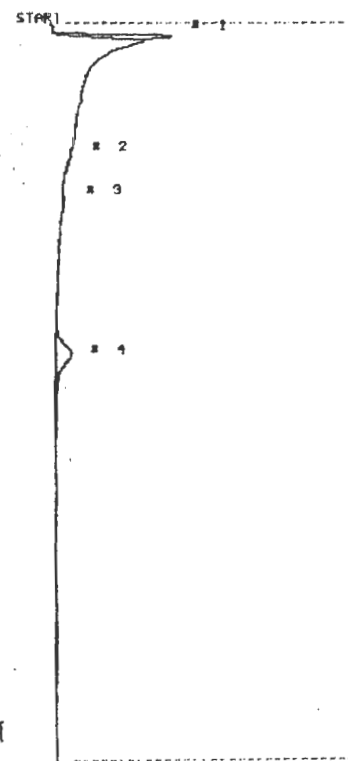
0.653

PHOTOVAC



STOP # 162.1
 SAMPLE LIBRARY 1 NOV 20 1991 12:14B
 ANALYSIS # 16 STR BLK
 INTERNAL TEMP 33 1 ML OF ULTRA AR
 GAIN 5 STR #4
 COMPOUND NAME PEAK R.T. AREA/PPM
 UNKNOWN 162.1 123.8 MUS

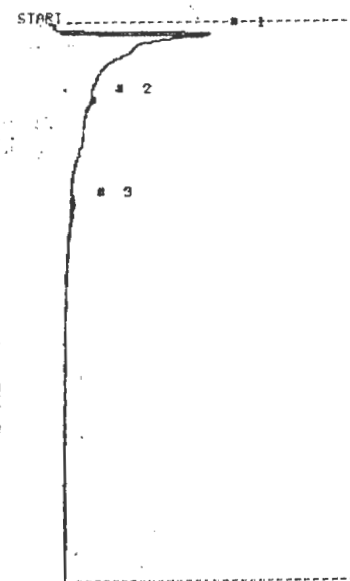
PHOTOVAC



STOP # 1146.8
 SAMPLE LIBRARY 1 NOV 20 1991 12:13J
 ANALYSIS # 15 60-36, LMS, 1245
 INTERNAL TEMP 30 2 ML
 GAIN 5 STR #5
 COMPOUND NAME PEAK R.T. AREA/PPM
 UNKNOWN 1 21.1 1.2 US
 UNKNOWN 1 527.9 1.8 US

$1.2 / 0.8 = 1.5$
 $1.8 / 1.2 = 1.5$

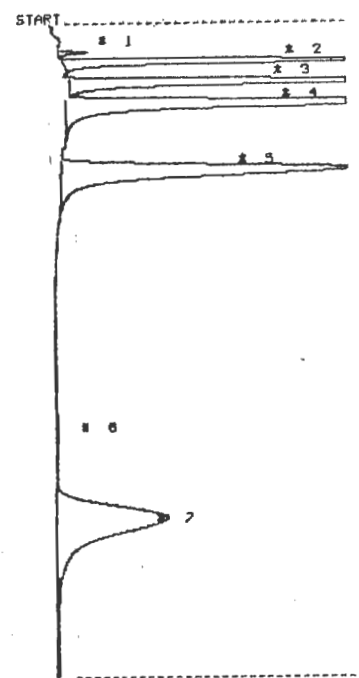
PHOTOVAC



STOP # 884.6
 SAMPLE LIBRARY 1 NOV 20 1991 12:1 B
 ANALYSIS # 14 60-35, LN 13, 134B
 INTERNAL TEMP 30 2 ML
 GAIN 5 STR #3
 COMPOUND NAME PEAK R.T. AREA/PPM
 UNKNOWN 1 13.2 498.9 MUS
 UNKNOWN 2 122.4 187.1 MUS
 UNKNOWN 3 288.3 131.7 MUS

$12 = 0.249$
 $12 = 0.051$
 $0.733 / 2 = 0.366$

PHOTOVAC



STOP # 1014.6
 SAMPLE LIBRARY 1 NOV 20 1991 11:52 Z
 ANALYSIS # 13 GAS STD 10 PPM
 INTERNAL TEMP 30 1 ML OF 10 PPM
 GAIN 5 STR # 5
 COMPOUND NAME PEAK R.T. AREA/PPM
 UNKNOWN 1 46.1 342.7 MUS
 UNKNOWN 2 58.9 18.5 US
 UNKNOWN 3 91.4 23.7 US
 UNKNOWN 4 125.1 35.2 US
 UNKNOWN 5 229.5 20.3 US
 UNKNOWN 7 488.6 13.3 US

PHOTOVAC

START

2
3
4

STOP # 1000.0
SAMPLE LIBRARY 1 NOV 20 1991 14120
ANALYSIS # 21 50-30, LN3, 150 FT
INTERNAL TEMP 32 2 ML
GAIN 5 STR #4

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 1 19.4 452.6 μS /2=226
UNKNOWN 2 239.5 107.5 μS
UNKNOWN 4 455.6 379.0 μS

0.933/2 = .467

PHOTOVAC

START

2
3
4

5

STOP # 1500.0
SAMPLE LIBRARY 1 NOV 20 1991 13153
ANALYSIS # 20 50-30, LN 19,770
INTERNAL TEMP 32 2 ML
GAIN 5 STR #4

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 1 22.3 1.2 μS /2=0.6
UNKNOWN 4 401.6 121.0 μS
UNKNOWN 5 1000.3 141.7 μS

1.463/2 = .732

PHOTOVAC

START

2
3
4
5

6

STOP # 1500.0
SAMPLE LIBRARY 1 NOV 20 1991 13124
ANALYSIS # 19 50-37, LN 18,443
INTERNAL TEMP 31 2 ML
GAIN 5 STR #4

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 1 19.4 428.1 μS /2=0.214
UNKNOWN 5 429.7 413.6 μS

0.8417/2 = .421

PHOTOVAC

START

2
3
4

STOP # 536.9
SAMPLE LIBRARY 1 NOV 20 1991 12150
ANALYSIS # 17 STR BLK
INTERNAL TEMP 34 1 ML OF AMBIENT
GAIN 5 AIR STR #5

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 1 20.3 942.4 μS

PHOTOVAC

START

2

STOP # 300.4
SAMPLE LIBRARY 1 NOV 20 1991 12158
ANALYSIS # 18 STR BLK
INTERNAL TEMP 32 2 ML OF AMBIENT
GAIN 5 AIR STR #3

COMPOUND NAME PEAK R.T. AREA/PPM

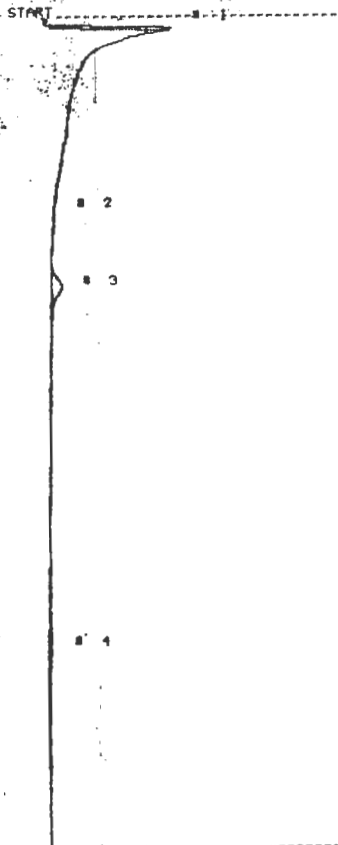
UNKNOWN 1 19.7 191.9 μS /2=0.291
UNKNOWN 2 237.5 191.9 μS

0.773

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STOP # 1291.4
 SAMPLE LIBRARY 1 NOV 20 1991 15139
 ANALYSIS # 25 50-42, LN 3,225
 INTERNAL TEMP 33 2 ML
 GAIN 5 SYR #3

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.5	458.8 μS
UNKNOWN	3	420.7	1.1 US

$1.95 = .779$

PHOTOVAC

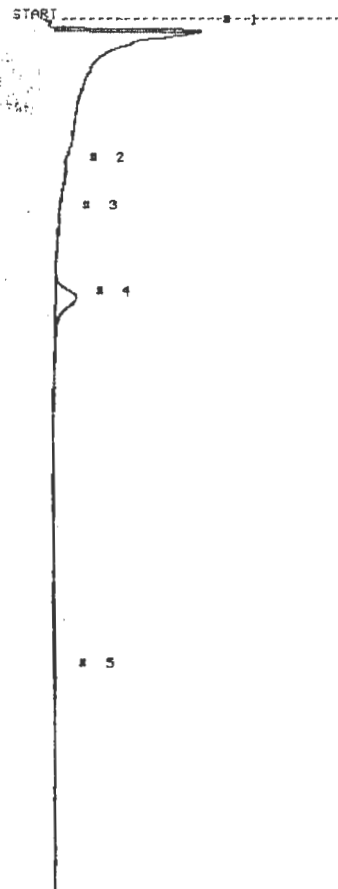
BAD INJ.

START

STOP # 230.3
 SAMPLE LIBRARY 1 NOV 20 1991 15117
 ANALYSIS # 24 50-42, LN 3,225
 INTERNAL TEMP 38 2 ML
 GAIN 5 SYR #3

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



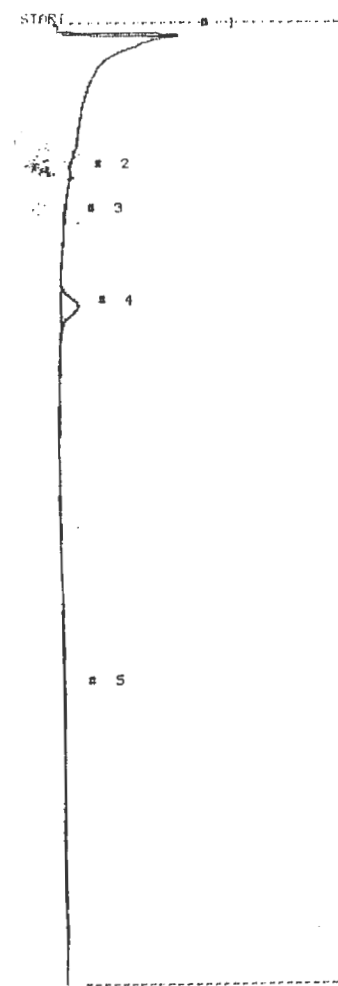
STOP # 1357.2
 SAMPLE LIBRARY 1 NOV 20 1991 15112
 ANALYSIS # 23 50-41, LN 4,200FT
 INTERNAL TEMP 33 2 ML
 GAIN 5 SYR #4

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN	PEAK	R.T.	AREA/PPM
UNKNOWN	1	19.2	572.8 μS
UNKNOWN	4	440.8	2.3 US
UNKNOWN	5	1021.4	141.6 μS

$3.02/2 = 1.51$

PHOTOVAC



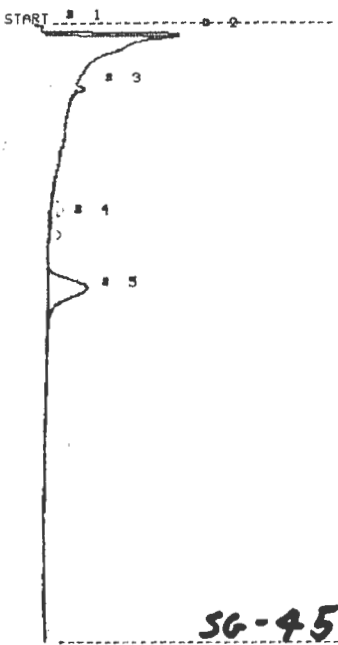
STOP # 1520.8
 SAMPLE LIBRARY 1 NOV 20 1991 14146
 ANALYSIS # 22 50-40, LN 3,275KT
 INTERNAL TEMP 32 2 ML
 GAIN 5 SYR #5

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN	PEAK	R.T.	AREA/PPM
UNKNOWN	1	19.1	509.2 μS
UNKNOWN	4	443.6	1.3 US
UNKNOWN	5	1045.1	200.9 μS

$2.5/2 = 1.25$

PHOTOVAC



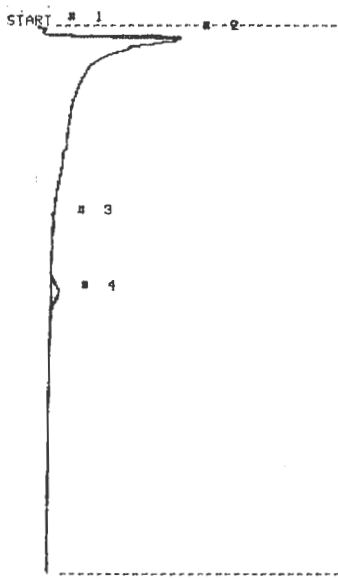
SG-45

STOP # 961.3
 SAMPLE LIBRARY 1 NOV 20 1991 17:9
 ANALYSIS # 29 SO-1, LN10, 770FT
 INTERNAL TEMP 34 2 ML
 GAIN 5 SYR #4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	19.1	624.3 μ S
UNKNOWN	3	193.8	227.4 μ S
UNKNOWN	5	422.1	4.9 US

$5.25/2 = 2.63$
 $1.34/2 = .670$

PHOTOVAC

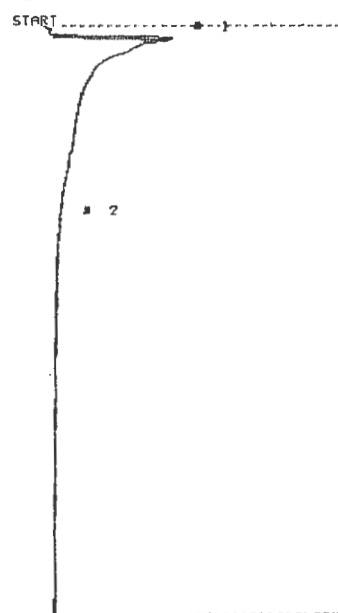


STOP # 849.8
 SAMPLE LIBRARY 1 NOV 20 1991 16:52
 ANALYSIS # 28 SO-44, LN10, 770FT
 INTERNAL TEMP 34 2 ML
 GAIN 5 SYR #4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	19.5	514.2 μ S
UNKNOWN	4	421.2	234.8 μ S

$1.34/2 = .670$
 $2.27/2 = .212$

PHOTOVAC

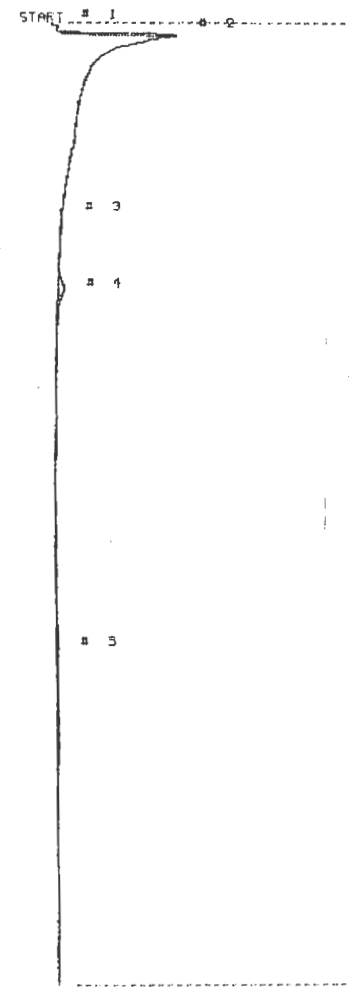


STOP # 914.1
 SAMPLE LIBRARY 1 NOV 20 1991 16:24
 ANALYSIS # 27 STR BLK
 INTERNAL TEMP 34 2 ML
 GAIN 5 SYR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	19.1	481.3 μ S

$1.2/2 = .241$

PHOTOVAC



STOP # 1500.0
 SAMPLE LIBRARY 1 NOV 20 1991 16:7
 ANALYSIS # 26 SO-43, LMS, 75FT
 INTERNAL TEMP 33 2 ML
 GAIN 5 SYR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	19.3	421.5 μ S
UNKNOWN	4	422.3	511.7 μ S
UNKNOWN	5	595.5	120.0 μ S

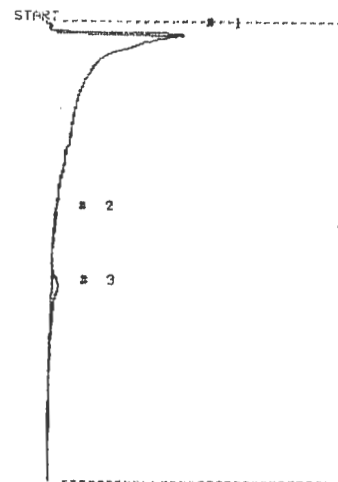
$20.2/2 = 10.1$
 $1.09/2 = 0.545$

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Ckd. _____ Rev. _____

PHOTOVAC

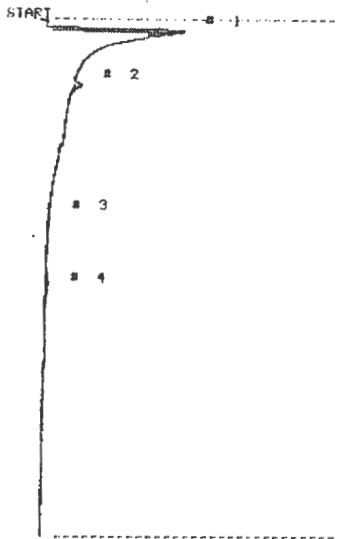


STOP # 718.4
 SAMPLE LIBRARY 1 NDU 20 1991 17:22
 ANALYSIS # 30 50-46, LN10, 990FT
 INTERNAL TEMP 35 2 ML
 GAIN 5 SYR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	17.1	512.8 μ S / 2 = .26
UNKNOWN	3	420.1	361.2 μ S

1.479 / 2 = .739

PHOTOVAC

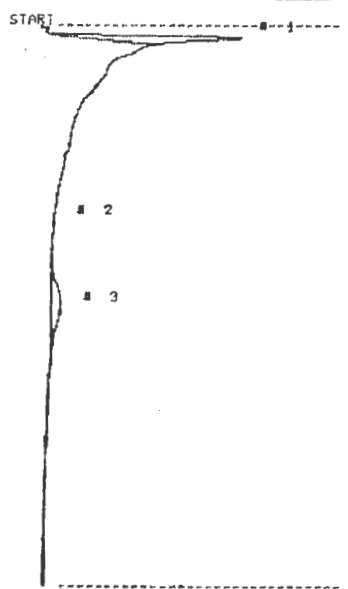


STOP # 902.9
 SAMPLE LIBRARY 1 NDU 20 1991 17:30
 ANALYSIS # 31 50-47, LN12, 990FT
 INTERNAL TEMP 34 2 ML
 GAIN 5 SYR #4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	13.1	518.8 μ S / 2 = .29
UNKNOWN	2	103.3	132.2 μ S
UNKNOWN	4	413.0	216.2 μ S

0.922 / 2 = .464

PHOTOVAC



STOP # 870.3
 SAMPLE LIBRARY 1 NDU 20 1991 17:52
 ANALYSIS # 32 50-48, LN12, 990FT
 INTERNAL TEMP 34 2 ML
 GAIN 5 SYR #5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	17.4	3.5 μ S / 2 = 1.75
UNKNOWN	3	418.0	1.8 μ S

5.3 / 2 = 2.65

PHOTOVAC

START

STOP # 225.4
SAMPLE LIBRARY 1 NOV 21 1991 9:50
ANALYSIS # 4 SYR BLK
INTERNAL TEMP 28 11L
GAIN 5 SYR# 5

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START

STOP # 172.6
SAMPLE LIBRARY 1 NOV 21 1991 9:54
ANALYSIS # 5 SYR BLK
INTERNAL TEMP 29 11L
GAIN 5 SYR# 5

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START

1

STOP # 919.2
SAMPLE LIBRARY 1 NOV 21 1991 9:22
ANALYSIS # 3 10 ML SYR AND
INTERNAL TEMP 23 10PPM BULB BLK
GAIN 5 1 FL, REFURGE

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 1 89.3 247.0 μ S

PHOTOVAC

START

1

2

3

4

STOP # 682.9
SAMPLE LIBRARY 1 NOV 21 1991 9:7
ANALYSIS # 2 10 ML SYR AND
INTERNAL TEMP 22 10PPM BULB BLK
GAIN 5 11L

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 1 76.1 113.0 μ S
UNKNOWN 2 124.4 198.7 μ S
UNKNOWN 3 175.2 395.3 μ S
UNKNOWN 4 358.2 283.7 μ S

PHOTOVAC

□ □ □ □

NEW DAY

PHOTOVAC

START
STOP # 2.4
SAMPLE LIBRARY 1 NOV 20 1991 18:12
ANALYSIS # 1 50-40, LN12, 850FT
INTERNAL TEMP 19 2 ML
GAIN 2 SYR #5

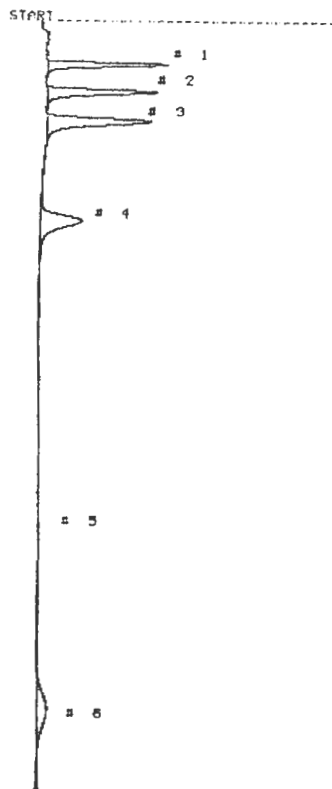
COMPOUND NAME PEAK R.T. AREA/PPM

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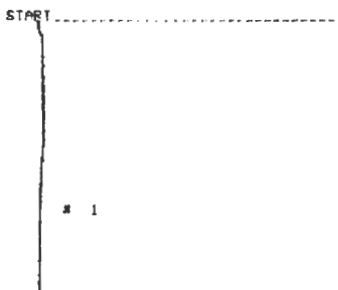


STOP # 1190.9
 SAMPLE LIBRARY 1 NOV 21 1991 9:59
 ANALYSIS # 0 STR BLK
 INTERNAL TEMP 25 11L
 GAIN 5 STR# 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	89.3	2.6 US
UNKNOWN	2	112.0	3.1 US
UNKNOWN	3	158.4	4.1 US
UNKNOWN	4	314.2	2.9 US
UNKNOWN	6	1294.1	2.1 US

*Poor standard
 not 1 bar
 due to bad
 bulb septum*

PHOTOVAC

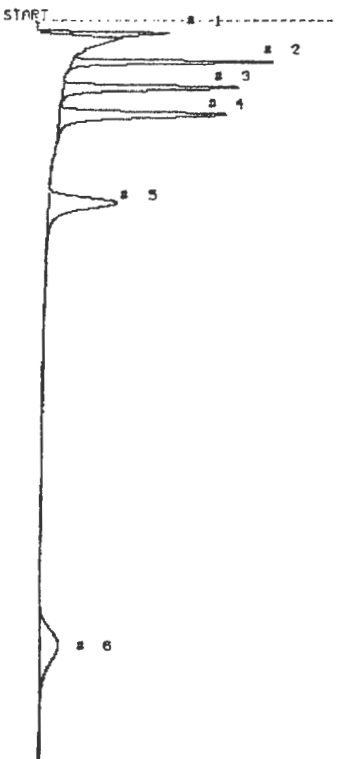


STOP # 124.3
 SAMPLE LIBRARY 1 NOV 21 1991 10:3
 ANALYSIS # 7 STR BLK
 INTERNAL TEMP 28 11L
 GAIN 5 STR# 5

COMPOUND NAME PEAK R.T. AREA/PPM

*Reprepared stds.
 from cylinder
 septum is bulber appeared
 very warm (poor response likely due to
 escape of gas)*

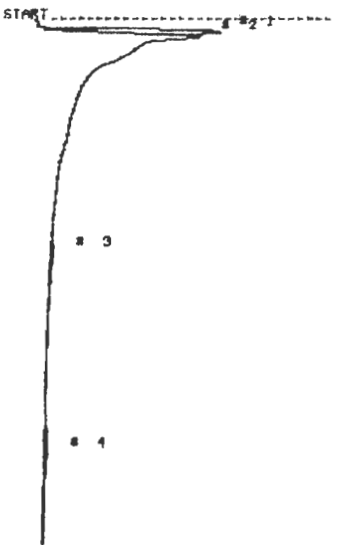
PHOTOVAC



STOP # 1153.5
 SAMPLE LIBRARY 1 NOV 21 1991 10:24
 ANALYSIS # 0 095 STD, 1 PPM
 INTERNAL TEMP 26 11L OF 1 PPM
 GAIN 5 STR# 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	20.8	1.5 US
UNKNOWN	2	85.9	4.0 US
UNKNOWN	3	105.2	4.0 US
UNKNOWN	4	142.6	0.1 US
UNKNOWN	5	282.5	4.8 US
UNKNOWN	6	990.4	3.7 US

PHOTOVAC

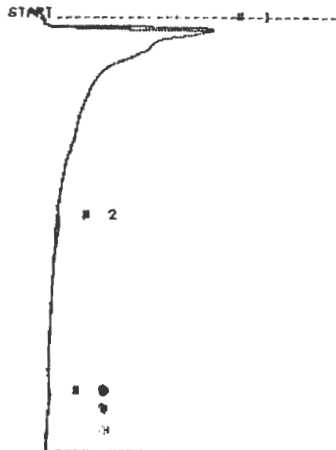


STOP # 824.5
 SAMPLE LIBRARY 1 NOV 21 1991 10:39
 ANALYSIS # 8 68-49, PROBE BLK
 INTERNAL TEMP 27 2 1L
 GAIN 0 STR# 4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	21.9	2.2 US/1=1.1
UNKNOWN	2	585.2	148.3 μUS
UNKNOWN	4	877.4	316.2 μUS

$2.66/2 = 1.33$

PHOTOVAC



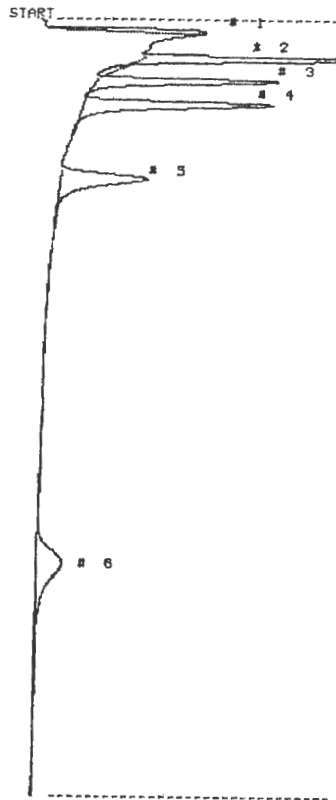
STOP # 679.8
 SAMPLE LIBRARY 1 NOV 21 1991 11:41
 ANALYSIS # 13 50-52, LN13, 900FT
 INTERNAL TEMP 23 2 ML
 GAIN 5 SYR # 3

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 1 19.3 738.8 μS $\frac{1}{2} = 360$
 UNKNOWN 2 325.0 153.3 μS

$.391/2 = .196$

PHOTOVAC

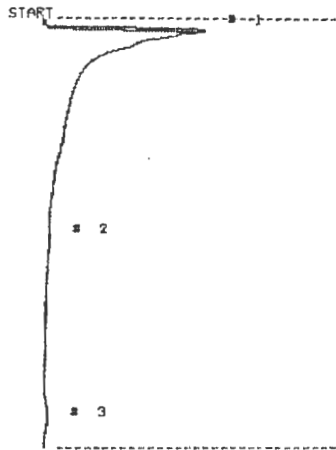


STOP # 1206.5
 SAMPLE LIBRARY 1 NOV 21 1991 11:29
 ANALYSIS # 12 GAS STD 2 PPM
 INTERNAL TEMP 27 2 ML OF 1 PPM
 GAIN 5 SYR # 5

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 1 21.0 1.4 US
 UNKNOWN 2 53.2 6.8 US
 UNKNOWN 3 96.1 5.0 US
 UNKNOWN 4 133.0 7.0 US
 UNKNOWN 5 252.0 5.0 US
 UNKNOWN 6 367.1 4.0 US

PHOTOVAC

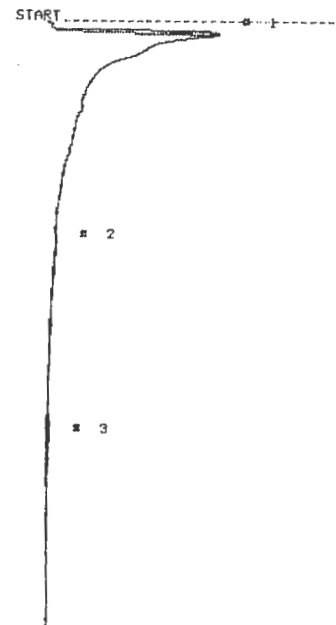


STOP # 669.4
 SAMPLE LIBRARY 1 NOV 21 1991 11:8
 ANALYSIS # 11 50-51, LN13, 1010
 INTERNAL TEMP 23 2 ML
 GAIN 5 STR # 4

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 1 19.2 827.1 μS $\frac{1}{2} = 0.414$

PHOTOVAC



STOP # 671.1
 SAMPLE LIBRARY 1 NOV 21 1991 10:56
 ANALYSIS # 10 50-50, LN14, 1370
 INTERNAL TEMP 20 2 ML
 GAIN 5 SYR # 3

COMPOUND NAME PEAK R.T. AREA/PPM

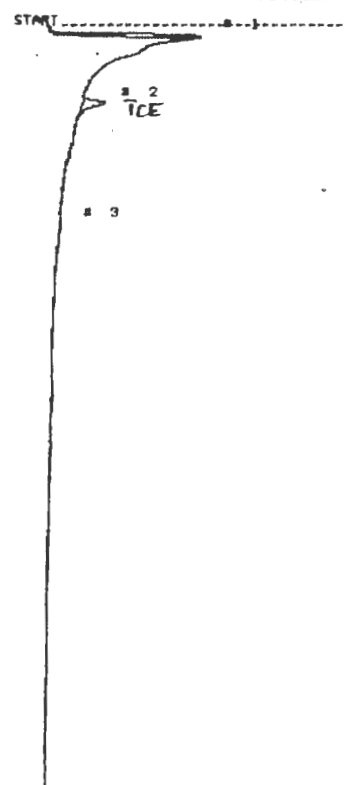
UNKNOWN 1 18.7 727.3 μS $\frac{1}{2} = .369$
 UNKNOWN 3 190.3 190.3 μS

$0.928/2 = .464$

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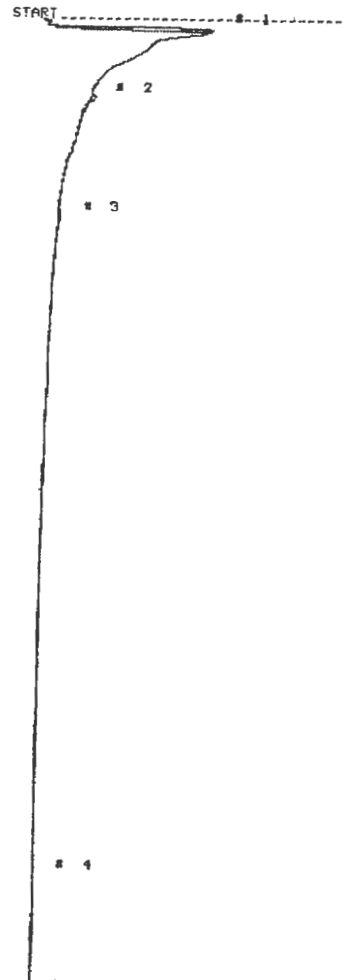


STOP # 1188.2
 SAMPLE LIBRARY 1 NOV 21 1991 13:7
 ANALYSIS # 17 68-55, 60MMHOF MD MCA
 INTERNAL TEMP 28 BORING B-3-91
 GAIN 5 2 ML FROM SYR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.4	718.2 mUS $\frac{1}{2} = .755$
UNKNOWN	2	126.4	785.2 mUS $\frac{1}{2} = .573$

$\frac{1}{2} = .75$

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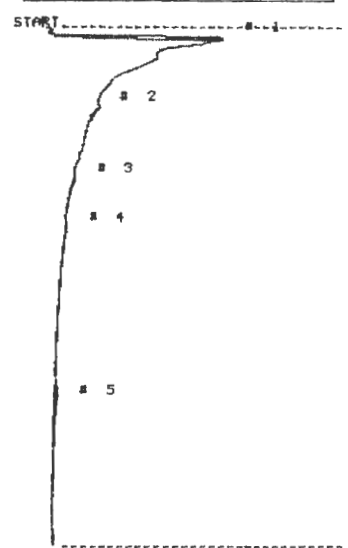


STOP # 1500.0
 SAMPLE LIBRARY 1 NOV 21 1991 12:41
 ANALYSIS # 18 58-54, LN13, 850FT
 INTERNAL TEMP 28 2 ML
 GAIN 5 SYR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.4	957.8 mUS $\frac{1}{2} = .479$
UNKNOWN	2	126.8	119.8 mUS

$1.68 \frac{1}{2} = .535$

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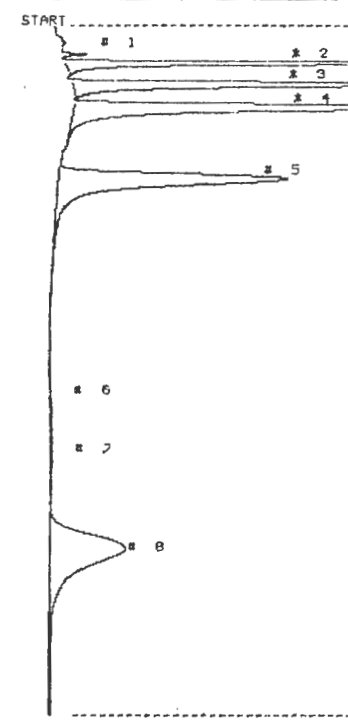


STOP # 309.0
 SAMPLE LIBRARY 1 NOV 21 1991 12:15
 ANALYSIS # 15 58-53, LN13, 915FT
 INTERNAL TEMP 28 2 ML
 GAIN 5 SYR #5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.2	745.5 mUS $\frac{1}{2} = .373$
UNKNOWN	5	583.3	194.8 mUS

$0.941 \frac{1}{2} = .47$

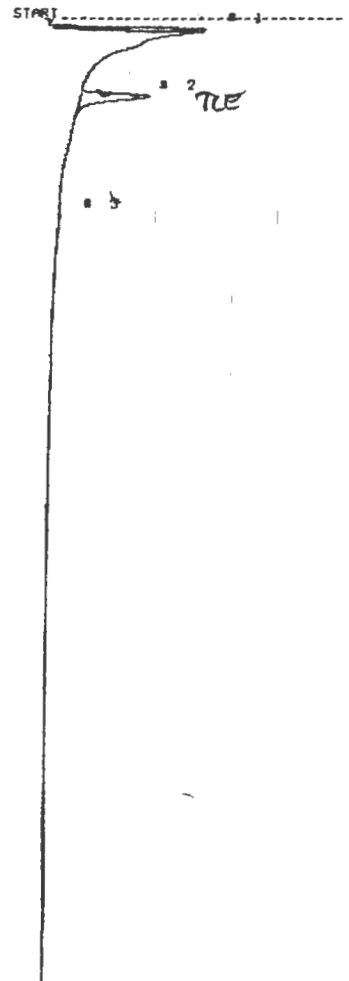
PHOTOVAC



STOP # 1076.5
 SAMPLE LIBRARY 1 NOV 21 1991 12:18
 ANALYSIS # 14 GAS STD, 5 PPM
 INTERNAL TEMP 28 0.5 ML OF 10 PPM
 GAIN 5 SYR #1, 11L SYR

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	16.3	266.6 mUS
UNKNOWN	2	57.7	14.1 US
UNKNOWN	3	99.6	13.1 US
UNKNOWN	4	128.8	27.8 US
UNKNOWN	5	245.8	16.4 US
UNKNOWN	8	834.3	14.3 US

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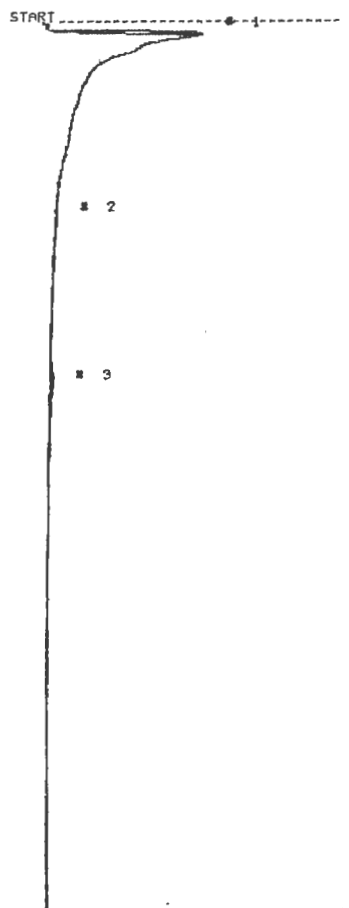


STOP # 1500.0
 SAMPLE LIBRARY 1 NOV 21 1991 14:44
 ANALYSIS # 21 SG-56, NEAR B-4
 INTERNAL TEMP 28 2 mL
 GAIN 5 SYR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.2	848.1 μ S
UNKNOWN	2	129.6	2.7 μ S

1.95
 1.77

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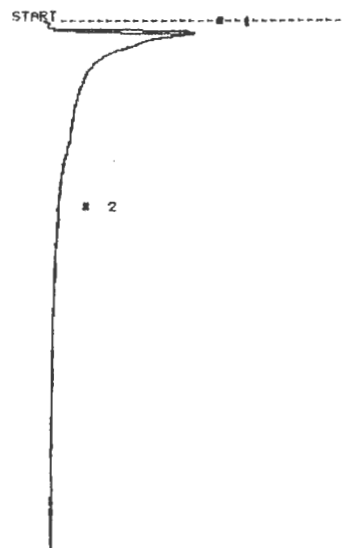


STOP # 1300.0
 SAMPLE LIBRARY 1 NOV 21 1991 14:17
 ANALYSIS # 20 SG-57, SOUTH OF
 INTERNAL TEMP 28 B-4, 2 mL
 GAIN 5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.3	883.8 μ S
UNKNOWN	3	566.8	336.8 μ S

1.26
 $1.2 = .63$

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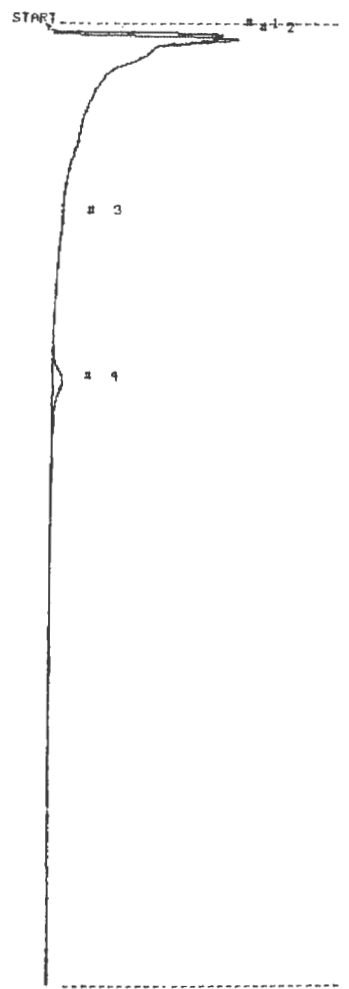


STOP # 900.0
 SAMPLE LIBRARY 1 NOV 21 1991 13:53
 ANALYSIS # 19 SYR BLK
 INTERNAL TEMP 29 2 mL
 GAIN 5 SYR #5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.3	668.3 μ S

.330

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STOP # 1500.0
 SAMPLE LIBRARY 1 NOV 21 1991 13:03
 ANALYSIS # 18 SG-56, SOUTH OF
 INTERNAL TEMP 28 BORING B-3
 GAIN 5 2 mL FROM SYR #4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.3	825.1 μ S
UNKNOWN	2	24.8	668.6 μ S
UNKNOWN	4	569.8	1.2 μ S

2.135
 $2 = 1.37$

Client _____

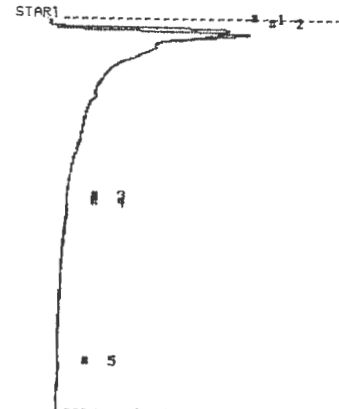
Job No. _____

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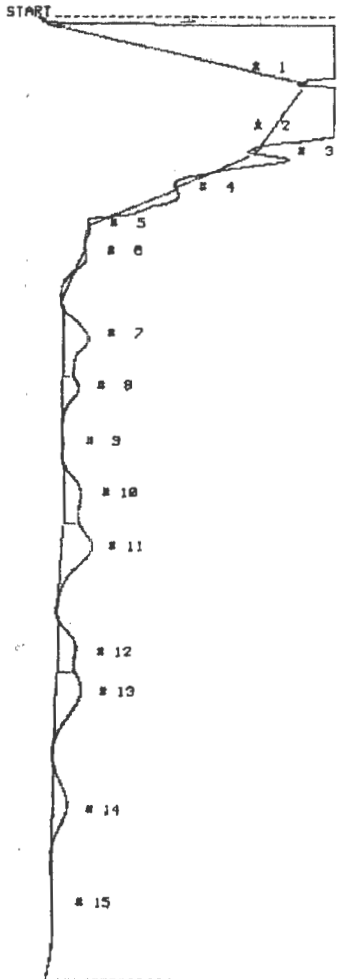


STOP # 810.3
SAMPLE LIBRARY 1 NOV 21 1991 14:57
ANALYSIS # 22 50-59, NORTH OF
INTERNAL TEMP 30 84-81, 2 ML
GAIN 5 6YR #4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.1	856.7 μ S
UNKNOWN	2	29.4	811.2 μ S

1.67/2 =
0.834

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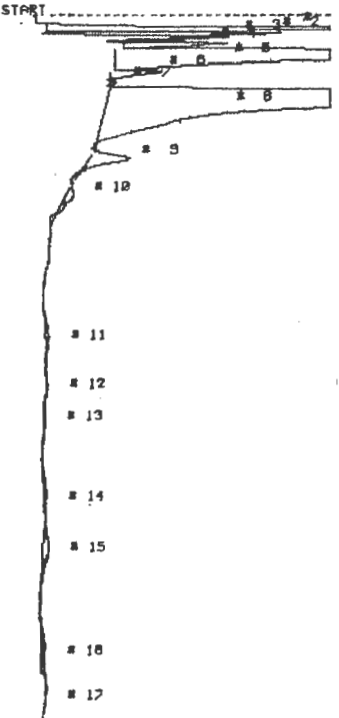


STOP # 1500.0
SAMPLE LIBRARY 1 NOV 21 1991 15:23
ANALYSIS # 23 80-80, BEND IN
INTERNAL TEMP 20 ROAD, 2ML INJ
GAIN 5 6YR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	54.3	857.0 US
UNKNOWN	2	148.4	166.1 US
UNKNOWN	3	225.6	2.6 US
UNKNOWN	4	281.3	3.2 US
UNKNOWN	6	381.2	273.0 μ S
UNKNOWN	7	512.2	5.3 US
UNKNOWN	8	532.3	2.2 US
UNKNOWN	10	768.6	3.2 US
UNKNOWN	11	845.1	6.5 US
UNKNOWN	12	1008.4	3.3 US
UNKNOWN	13	1072.1	6.8 US
UNKNOWN	14	1255.7	3.6 US

1060/2 = 530

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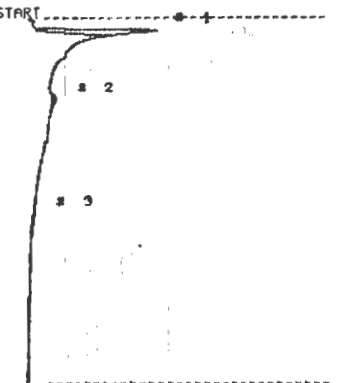


STOP # 1106.4
SAMPLE LIBRARY 1 NOV 21 1991 15:46
ANALYSIS # 24 60-61, DUP OF 60
INTERNAL TEMP 20 0.5 ML
GAIN 5 6YR #2

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	27.5	10.2 US
UNKNOWN	2	28.3	2.0 US
UNKNOWN	3	33.5	122.9 μ S
UNKNOWN	4	45.3	2.2 US
UNKNOWN	5	61.3	43.8 US
UNKNOWN	6	90.4	1.1 US
UNKNOWN	8	123.5	186.0 US
UNKNOWN	9	228.0	2.1 US
UNKNOWN	10	285.1	661.5 μ S
UNKNOWN	11	513.5	481.2 μ S
UNKNOWN	14	768.6	323.8 μ S
UNKNOWN	15	845.1	618.3 μ S
UNKNOWN	16	1025.8	858.6 μ S

257 * 2 = 514

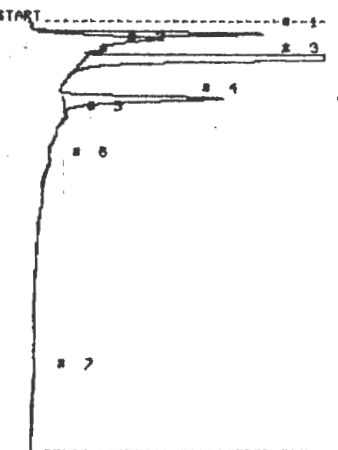
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STOP # 566.5
SAMPLE LIBRARY 1 NOV 21 1991 18:57
ANALYSIS # 25 STR BLK
INTERNAL TEMP 30 1 ML
GAIN 5 6YR #5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	28.2	1.6 US
UNKNOWN	2	128.8	141.4 μ S

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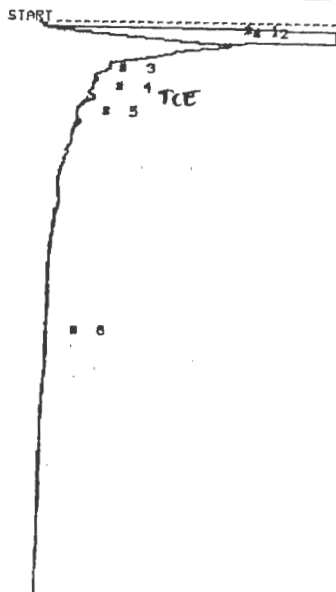
STOP # 665.0
SAMPLE LIBRARY 1 NOV 21 1991 16:19
ANALYSIS # 26 60-62
INTERNAL TEMP 30 1 ML
GAIN 5 6YR #1

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	28.1	3.0 US
UNKNOWN	3	57.4	24.8 US
UNKNOWN	4	123.2	3.3 US

12.74

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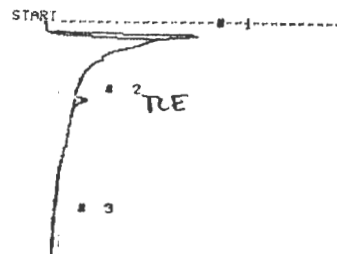
STOP # 604.5
 SAMPLE LIBRARY 1 NOV 21 1991 17:11
 ANALYSIS # 31 SG-85
 INTERNAL TEMP 30 2 ML
 GAIN 5 6YR #4

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN	1	13.4	107.7	US
UNKNOWN	4	122.0	241.9	μS
UNKNOWN	5	155.2	146.3	μS

108.1/2 = 54.0

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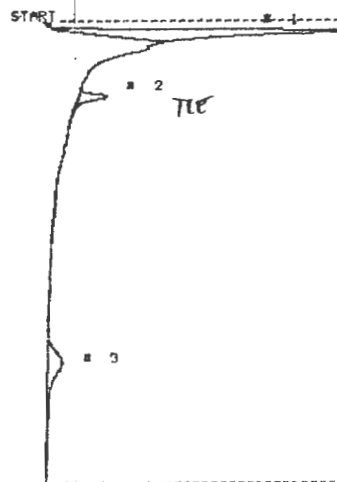


STOP # 300.2
 SAMPLE LIBRARY 1 NOV 21 1991 16:42
 ANALYSIS # 29 6YR BLK
 INTERNAL TEMP 33 1 ML
 GAIN 5 6YR #3

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN	1	20.3	1.8	US
UNKNOWN	2	124.0	303.5	μS

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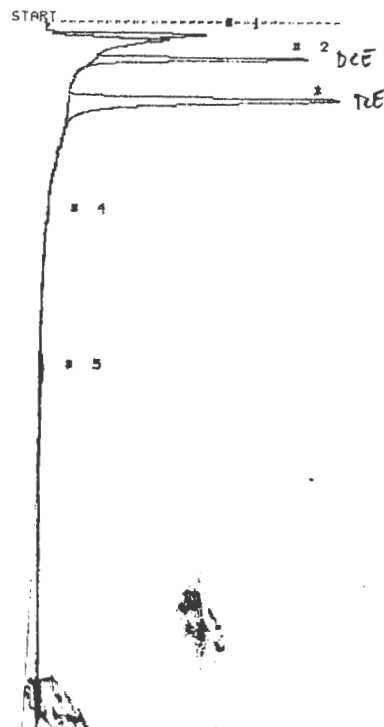
STOP # 219.1
 SAMPLE LIBRARY 1 NOV 21 1991 16:53
 ANALYSIS # 30 SG-84
 INTERNAL TEMP 31 2 ML
 GAIN 5 6YR #5

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN	1	16.9	8.3	US
UNKNOWN	2	119.6	1.8	US
UNKNOWN	3	345.3	2.1	US

11.4/2 = 5.7

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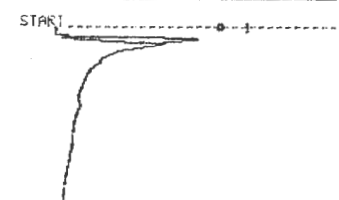
STOP # 1099.0
 SAMPLE LIBRARY 1 NOV 21 1991 16:34
 ANALYSIS # 28 SG-83
 INTERNAL TEMP 29 1 ML
 GAIN 5 6YR #2, 1 ML

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN	1	19.0	1.8	US
UNKNOWN	2	56.9	4.3	US
UNKNOWN	3	120.7	12.3	US
UNKNOWN	5	350.9	205.2	μS

18.79

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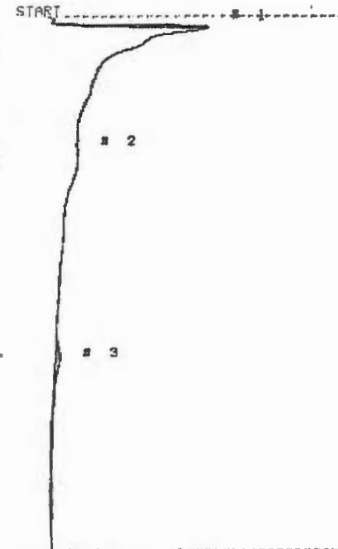


STOP # 274.1
 SAMPLE LIBRARY 1 NOV 21 1991 16:15
 ANALYSIS # 27 6YR BLK
 INTERNAL TEMP 35 1 ML
 GAIN 5 6YR #4

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN	1	19.6	1.5	US
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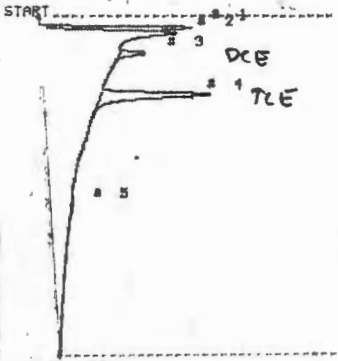


STOP # 831.1
 SAMPLE LIBRARY 1 NOV 21 1991 17:28
 ANALYSIS # 32 S8-86
 INTERNAL TEMP 29 2 ML
 GRIN 5 STR #5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	17.3	773.8 μS
UNKNOWN	3	542.5	444.9 μS

1.23/2 = .61

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STOP # 525.2
 SAMPLE LIBRARY 1 NOV 21 1991 17:30
 ANALYSIS # 33 S8-87
 INTERNAL TEMP 31 2 ML
 GRIN 5 STR #3

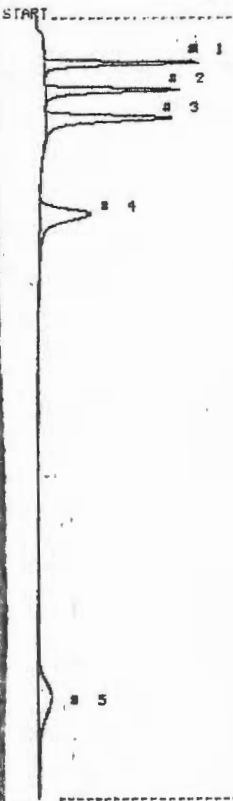
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.0	1.4 μS
UNKNOWN	3	57.9	349.8 μS
UNKNOWN	4	122.4	3.7 μS

5.67/2 = 2.83

END OF
DATA

Handwritten diagonal line across the grid.

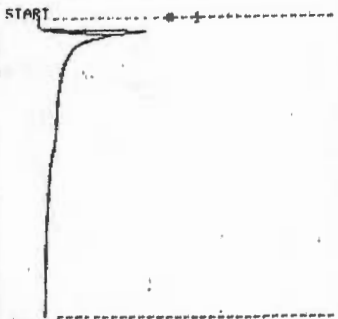
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STOP # 1214.8
 SAMPLE LIBRARY 1 NOV 22 1991 3:6
 ANALYSIS # 3 GAS STD 1 PPM
 INTERNAL TEMP 24 1 ML OF 1 PPM
 GAIN 5 GYR #5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	88.9	3.0 US
UNKNOWN	2	111.1	3.0 US
UNKNOWN	3	154.4	4.9 US
UNKNOWN	4	323.9	3.7 US
UNKNOWN	5	1880.3	2.6 US

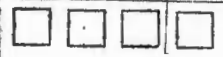
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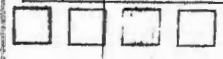
STOP # 468.9
 SAMPLE LIBRARY 1 NOV 22 1991 8:45
 ANALYSIS # 2 STR BLK
 INTERNAL TEMP 26 1 ML
 GAIN 5 GYR #5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	28.9	1.1 US

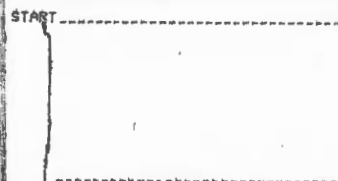
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STOP # 248.8
 SAMPLE LIBRARY 1 NOV 22 1991 #138
 ANALYSIS # 1 10 ML STR AND
 INTERNAL TEMP 27 10 PPM PROBE BLK
 GAIN 5 1 ML

COMPOUND NAME	PEAK	R.T.	AREA/PPM
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Job No.

By

Date

Sheet

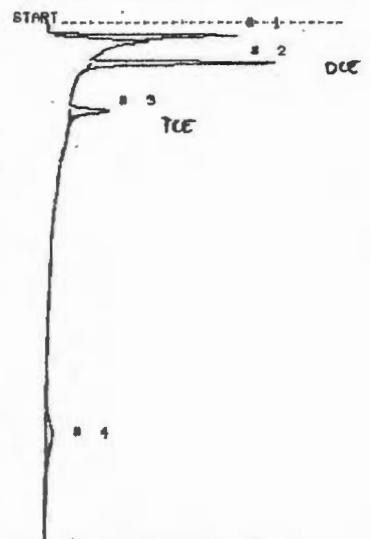
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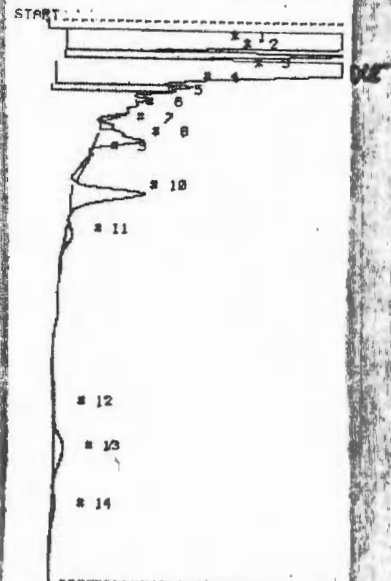


STOP # 883.9
 SAMPLE LIBRARY 1 NOV 22 1991 10:14
 ANALYSIS # 7 50-69
 INTERNAL TEMP 26 0.5 ML
 GAIN 5 SYR #1

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	28.4	2.1 US
UNKNOWN	2	62.9	3.1 US
UNKNOWN	3	138.8	1.1 US
UNKNOWN	4	655.3	993.7 mUS

$7.3 \times 2 = 14.6$

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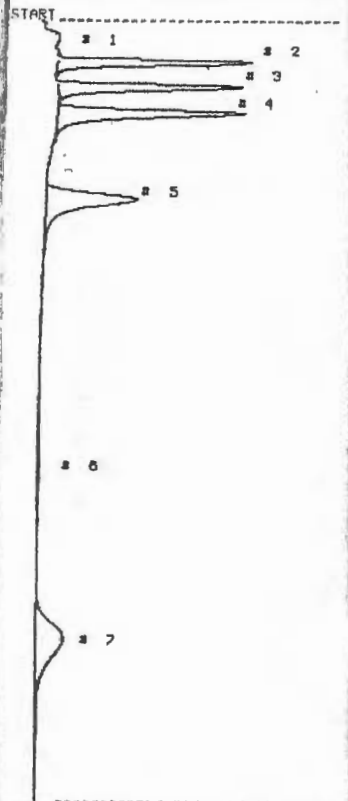


STOP # 979.1
 SAMPLE LIBRARY 1 NOV 22 1991 9:59
 ANALYSIS # 6 50-69
 INTERNAL TEMP 27 0.5 ML
 GAIN 5 SYR #1

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	26.2	172.4 US
UNKNOWN	2	48.6	11.4 US
UNKNOWN	3	69.4	28.1 US
UNKNOWN	4	101.8	3.5 US
UNKNOWN	5	122.0	267.1 mUS
UNKNOWN	7	165.7	404.8 mUS
UNKNOWN	8	188.2	2.7 US
UNKNOWN	10	272.4	4.7 US
UNKNOWN	11	348.3	541.4 mUS
UNKNOWN	12	683.5	168.0 mUS
UNKNOWN	13	679.1	1.5 US
UNKNOWN	14	770.6	212.7 mUS

$273.1 \times 2 = 546.2$

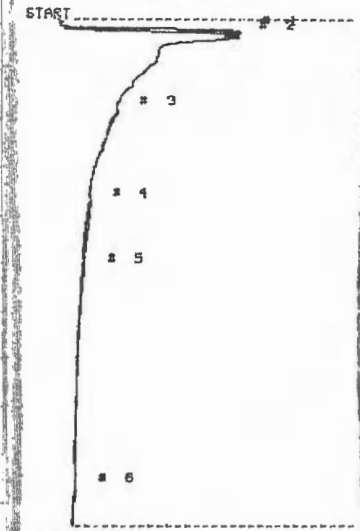
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STOP # 1219.8
 SAMPLE LIBRARY 1 NOV 22 1991 9:44
 ANALYSIS # 5 QAS STD, 2 PPM
 INTERNAL TEMP 26 2 ML OF 1 PPM
 GAIN 5 SYR #5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	61.7	5.8 US
UNKNOWN	3	101.5	6.8 US
UNKNOWN	4	148.4	6.7 US
UNKNOWN	5	285.1	7.5 US
UNKNOWN	7	988.0	5.8 US

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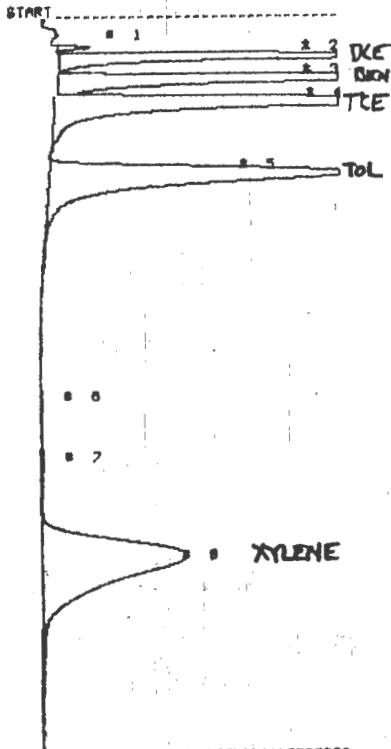
STOP # 792.2
 SAMPLE LIBRARY 1 NOV 22 1991 9:22
 ANALYSIS # 4 50-72, PROBE BLK
 INTERNAL TEMP 26 2 ML
 GAIN 5 SYR #4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	15.0	821.9 mUS
UNKNOWN	2	26.9	125.3 mUS
UNKNOWN	5	393.2	187.2 mUS

$1.16 / 2 = 0.58$

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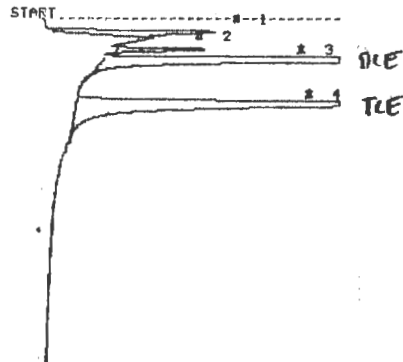
STOP # 1142.3
 SAMPLE LIBRARY 1 NOV 22 1991 11:24
 ANALYSIS # 11 QMG STD, 10 PPM
 INTERNAL TEMP 20 1 ML OF 10 PPM
 DRAIN 5 SYR #1

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	46.3	697.3 μS
UNKNOWN	2	68.4	31.0 US
UNKNOWN	3	94.9	49.7 US
UNKNOWN	4	131.0	63.9 US
UNKNOWN	5	244.3	39.4 US
UNKNOWN	7	788.7	165.7 μS
UNKNOWN	8	856.1	32.4 US

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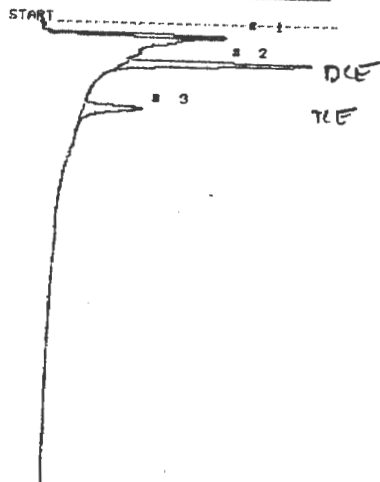


STOP # 549.5
 SAMPLE LIBRARY 1 NOV 22 1991 11:4
 ANALYSIS # 10 50-73
 INTERNAL TEMP 20 1 ML
 DRAIN 5 SYR #5

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	20.2	2.1 US
UNKNOWN	2	47.1	1.2 US
UNKNOWN	3	61.4	20.8 US
UNKNOWN	4	131.5	24.1 US

48.2

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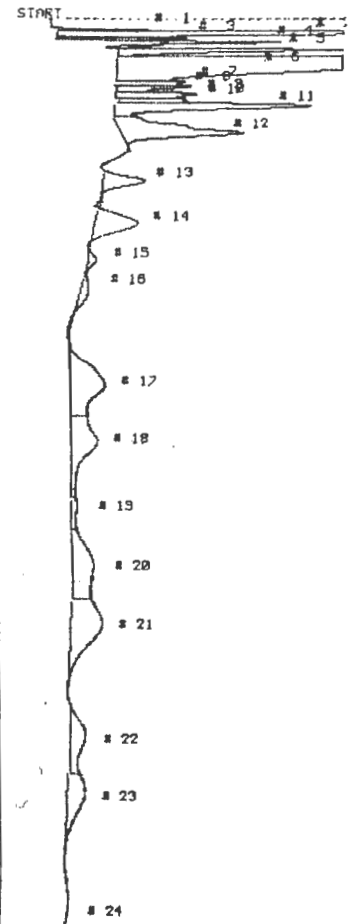


STOP # 731.4
 SAMPLE LIBRARY 1 NOV 22 1991 10:54
 ANALYSIS # 8 50-73 7/1 MD
 INTERNAL TEMP 20 1 ML MD
 DRAIN 5 SYR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	20.8	656.5 μS
UNKNOWN	2	61.5	1.0 US
UNKNOWN	3	134.8	2.1 US

7.56

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STOP # 1423.5
 SAMPLE LIBRARY 1 NOV 22 1991 10:33
 ANALYSIS # 8 50-70
 INTERNAL TEMP 27 0.25 ML
 DRAIN 5 SYR #2

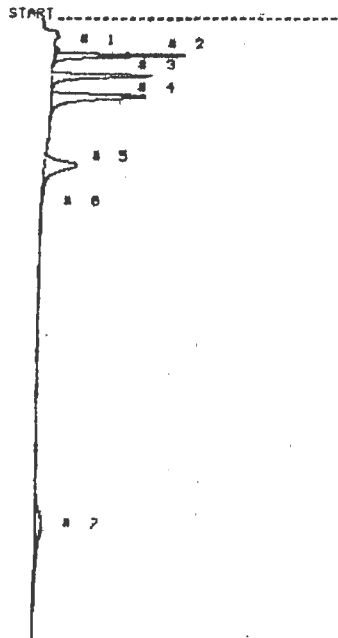
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	16.3	658.6 μS
UNKNOWN	2	21.1	11.1 US
UNKNOWN	3	28.3	890.9 μS
UNKNOWN	4	35.4	1.3 US
UNKNOWN	5	47.5	3.7 US
UNKNOWN	6	67.6	78.0 US
UNKNOWN	7	38.2	1.4 US
UNKNOWN	8	185.1	1.8 US
UNKNOWN	9	117.1	2.9 US
UNKNOWN	10	126.4	1.2 US
UNKNOWN	11	136.8	7.1 US
UNKNOWN	12	150.7	2.6 US
UNKNOWN	13	257.7	2.8 US
UNKNOWN	14	325.9	4.1 US
UNKNOWN	15	465.2	593.1 μS
UNKNOWN	16	425.6	683.1 μS
UNKNOWN	17	583.9	7.1 US
UNKNOWN	18	675.7	5.8 US
UNKNOWN	19	788.6	333.8 μS
UNKNOWN	20	873.7	5.6 US
UNKNOWN	21	965.5	2.5 US
UNKNOWN	22	1145.7	3.8 US
UNKNOWN	23	1293.4	3.9 US

44.4
 312
 28.4

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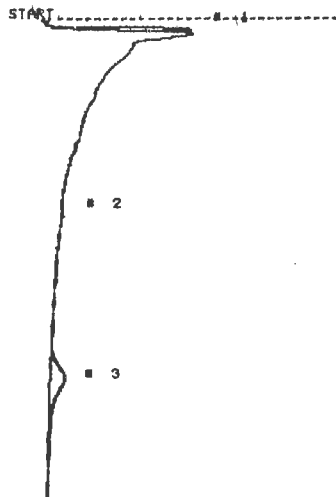
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STOP # 925.5
 SAMPLE LIBRARY 1 NOV 22 1981 12:30
 ANALYSIS # 15 QAS STD, 0.5 PPM
 INTERNAL TEMP 28 0.5 ML OF 1 PPM
 GAIN 8 STR #2

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	58.9	2.1 US
UNKNOWN	3	52.5	2.2 US
UNKNOWN	4	127.2	2.9 US
UNKNOWN	8	235.2	1.8 US
UNKNOWN	7	829.1	1.1 US

PHOTOVAC

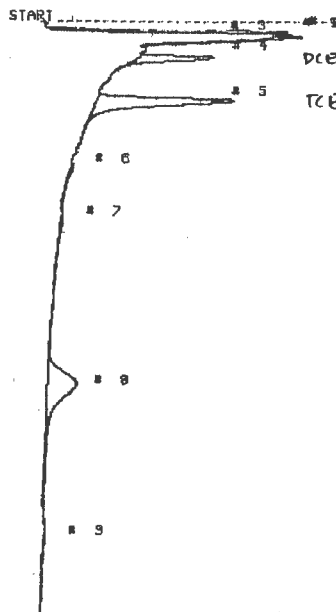


STOP # 769.7
 SAMPLE LIBRARY 1 NOV 22 1981 12:43
 ANALYSIS # 14 SO-75 76 MD
 INTERNAL TEMP 29 2 ML
 GAIN 5 STR #4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	18.3	838.2 mUS $\approx A3$
UNKNOWN	3	574.3	1.9 US

$2.76/2 = 1.38$

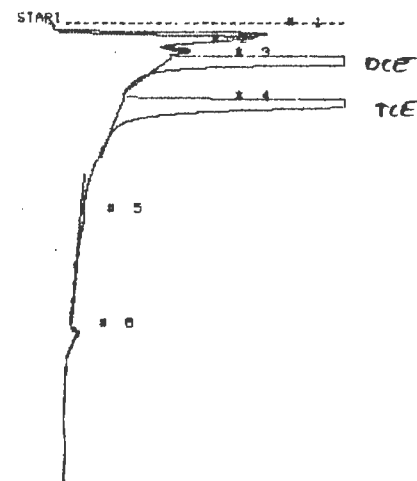
PHOTOVAC



STOP # 928.5
 SAMPLE LIBRARY 1 NOV 22 1981 12: 2
 ANALYSIS # 13 SO-75
 INTERNAL TEMP 29 2 ML
 GAIN 5 STR #4

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	17.0	887.2 mUS
UNKNOWN	3	24.6	984.8 mUS $\approx .49$
UNKNOWN	4	58.9	2.1 US ≈ 1.05 DCE
UNKNOWN	5	128.9	5.8 US ≈ 2.9 TCE
UNKNOWN	8	578.8	4.5 US

$14.3/2 = 7.1$



STOP # 879.1
 SAMPLE LIBRARY 1 NOV 22 1981 11:43
 ANALYSIS # 12 SO-74
 INTERNAL TEMP 28 2 ML
 GAIN 5 STR #3

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	17.5	1.8 US ≈ 8
UNKNOWN	2	43.3	141.7 mUS
UNKNOWN	3	58.8	29.8 US ≈ 14.8 DCE
UNKNOWN	4	126.7	32.9 US ≈ 16.45 TCE

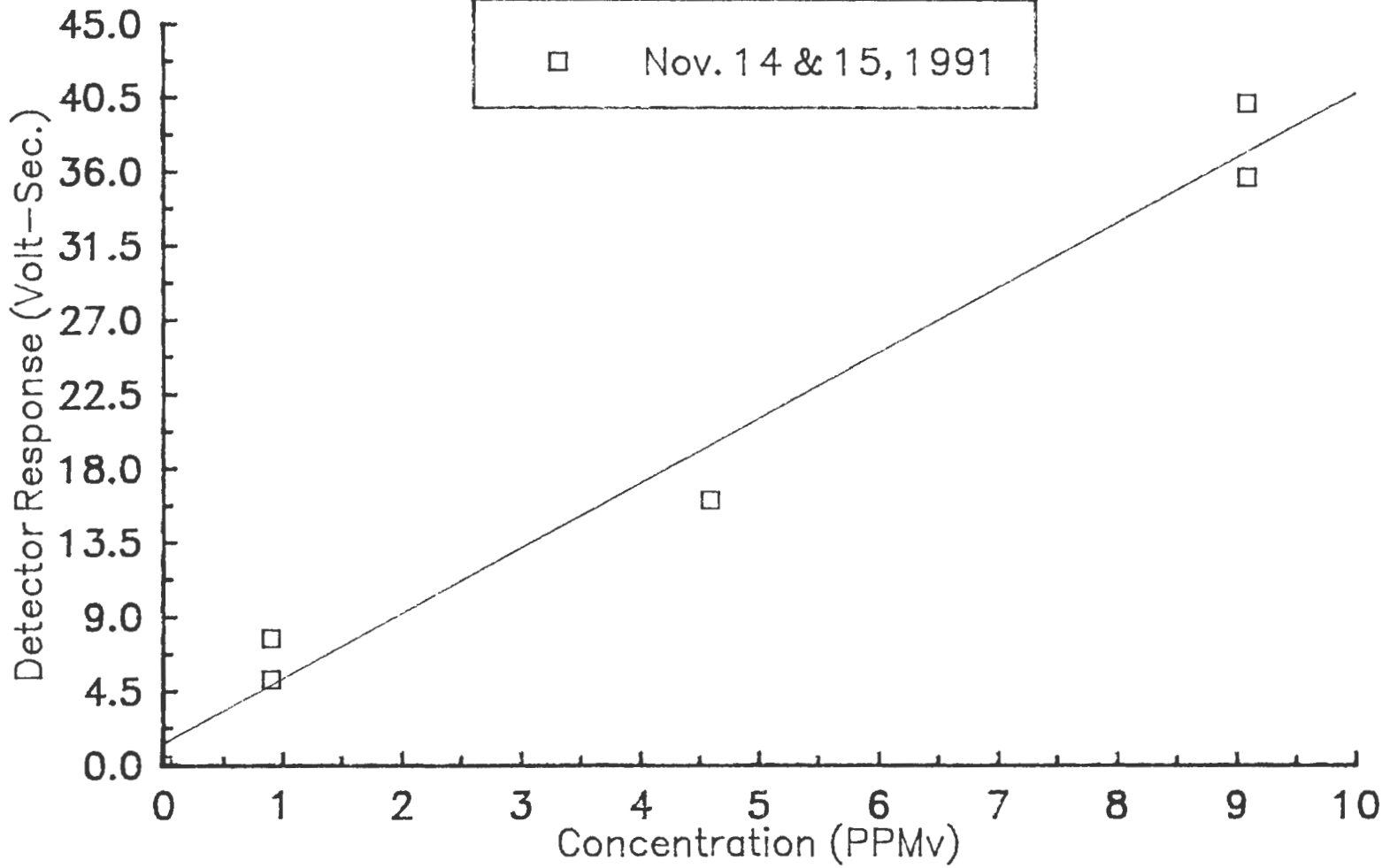
$64.2/2 = 32.1$

PHOTOVAC

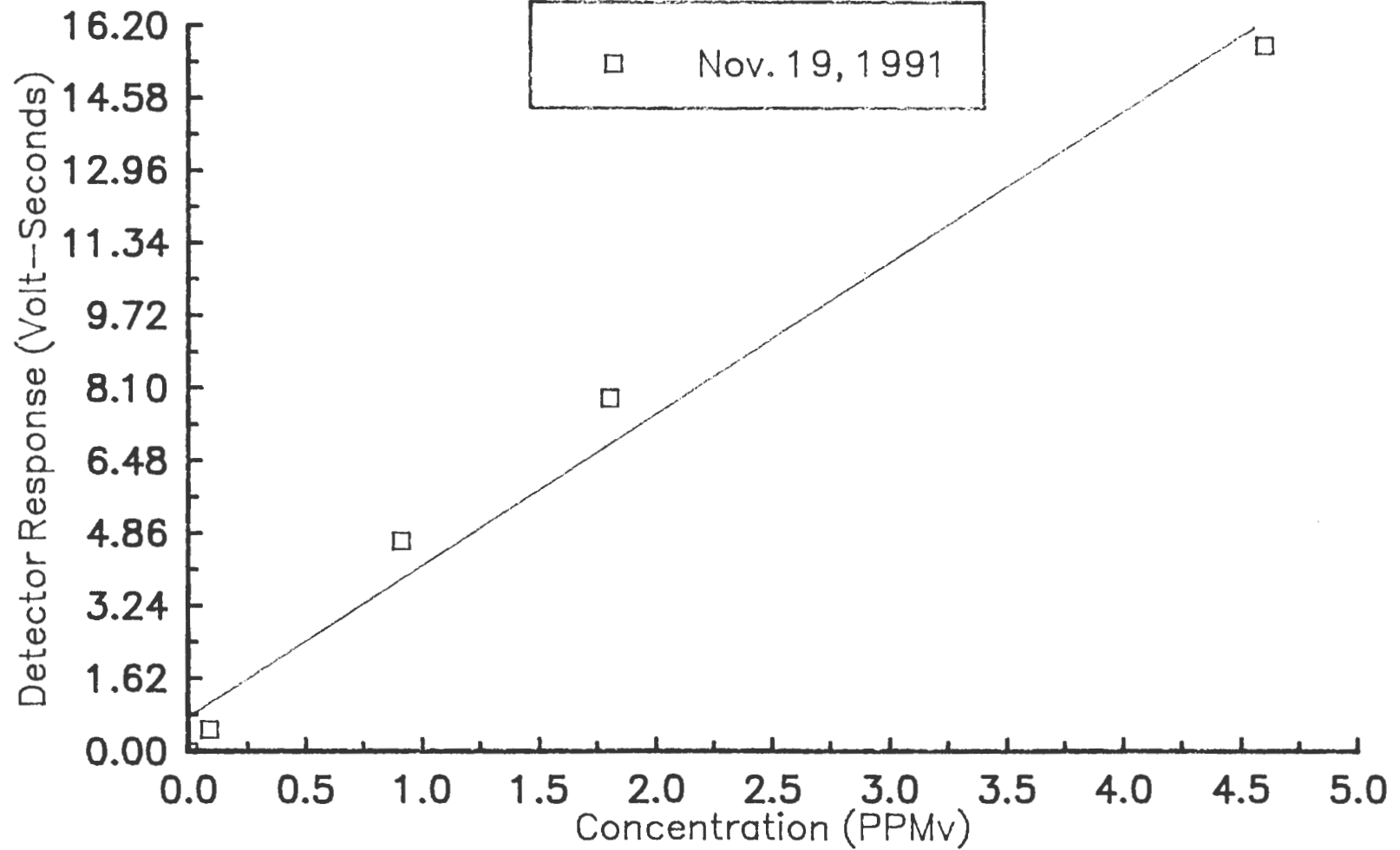
MAIN
1893

CALIBRATION CURVES AND STATISTICS

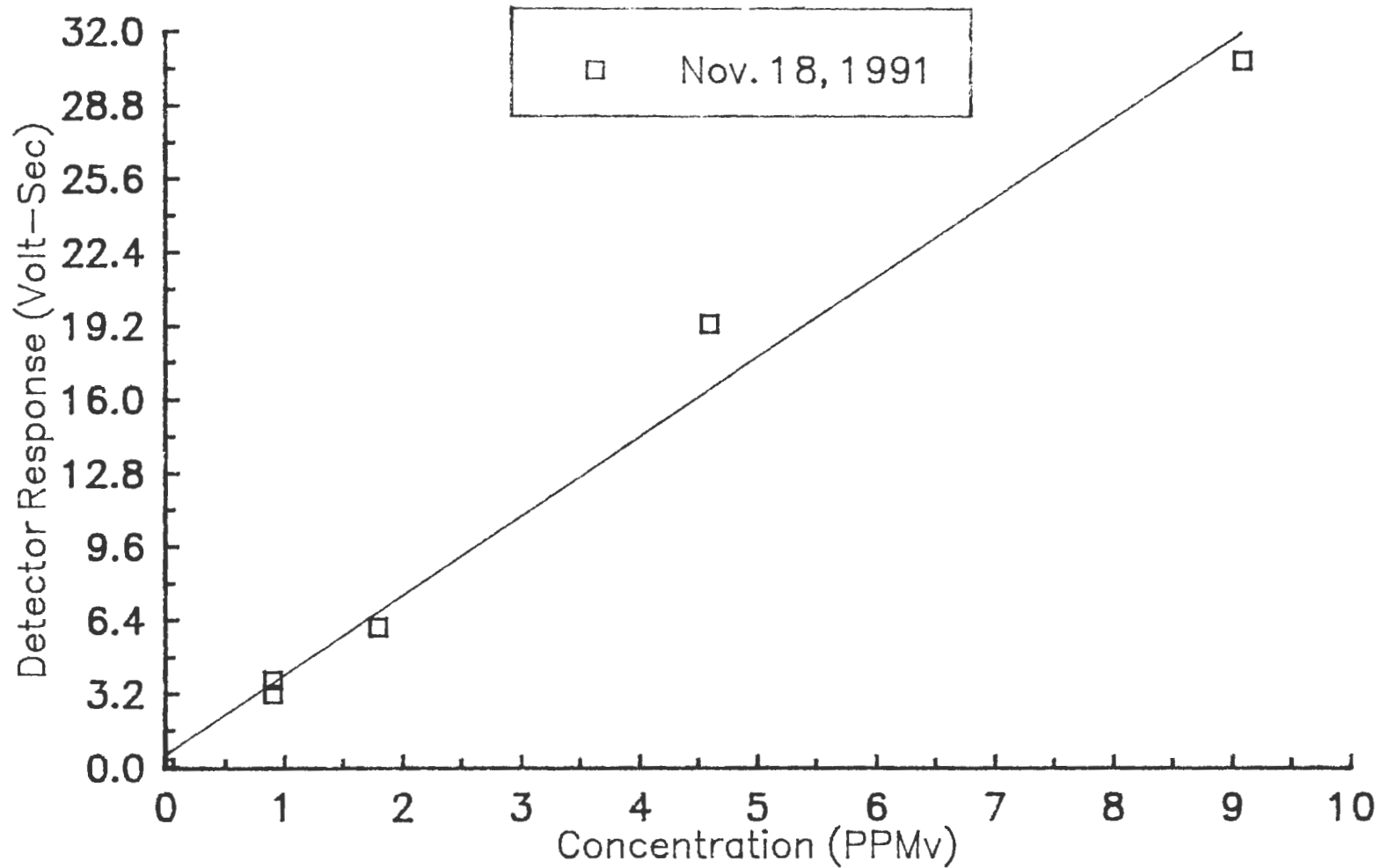
Photovac Calibration Curve
1,2-Dichloroethene



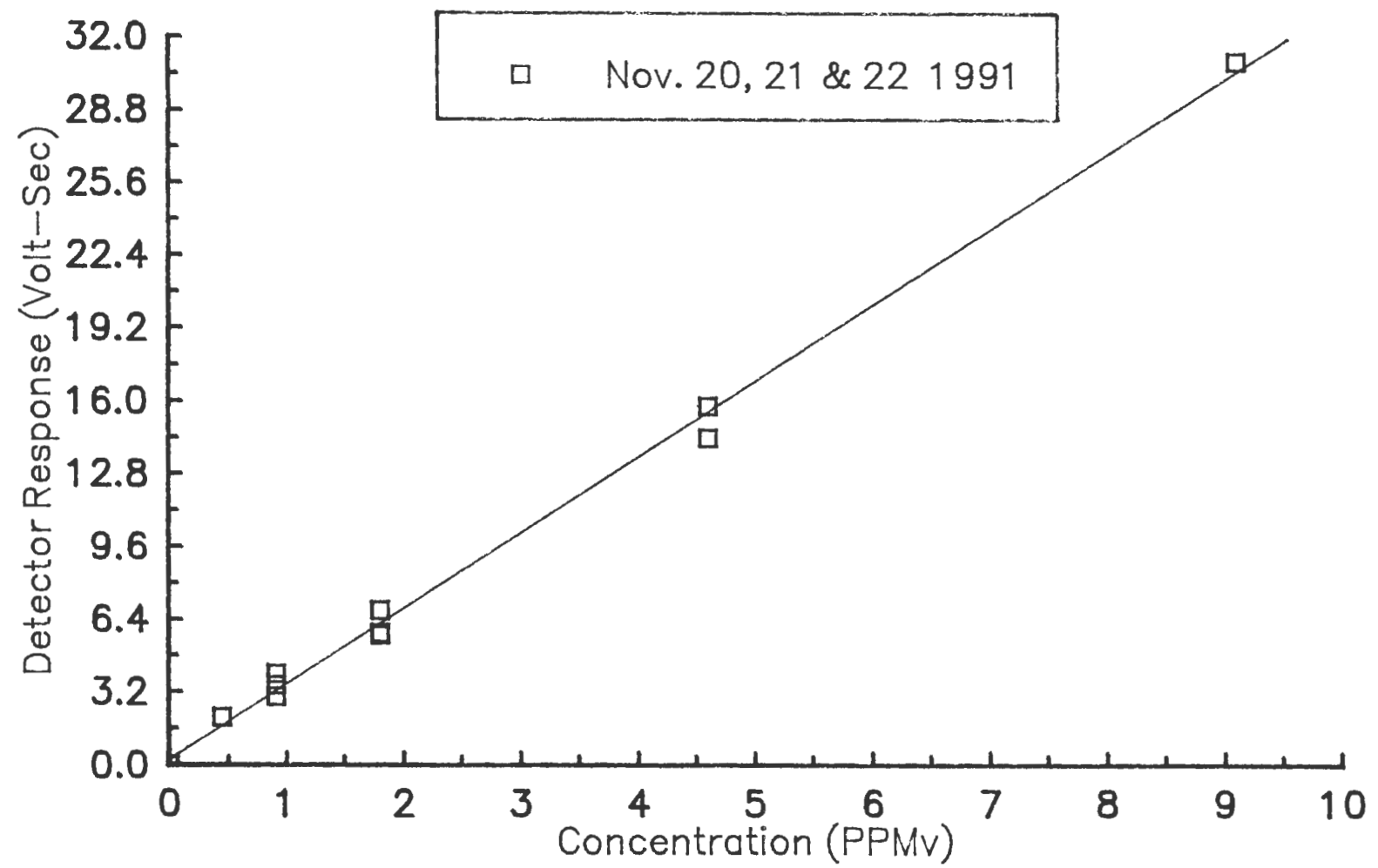
Photovac Calibration Curve
1,2-Dichloroethene



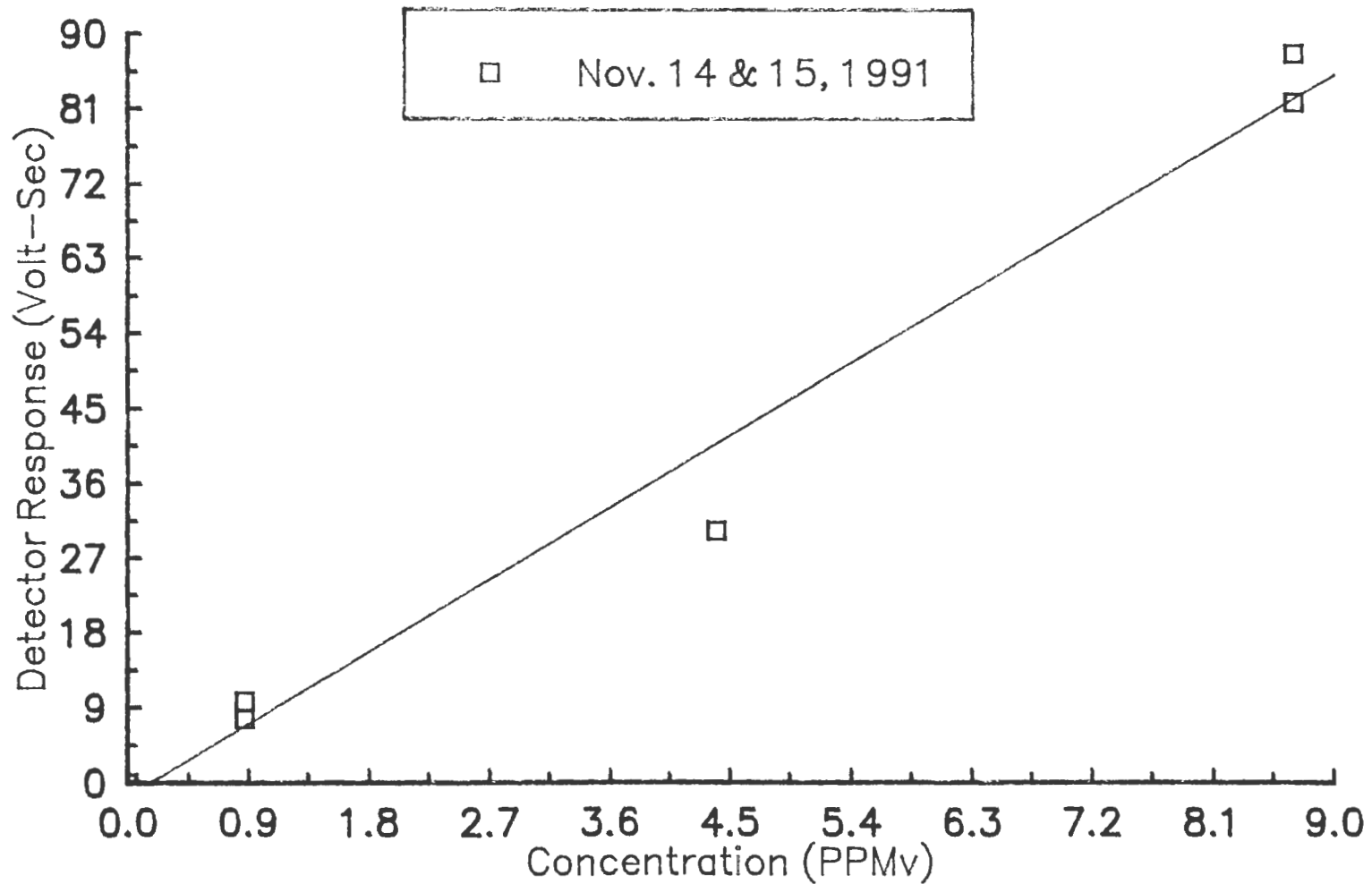
Photovac Calibration Curve
1,2-Dichloroethene



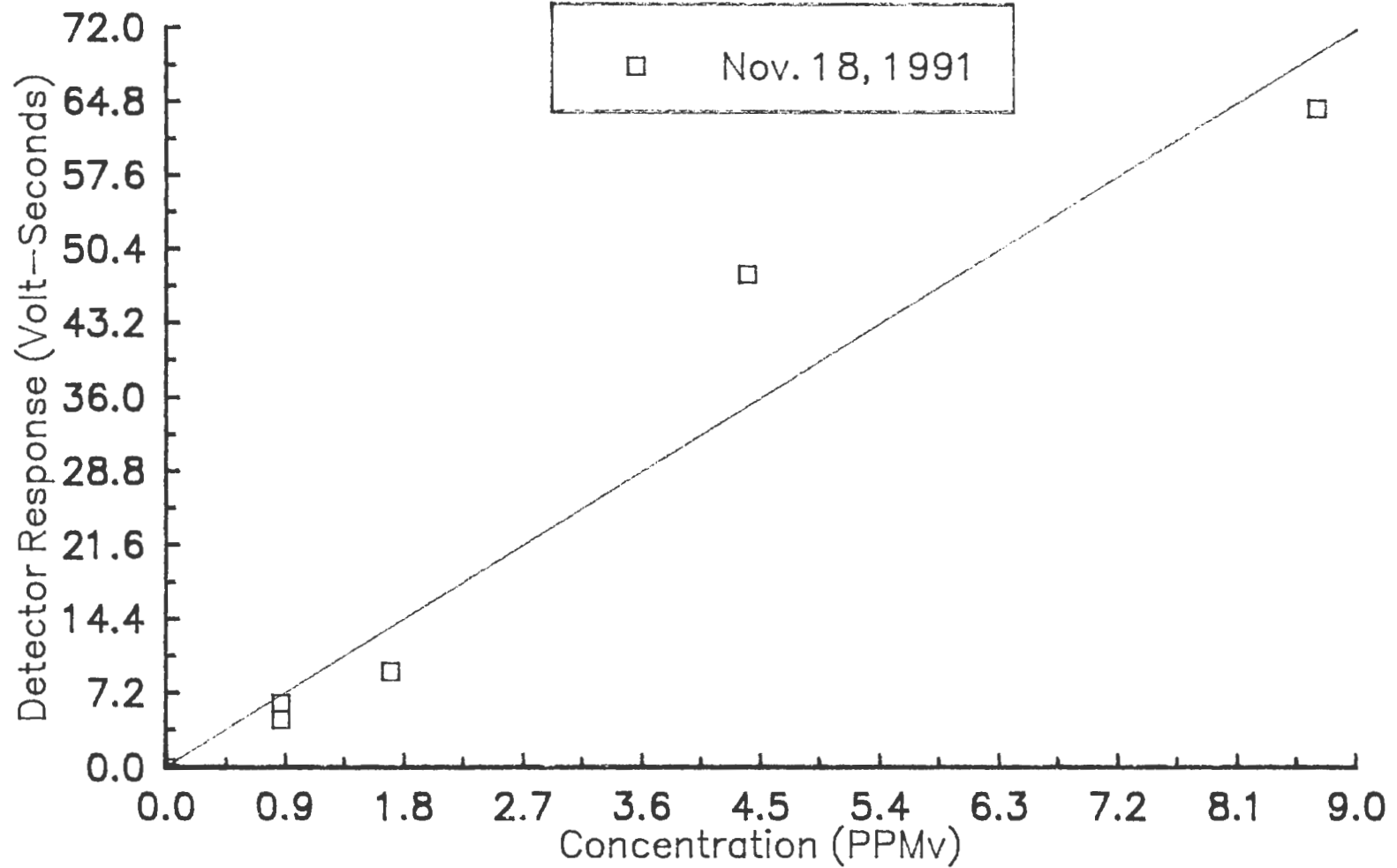
Photovac Calibration Curve
1,2-Dichloroethene



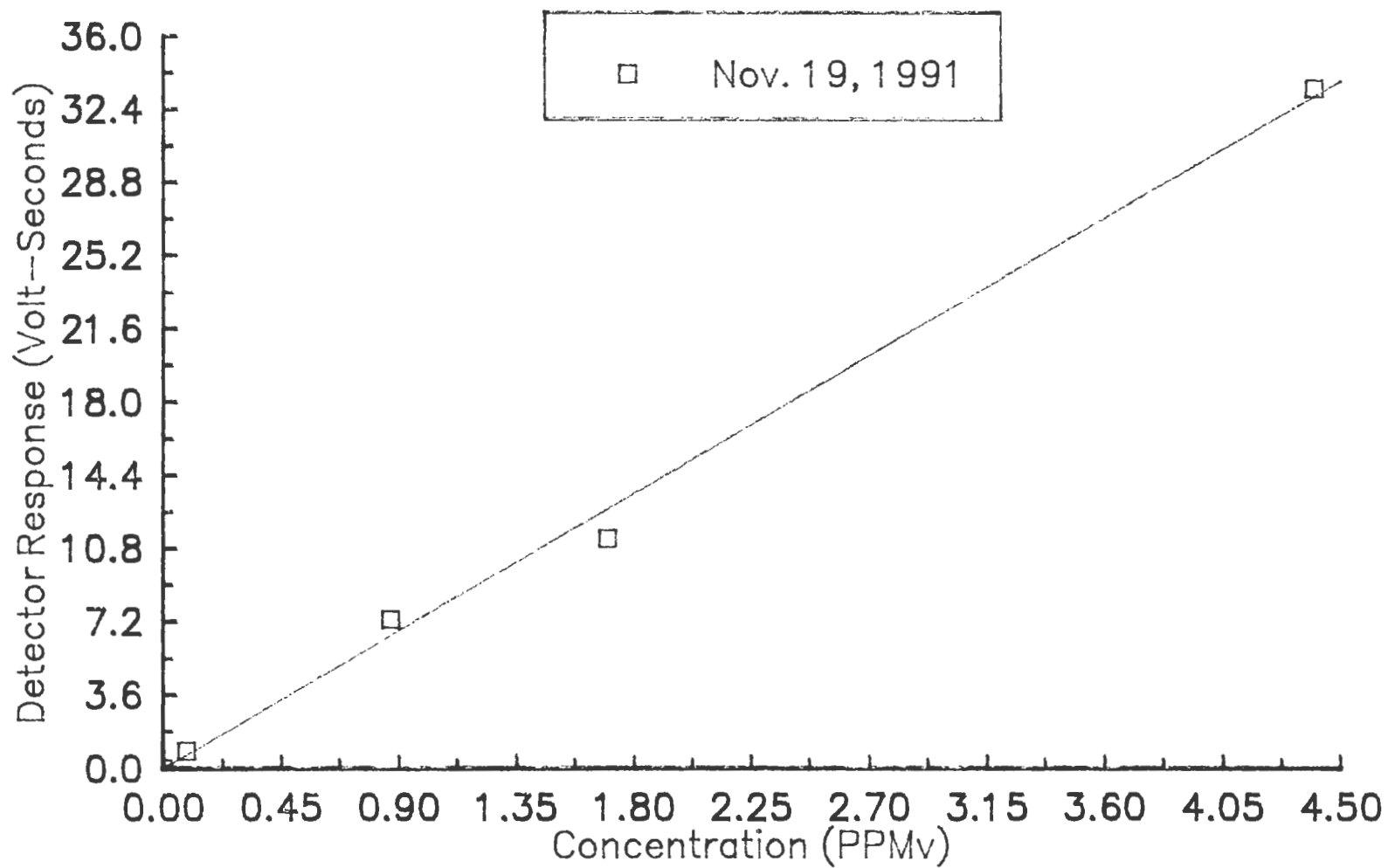
Photovac Calibration Curve
Trichloroethene



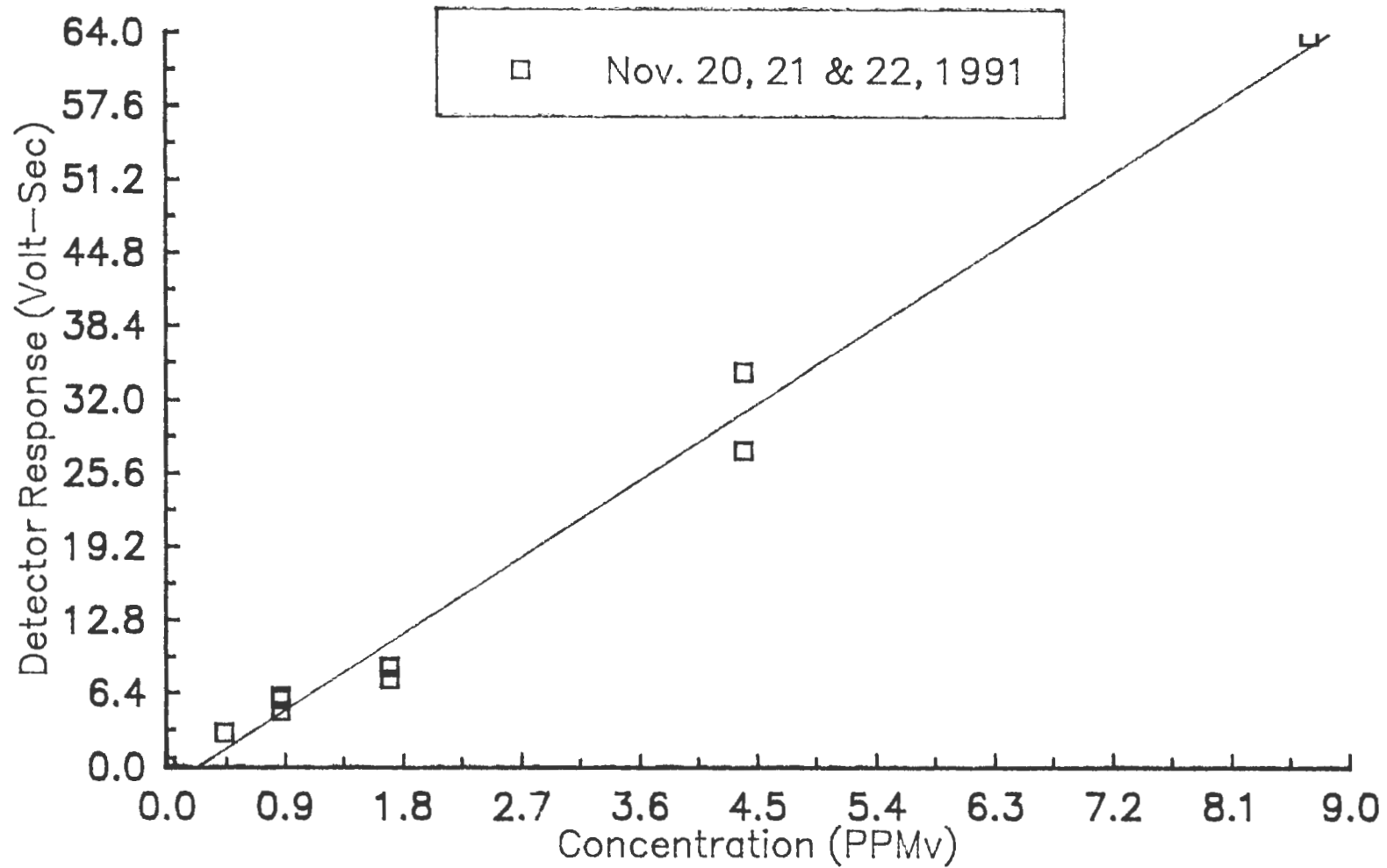
Photovac Calibration Curve
Trichloroethene



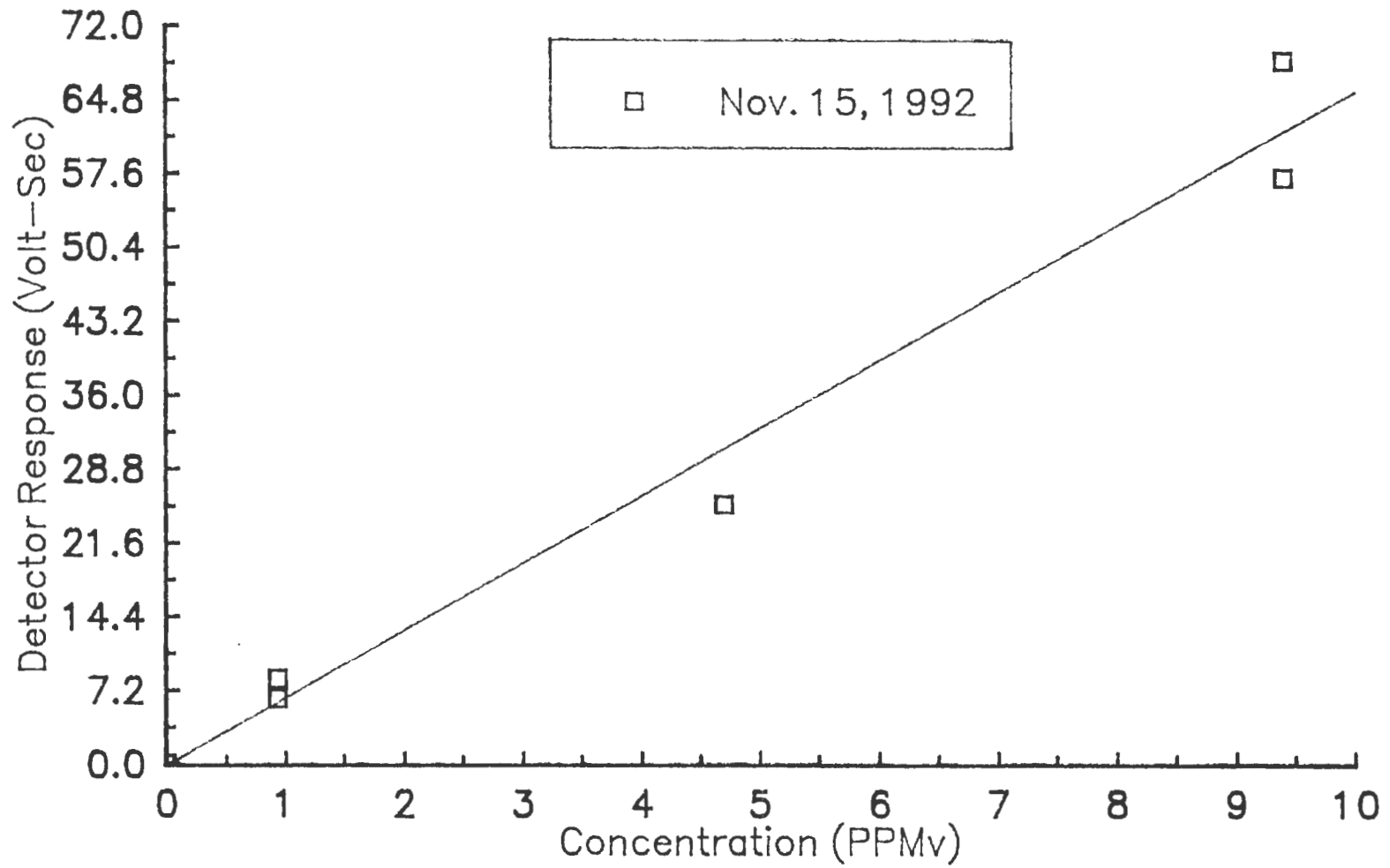
Photovac Calibration Curve
Trichloroethene



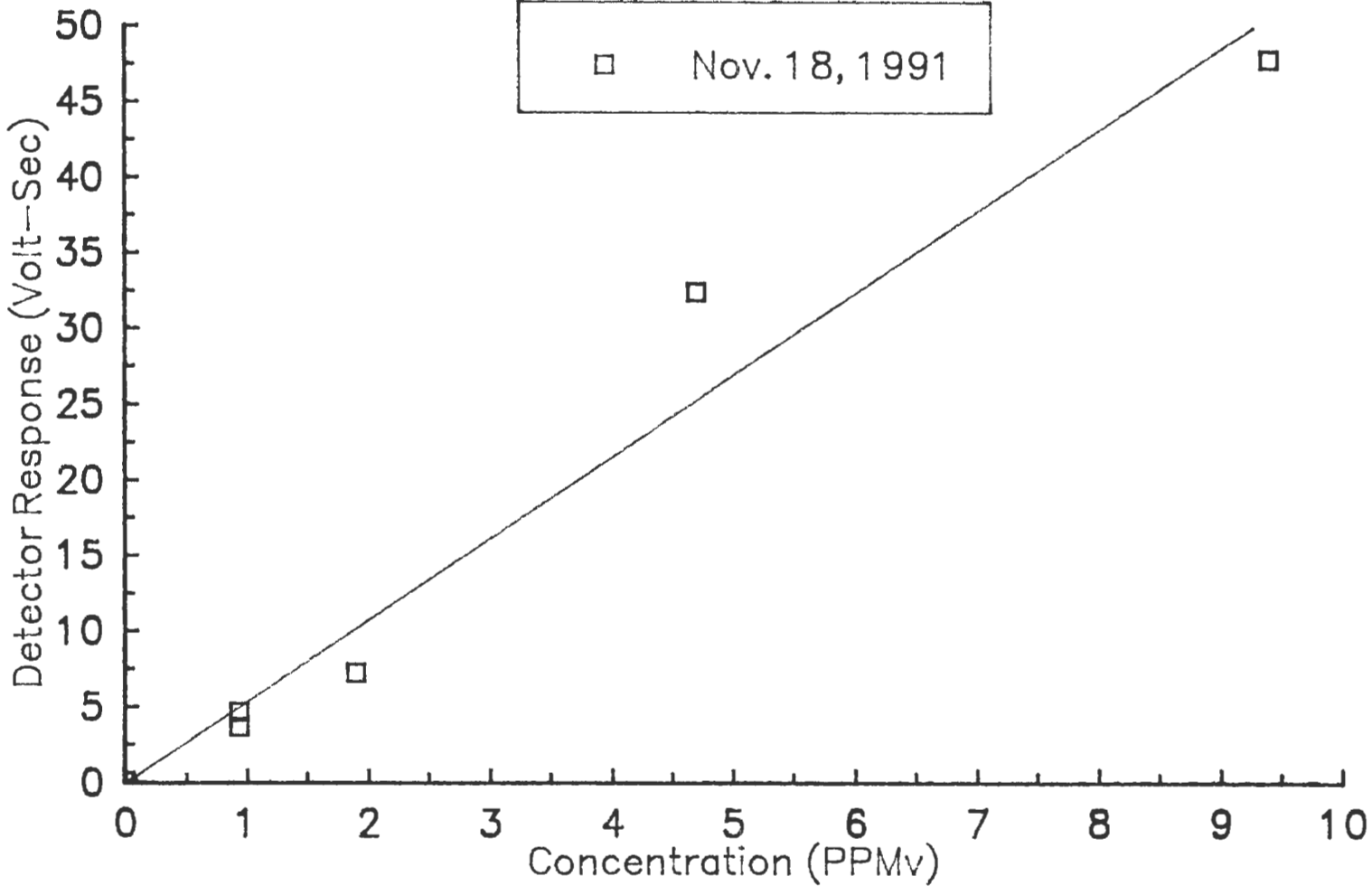
Photovac Calibration Curve
Trichloroethene



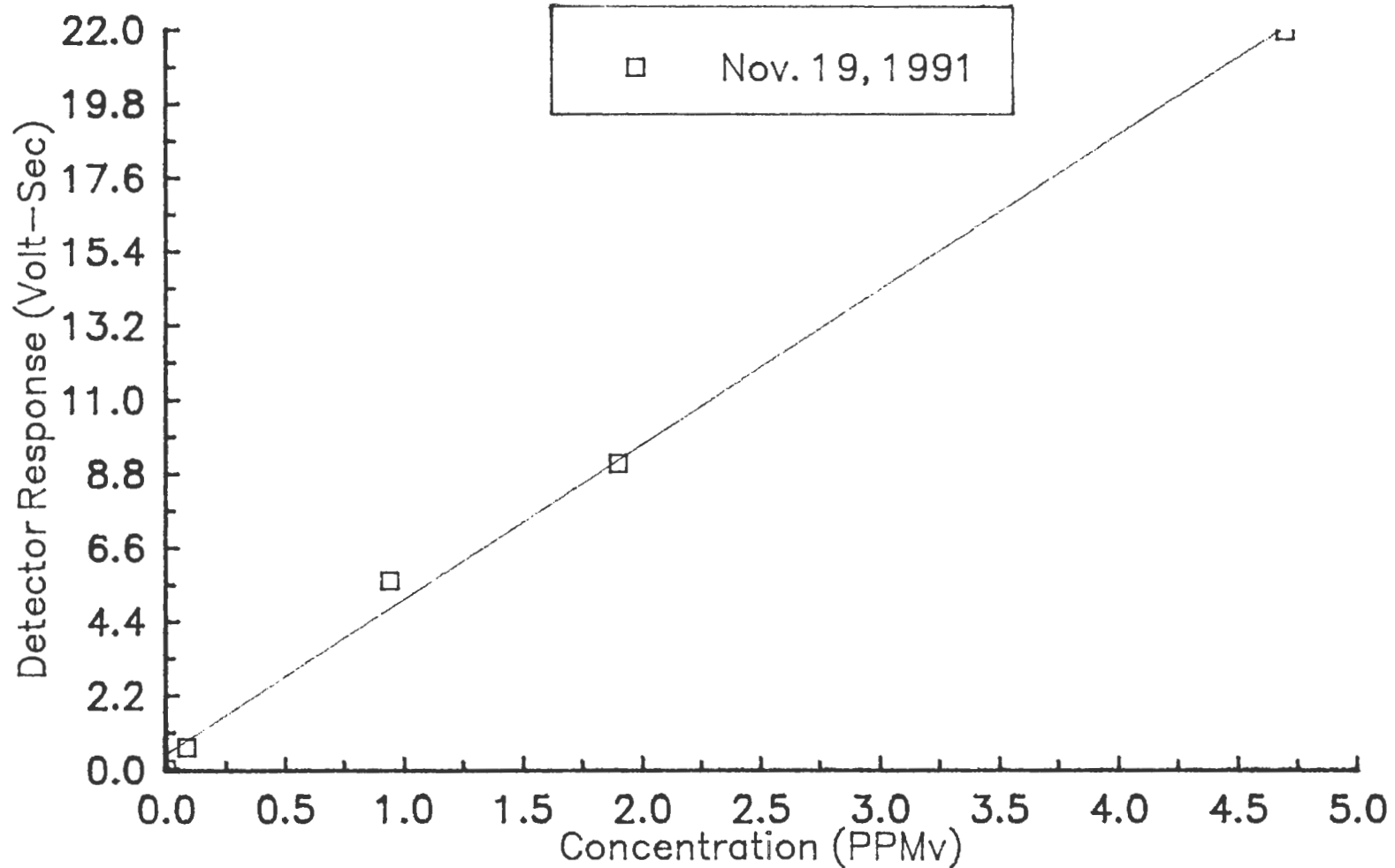
Photovac Calibration Curve Benzene



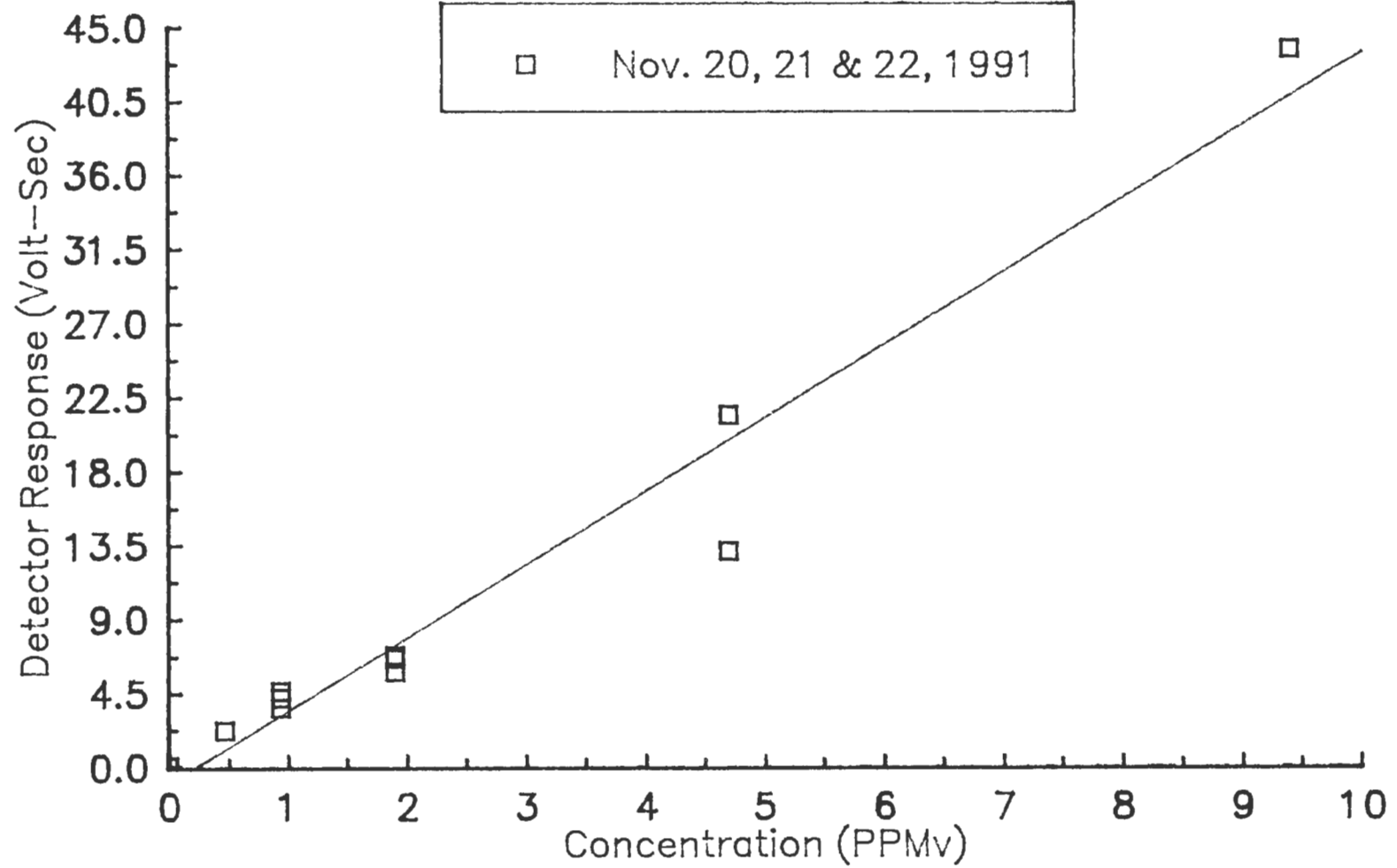
Photovac Calibration Curve Benzene



Photovac Calibration Curve Benzene



Photovac Calibration Curve Benzene



Seneca Army Depot Ash Landfill Soil Gas Survey Calibration Curves for Trichloroethylene

Soil Gas Calibration Curves
November 15 & 16, 1991
Photovac Gas Chromatograph

Trichloroethylene (TCE)	
X Variable	Y Variable
0	0
87.8	8.7
81.9	8.7
30.4	4.4
9.8	0.87
7.7	0.87

Regression Output:	
Constant	0
Std Err of Y Est	0.595
R Squared	0.978
No. of Observations	6
Degrees of Freedom	5
X Coefficient(s)	0.105
Std Err of Coef.	0.005

Soil Gas Calibration Curves
November 18, 1991
Photovac Gas Chromatograph

Trichloroethylene (TCE)	
X Variable	Y Variable
0	0
64.3	8.7
48	4.4
9.3	1.7
6.2	0.87
4.6	0.87

Regression Output:	
Constant	0
Std Err of Y Est	0.809
R Squared	0.939
No. of Observations	6
Degrees of Freedom	5
X Coefficient(s)	0.121
Std Err of Coef.	0.01

Soil Gas Calibration Curves
November 19, 1991
Photovac Gas Chromatograph

Trichloroethylene (TCE)	
X Variable	Y Variable
0	0
33.5	4.4
11.3	1.7
7.3	0.87
0.85	0.09

Regression Output:	
Constant	0
Std Err of Y Est	0.115
R Squared	0.996
No. of Observations	5
Degrees of Freedom	4
X Coefficient(s)	0.133
Std Err of Coef.	0.003

Soil Gas Calibration Curves
November 20, 21, 22, 1991
Photovac Gas Chromatograph

Trichloroethylene (TCE)	
X Variable	Y Variable
0	0
63.9	8.7
34.4	4.4
27.6	4.4
8.6	1.7
8.7	1.7
7.6	1.7
6.1	0.87
5.8	0.87
4.8	0.87
2.9	0.44

Regression Output:	
Constant	0
Std Err of Y Est	0.38
R Squared	0.978
No. of Observations	11
Degrees of Freedom	10
X Coefficient(s)	0.14
Std Err of Coef.	0.005

Seneca Army Depot Ash Landfill Soil Gas Survey Calibration Curves for Dichloroethylene

Soil Gas Calibration Curves
November 15 & 16, 1991
Photovac Gas Chromatograph

Dichloroethylene (DCE)	
X Variable	Y Variable
0	0
35.7	9.1
40.2	9.1
16.1	4.6
7.7	0.91
5.2	0.91
Regression Output:	
Constant	0
Std Err of Y Est	0.651
R Squared	0.976
No. of Observations	6
Degrees of Freedom	5
X Coefficient(s)	0.239
Std Err of Coef.	0.011

Soil Gas Calibration Curves
November 18, 1991
Photovac Gas Chromatograph

Dichloroethylene (DCE)	
X Variable	Y Variable
0	0
30.8	9.1
19.3	4.6
6.1	1.8
3.8	0.91
3.2	0.91
Regression Output:	
Constant	0
Std Err of Y Est	0.425
R Squared	0.985
No. of Observations	6
Degrees of Freedom	5
X Coefficient(s)	0.279
Std Err of Coef.	0.011

Soil Gas Calibration Curves
November 19, 1991
Photovac Gas Chromatograph

Dichloroethylene (DCE)	
X Variable	Y Variable
0	0
15.8	4.6
7.9	1.8
4.7	0.91
0.5	0.09
Regression Output:	
Constant	0
Std Err of Y Est	0.296
R Squared	0.975
No. of Observations	5
Degrees of Freedom	4
X Coefficient(s)	0.273
Std Err of Coef.	0.016

Soil Gas Calibration Curves
November 20, 21, 22, 1991
Photovac Gas Chromatograph

Dichloroethylene (DCE)	
X Variable	Y Variable
0	0
31	9.1
15.8	4.6
14.4	4.6
6.8	1.8
5.8	1.8
5.7	1.8
4	0.91
3.5	0.91
3	0.91
2.1	0.45
Regression Output:	
Constant	0
Std Err of Y Est	0.176
R Squared	0.995
No. of Observations	11
Degrees of Freedom	10
X Coefficient(s)	0.295
Std Err of Coef.	0.004

Seneca Army Depot Ash Landfill Soil Gas Survey Calibration Curves for Benzene

Soil Gas Calibration Curves
November 15 & 16, 1991
Photovac Gas Chromatograph

Benzene	
X Variable	Y Variable
0	0
68.8	9.4
57.3	9.4
25.4	4.7
8.3	0.94
6.4	0.94
Regression Output:	
Constant	0
Std Err of Y Est	0.689
R Squared	0.974
No. of Observations	6
Degrees of Freedom	5
X Coefficient(s)	0.15
Std Err of Coef.	0.007

Soil Gas Calibration Curves
November 18, 1991
Photovac Gas Chromatograph

Benzene	
X Variable	Y Variable
0	0
47.9	9.4
32.4	4.7
7.2	1.9
4.6	0.94
3.6	0.94
Regression Output:	
Constant	0
Std Err of Y Est	0.684
R Squared	0.963
No. of Observations	6
Degrees of Freedom	5
X Coefficient(s)	0.182
Std Err of Coef.	0.012

Soil Gas Calibration Curves
November 19, 1991
Photovac Gas Chromatograph

Benzene	
X Variable	Y Variable
0	0
22	4.7
9.1	1.9
5.6	0.94
0.64	0.09
Regression Output:	
Constant	0
Std Err of Y Est	0.127
R Squared	0.995
No. of Observations	5
Degrees of Freedom	4
X Coefficient(s)	0.211
Std Err of Coef.	0.005

Soil Gas Calibration Curves
November 20, 21, 22, 1991
Photovac Gas Chromatograph

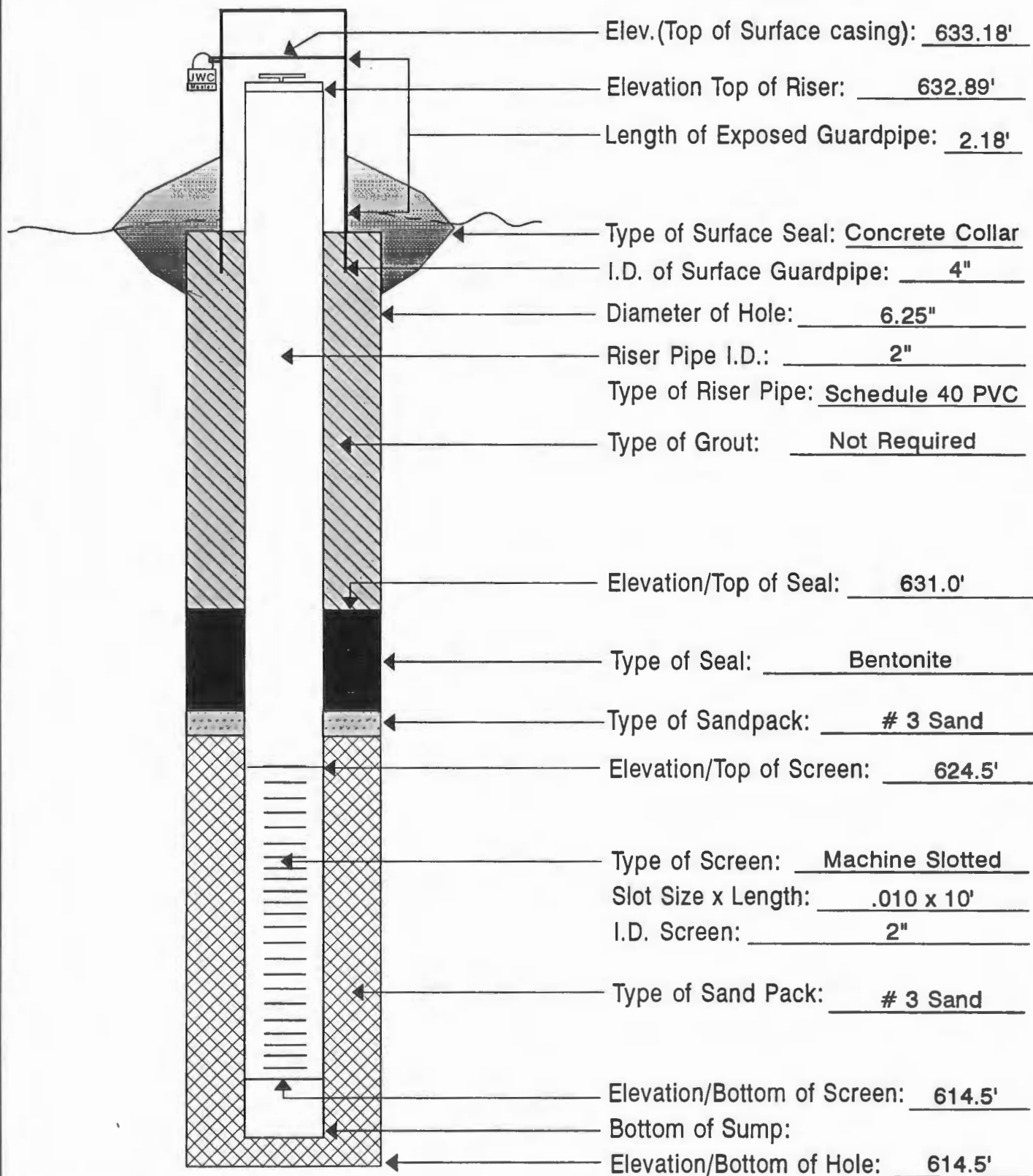
Benzene	
X Variable	Y Variable
0	0
43.7	9.4
21.4	4.7
13.1	4.7
6.6	1.9
6.8	1.9
5.8	1.9
4.6	0.94
4.2	0.94
3.6	0.94
2.2	0.47
Regression Output:	
Constant	0
Std Err of Y Est	0.626
R Squared	0.948
No. of Observations	11
Degrees of Freedom	10
X Coefficient(s)	0.228
Std Err of Coef.	0.012

APPENDIX F

MONITORING WELL INSTALLATION DIAGRAMS

OVERBURDEN MONITORING WELL

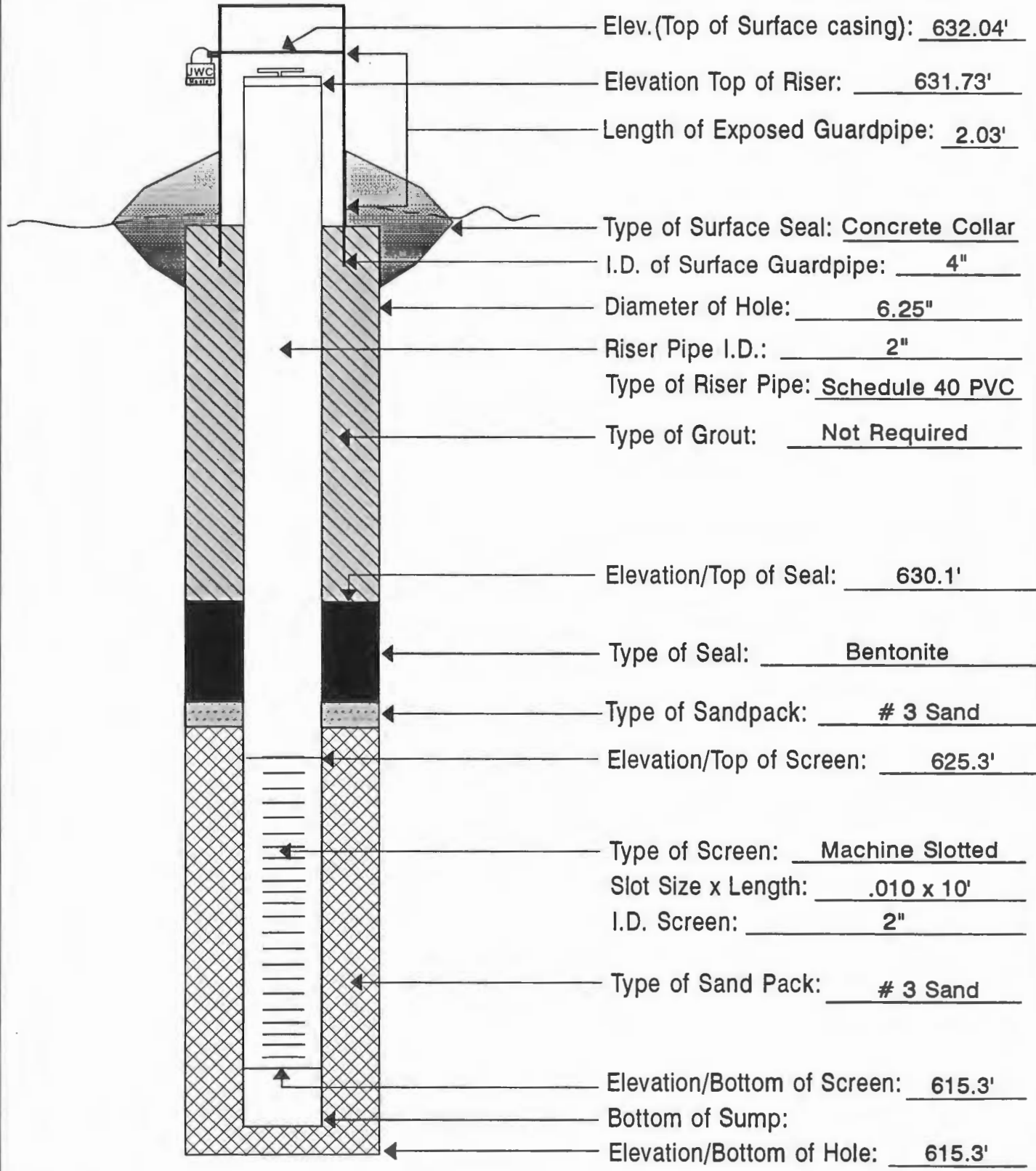
Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	Ash Landfill (MW-34)	Drilling Method	Hollow Stem Auger
Date	October 24, 1991	Development Method	Teflon Bailer



- Elev.(Top of Surface casing): 633.18'
- Elevation Top of Riser: 632.89'
- Length of Exposed Guardpipe: 2.18'
- Type of Surface Seal: Concrete Collar
- I.D. of Surface Guardpipe: 4"
- Diameter of Hole: 6.25"
- Riser Pipe I.D.: 2"
- Type of Riser Pipe: Schedule 40 PVC
- Type of Grout: Not Required
- Elevation/Top of Seal: 631.0'
- Type of Seal: Bentonite
- Type of Sandpack: # 3 Sand
- Elevation/Top of Screen: 624.5'
- Type of Screen: Machine Slotted
- Slot Size x Length: .010 x 10'
- I.D. Screen: 2"
- Type of Sand Pack: # 3 Sand
- Elevation/Bottom of Screen: 614.5'
- Bottom of Sump:
- Elevation/Bottom of Hole: 614.5'

OVERBURDEN MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	Ash Landfill (MW-36)	Drilling Method	Hollow Stem Auger
Date	October 30, 1991	Development Method	Teflon Bailer



Elev.(Top of Surface casing): 632.04'

Elevation Top of Riser: 631.73'

Length of Exposed Guardpipe: 2.03'

Type of Surface Seal: Concrete Collar

I.D. of Surface Guardpipe: 4"

Diameter of Hole: 6.25"

Riser Pipe I.D.: 2"

Type of Riser Pipe: Schedule 40 PVC

Type of Grout: Not Required

Elevation/Top of Seal: 630.1'

Type of Seal: Bentonite

Type of Sandpack: # 3 Sand

Elevation/Top of Screen: 625.3'

Type of Screen: Machine Slotted

Slot Size x Length: .010 x 10'

I.D. Screen: 2"

Type of Sand Pack: # 3 Sand

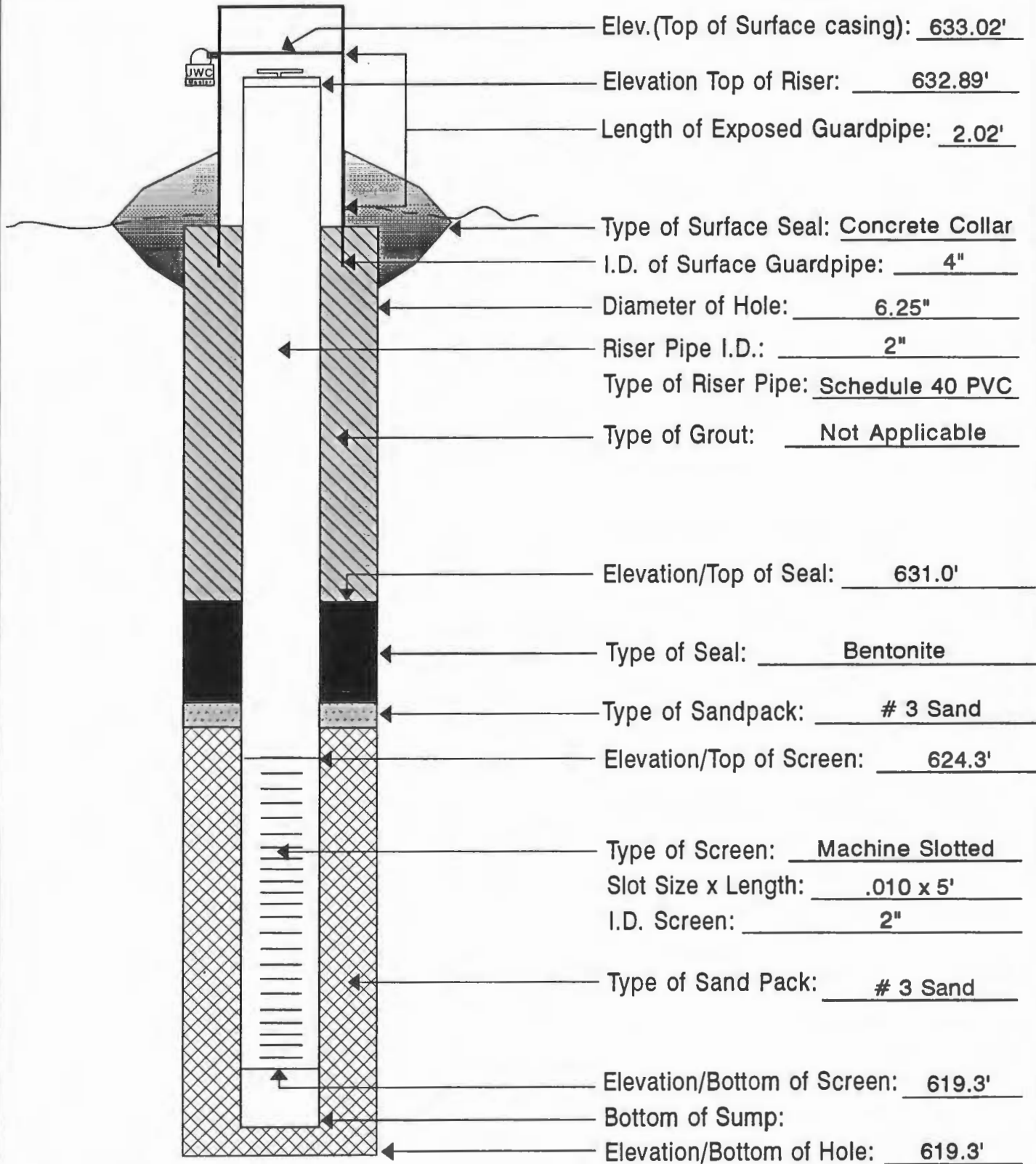
Elevation/Bottom of Screen: 615.3'

Bottom of Sump:

Elevation/Bottom of Hole: 615.3'

OVERBURDEN MONITORING WELL

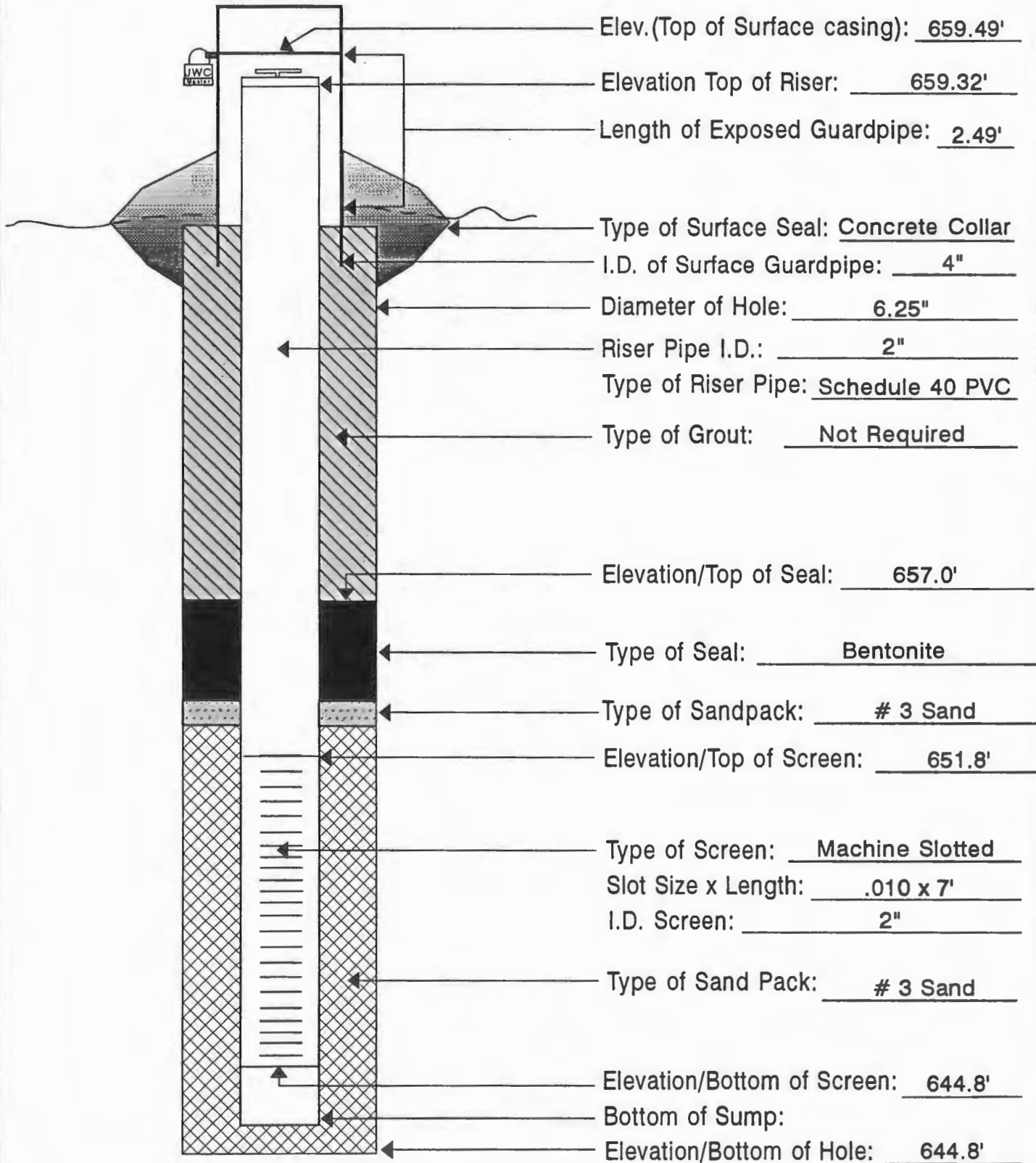
Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	Ash Landfill (MW-37)	Drilling Method	Hollow Stem Auger
Date	October 25, 1991	Development Method	Teflon Bailer



- Elev.(Top of Surface casing): 633.02'
- Elevation Top of Riser: 632.89'
- Length of Exposed Guardpipe: 2.02'
- Type of Surface Seal: Concrete Collar
- I.D. of Surface Guardpipe: 4"
- Diameter of Hole: 6.25"
- Riser Pipe I.D.: 2"
- Type of Riser Pipe: Schedule 40 PVC
- Type of Grout: Not Applicable
- Elevation/Top of Seal: 631.0'
- Type of Seal: Bentonite
- Type of Sandpack: # 3 Sand
- Elevation/Top of Screen: 624.3'
- Type of Screen: Machine Slotted
- Slot Size x Length: .010 x 5'
- I.D. Screen: 2"
- Type of Sand Pack: # 3 Sand
- Elevation/Bottom of Screen: 619.3'
- Bottom of Sump:
- Elevation/Bottom of Hole: 619.3'

OVERBURDEN MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	Ash Landfill (MW-40)	Drilling Method	Hollow Stem Auger
Date	October 29, 1991	Development Method	Teflon Bailer



Elev.(Top of Surface casing): 659.49'

Elevation Top of Riser: 659.32'

Length of Exposed Guardpipe: 2.49'

Type of Surface Seal: Concrete Collar

I.D. of Surface Guardpipe: 4"

Diameter of Hole: 6.25"

Riser Pipe I.D.: 2"

Type of Riser Pipe: Schedule 40 PVC

Type of Grout: Not Required

Elevation/Top of Seal: 657.0'

Type of Seal: Bentonite

Type of Sandpack: # 3 Sand

Elevation/Top of Screen: 651.8'

Type of Screen: Machine Slotted

Slot Size x Length: .010 x 7'

I.D. Screen: 2"

Type of Sand Pack: # 3 Sand

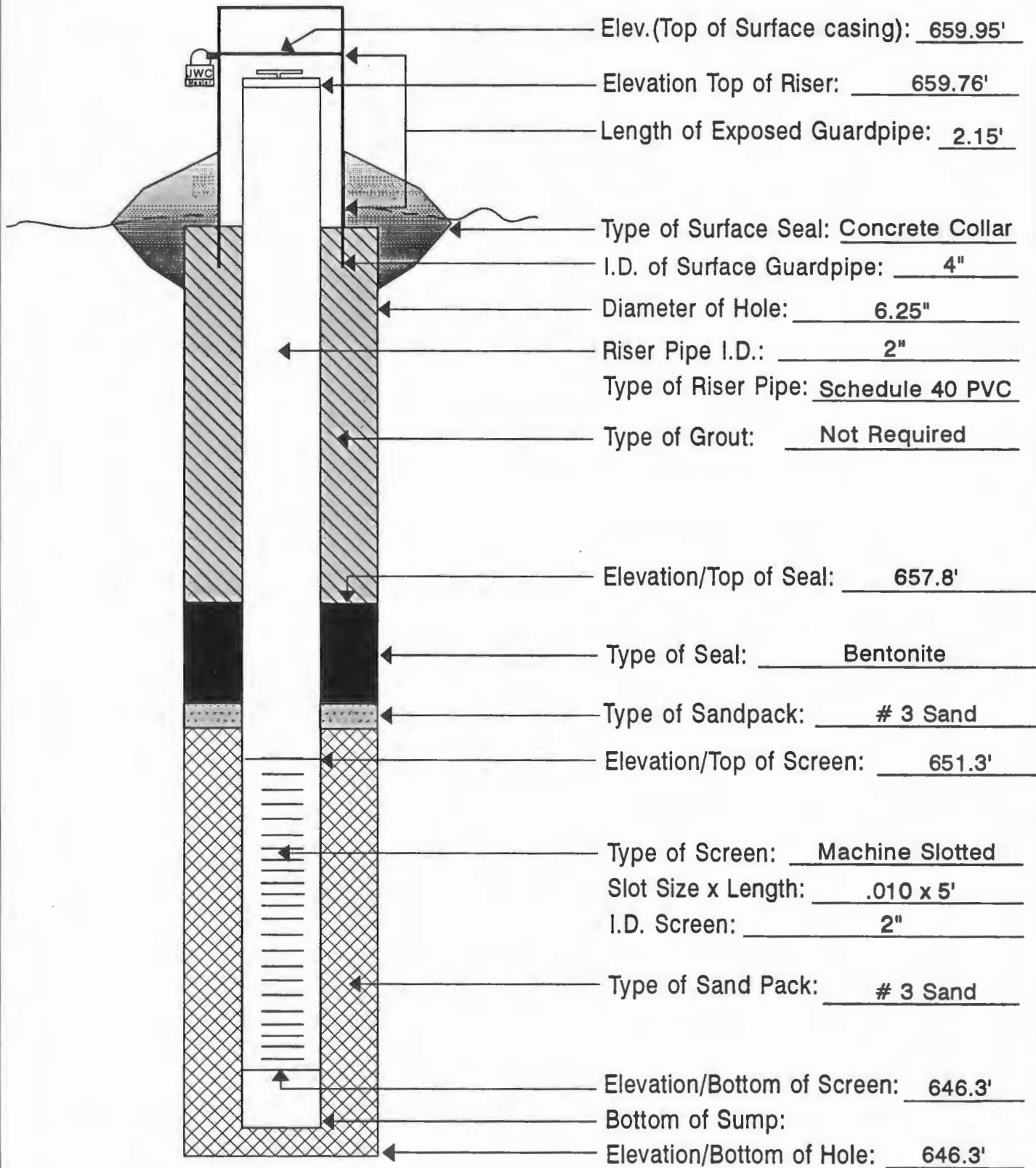
Elevation/Bottom of Screen: 644.8'

Bottom of Sump:

Elevation/Bottom of Hole: 644.8'

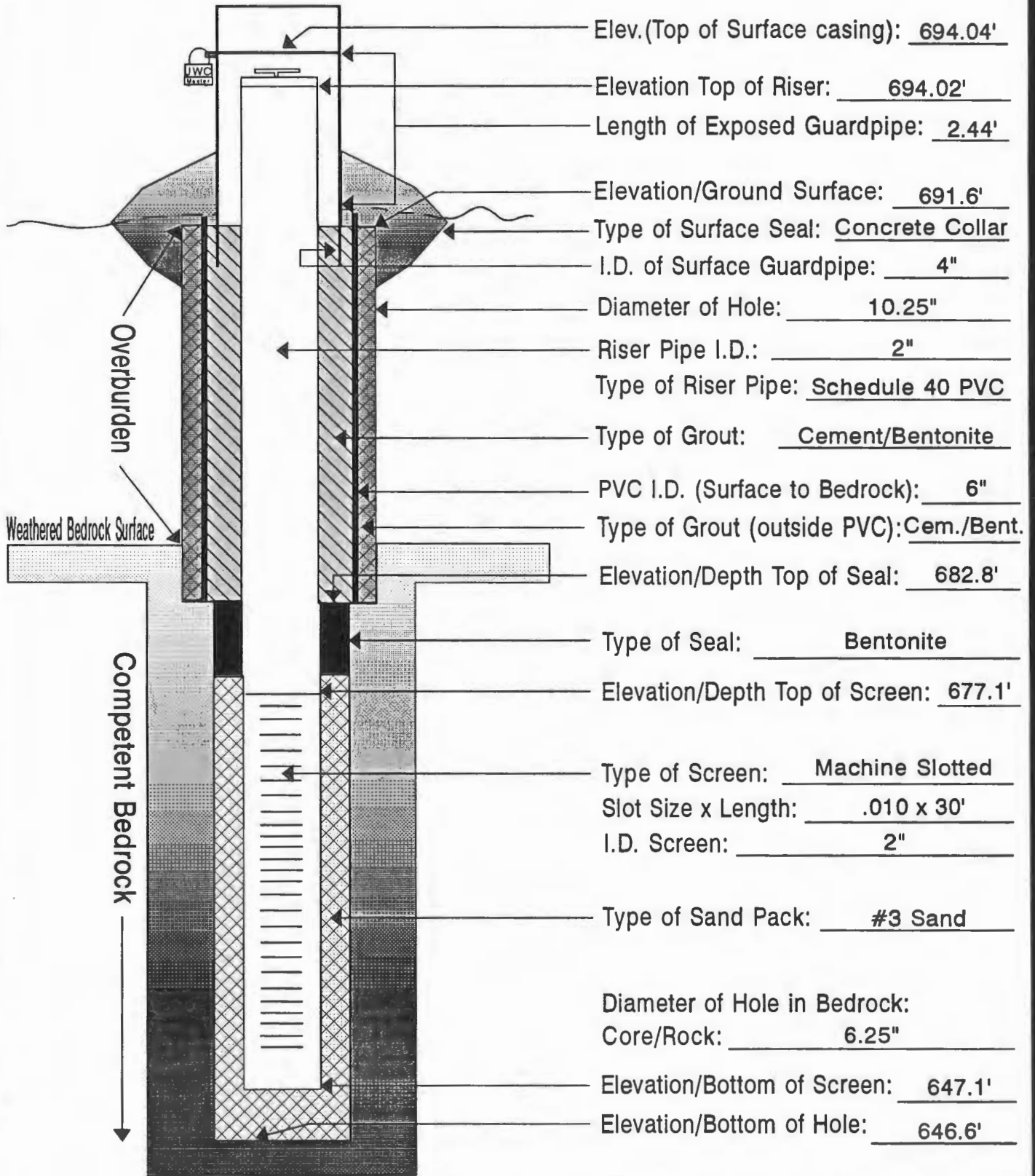
OVERBURDEN MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	Ash Landfill (MW-39)	Drilling Method	Hollow Stem Auger
Date	October 28, 1991	Development Method	Teflon Bailer



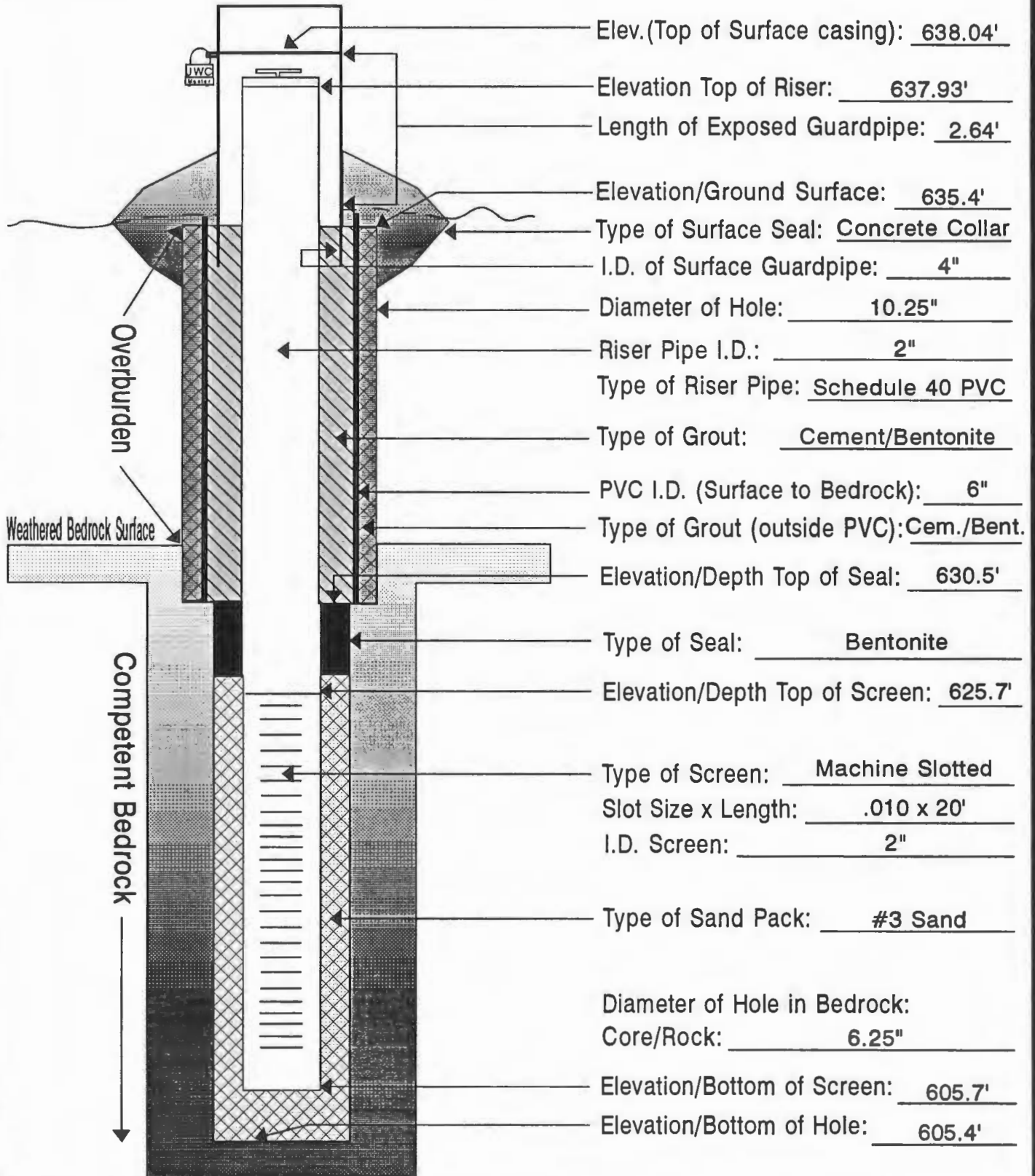
BEDROCK MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	Ash Landfill (MW-41D)	Drilling Method	Hol.Stem Auger/Air Rotary
Date	November 6, 1991	Development Method	Teflon Bailer



BEDROCK MONITORING WELL

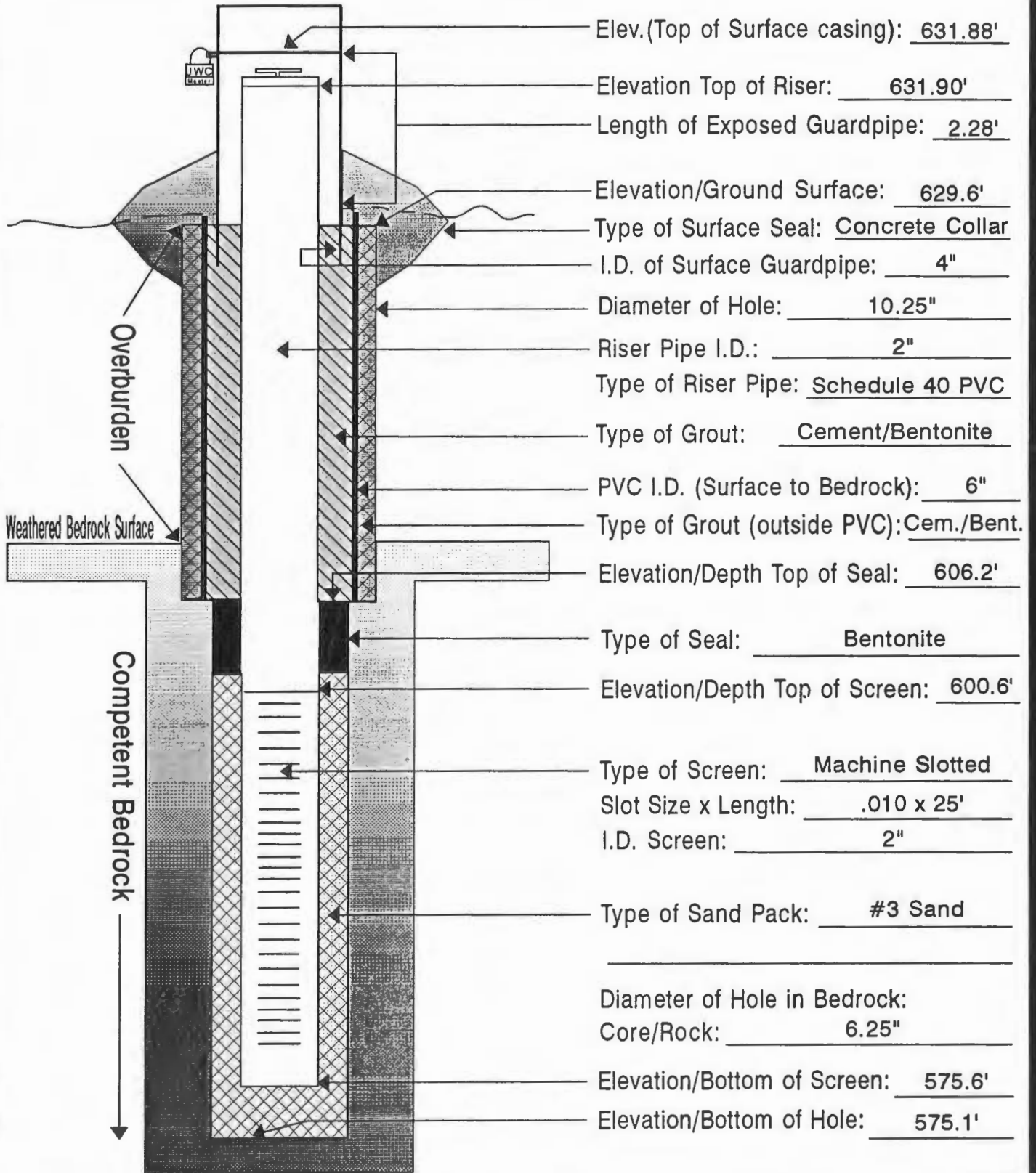
Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	Ash Landfill (MW-38D)	Drilling Method	Hol.Stem Auger/Air Rotary
Date	November 6, 1991	Development Method	Teflon Bailer



- Elev.(Top of Surface casing): 638.04'
- Elevation Top of Riser: 637.93'
- Length of Exposed Guardpipe: 2.64'
- Elevation/Ground Surface: 635.4'
- Type of Surface Seal: Concrete Collar
- I.D. of Surface Guardpipe: 4"
- Diameter of Hole: 10.25"
- Riser Pipe I.D.: 2"
- Type of Riser Pipe: Schedule 40 PVC
- Type of Grout: Cement/Bentonite
- PVC I.D. (Surface to Bedrock): 6"
- Type of Grout (outside PVC): Cem./Bent.
- Elevation/Depth Top of Seal: 630.5'
- Type of Seal: Bentonite
- Elevation/Depth Top of Screen: 625.7'
- Type of Screen: Machine Slotted
- Slot Size x Length: .010 x 20'
- I.D. Screen: 2"
- Type of Sand Pack: #3 Sand
- Diameter of Hole in Bedrock:
Core/Rock: 6.25"
- Elevation/Bottom of Screen: 605.7'
- Elevation/Bottom of Hole: 605.4'

BEDROCK MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	Ash Landfill (MW-35D)	Drilling Method	Hol.Stem Auger/Air Rotary
Date	November 5, 1991	Development Method	Teflon Bailer



Elev.(Top of Surface casing): 631.88'

Elevation Top of Riser: 631.90'

Length of Exposed Guardpipe: 2.28'

Elevation/Ground Surface: 629.6'

Type of Surface Seal: Concrete Collar

I.D. of Surface Guardpipe: 4"

Diameter of Hole: 10.25"

Riser Pipe I.D.: 2"

Type of Riser Pipe: Schedule 40 PVC

Type of Grout: Cement/Bentonite

PVC I.D. (Surface to Bedrock): 6"

Type of Grout (outside PVC): Cem./Bent.

Elevation/Depth Top of Seal: 606.2'

Type of Seal: Bentonite

Elevation/Depth Top of Screen: 600.6'

Type of Screen: Machine Slotted

Slot Size x Length: .010 x 25'

I.D. Screen: 2"

Type of Sand Pack: #3 Sand

Diameter of Hole in Bedrock:

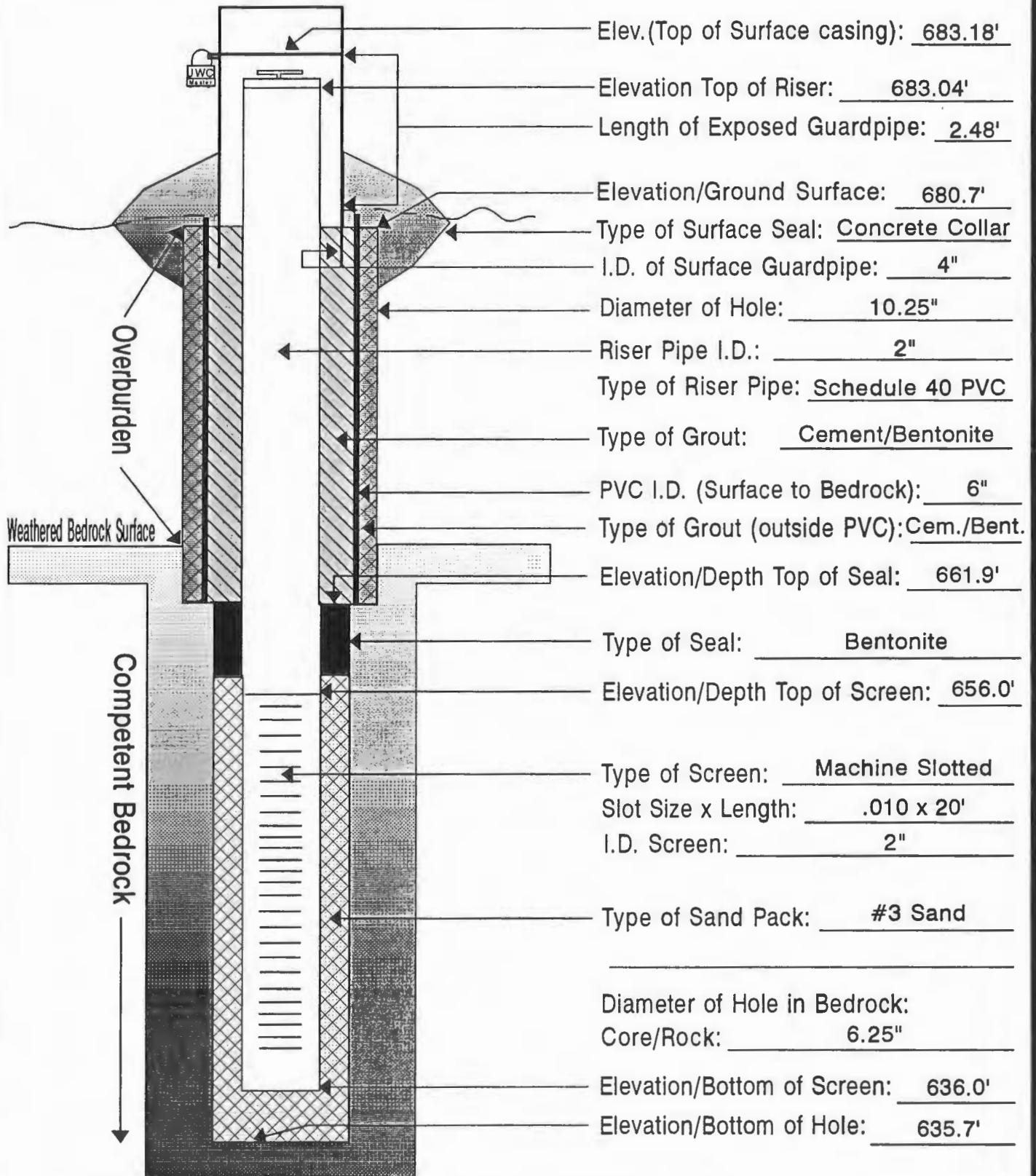
Core/Rock: 6.25"

Elevation/Bottom of Screen: 575.6'

Elevation/Bottom of Hole: 575.1'

BEDROCK MONITORING WELL

Project	Seneca Army Depot	Driller	Empire Soils, Inc.
Location	Ash Landfill (MW-42D)	Drilling Method	Hol.Stem Auger/Air Rotary
Date	November 8, 1991	Development Method	Teflon Bailer



APPENDIX G

WELL DEVELOPMENT INFORMATION

**SENECA ARMY DEPOT
ASH LANDFILL**

MONITORING WELL DEVELOPMENT SUMMARY

MONITORING WELL NUMBER	VOLUME REMOVED (GALLONS)	TEMPERATURE INIT/FINAL (°C)	NTU INIT/FINAL (NTU)	PH INIT/FINAL (pH UNITS)	CONDUCTIVITY INIT/FINAL (µMHO)
MW-34	80	10.1 / 9.5	> 100 / > 100	7.67 / 7.80	485 / 455
MW-35D	35	-	> 100 / > 100	8.21 / 8.18	320 / 340
MW-36	30	-	> 100 / > 100	7.81 / 7.72	455 / 500
MW-37	85	9.1 / 9.2	> 100 / > 100	7.56 / 7.67	420 / 430
MW-38D	110	8.8 / 8.5	> 100 / 65	7.70 / 7.90	395 / 370
MW-39	70	6.5 / 8.2	> 100 / 95	7.67 / 7.50	320 / 490
MW-40	50	10.2 / 9.6	> 100 / > 100	7.69 / 7.77	455 / 390
MW-41D	50	- / 7.8	- / 90	- / 7.67	- / 435
MW-42D	50	9.6 / 8	> 100 / 15	8.1 / 7.96	300 / 420

APPENDIX H

- AMPHIBIANS AND REPTILES
- BIRDS
- MAMMALS

AMPHIBIANS AND REPTILES

**AMPHIBIANS AND REPTILES POSSIBLY OCCURRING
IN THE 0.5-MILE STUDY AREA**

COMMON NAME

SCIENTIFIC NAME

AMPHIBIANS

Red-spotted Newt**	<u>Notophthalmus viridescens</u>
Jefferson Salamander*	<u>Ambystoma jeffersonianum</u>
Spotted Salamander*	<u>Ambystoma maculatum</u>
Northern Dusky Salamander*	<u>Desmognathus fuscus</u>
Northern Two-lined Salamander	<u>Eurycea bislineta</u>
Northern Spring Salamander*	<u>Gyrinophilus porphyriticus</u>
Four-toed Salamander*	<u>Hemidactylium scutatum</u>
Red-backed Salamander*	<u>Plethodon cinereus</u>
Slimy Salamander	<u>Plethodon glutinosus</u>
American Toad**	<u>Bufo americanus</u>
Spring Peeper*	<u>Hyla crucifer</u>
Gray Treefrog	<u>Hyla versicolor</u> and <u>H. chrysoscelis</u>
Green Frog**	<u>Rana clamitans</u>
Bullfrog**	<u>Rana catesbeiana</u>
Pickeral Frog*	<u>Rana palustris</u>
Northern Leopard Frog*	<u>Rana pipiens</u>
Wood Frog*	<u>Rana sylvatica</u>

REPTILES

Spotted Turtle*	<u>Clemmys guttata</u>
Wood Turtle*	<u>Clemmys insculpta</u>
Midland Painted Turtle*	<u>Chrysemys picta</u>
Northern Water Snake*	<u>Natrix sipedon</u>
Eastern Garter Snake**	<u>Thamnophis sirtalis</u>
Northern Ribbon Snake*	<u>Thamnophis sauritus</u>
Northern Red-bellied Snake*	<u>Storeria occliptomaculata</u>
Northern Brown Snake*	<u>Storeria dekayi</u>
Northern Ringneck Snake*	<u>Diadophis punctatus</u>
Eastern Smooth Green Snake*	<u>Opheodrys vernalis</u>
Northern Black Racer*	<u>Coluber constrictor</u>
Black Rat Snake*	<u>Elaphe obsoleta</u>
Eastern Milk Snake*	<u>Lampropeltis triangulum</u>

* Species known to occur at the nearby Montezuma Wildlife Refuge according to U.S. Fish and Wildlife Service and N.Y. State Department of Environmental Conservation (1991).

** Species known to occur at Depot (U.S. AEHA 1980), in addition to Montezuma Wildlife Refuge.

BIRDS

BIRD SPECIES POSSIBLY OCCURRING IN THE 0.5-MILE STUDY AREA

COMMON NAME

SCIENTIFIC NAME

American Bittern*	<u>Botaurus lentiginosus</u>
Least Bittern*	<u>Ixobrychus exilis</u>
Great Blue Heron*	<u>Ardea herodias</u>
Great Egret	<u>Casmerodius albus</u>
Snowy Egret	<u>Egretta thula</u>
Little Blue Heron	<u>Florida caeruea</u>
Green-backed Heron	<u>Butorides striatus</u>
Black-crowned Night Heron	<u>Nycitricorax nycitricorax</u>
Canada Goose*	<u>Branta canadensis</u>
Wood Duck*	<u>Aix sponsa</u>
Green-winged Teal	<u>Anas crecca</u>
American Black Duck	<u>Anas rubripes</u>
Mallard*	<u>Anas platyrhynchos</u>
Northern Pintail	<u>Anas acuta</u>
Blue-winged Teal*	<u>Anas discors</u>
Northern Shoveler	<u>Anas clypeata</u>
Gadwall	<u>Anas strepera</u>
American Widgeon	<u>Anas wigeon</u>
Turkey Vulture*	<u>Cathartes aura</u>
Northern Harrier*	<u>Circus cyaneus</u>
Sharp-shinned Hawk	<u>Accipiter striatus</u>
Cooper's Hawk	<u>Accipiter cooperii</u>
Northern Goshawk*	<u>Accipiter gentilis</u>
Red-shouldered Hawk*	<u>Buteo lineatus</u>
Broad-winged Hawk	<u>Buteo platypterus</u>
Red-tailed Hawk*	<u>Buteo jamaicensis</u>
Rough-legged Hawk	<u>Buteo lagopus</u>
American Kestrel*	<u>Falco sparverius</u>
Ring-necked Pheasant*	<u>Phasianus colchicus</u>
Ruffed Grouse	<u>Bonasa umbellus</u>
Wild Turkey*	<u>Melegris gallopavo</u>
Virginia Rail	<u>Rallus limicola</u>
Sora	<u>Porzana carolina</u>
Killdeer*	<u>Charadrius vociferus</u>

BIRD SPECIES POSSIBLY OCCURRING IN THE 0.5-MILE STUDY AREA
(Continued)

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
Spotted Sandpiper*	<u>Actitis macularia</u>
Upland Sandpiper*	<u>Bartramia longicauda</u>
Common Snipe*	<u>Capella gallinago</u>
American Woodcock*	<u>Philohela minor</u>
Ring-billed Gull	<u>Larus delawarensis</u>
Herring Gull	<u>Larus argentatus</u>
Greater Black-backed Gull	<u>Larus marinus</u>
Rock Dove*	<u>Columba livia</u>
Mourning Dove*	<u>Zenaida macroura</u>
Black-billed Cuckoo*	<u>Coccyzus erythrophthalmus</u>
Yellow-billed Cuckoo	<u>Coccyzus americanus</u>
Common Barn Owl*	<u>Tyto alba</u>
Eastern Screech Owl*	<u>Otus asio</u>
Great Horned Owl*	<u>Bubo virginianus</u>
Snowy Owl	<u>Nyctea scandiaca</u>
Barrred Owl	<u>Strix varia</u>
Short-eared Owl	<u>Asio flammeus</u>
Long-eared Owl	<u>Asio otus</u>
Common Nighthawk*	<u>Chordeiles minor</u>
Whip-poor-will	<u>Caprimulgus vociferus</u>
Chimney Swift*	<u>Chaetura pelagica</u>
Ruby-throated Hummingbird*	<u>Archilochus colubris</u>
Belted Kingfisher*	<u>Megaceryle alcyon</u>
Red-headed Woodpecker*	<u>Melanerpes erythrocephalus</u>
Red-bellied Woodpecker*	<u>Melanerpes carolinus</u>
Yellow-bellied Sapsucker	<u>Sphyrapicus varius</u>
Downy Woodpecker*	<u>Picoides pubescens</u>
Hairy Woodpecker*	<u>Picoides villosus</u>
Common Flicker*	<u>Colaptes auratus</u>
Pileated Woodpecker*	<u>Dryocopus pileatus</u>
Eastern Wood Pewee*	<u>Contopus virens</u>
Acadian Flycatcher	<u>Empidonax virescens</u>
Alder Flycatcher	<u>Empidonax alnorum</u>
Willow Flycatcher*	<u>Empidonax traillii</u>
Least Flycatcher*	<u>Empidonax minimus</u>
Eastern Phoebe*	<u>Sayornis phoebe</u>
Great Crested Flycatcher*	<u>Myiarchus crinitus</u>
Eastern Kingbird*	<u>Tyrannus tyrannus</u>
Horned Lark*	<u>Eremophila alpestris</u>
Purple Martin*	<u>Progne subis</u>

BIRD SPECIES POSSIBLY OCCURRING IN THE 0.5-MILE STUDY AREA
(Continued)

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
Tree Swallow*	<u>Stelgidopteryx ruficollis</u>
Northern Rough-winged Swallow*	<u>Riparia riparia</u>
Bank Swallow	<u>Petrochelidon pyrrhonota</u>
Cliff Swallow	<u>Hirundo rustica</u>
Barn Swallow*	<u>Cyanocitta cristata</u>
Blue Jay*	<u>Corvus brachyrhynchos</u>
American Crow*	<u>Parus atricapillus</u>
Black-capped Chickadee*	<u>Parus bicolor</u>
Tufted Titmouse*	<u>Sitta canadensis</u>
Red-breasted Nuthatch	<u>Sitta carolinensis</u>
White-breasted Nuthatch*	<u>Certhia familiaris</u>
Brown Creeper*	<u>Thryothorus ludovicianus</u>
Carolina Wren*	<u>Troglodytes aedon</u>
House Wren*	<u>Troglodytes troglodytes</u>
Winter Wren	<u>Cistothorus palustris</u>
Marsh Wren*	<u>Regulus satrapa</u>
Golden-crowned Kinglet	<u>Regulus calendula</u>
Ruby-crowned Kinglet	<u>Polioptila caerulea</u>
Blue-gray Gnatcatcher*	<u>Sialia sialis</u>
Eastern Bluebird*	<u>Catharus minimus</u>
Veery*	<u>Catharus fuscescens</u>
Gray-cheeked Thrush	<u>Catharus ustulatus</u>
Swainson's Thrush	<u>Catharus guttatus</u>
Hermit Thrush	<u>Hylocichla mustelina</u>
Wood Thrush*	<u>Turdus migratorius</u>
American Robin*	<u>Dumetella carolenensis</u>
Gray Catbird*	<u>Mimus polyglotto</u>
Northern Mockingbird	<u>Toxostoma rufum</u>
Brown Thrasher*	<u>Anthus spinoletta</u>
Water Pipit	<u>Bombycilla cedrorum</u>
Cedar Waxwing*	<u>Sturnus vulgaris</u>
European Starling*	<u>Vireo solitarius</u>
Solitary Vireo	<u>Vireo flavifrons</u>
Yellow-throated Vireo	<u>Vireo gilvus</u>
Warbling Vireo*	<u>Vireo olivaceus</u>
Red-eyed Vireo*	<u>Vermivora pinus</u>
Blue-winged Warbler*	<u>Vermivora chrysoptera</u>
Golden-winged Warbler	<u>Vermivora peregrina</u>
Tennessee Warbler	<u>Vermivora celata</u>
Orange-crowned Warbler	

BIRD SPECIES POSSIBLY OCCURRING IN THE 0.5-MILE STUDY AREA
(Continued)

COMMON NAME

SCIENTIFIC NAME

Nashville Warbler	<u>Vermivora ruficapilla</u>
Northern Parula	<u>Parula americana</u>
Yellow Warbler*	<u>Dendroica petechia</u>
Chestnut-sided Warbler*	<u>Dendroica pensylvanica</u>
Magnolia Warbler	<u>Dendroica magnolia</u>
Black-throated Blue Warbler	<u>Dendroica caerulescens</u>
Black-throated Green Warbler	<u>Dendroica virens</u>
Blackburnian Warbler	<u>Dendroica fusca</u>
Pine Warbler	<u>Dendroica pinus</u>
Cerulean Warbler	<u>Dendroica caerulea</u>
Black-and-white Warbler*	<u>Mniotilta varia</u>
American Redstart*	<u>Setophaga ruticilla</u>
Ovenbird*	<u>Seiurus aurocapillus</u>
Northern Waterthrush*	<u>Seiurus noveboracensis</u>
Mourning Warbler*	<u>Oporornis philadeplua</u>
Common Yellowthroat*	<u>Geothlypis trichas</u>
Canada Warbler	<u>Wilsonia canadensis</u>
Yellow-breasted Chat*	<u>Icteria virens</u>
Scarlet Tanager*	<u>Piranga olivacea</u>
House Sparrow*	<u>Passer domesticus</u>
Northern Cardinal*	<u>Cardinalis cardinalis</u>
Rose-breasted Grosbeak*	<u>Pheucticus ludovicianus</u>
Indigo Bunting*	<u>Passerina cyomea</u>
Rufus-sided Towhee*	<u>Pipilo erythrophthalmus</u>
American Tree Sparrow*	<u>Spizella arborea</u>
Chipping Sparrow*	<u>Spizella passerina</u>
Field Sparrow*	<u>Spizella pusilla</u>
Vesper Sparrow*	<u>Pooecetes gramineus</u>
Savannah Sparrow*	<u>Passerculus sandwichensis</u>
Grasshopper Sparrow*	<u>Ammodramus savannarum</u>
Song Sparrow*	<u>Melospiza melodia</u>
Swamp Sparrow*	<u>Melospiza georgiana</u>
Sparrow	<u>Zonotrichia albicollis</u>
Henslow's Sparrow*	<u>Ammodramus henslowii</u>
Northern Junco	<u>Junco hyemalis</u>
Bobolink*	<u>Dolichonyx oryzivorus</u>
Red-winged Blackbird*	<u>Agelaius phoeniceus</u>
Eastern Meadowlark*	<u>Sturnella magna</u>
Common Grackle*	<u>Quiscalus quiscula</u>
Brown-headed Cowbird*	<u>Molothrus ater</u>

BIRD SPECIES POSSIBLY OCCURRING IN THE 0.5-MILE STUDY AREA
(Continued)

COMMON NAME

SCIENTIFIC NAME

Northern Oriole*	<u>Icterus galbula</u>
Purple Finch	<u>Carpodacus purpureus</u>
House Finch	<u>Carpodacus mexicanus</u>
Common Redpoll	<u>Carduelis flammea</u>
Pine Siskin	<u>Carduelis pinus</u>
American Goldfinch*	<u>Carduelis tristis</u>
Evening Grosbeak	<u>Hesperiphona vespertina</u>
Fox Sparrow	<u>Passerella iliaca</u>

* Observed on Seneca Army Depot (SEAD 1992, U.S. AEHA 1980); other species listings based on U.S. Fish and Wildlife Service and N.Y. State Department of Environmental Conservation (1991) and Peterson (1980).

MAMMALS

MAMMAL SPECIES POSSIBLY OCCURRING IN THE 0.5 - MILE STUDY AREA

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
Opossum*	<u>Didelphis marsupialis</u>
Masked Shrew**	<u>Sorex cinereus</u>
Longtail Shrew*	<u>Sorex dispar</u>
Pygmy Shrew*	<u>Microsorex hovi</u>
Least Shrew*	<u>Cryptotis parva</u>
Short-tailed Shrew**	<u>Blarina brevicauda</u>
Star-nosed Mole*	<u>Condylura cristata</u>
Hairy-tailed Mole*	<u>Parascalops breweri</u>
Little Brown Myotis*	<u>Myotis lucifugus</u>
Keen Myotis*	<u>Myotis Keeni</u>
Small-footed Myotis	<u>Myotis subulatus</u>
Silver-haired Bat*	<u>Lasionycteris noctivagans</u>
Eastern Pipistrelle*	<u>Pipistrellus subflavus</u>
Big Brown Bat*	<u>Eptesicus fuscus</u>
Red Bat*	<u>Lasiurus borealis</u>
Hoary Bat*	<u>Lasiurus cinereus</u>
Raccoon*	<u>Procyon lotor</u>
Short-tailed Weasel*	<u>Mustela erminea</u>
Long-tailed Weasel*	<u>Mustela frenata</u>
Mink*	<u>Mustela vison</u>
Striped Skunk*	<u>Mephitis mephitis</u>
Coyote*	<u>Canis latrans</u>
Red Fox*	<u>Vulpes fulva</u>
Gray Fox	<u>Urocyon cinereoargenteus</u>
Bobcat	<u>Lynx rufus</u>
Woodchuck*	<u>Marmota monax</u>
Eastern Chipmunk*	<u>Tamias striatus</u>
Eastern Gray Squirrel*	<u>Sciurus carolinensis</u>
Red Squirrel*	<u>Tamiasciurus hudsonicus</u>
Northern Flying squirrel*	<u>Glaucomys sabrinus</u>
White-footed Mouse*	<u>Peromyscus leucopus</u>
Deer Mouse*	<u>Peromyscus maniculatus</u>
Southern Bog Lemming*	<u>Synaptomys cooperi</u>

MAMMAL SPECIES POSSIBLY OCCURRING IN THE 0.5 - MILE STUDY AREA
Continued

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
Boreal Redback Vole*	<u>Clethrionomys gapperi</u>
Meadow Vole**	<u>Microtus pennsylvanicus</u>
Pine Vole*	<u>Pitymys pinetorium</u>
Norway Rat	<u>Rattus norvegicus</u>
House Mouse*	<u>Mus musculus</u>
Meadow Jumping Mouse**	<u>Zapus hudsonius</u>
Woodland Jumping Mouse*	<u>Napaeozapus insignis</u>
Porcupine*	<u>Erethizon dorsatum</u>
Snowshoe Hare	<u>Lepus americanus</u>
Eastern Cottontail*	<u>Sylvilagus floridanus</u>
White-tailed Deer*	<u>Odocoileus virginianus</u>

* Species known to occur in Upstate New York (SEAD 1992).

** Trapped at Wetland Wastewater Treatment area (U.S. AEHA 1980).

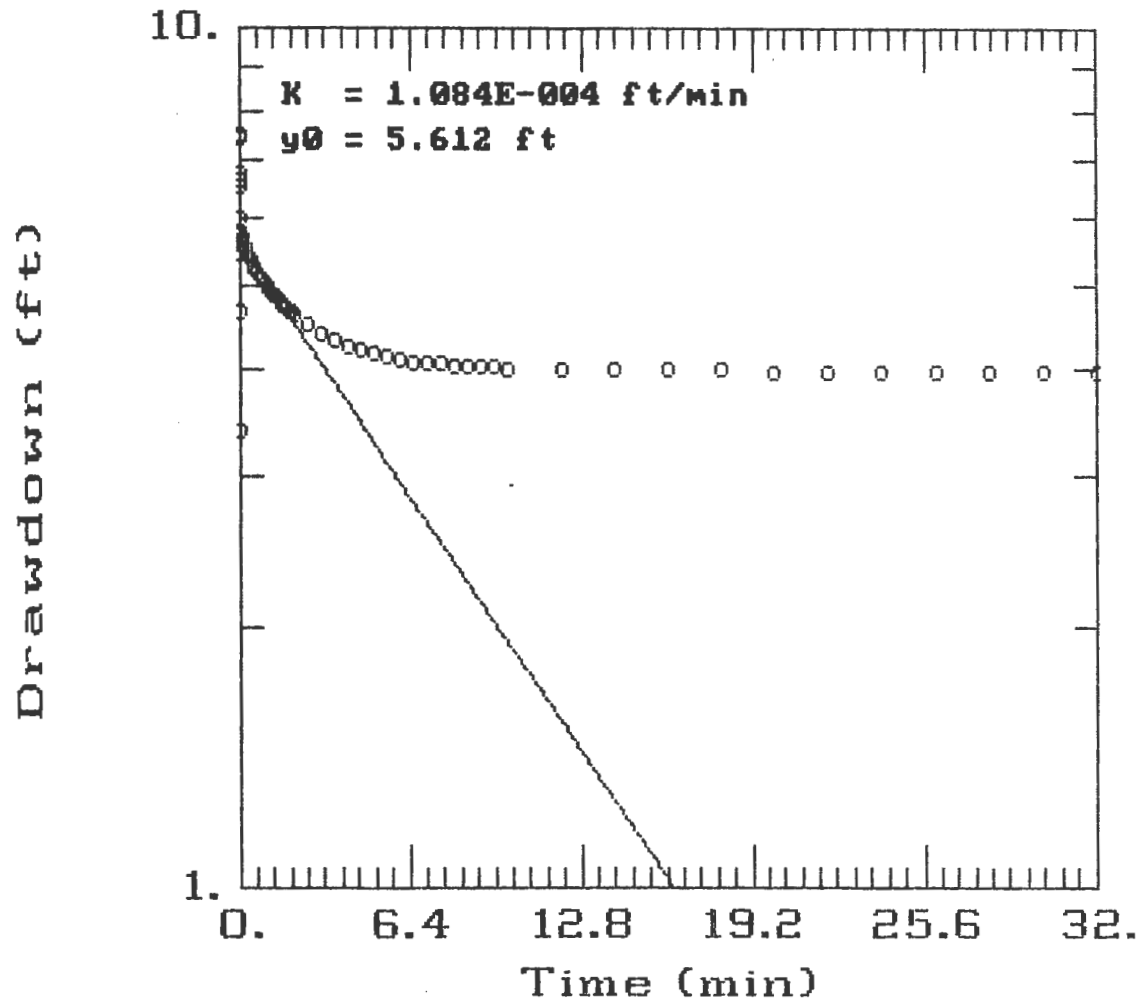
APPENDIX I

HYDRAULIC CONDUCTIVITY RESULTS

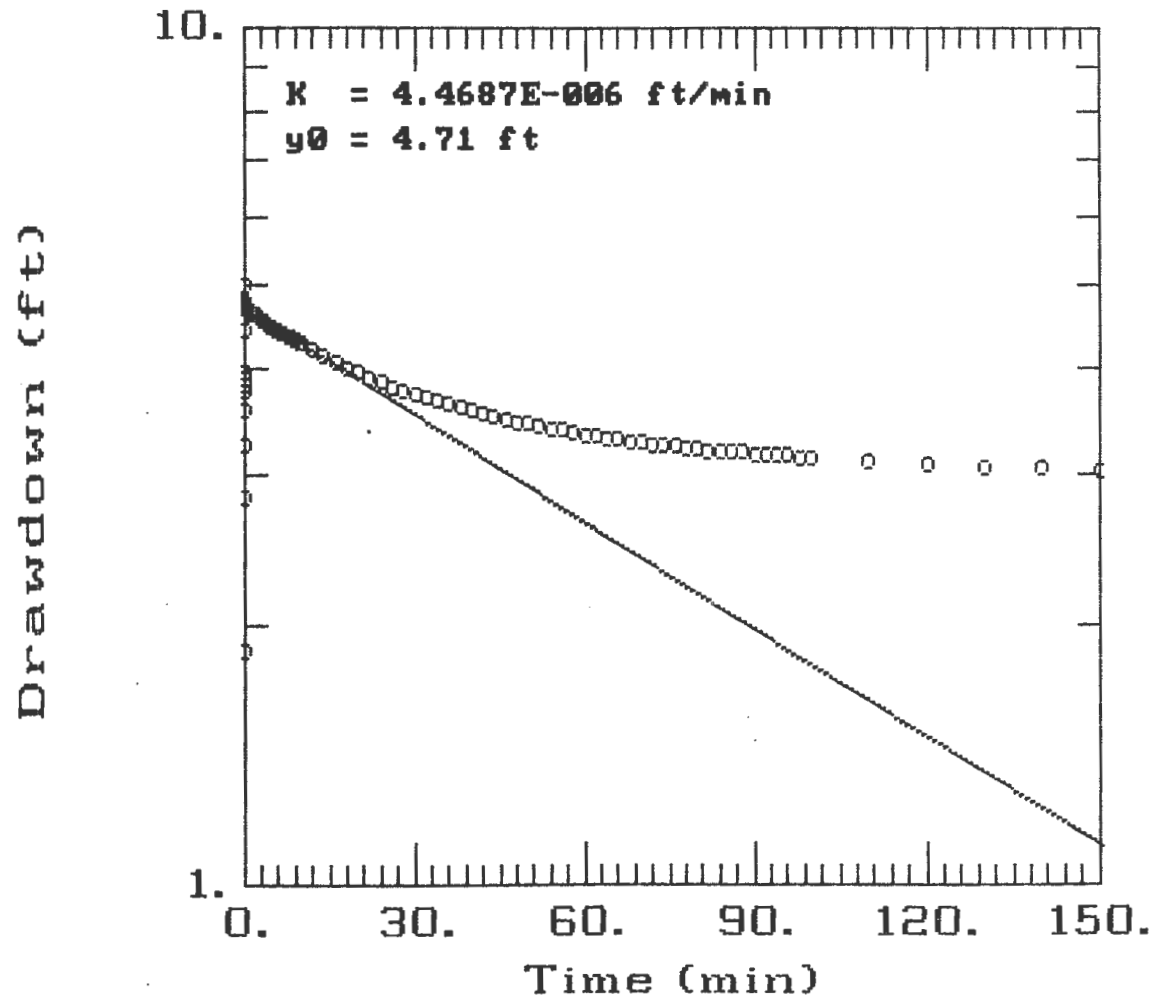
- BOUWER AND RICE (1976) DATA
- HORSLEV (1951) DATA

BOUWER AND RICE (1976) DATA

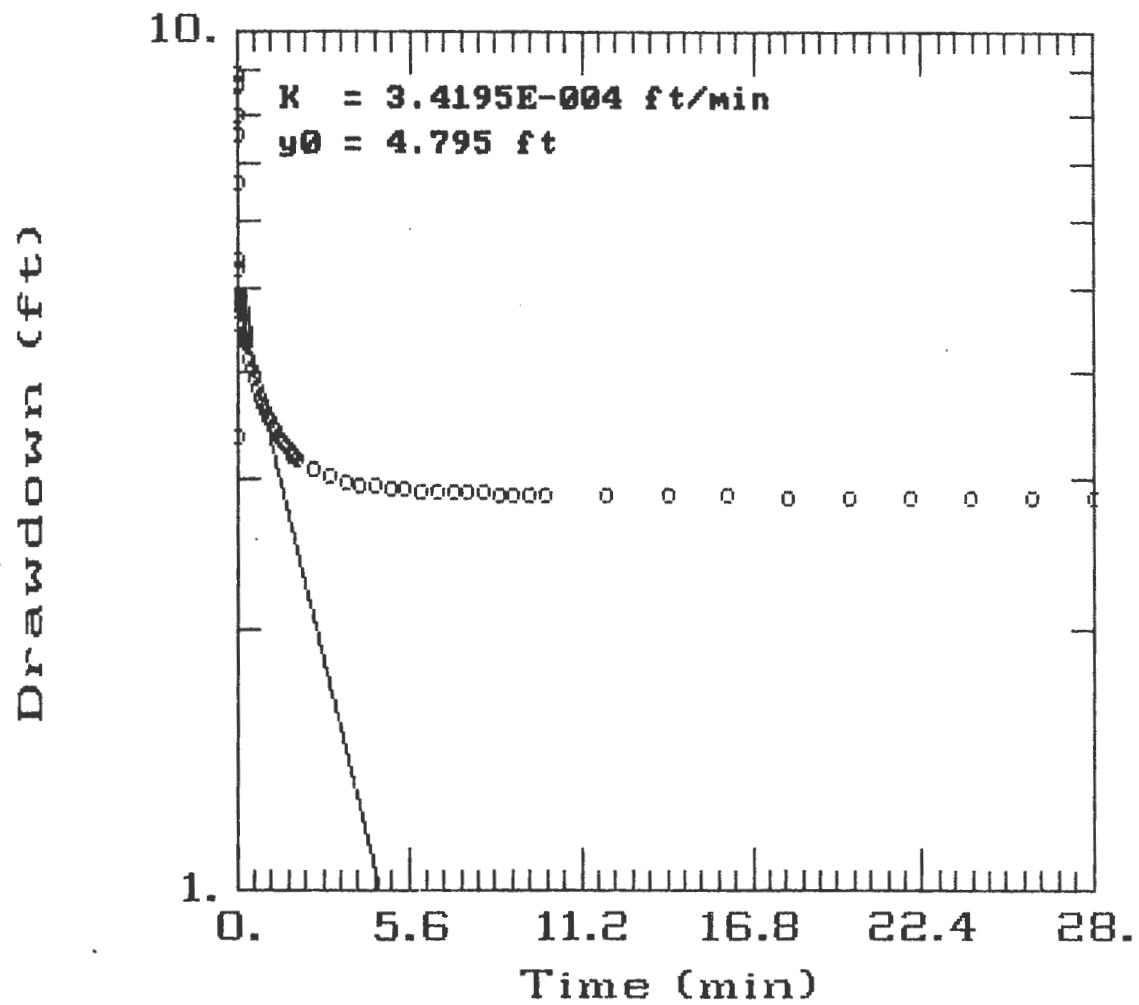
Ash: Slug Test MW-34 Rise



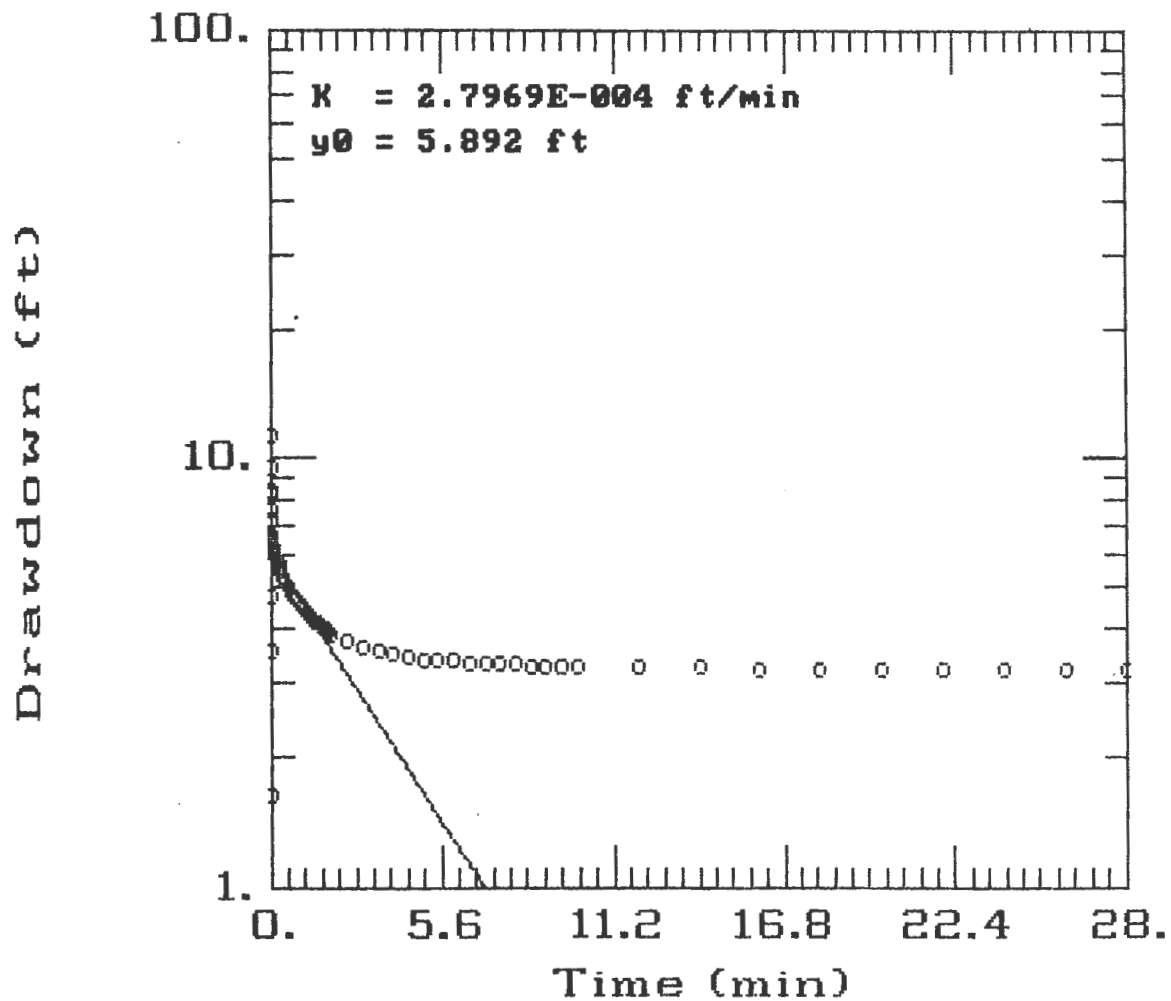
Ash: Slug Test MW-35D Rise



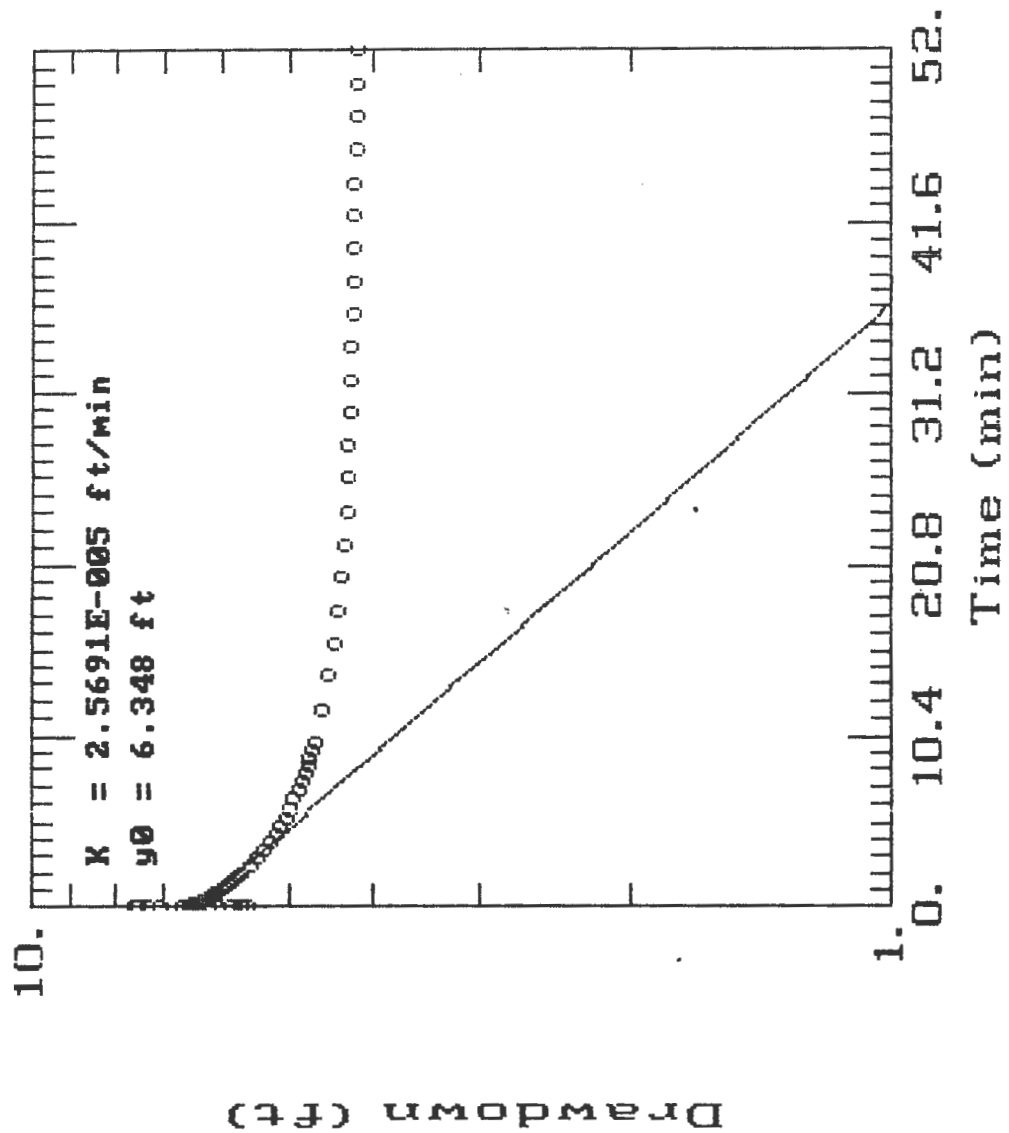
Ash: Slug Test MW-36 Rise



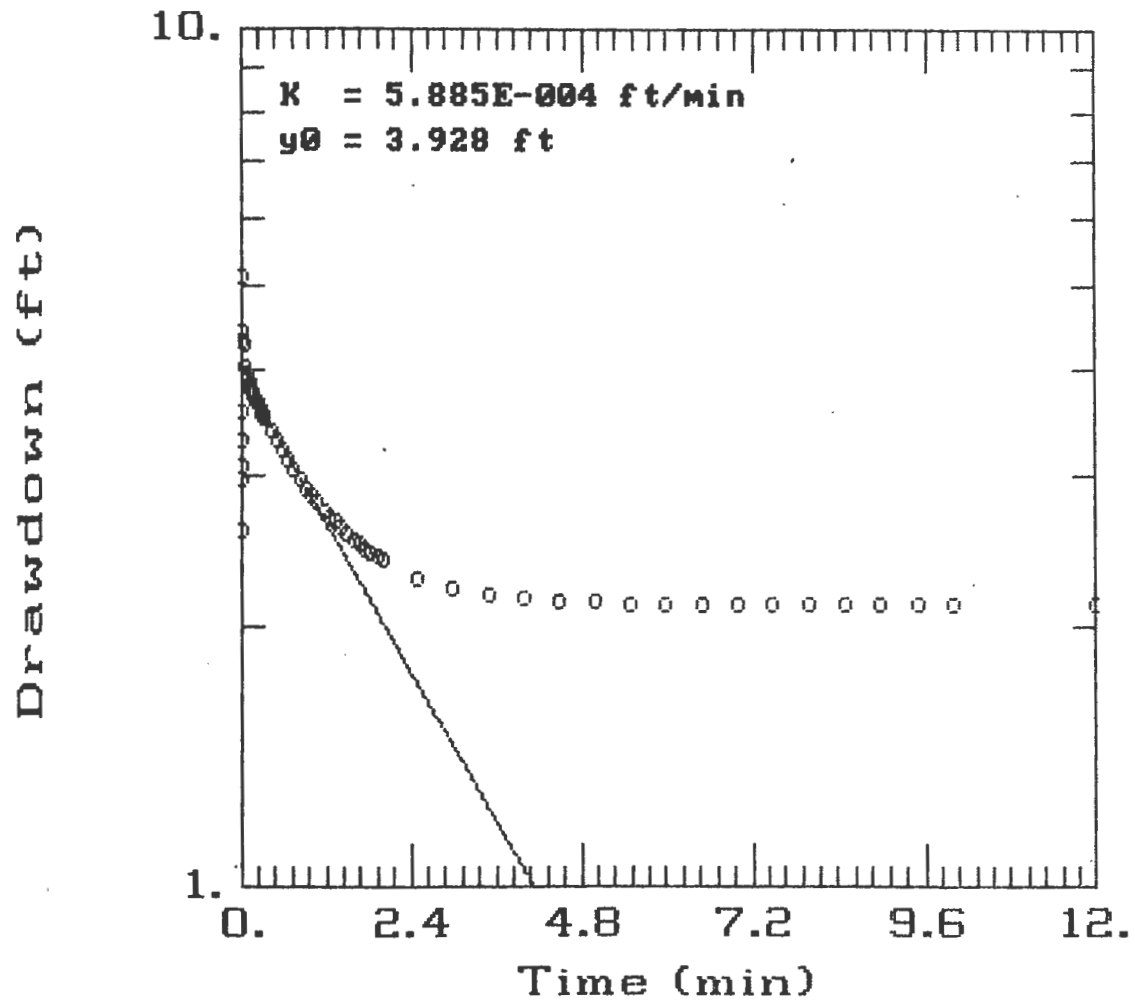
Ash: Slug Test MW-37 Rise



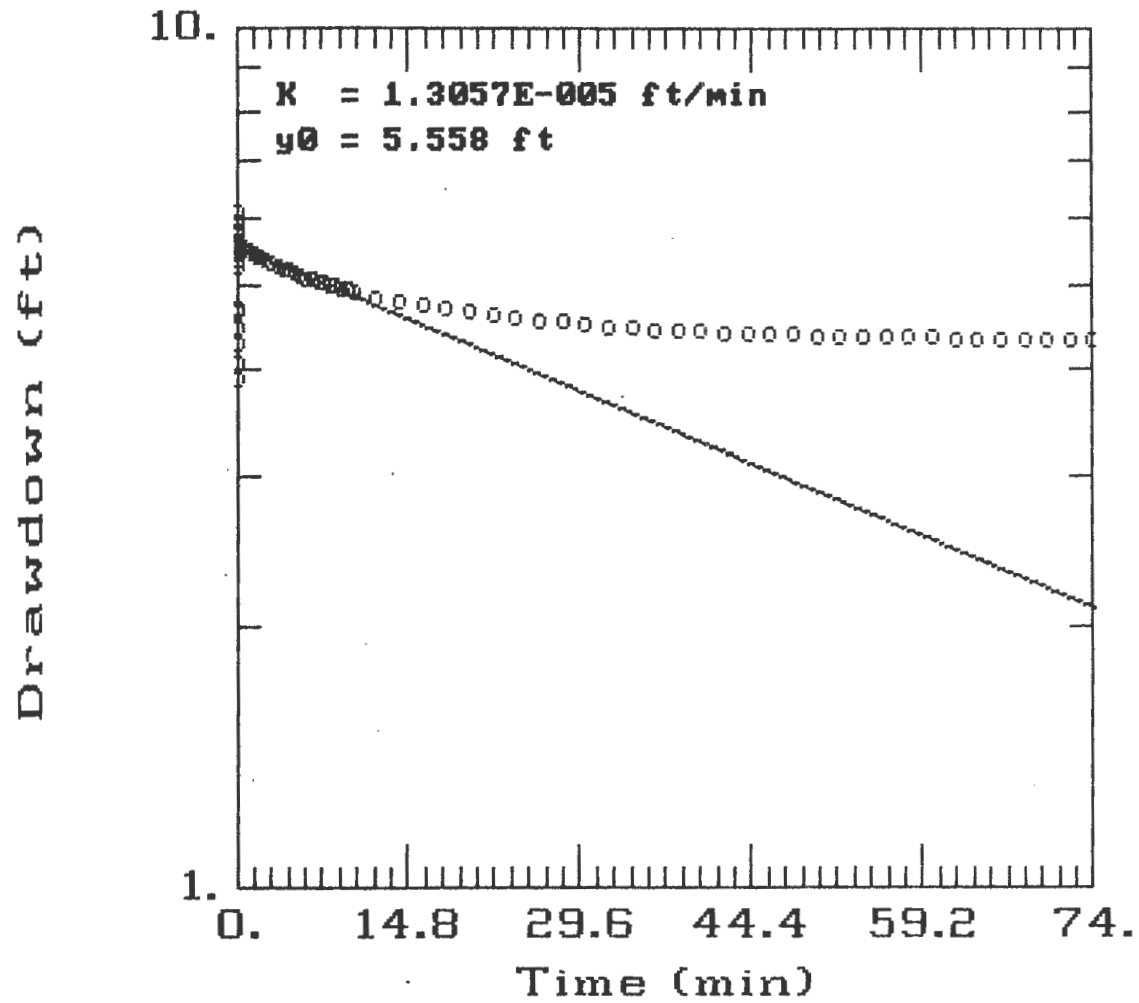
Ash: Slug Test MW-38D Rise



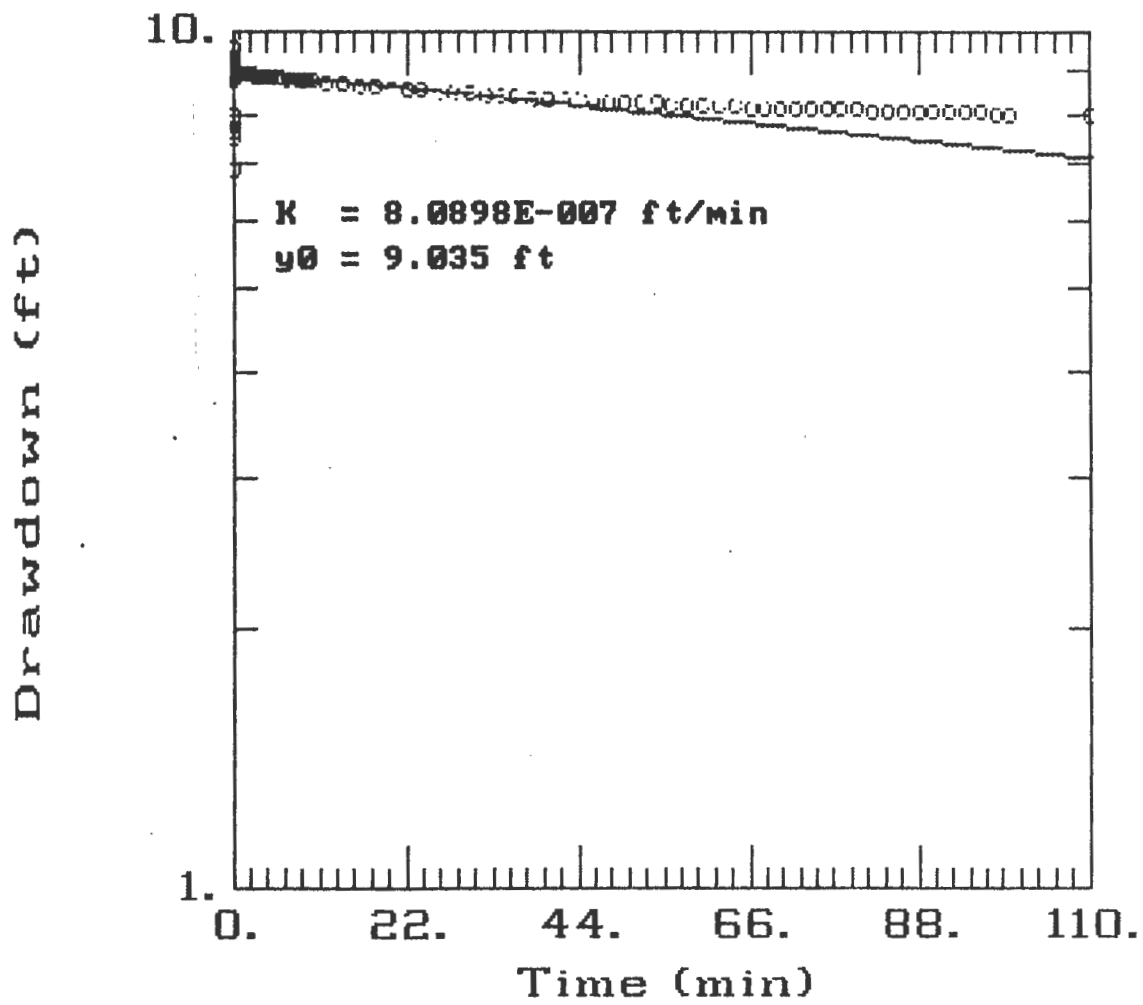
Ash: Slug Test MW-39 Rise



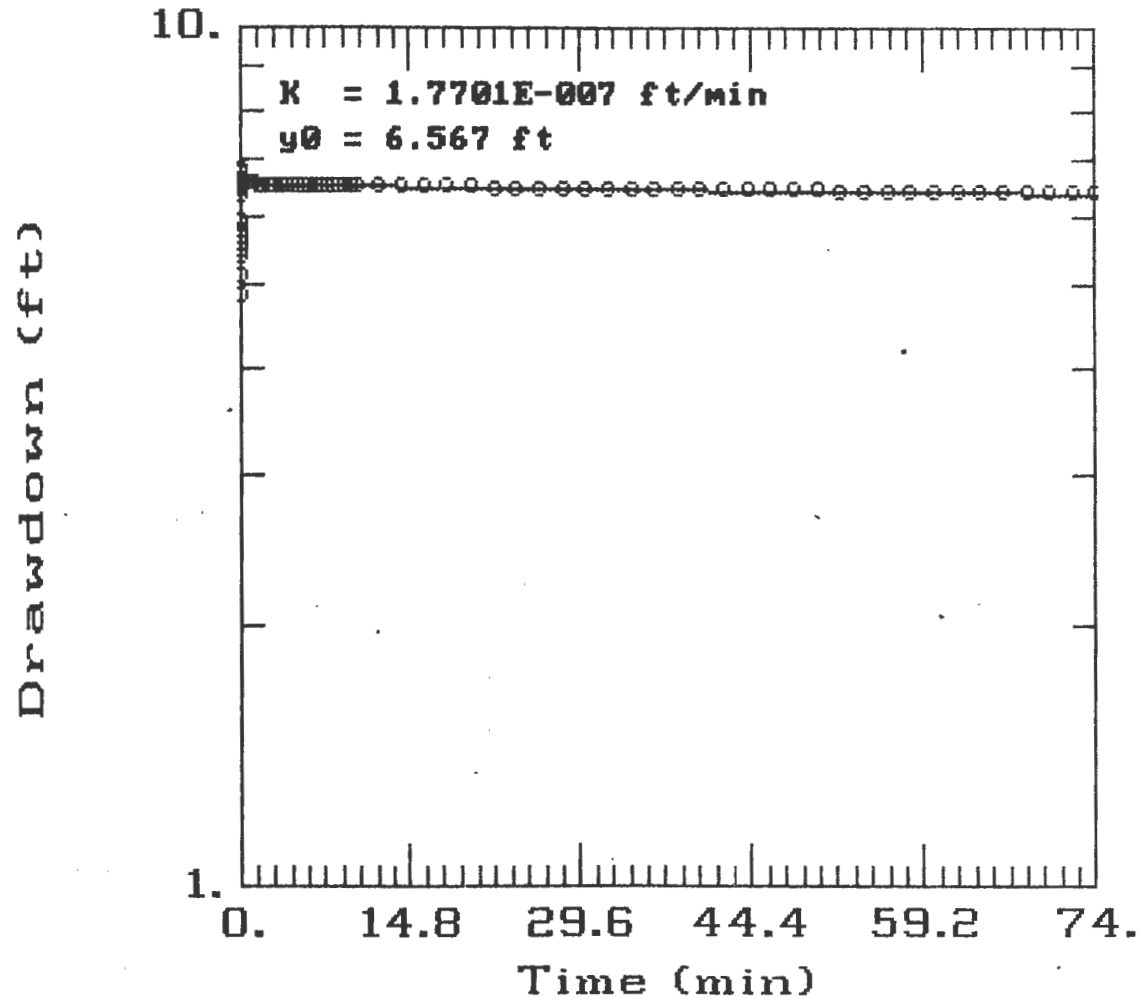
Ash: Slug Test MW-40 Rise



Ash: Slug Test MW-41D Rise



Ash: Slug Test MW-42D Rise



HORSLEV (1951) DATA

Ash:MW-34-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
3	5.785	1.86	1
3.996	5.76	1.84	.9865954
4.998	5.731	1.81	.9710456
6	5.696	1.78	.9522789
6.996	5.665	1.74	.9356568
7.998	5.633	1.71	.9184986
9	5.605	1.69	.9034854
9.996	5.579	1.66	.8895444
10.998	5.554	1.63	.8761394
12	5.532	1.61	.8643433
12.996	5.513	1.59	.8541556
13.998	5.497	1.58	.8455766
15	5.481	1.56	.8369973
15.996	5.465	1.55	.8284183
16.998	5.45	1.53	.8203753
18	5.437	1.52	.8134048
18.996	5.424	1.50	.8064343
19.998	5.412	1.49	.8000001
24.996	5.352	1.43	.7678286
30	5.292	1.37	.7356568
34.998	5.238	1.32	.7067024
39.996	5.187	1.27	.6793566
45	5.14	1.22	.6541555
49.998	5.096	1.18	.6305632
54.996	5.051	1.13	.6064344
60	5.01	1.09	.5844506
64.998	4.969	1.05	.5624665
69.996	4.934	1.01	.5436998
75	4.896	0.98	.5233243
79.998	4.862	0.94	.505094
84.996	4.83	0.91	.4879356
90	4.798	0.88	.4707774
94.998	4.767	0.85	.4541557
99.996	4.741	0.82	.4402147
105	4.713	0.79	.4252011
109.998	4.685	0.76	.4101878
114.996	4.659	0.74	.3962466
120	4.634	0.71	.3828418
150	4.504	0.58	.3131369
180	4.403	0.48	.2589812

UNCONFINED AQUIFER

$K = 0.3E-03 \text{ cm/sec}$
 $= 6.1 \text{ gpd/ft}^2$
 $= 0.9E-05 \text{ ft/sec}$
 $= 0.8 \text{ ft/day}$

REGRESSION COEFFICIENT = $-.9961294$

Ash:MW-35D-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
3	5.017	2.14	1
3.996	4.742	1.86	.8713148
4.998	4.799	1.92	.8979876
6	4.786	1.91	.8919044
6.996	4.739	1.86	.8699108
7.998	4.761	1.88	.8802058
9	4.745	1.86	.8727185
9.996	4.739	1.86	.8699108
10.998	4.742	1.86	.8713148
12	4.732	1.85	.8666352
12.996	4.732	1.85	.8666352
13.998	4.729	1.85	.8652315
15	4.726	1.85	.8638276
15.996	4.726	1.85	.8638276
16.998	4.723	1.84	.8624238
18	4.72	1.84	.8610199
18.996	4.716	1.84	.8591482
19.998	4.716	1.84	.8591482
24.996	4.71	1.83	.8563405
30	4.704	1.82	.8535329
34.998	4.694	1.81	.8488534
39.996	4.691	1.81	.8474496
45	4.685	1.80	.8446419
49.998	4.678	1.80	.8413663
54.996	4.672	1.79	.8385585
60	4.669	1.79	.8371548
64.998	4.663	1.78	.8343471
69.996	4.656	1.78	.8310715
75	4.653	1.77	.8296675
79.998	4.647	1.77	.8268598
84.996	4.644	1.76	.8254561
90	4.637	1.76	.8221805
94.998	4.634	1.75	.8207766
99.996	4.628	1.75	.8179689
105	4.625	1.74	.8165651
109.998	4.622	1.74	.8151615
114.996	4.612	1.73	.8104819
120	4.612	1.73	.8104819
150	4.58	1.70	.7955075
180	4.555	1.67	.7838088
210	4.533	1.65	.7735141
240	4.514	1.63	.7646231
270	4.489	1.61	.7529245
300	4.47	1.59	.7440335
330	4.448	1.57	.7337388
360	4.422	1.54	.7215721
390	4.403	1.52	.7126811
420	4.384	1.50	.7037901
450	4.365	1.48	.6948992
480	4.343	1.46	.6846045
510	4.324	1.44	.6757134
540	4.305	1.42	.6668225
570	4.29	1.41	.6598033
600	4.271	1.39	.6509123

720	4.201	1.32	.6181563
840	4.135	1.26	.5872719
960	4.075	1.19	.559195
1080	4.015	1.13	.5311181
1200	3.961	1.08	.5058492
1320	3.91	1.03	.481984
1440	3.86	0.98	.4585867
1560	3.812	0.93	.4361254
1680	3.771	0.89	.4169396
1800	3.733	0.85	.3991577

UNCONFINED AQUIFER

$K = 0.8E-05$ cm/sec
 = 0.2 gpd/ft²
 = $0.3E-06$ ft/sec
 = 0.0ft/day

REGRESSION COEFFICIENT = $-.9936949$

Ash:MW-36-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
4.998	4.914	2.09	1
6	4.901	2.08	.9937918
6.996	4.876	2.06	.9818528
7.998	4.841	2.02	.9651385
9	4.799	1.98	.9450811
9.996	4.751	1.93	.9221584
10.998	4.703	1.88	.8992359
12	4.655	1.84	.8763134
12.996	4.61	1.79	.8548232
13.998	4.559	1.74	.830468
15	4.514	1.69	.8089779
15.996	4.472	1.65	.7889207
16.998	4.427	1.61	.7674308
18	4.389	1.57	.7492835
18.996	4.351	1.53	.7311365
19.998	4.315	1.50	.7139446
24.996	4.155	1.34	.637536
30	4.024	1.20	.5749763
34.998	3.915	1.10	.5229227
39.996	3.822	1.00	.47851
45	3.742	0.92	.4403056
49.998	3.672	0.85	.4068768
54.996	3.607	0.79	.3758358
60	3.547	0.73	.3471825
64.998	3.502	0.68	.3256925
69.996	3.45	0.63	.3008597
75	3.412	0.59	.2827124
79.998	3.37	0.55	.2626551
84.996	3.335	0.52	.2459408
90	3.306	0.49	.2320918
94.998	3.278	0.46	.2187202
99.996	3.252	0.43	.2063038
105	3.229	0.41	.19532
109.998	3.207	0.39	.1848138
114.996	3.188	0.37	.1757402
120	3.169	0.35	.1666666
150	3.082	0.26	.1251195

UNCONFINED AQUIFER

K = 0.6E-03 cm/sec
 = 12.5 gpd/ft²
 = 0.2E-04ft/sec
 = 1.7ft/day

REGRESSION COEFFICIENT = -.9907646

Ash:MW-37-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
1.998	6.664	3.48	1
3	6.552	3.37	.9678529
3.996	6.363	3.18	.913605
4.998	6.338	3.16	.9064292
6	6.213	3.03	.8705509
6.996	6.142	2.96	.8501722
7.998	6.075	2.89	.8309414
9	6.014	2.83	.8134328
9.996	5.957	2.78	.7970722
10.998	5.899	2.72	.7804248
12	5.844	2.66	.7646383
12.996	5.793	2.61	.7500001
13.998	5.742	2.56	.7353616
15	5.694	2.51	.7215842
15.996	5.649	2.47	.7086682
16.998	5.604	2.42	.695752
18	5.563	2.38	.6839839
18.996	5.521	2.34	.6719287
19.998	5.479	2.30	.6598737
24.996	5.297	2.12	.6076348
30	5.14	1.96	.5625716
34.998	5.002	1.82	.5229621
39.996	4.88	1.70	.4879449
45	4.771	1.59	.4566589
49.998	4.675	1.50	.4291046
54.996	4.586	1.41	.4035591
60	4.502	1.32	.3794488
64.998	4.429	1.25	.3584959
69.996	4.361	1.18	.3389782
75	4.297	1.12	.3206084
79.998	4.24	1.06	.3042479
84.996	4.185	1.00	.2884615
90	4.137	0.96	.2746842
94.998	4.089	0.91	.260907
99.996	4.048	0.87	.2491388
105	4.006	0.83	.2370838
109.998	3.971	0.79	.2270378
114.996	3.932	0.75	.2158438
120	3.9	0.72	.206659

UNCONFINED AQUIFER

K = 0.6E-03 cm/sec
 = 11.7 gpd/ft²
 = 0.2E-04ft/sec
 = 1.6ft/day

REGRESSION COEFFICIENT = -.9925786

Ash:MW-38D-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
3.996	6.636	2.62	1
4.998	6.431	2.41	.9216361
6	6.444	2.42	.9266054
6.996	6.499	2.48	.94763
7.998	6.518	2.50	.954893
9	6.502	2.48	.9487768
9.996	6.463	2.44	.9338683
10.998	6.438	2.42	.9243119
12	6.419	2.40	.9170489
12.996	6.406	2.39	.9120795
13.998	6.393	2.37	.9071101
15	6.39	2.37	.9059632
15.996	6.367	2.35	.8971712
16.998	6.329	2.31	.8826451
18	6.332	2.31	.8837919
18.996	6.332	2.31	.8837919
19.998	6.326	2.31	.8814984
24.996	6.271	2.25	.8604739
30	6.226	2.21	.8432721
34.998	6.188	2.17	.8287461
39.996	6.15	2.13	.8142202
45	6.114	2.09	.8004587
49.998	6.082	2.06	.7882261
54.996	6.05	2.03	.7759939
60	6.018	2.00	.7637615
64.998	5.986	1.97	.7515291
69.996	5.957	1.94	.7404433
75	5.929	1.91	.72974
79.998	5.903	1.88	.7198011
84.996	5.874	1.85	.7087156
90	5.848	1.83	.6987768
94.998	5.823	1.80	.6892201
99.996	5.797	1.78	.6792813
105	5.772	1.75	.6697247
109.998	5.749	1.73	.6609328
114.996	5.727	1.71	.6525231
120	5.701	1.68	.6425842
150	5.563	1.54	.5898318
180	5.451	1.43	.5470185

UNCONFINED AQUIFER

K = 0.7E-04 cm/sec
 = 1.6 gpd/ft²
 = 0.2E-05ft/sec
 = 0.2ft/day

REGRESSION COEFFICIENT = -.9915795

Ash:MW-39-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
1.998	4.304	2.18	1
3	4.266	2.15	.9826008
3.996	4.035	1.92	.8768315
4.998	3.95	1.83	.8379123
6	3.909	1.79	.8191394
6.996	3.868	1.75	.8003664
7.998	3.833	1.71	.7843407
9	3.798	1.68	.7683152
9.996	3.767	1.65	.7541209
10.998	3.738	1.62	.7408426
12	3.707	1.59	.7266485
12.996	3.681	1.56	.7147436
13.998	3.653	1.53	.7019232
15	3.628	1.51	.6904764
15.996	3.602	1.48	.6785716
16.998	3.58	1.46	.6684983
18	3.555	1.44	.6570515
18.996	3.533	1.41	.6469781
19.998	3.511	1.39	.6369048
24.996	3.4	1.28	.5860806
30	3.305	1.19	.5425825
34.998	3.213	1.09	.500458
39.996	3.128	1.01	.4615386
45	3.052	0.93	.42674
49.998	2.983	0.86	.3951467
54.996	2.916	0.80	.3644689
60	2.856	0.74	.3369964
64.998	2.799	0.68	.3108975
69.996	2.745	0.63	.2861722
75	2.698	0.58	.2646521
79.998	2.654	0.53	.2445056
84.996	2.61	0.49	.224359
90	2.572	0.45	.2069598
94.998	2.537	0.42	.1909341
99.996	2.505	0.39	.1762822
105	2.474	0.35	.1620879
109.998	2.445	0.33	.1488095
114.996	2.423	0.30	.1387364
120	2.398	0.28	.1272895
150	2.29	0.17	7.783882E-02
180	2.227	0.11	4.899273E-02
210	2.186	0.07	3.021988E-02

UNCONFINED AQUIFER

K = 0.1E-02 cm/sec
 = 20.8 gpd/ft2
 = 0.3E-04ft/sec
 = 2.8ft/day

REGRESSION COEFFICIENT = -.9991896

Ash:MW-40-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
12.996	5.607	1.63	1
13.998	5.607	1.63	1
15	5.607	1.63	1
15.996	5.588	1.61	.9883221
16.998	5.588	1.61	.9883221
18	5.588	1.61	.9883221
18.996	5.591	1.61	.9901661
19.998	5.585	1.61	.9864783
24.996	5.572	1.59	.9784881
30	5.56	1.58	.9711124
34.998	5.547	1.57	.9631222
39.996	5.537	1.56	.9569761
45	5.525	1.55	.9496006
49.998	5.515	1.53	.9434542
54.996	5.503	1.52	.9360785
60	5.496	1.52	.9317763
64.998	5.487	1.51	.9262448
69.996	5.477	1.50	.9200986
75	5.468	1.49	.9145666
79.998	5.458	1.48	.9084205
84.996	5.449	1.47	.9028887
90	5.439	1.46	.8967426
94.998	5.433	1.45	.8930548
99.996	5.427	1.45	.8893671
105	5.417	1.44	.8832207
109.998	5.408	1.43	.8776889
114.996	5.401	1.42	.8733868
120	5.395	1.42	.869699
150	5.348	1.37	.8408114
180	5.31	1.33	.8174554
210	5.272	1.29	.7940996
240	5.237	1.26	.7725877
270	5.209	1.23	.7553781
300	5.174	1.19	.7338661
330	5.142	1.16	.7141982

UNCONFINED AQUIFER

$K = 0.4E-04 \text{ cm/sec}$
 $= 0.9 \text{ gpd/ft}^2$
 $= 0.1E-05 \text{ ft/sec}$
 $= 0.1 \text{ ft/day}$

REGRESSION COEFFICIENT = $-.9944127$

Ash:MW-41D-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/H0
18.996	9.005	1.90	1
19.998	8.993	1.88	.9936676
24.996	8.917	1.81	.9535618
30	8.955	1.84	.9736149
34.998	8.958	1.85	.9751979
39.996	8.939	1.83	.9651715
45	8.932999	1.82	.9620047
49.998	8.932999	1.82	.9620047
54.996	8.93	1.82	.9604224
60	8.923001	1.81	.9567289
64.998	8.923001	1.81	.9567289
69.996	8.92	1.81	.9551451
75	8.917	1.81	.9535618
79.998	8.917	1.81	.9535618
84.996	8.913999	1.80	.9519783
90	8.911	1.80	.9503957
94.998	8.906999	1.80	.9482843
99.996	8.906999	1.80	.9482843
105	8.904	1.79	.9467018
109.998	8.904	1.79	.9467018
114.996	8.901	1.79	.9451188
120	8.898	1.79	.9435353
150	8.889	1.78	.9387863
180	8.876001	1.77	.9319268
210	8.863	1.75	.9250661
240	8.854	1.74	.9203166
270	8.840999	1.73	.9134559
300	8.835	1.72	.9102902
330	8.821999	1.71	.9034295
360	8.813	1.70	.8986804
390	8.803001	1.69	.8934044
420	8.793999	1.68	.8886537
450	8.784001	1.67	.883378
480	8.774999	1.66	.8786274
510	8.765001	1.66	.8733516
540	8.755999	1.65	.8686009
570	8.746	1.64	.8633248
600	8.74	1.63	.860158
720	8.701999	1.59	.8401049
840	8.667	1.56	.8216356
960	8.635999	1.53	.8052764
1080	8.604	1.49	.7883905
1200	8.571999	1.46	.7715033

UNCONFINED AQUIFER

K = 0.3E-05 cm/sec
 = 0.1 gpd/ft²
 = 0.1E-06ft/sec
 = 0.0ft/day

REGRESSION COEFFICIENT = -.9907339

Ash:MW-42D-Rise

TIME (seconds)	WATER LEVEL (feet)	DRAWDOWN (feet)	H/HO
19.998	6.587	3.01	1
24.996	6.581	3.00	.9980046
30	6.578	3.00	.9970069
34.998	6.578	3.00	.9970069
39.996	6.574	2.99	.9956766
45	6.574	2.99	.9956766
49.998	6.574	2.99	.9956766
54.996	6.574	2.99	.9956766
60	6.571	2.99	.9946791
64.998	6.571	2.99	.9946791
69.996	6.571	2.99	.9946791
75	6.571	2.99	.9946791
79.998	6.571	2.99	.9946791
84.996	6.568	2.99	.9936814
90	6.568	2.99	.9936814
94.998	6.568	2.99	.9936814
99.996	6.568	2.99	.9936814
105	6.568	2.99	.9936814
109.998	6.568	2.99	.9936814
114.996	6.565	2.99	.9926838
120	6.565	2.99	.9926838
150	6.562	2.98	.991686
180	6.562	2.98	.991686
210	6.558	2.98	.9903559
240	6.555	2.98	.9893581
270	6.555	2.98	.9893581
300	6.552	2.97	.9883604
330	6.552	2.97	.9883604
360	6.549	2.97	.9873628
390	6.549	2.97	.9873628
420	6.546	2.97	.9863651
450	6.546	2.97	.9863651
480	6.546	2.97	.9863651
510	6.542	2.96	.9850349
540	6.542	2.96	.9850349
570	6.542	2.96	.9850349
600	6.539	2.96	.9840373
720	6.536	2.96	.9830395
840	6.53	2.95	.9810443
960	6.526	2.95	.979714
1080	6.523	2.94	.9787162
1200	6.517	2.94	.9767211
1320	6.51	2.93	.9743931
1440	6.507	2.93	.9733954
1560	6.504	2.92	.9723978
1680	6.498	2.92	.9704025
1800	6.491	2.91	.9680746
1920	6.488	2.91	.9670768
2040	6.485	2.91	.9660792
2160	6.481	2.90	.9647489
2280	6.478	2.90	.9637513
2400	6.475	2.90	.9627536
2520	6.472	2.89	.961756
2640	6.469	2.89	.9607582

2760	6.465	2.89	.9594281
2880	6.462	2.88	.9584304
3000	6.459	2.88	.9574328

UNCONFINED AQUIFER

K = 0.3E-06 cm/sec
= 0.0 gpd/ft²
= 0.1E-07ft/sec
= 0.0ft/day

REGRESSION COEFFICIENT = -.9886618

APPENDIX J

ANALYTICAL RESULTS

- SOIL
- GROUNDWATER
- SURFACE WATER AND SEDIMENT
- DUST WIPES
- QC RINSATES AND TRIP BLANKS

DATA QUALIFIERS

EPA - defined qualifiers for Organic Analyses are as follows:

- B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number for the diluted sample, and all concentration values reported are flagged with the "D" flag.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
- J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data identification criteria but the result is less than the sample quantitation limit but greater than zero.
- L - The analyte is a suspected laboratory contaminant. It's presence in the sample is unlikely (applies to volatile and semi-volatile organic results).
- S - The compound was detected above instrument saturation levels (applies to semi-volatile organic results).
- U - Indicates compound was analyzed for but not detected.
- X - The reported result was derived from instrument response outside the calibration range (applies to pesticide/PCB results).
- Y - The reported result is below the specified reporting limit (applies to pesticide/PCB results).

EPA - qualifiers for inorganic analyses are as follows:

B - Concentration qualifier which indicates that the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

U - The analyte was analyzed for but not detected.

SOIL

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	SOIL B1-91 0-2 10/30/91 S1030-1 147824	SOIL B1-91 2-4 10/30/91 S1030-2 147825	SOIL B2-91 0-2 10/31/91 S1031-4 147827	SOIL B2-91 0-2 10/31/91 S1031-4DL(5) 147827	SOIL B2-91 2-4 10/31/91 S1031-5 147828	SOIL B2-91 2-4 10/31/91 S1031-5RE(4) 147828	SOIL B2-91 6-8 10/31/91 S1031-6 147829	SOIL B2-91 6-8 10/31/91 S1031-6DL(5) 147829
Chloromethane	ug/Kg	12 U	12 U	1500 U	9900 U	150000 U	1500 U	1600 U	6200 U
Bromomethane	ug/Kg	12 U	12 U	1500 U	9900 U	150000 U	1500 U	1600 U	6200 U
Vinyl Chloride	ug/Kg	12 U	12 U	1500 J	9900 U	150000 U	1500 U	920 J	6200 U
Chloroethane	ug/Kg	12 U	12 U	1500 U	9900 U	150000 U	1500 U	1600 U	6200 U
Methyl Chloride	ug/Kg	2 BJ	2 BJ	260 BJ	1500 BJ	16000 BJ	220 BJ	200 BJ	3100 U
Acetone	ug/Kg	12 U	4 BJ	1500 U	9900 U	150000 U	1500 U	1600 U	6200 U
Carbon Disulfide	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
1,1-Dichloroethane	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
1,1-Dichloroethane	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
1,2-Dichloroethane (total)	ug/Kg	6 U	6 U	12000	10000 D	73000 U	1900	21000	20000 D
Chloroform	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
1,2-Dichloroethane	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
2-Butanone	ug/Kg	12 U	12 U	1500 U	9900 U	150000 U	1500 U	1600 U	6200 U
1,1,1-Trichloroethane	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
Carbon Tetrachloride	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
Vinyl Acetate	ug/Kg	12 U	12 U	1500 U	9900 U	150000 U	1500 U	1600 U	6200 U
Bromodichloromethane	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
1,2-Dichloropropane	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
cis-1,3-Dichloropropene	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
Trichloroethene	ug/Kg	6 U	6 U	3900 E	28000 D	73000 U	4400	17000 E	120000 D
Dibromochloromethane	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
1,1,2-Trichloroethene	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
Benzene	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
trans-1,3-Dichloropropene	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
Bromoform	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	1500 U	9900 U	150000 U	1500 U	1600 U	6200 U
2-Hexanone	ug/Kg	12 U	12 U	1500 U	9900 U	150000 U	1500 U	1600 U	6200 U
Tetrachloroethene	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
1,1,2,2-Tetrachloroethane	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
Toluene	ug/Kg	6 U	6 U	560 J	5000 U	73000 U	220 J	260 J	3100 U
Chlorobenzene	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
Ethylbenzene	ug/Kg	6 U	6 U	560 J	5000 U	73000 U	250 J	780 U	3100 U
Styrene	ug/Kg	6 U	6 U	740 U	5000 U	73000 U	730 U	780 U	3100 U
Xylene (total)	ug/Kg	6 U	6 U	2900	1300 JD	73000 U	1200	400 J	3100 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B2-01	B2-01	B3-01	B3-01	B3-01	B3-01	B3-01	B3-01
	DEPTH	8-10	8-10	0-2	0-2	2-4	4-8	8-8	8-8
	DATE	10/31/91	10/31/91	10/31/91	10/31/91	10/31/91	10/31/91	10/31/91	10/31/91
	MAIN ID	S1031-7	S1031-7DL(5)	S1031-8	S1031-8RE(4)	S1031-9	S1031-10	S1031-11	S1031-11RE(4)
	LAB ID	147830	147830	147831	147831	147832	147833	147834	147834
	UNITS								
Chloromethane	ug/Kg	2800 U	5500 U	13 U	13 U	12 U	11 U	10 U	10 U
Bromomethane	ug/Kg	2800 U	5500 U	13 U	13 U	12 U	11 U	10 U	10 U
Vinyl Chloride	ug/Kg	2800 U	5500 U	13 U	13 U	12 U	11 U	10 U	10 U
Chloroethane	ug/Kg	2800 U	5500 U	13 U	13 U	12 U	11 U	10 U	10 U
Methyl Chloride	ug/Kg	1400 U	1200 BJ	3 BJ	2 BJ	2 BJ	2 BJ	2 BJ	2 J
Acetone	ug/Kg	2800 U	5500 U	11 BJ	13 U	4 BJ	10 BJ	10 BJ	12 B
Carbon Disulfide	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
1,1-Dichloroethane	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
1,1-Dichloroethane	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
1,2-Dichloroethane (total)	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
Chloroform	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
1,2-Dichloroethane	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
2-Butanone	ug/Kg	2800 U	5500 U	13 U	13 U	12 U	11 U	10 U	10 U
1,1,1-Trichloroethane	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
Carbon Tetrachloride	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
Vinyl Acetate	ug/Kg	2800 U	5500 U	13 U	13 U	12 U	11 U	10 U	10 U
Bromodichloromethane	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
1,2-Dichloropropane	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
cis-1,3-Dichloropropene	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
Trichloroethene	ug/Kg	83000 E	88000 D	23	11	8 U	8 U	5	4 J
Dibromochloromethane	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
1,1,2-Trichloroethane	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
Benzene	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
trans-1,3-Dichloropropene	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
Bromoform	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
4-Methyl-2-Pentanone	ug/Kg	2800 U	5500 U	13 U	13 U	12 U	11 U	10 U	10 U
2-Hexanone	ug/Kg	2800 U	5500 U	13 U	13 U	12 U	11 U	10 U	10 U
Tetrachloroethene	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
Toluene	ug/Kg	1400 U	2800 U	4 J	3 J	2 J	1 J	4 J	3 J
Chlorobenzene	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
Ethylbenzene	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
Styrene	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U
Xylene (total)	ug/Kg	1400 U	2800 U	8 U	8 U	8 U	8 U	5 U	5 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION	SOIL B4-91	SOIL B4-91	SOIL B4-91	SOIL B5-91	SOIL B5-91	SOIL B5-91	SOIL B5-91	SOIL B5-91
	DEPTH	0-2	2-4	4-8	0-2	0-2	2-4	4-8	8-10
	DATE	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91
	MAIN ID	S1101-12	S1101-13	S1101-14	S1101-15	S1101-15RE(4)	S1101-16	S1101-17	S1101-18
	LAB ID	147885	147886	147887	147888	147888	147889	147890	147891
	UNITS								
Chloromethane	ug/Kg	13 U	11 U	11 U	15 U	14 U	11 U	11 U	10 U
Bromomethane	ug/Kg	13 U	11 U	11 U	15 U	14 U	11 U	11 U	10 U
Vinyl Chloride	ug/Kg	13 U	11 U	11 U	15 U	14 U	11 U	11 U	10 U
Chloroethane	ug/Kg	13 U	11 U	11 U	15 U	14 U	11 U	11 U	10 U
Methyl Chloride	ug/Kg	2 J	6 U	5 U	3 J	3 J	5 U	2 J	2 J
Acetone	ug/Kg	6 BJ	6 BJ	6 BJ	11 BJ	18 B	5 BJ	6 BJ	24 B
Carbon Disulfide	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	3 J
1,1-Dichloroethane	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
1,1-Dichloroethane	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
1,2-Dichloroethane (total)	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
Chloroform	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
1,2-Dichloroethane	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
2-Butanone	ug/Kg	13 U	11 U	11 U	15 U	14 U	11 U	11 U	10 U
1,1,1-Trichloroethane	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
Carbon Tetrachloride	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
Vinyl Acetate	ug/Kg	13 U	11 U	11 U	15 U	14 U	11 U	11 U	10 U
Bromodichloromethane	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
1,2-Dichloropropane	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
cis-1,3-Dichloropropane	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
Trichloroethene	ug/Kg	130	6 U	2 J	7 U	7 U	5 U	6 U	5 U
Dibromochloromethane	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
1,1,2-Trichloroethane	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
Benzene	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
trans-1,3-Dichloropropane	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
Bromofom	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
4-Methyl-2-Pentanone	ug/Kg	13 U	11 U	11 U	15 U	14 U	11 U	11 U	10 U
2-Hexanone	ug/Kg	13 U	11 U	11 U	15 U	14 U	11 U	11 U	10 U
Tetrachloroethene	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
1,1,2,2-Tetrachloroethane	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
Toluene	ug/Kg	6 U	2 J	2 J	3 J	9	1 J	2 J	6
Chlorobenzene	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
Ethylbenzene	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
Styrene	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U
Xylene (total)	ug/Kg	6 U	6 U	5 U	7 U	7 U	5 U	6 U	5 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION	SCIL B5-91	SCIL B6-91	SCIL B6-91	SCIL B7-91	SCIL B7-91	SCIL B7-91	SCIL B8-91	SCIL B8-91
	DEPTH	8-10	0-2	2-4	0-2	2-4	10-12	0-2	2-4
	DATE	11/01/91	11/04/91	11/04/91	11/04/91	11/04/91	11/04/91	11/05/91	11/05/91
	MAIN ID	S1101-18RE(4)	S1104-19	S1104-20	S1104-21	S1104-22	S1104-23	S1105-24	S1105-25
	LAB ID	147891	148021	148022	148023	148024	148025	148028	148027
	UNITS								
Chloromethane	ug/Kg	10 U	12 U	11 U	11 U	11 U	13 U	12 U	11 U
Bromomethane	ug/Kg	10 U	12 U	11 U	11 U	11 U	13 U	12 U	11 U
Vinyl Chloride	ug/Kg	10 U	12 U	11 U	11 U	11 U	13 U	12 U	11 U
Chloroethane	ug/Kg	10 U	12 U	11 U	11 U	11 U	13 U	12 U	11 U
Methyl Chloride	ug/Kg	3 J	2 BJ	2 BJ	2 BJ	2 BJ	2 BJ	3 BJ	1 BJ
Acetone	ug/Kg	29 B	5 BJ	4 BJ	13 B	11 B	29 B	13 B	5 BJ
Carbon Disulfide	ug/Kg	3 J	6 U	6 U	6 U	5 U	7 U	6 U	5 U
1,1-Dichloroethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
1,1-Dichloroethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
1,2-Dichloroethane (total)	ug/Kg	5 U	6 U	6 U	6 U	12	6	6 U	5 U
Chloroform	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	2 J	5 U
1,2-Dichloroethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
2-Butanone	ug/Kg	10 U	12 U	11 U	11 U	11 U	13 U	12 U	11 U
1,1,1-Trichloroethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
Carbon Tetrachloride	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
Vinyl Acetate	ug/Kg	10 U	12 U	11 U	11 U	11 U	13 U	12 U	11 U
Bromodichloromethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
1,2-Dichloropropane	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
cis-1,3-Dichloropropene	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
Trichloroethene	ug/Kg	5 U	6 U	6 U	6 U	5 J	4 J	6 U	5 U
Dibromochloromethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
1,1,2-Trichloroethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
Benzene	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
trans-1,3-Dichloropropene	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
Bromoform	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
4-Methyl-2-Pentanone	ug/Kg	10 U	12 U	11 U	11 U	11 U	13 U	12 U	11 U
2-Hexanone	ug/Kg	10 U	12 U	11 U	11 U	11 U	13 U	12 U	11 U
Tetrachloroethene	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
1,1,2,2-Tetrachloroethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
Toluene	ug/Kg	6	6 U	6 U	6 U	5 J	7 U	2 J	5 U
Chlorobenzene	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
Ethylbenzene	ug/Kg	5 U	6 U	6 U	6 U	2 J	7 U	6 U	5 U
Styrene	ug/Kg	5 U	6 U	6 U	6 U	5 U	7 U	6 U	5 U
Xylene (total)	ug/Kg	5 U	6 U	6 U	6 U	8	7 U	6 U	5 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B8-91	B8-91	B9-91	B9-91	B9-91	B10-91	B10-91	B10-91
	DEPTH	2-4	8-8	0-2	2-4	6-8	2-4	2-4	6-8
	DATE	11/05/91	11/05/91	11/05/91	11/05/91	11/05/91	11/06/91	11/06/91	11/06/91
	MAIN ID	S1105-28 (1)	S1105-27	S1105-28	S1105-29	S1105-30	S1106-32	S1106-33 (1)	S1106-34
	LAB ID	148028	148029	148030	148031	148032	148458	148459	148460
	UNITS								
Chloromethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	12 U	11 U	11 U
Bromomethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	12 U	11 U	11 U
Vinyl Chloride	ug/Kg	11 U	11 U	11 U	11 U	11 U	12 U	11 U	92
Chloroethane	ug/Kg	11 U	11 U	11 U	11 U	11 U	12 U	11 U	3 J
Methyl Chloride	ug/Kg	2 BJ	2 BJ	2 BJ	2 BJ	3 BJ	2 BJ	1 BJ	1 BJ
Acetone	ug/Kg	11 U	3 BJ	11 BJ	11 U	3 BJ	43 B	11 U	7 BJ
Carbon Disulfide	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	1 J
1,1-Dichloroethane	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
1,2-Dichloroethane (total)	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	1400 E
Chloroform	ug/Kg	4 J	5 U	6 U	4 J	1 J	6 U	6 U	6 U
1,2-Dichloroethane	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
2-Butanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	12 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
Carbon Tetrachloride	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
Vinyl Acetate	ug/Kg	11 U	11 U	11 U	11 U	11 U	12 U	11 U	11 U
Bromodichloromethane	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
1,2-Dichloropropane	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
Trichloroethene	ug/Kg	6 U	5 U	6 U	6 U	5 U	4 J	6 U	220
Dibromochloromethane	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
1,1,2-Trichloroethane	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
Benzene	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
Bromoform	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	12 U	11 U	11 U
2-Hexanone	ug/Kg	11 U	11 U	11 U	11 U	11 U	12 U	11 U	11 U
Tetrachloroethene	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
Toluene	ug/Kg	6 U	5 U	6 U	6 U	5 U	2 J	2 J	6 U
Chlorobenzene	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
Ethylbenzene	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	3 J	6 U
Styrene	ug/Kg	6 U	5 U	6 U	6 U	5 U	6 U	6 U	6 U
Xylene (total)	ug/Kg	6 U	5 U	6 U	6 U	5 U	5 J	20	6 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION	SCIL	SCIL	SCIL	SCIL	SCIL	SCIL	SCIL	SCIL
	DEPTH	B10-91	B11-91	B11-91	B11-91	B12-91	B12-91	B12-91	B13-91
	DATE	0-8	0-2	2-4	0-8	0-2	2-4	0-8	0-2
	MAIN ID	11/06/91	11/06/91	11/06/91	11/06/91	11/07/91	11/07/91	11/07/91	11/07/91
	LAB ID	S1106-34DL(5)	S1106-36	S1106-37	S1106-38	S1107-39	S1107-40	S1107-41	S1107-42
	UNITS	148480	148482	148483	148484	148704	148705	148706	148707
Chloromethane	ug/Kg	52 U	11 U	10 U	11 U	12 U	11 U	11 U	12 U
Bromomethane	ug/Kg	52 U	11 U	10 U	11 U	12 U	11 U	11 U	12 U
Vinyl Chloride	ug/Kg	71 D	11 U	10 U	11 U	12 U	11 U	11 U	12 U
Chloroethane	ug/Kg	52 U	11 U	10 U	11 U	12 U	11 U	11 U	12 U
Methyl Chloride	ug/Kg	8 BJ	2 BJ	3 BJ	2 BJ	2 BJ	3 BJ	2 BJ	2 BJ
Acetone	ug/Kg	52 U	11 U	3 BJ	36 B	12 U	5 BJ	11 B	12 U
Carbon Disulfide	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
1,1-Dichloroethane	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
1,1-Dichloroethane	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
1,2-Dichloroethane (total)	ug/Kg	1300 D	8 U	5 U	8 U	8 U	2 J	5 U	8 U
Chloroform	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
1,2-Dichloroethane	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
2-Butanone	ug/Kg	52 U	11 U	10 U	8 J	12 U	11 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
Carbon Tetrachloride	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
Vinyl Acetate	ug/Kg	52 U	11 U	10 U	11 U	12 U	11 U	11 U	12 U
Bromodichloromethane	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
1,2-Dichloropropane	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
cis-1,3-Dichloropropene	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
Trichloroethene	ug/Kg	230 D	8 U	5 U	8 U	8 U	2 J	2 J	8 U
Dibromochloromethane	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
1,1,2-Trichloroethene	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
Benzene	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
trans-1,3-Dichloropropene	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
Bromofom	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
4-Methyl-2-Pentanone	ug/Kg	52 U	11 U	10 U	11 U	12 U	11 U	11 U	12 U
2-Hexanone	ug/Kg	52 U	11 U	10 U	11 U	12 U	11 U	11 U	12 U
Tetrachloroethene	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
1,1,2,2-Tetrachloroethane	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
Toluene	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
Chlorobenzene	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
Ethylbenzene	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
Styrene	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U
Xylene (total)	ug/Kg	28 U	8 U	5 U	8 U	8 U	5 U	5 U	8 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	SOIL B13-91 2-4 11/07/91 S1107-43 148708	SOIL B13-91 6-8 11/07/91 S1107-44 148709	SOIL B14-91 0-2 11/08/91 S1108-45 148710	SOIL B14-91 2-4 11/08/91 S1108-48 148711	SOIL B14-91 2-4 11/08/91 S1108-47 (1) 148712	SOIL B14-91 4-6 11/08/91 S1108-48 148713	SOIL B14-91 4-6 11/08/91 S1108-48RE(4) 148713	SOIL B15-91 0-2 11/08/91 S1108-49 148714
Chloromethane	ug/Kg	11 U	11 U	12 U	11 U	11 U	10 U	10 U	38 U
Bromomethane	ug/Kg	11 U	11 U	12 U	11 U	11 U	10 U	10 U	38 U
Vinyl Chloride	ug/Kg	11 U	11 U	12 U	11 U	11 U	10 U	10 U	38 U
Chloroethane	ug/Kg	11 U	11 U	12 U	11 U	11 U	10 U	10 U	38 U
Methyl Chloride	ug/Kg	2 BJ	5 BJ	2 BJ	2 BJ	1 BJ	3 BJ	2 BJ	5 BJ
Acetone	ug/Kg	11 U	11 U	12 U	11 U	11 U	12 B	9 BJ	25 BJ
Carbon Disulfide	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
1,1-Dichloroethane	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
1,1-Dichloroethane	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
1,2-Dichloroethane (total)	ug/Kg	5 U	5 U	4 J	3 J	16	6	3 J	6600 E
Chloroform	ug/Kg	5 U	5 J	6 U	5 U	5 U	5 U	5 U	18 J
1,2-Dichloroethane	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
2-Butanone	ug/Kg	11 U	11 U	12 U	11 U	11 U	10 U	10 U	38 U
1,1,1-Trichloroethane	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
Carbon Tetrachloride	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
Vinyl Acetate	ug/Kg	11 U	11 U	12 U	11 U	11 U	10 U	10 U	38 U
Bromodichloromethane	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
1,2-Dichloropropane	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
cis-1,3-Dichloropropene	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
Trichloroethene	ug/Kg	5 U	5 U	7	3 J	6	6	5	13000 E
Dibromochloromethane	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
1,1,2-Trichloroethene	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
Benzene	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
trans-1,3-Dichloropropene	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
Bromoform	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	12 U	11 U	11 U	10 U	10 U	38 U
2-Hexanone	ug/Kg	11 U	11 U	12 U	11 U	11 U	10 U	10 U	38 U
Tetrachloroethene	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	7 J
1,1,2,2-Tetrachloroethane	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
Toluene	ug/Kg	5 U	1 J	2 J	5 U	5 U	3 J	2 J	4 J
Chlorobenzene	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
Ethylbenzene	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
Styrene	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U
Xylene (total)	ug/Kg	5 U	5 U	6 U	5 U	5 U	5 U	5 U	19 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

updated to
 Sample number

COMPOUND	MATRIX	SCIL	SCIL	SCIL	SCIL	SCIL	SCIL	SCIL	SCIL
	LOCATION	B15-91	B15-91	B15-91	B15-91	B15-91	B15-91	B15-91	B15-91
	DEPTH	0-2	2-4	2-4	2-4	2-4	2-4	2-4	2-4
	DATE	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91
	MAIN ID	S1108-49DL(5)	S1108-50	S1108-50DL(5)	S1108-51 (1)	S1108-51DL(5)	S1108-52	S1108-52DL(5)	S1112-53
	LAB ID	148714	148715	148715	148716	148716	148717	148717	148925
	UNITS								
Chloromethane	ug/Kg	6300 U	2200 U	27000 U	29000 U	48000 U	1400 U	3400 U	12 U
Bromomethane	ug/Kg	6300 U	2200 U	27000 U	29000 U	48000 U	1400 U	3400 U	12 U
Vinyl Chloride	ug/Kg	6300 U	2200 U	27000 U	29000 U	48000 U	1400 U	3400 U	12 U
Chloroethane	ug/Kg	6300 U	2200 U	27000 U	29000 U	48000 U	1400 U	3400 U	12 U
Methyl Chloride	ug/Kg	1200 BJ	440 BJ	4400 BJ	4600 BJ	7500 BJ	520 BJ	540 BJ	2 BJ
Acetone	ug/Kg	3200 BJ	800 BJ	27000 U	8400 J	17000 BJ	1400 U	1100 BJ	5 BJ
Carbon Disulfide	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
1,1-Dichloroethane	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
1,1-Dichloroethane	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
1,2-Dichloroethane (total)	ug/Kg	29000 D	40000	38000 D	79000	69000 D	11000	19000 D	6 U
Chloroform	ug/Kg	3100 U	1100 U	14000 U	14000 U	5300 JD	680 U	1700 U	6 U
1,2-Dichloroethane	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
2-Butanone	ug/Kg	6300 U	2200 U	27000 U	29000 U	48000 U	1400 U	3400 U	12 U
1,1,1-Trichloroethane	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
Carbon Tetrachloride	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
Vinyl Acetate	ug/Kg	6300 U	2200 U	27000 U	29000 U	48000 U	1400 U	3400 U	12 U
Bromodichloromethane	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
1,2-Dichloropropane	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
cis-1,3-Dichloropropene	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
Trichloroethane	ug/Kg	110000 D	880000 D	470000 D	740000 E	540000 D	29000 E	38000 D	6 U
Dibromochloromethane	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
1,1,2-Trichloroethane	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
Benzene	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
trans-1,3-Dichloropropene	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
Bromoform	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
4-Methyl-2-Pentanone	ug/Kg	6300 U	2200 U	27000 U	29000 U	48000 U	1400 U	3400 U	12 U
2-Hexanone	ug/Kg	6300 U	2200 U	27000 U	29000 U	48000 U	1400 U	3400 U	12 U
Tetrachloroethane	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
1,1,2,2-Tetrachloroethane	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
Toluene	ug/Kg	570 JD	3700	4800 JD	5700 J	6900 JD	650	970 JD	6 U
Chlorobenzene	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
Ethylbenzene	ug/Kg	3100 U	2000	14000 U	2800 J	24000 U	600	1700 U	6 U
Styrene	ug/Kg	3100 U	1100 U	14000 U	14000 U	24000 U	680 U	1700 U	6 U
Xylenes (total)	ug/Kg	3100 U	14000	15000 D	17000	18000 JD	4900	12000 D	6 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B16-01	B16-01	B17-01	B17-01	B17-01	B17-01	B17-01	B17-01
	DEPTH	2-4	0-6	0-2	0-2	2-4	2-4	4-6	0-6
	DATE	11/12/91	11/12/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91
	MAIN ID	S1112-54	S1112-55	S1113-50	S1113-50RE(4)	S1113-57	S1113-57DL(5)	S1113-58	S1113-50 (2)
	LAB ID	148928	148927	148928	148928	148929	148929	148930	148931
	UNITS								
Chloromethane	ug/Kg	11 U	10 U	11 U	11 U	12 U	16 U	12 U	33 U
Bromomethane	ug/Kg	11 U	10 U	11 U	11 U	12 U	16 U	12 U	33 U
Vinyl Chloride	ug/Kg	11 U	10 U	11 U	11 U	12 U	16 U	12 U	33 U
Chloroethane	ug/Kg	11 U	10 U	11 U	11 U	12 U	16 U	12 U	33 U
Methyl Chloride	ug/Kg	3 BJ	1 BJ	2 BJ	2 BJ	3 BJ	3 BJ	3 BJ	7 BJ
Acetone	ug/Kg	15 B	27 B	4 BJ	16 B	6 BJ	10 BJ	15 B	16 BJ
Carbon Disulfide	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
1,1-Dichloroethane	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
1,1-Dichloroethane	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
1,2-Dichloroethane (total)	ug/Kg	6 U	5 U	5 U	5 U	14	13 D	4 J	190
Chloroform	ug/Kg	2 J	5 U	5 U	5 U	6 U	6 U	6 U	17 U
1,2-Dichloroethane	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	21
2-Butanone	ug/Kg	11 U	10 U	11 U	11 U	12 U	16 U	12 U	33 U
1,1,1-Trichloroethane	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
Carbon Tetrachloride	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
Vinyl Acetate	ug/Kg	11 U	10 U	11 U	11 U	12 U	16 U	12 U	33 U
Bromodichloromethane	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
1,2-Dichloropropane	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
cis-1,3-Dichloropropene	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
Trichloroethene	ug/Kg	6 U	7	9	9	260 E	210 D	47	540
Dibromochloromethane	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
1,1,2-Trichloroethane	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
Benzene	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
trans-1,3-Dichloropropene	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
Bromofom	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
4-Methyl-2-Pentanone	ug/Kg	11 U	10 U	11 U	11 U	12 U	16 U	12 U	33 U
2-Hexanone	ug/Kg	11 U	10 U	11 U	11 U	12 U	16 U	12 U	33 U
Tetrachloroethene	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
1,1,2,2-Tetrachloroethane	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
Toluene	ug/Kg	6 U	6	5 U	1 J	5 J	3 JD	6 U	17 U
Chlorobenzene	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
Ethylbenzene	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
Styrene	ug/Kg	6 U	5 U	5 U	5 U	6 U	6 U	6 U	17 U
Xylene (total)	ug/Kg	6 U	28	5 U	5 U	6 U	6 U	6 U	17 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	DEPTH	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
UNITS	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
	B18-01	B18-01	B18-01	B18-01	B19-01	B19-01	B19-01	B20-01	B20-01
	0-2	2-4	4-6	4-6	0-2	2-4	4-6	0-2	2-4
	11/13/01	11/13/01	11/13/01	11/13/01	11/13/01	11/13/01	11/13/01	11/14/01	11/14/01
	S1113-00	S1113-01	S1113-02	S1113-03	S1113-04	S1113-05	S1113-06	S1114-08	S1114-07
	148932	148933	148934	148935	148936	148937	148938	149176	149177
Chloromethane	ug/Kg	12 U	11 U	11 U	12 U	12 U	11 U	12 U	11 U
Bromomethane	ug/Kg	12 U	11 U	11 U	12 U	12 U	11 U	12 U	11 U
Vinyl Chloride	ug/Kg	12 U	11 U	11 U	12 U	12 U	11 U	12 U	11 U
Chloroethane	ug/Kg	12 U	11 U	11 U	12 U	12 U	11 U	12 U	11 U
Methyl Chloride	ug/Kg	2 BJ	2 BJ	2 BJ	1 BJ	0 B	2 BJ	3 BJ	2 BJ
Acetone	ug/Kg	12 U	11 U	11 U	12 U	7 BJ	0 BJ	10 BJ	0 BJ
Carbon Disulfide	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
1,1-Dichloroethane	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
1,1-Dichloroethane	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
1,2-Dichloroethane (total)	ug/Kg	0 U	4 J	5 U	0 U	0 U	5 U	0 U	0 U
Chloroform	ug/Kg	0 U	4 J	0	0 U	1 J	5 U	0 U	0 U
1,2-Dichloroethane	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
2-Butanone	ug/Kg	12 U	11 U	11 U	12 U	10 J	11 U	12 U	11 U
1,1,1-Trichloroethane	ug/Kg	0 U	3 J	5 U	0 U	0 U	5 U	0 U	0 U
Carbon Tetrachloride	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
Vinyl Acetate	ug/Kg	12 U	11 U	11 U	12 U	12 U	11 U	12 U	11 U
Bromodichloromethane	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
1,2-Dichloropropane	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
cis-1,3-Dichloropropene	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
Trichloroethane	ug/Kg	0 U	5 U	5 U	0 U	1 J	5 U	0 U	2 J
Dibromochloromethane	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
1,1,2-Trichloroethane	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
Benzene	ug/Kg	0 U	5 U	5 U	0 U	2 J	5 U	0 U	0 U
trans-1,3-Dichloropropene	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
Bromoform	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
4-Methyl-2-Pentanone	ug/Kg	12 U	11 U	11 U	12 U	12 U	11 U	12 U	11 U
2-Hexanone	ug/Kg	12 U	11 U	11 U	12 U	12 U	11 U	12 U	11 U
Tetrachloroethane	ug/Kg	0 U	0	5 U	0 U	0 U	5 U	0 U	0 U
1,1,2,2-Tetrachloroethane	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
Toluene	ug/Kg	0 U	5 U	5 U	0 U	15	5 U	0 U	0 U
Chlorobenzene	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
Ethylbenzene	ug/Kg	0 U	5 U	5 U	0 U	4 J	5 U	0 U	0 U
Styrene	ug/Kg	0 U	5 U	5 U	0 U	0 U	5 U	0 U	0 U
Xylene (total)	ug/Kg	0 U	5 U	5 U	0 U	10	5 U	0 U	0 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B20-01	B21-01	B21-01	B21-01	B21-01	B21-01	B22-01	B22-01
	DEPTH	4-6	0-2	2-4	2-4	4-6	0-2	2-4	4-6
	DATE	11/14/01	11/14/01	11/14/01	11/14/01	11/14/01	12/02/01	12/02/01	12/02/01
	MAIN ID	S1114-00	S1114-00	S1114-70	S1114-71 (1)	S1114-72	S1202-73 (3)	S1202-74 (3)	S1202-75(3)
	LAB ID	149178	149179	149180	149181	149182	150016	150017	150018
	UNITS								
Chloromethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	10 U	11 U
Bromomethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	10 U	11 U
Vinyl Chloride	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	10 U	11 U
Chloroethane	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	10 U	11 U
Methyl Chloride	ug/Kg	2 BJ	3 BJ	2 BJ	1 BJ	2 BJ	2 BJ	1 BJ	1 BJ
Acetone	ug/Kg	5 BJ	31 B	12 U	11 U	6 BJ	9 BJ	11 B	8 BJ
Carbon Disulfide	5 U	6 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
1,1-Dichloroethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
1,1-Dichloroethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
1,2-Dichloroethane (total)	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
Chloroform	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
1,2-Dichloroethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
2-Butanone	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	10 U	11 U
1,1,1-Trichloroethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
Carbon Tetrachloride	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
Vinyl Acetate	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	10 U	11 U
Bromodichloromethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
1,2-Dichloropropane	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
cis-1,3-Dichloropropene	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
Trichloroethene	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
Dibromochloromethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
1,1,2-Trichloroethene	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
Benzene	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
trans-1,3-Dichloropropene	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
Bromoform	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
4-Methyl-2-Pentanone	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	10 U	11 U
2-Hexanone	ug/Kg	11 U	12 U	12 U	11 U	11 U	12 U	10 U	11 U
Tetrachloroethene	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
Toluene	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
Chlorobenzene	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
Ethylbenzene	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
Styrene	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U
Xylene (total)	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	5 U	5 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B23-01	B23-01	B23-01	B24-01	B24-01	B24-01	B25-01	B25-01
	DEPTH	0-2	2-4	4-6	0-2	2-4	4-6	0-2	2-4
	DATE	12/02/91	12/02/91	12/02/91	12/03/91	12/03/91	12/03/91	12/03/91	12/03/91
	MAIN ID	S1202-76	S1202-77	S1202-78	S1203-79 (3)	S1203-80 (3)	S1203-81 (3)	S1203-82	S1203-83
	LAB ID	150019	150020	150021	150022	150023	150024	150025	150026
	UNITS								
Chloromethane	ug/Kg	12 U	11 U	11 U	13 U	11 U	11 U	13 U	12 U
Bromomethane	ug/Kg	12 U	11 U	11 U	13 U	11 U	11 U	13 U	12 U
Vinyl Chloride	ug/Kg	12 U	11 U	11 U	13 U	11 U	11 U	13 U	12 U
Chloroethane	ug/Kg	12 U	11 U	11 U	13 U	11 U	11 U	13 U	12 U
Methyl Chloride	ug/Kg	2 BJ	2 BJ	2 BJ	0 U	5 U	5 U	0 U	0 U
Acetone	ug/Kg	0 BJ	13 B	12 B	13 U	11 U	1 BJ	2 BJ	12 U
Carbon Disulfide	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
1,1-Dichloroethane	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
1,1-Dichloroethane	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
1,2-Dichloroethane (total)	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
Chloroform	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
1,2-Dichloroethane	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
2-Butanone	ug/Kg	12 U	11 U	11 U	13 U	11 U	11 U	13 U	12 U
1,1,1-Trichloroethane	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
Carbon Tetrachloride	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
Vinyl Acetate	ug/Kg	12 U	11 U	11 U	13 U	11 U	11 U	13 U	12 U
Bromodichloromethane	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
1,2-Dichloropropane	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
cis-1,3-Dichloropropene	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
Trichloroethene	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
Dibromochloromethane	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
1,1,2-Trichloroethene	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
Benzene	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
trans-1,3-Dichloropropene	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
Bromoform	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
4-Methyl-2-Pentanone	ug/Kg	12 U	11 U	11 U	13 U	11 U	11 U	13 U	12 U
2-Hexanone	ug/Kg	12 U	11 U	11 U	13 U	11 U	11 U	13 U	12 U
Tetrachloroethene	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
1,1,2,2-Tetrachloroethane	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
Toluene	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
Chlorobenzene	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
Ethylbenzene	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
Styrene	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U
Xylene (total)	ug/Kg	0 U	5 U	0 U	0 U	5 U	5 U	0 U	0 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B25-91	B25-91	B27-91	B27-91	B28-91	B28-91	B28-91	B28-91
	DEPTH	4-6	4-6	0-2	2-4	0-2	2-4	2-4	2-4
	DATE	12/03/91	12/03/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91
	MAIN ID	S1203-64	S1203-84RE(4)	S1204-86 (2,3)	S1204-87 (3)	S1204-88 (3)	S1204-89A(1)	S1204-89	S1204-89DL(5)
	LAB ID	150027	150027	150235	150236	150237	150240	150236	150238
	UNITS								
Chloromethane	ug/Kg	11 U	11 U	12 U	12 U	12 U	56 U	39 U	59 U
Bromomethane	ug/Kg	11 U	11 U	12 U	12 U	12 U	56 U	39 U	59 U
Vinyl Chloride	ug/Kg	11 U	11 U	12 U	12 U	12 U	56 U	39 U	59 U
Chloroethane	ug/Kg	11 U	11 U	12 U	12 U	12 U	56 U	39 U	59 U
Methyl Chloride	ug/Kg	6 U	2 BJ	6 U	6 U	2 BJ	15 BJ	6 BJ	10 BJ
Acetone	ug/Kg	2 BJ	12 B	12 U	12 U	10 BJ	56 B	13 BJ	59 U
Carbon Disulfide	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
1,1-Dichloroethane	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
1,1-Dichloroethane	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
1,2-Dichloroethane (total)	ug/Kg	5 U	5 U	100	250	160	1600	20 U	440
Chloroform	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	32
1,2-Dichloroethane	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
2-Butanone	ug/Kg	11 U	11 U	12 U	12 U	12 U	56 U	39 U	59 U
1,1,1-Trichloroethane	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
Carbon Tetrachloride	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
Vinyl Acetate	ug/Kg	11 U	11 U	12 U	12 U	12 U	56 U	39 U	59 U
Bromodichloromethane	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
1,2-Dichloropropane	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
cis-1,3-Dichloropropene	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
Trichloroethene	ug/Kg	5 U	5 U	10	13	18	74	63	31
Dibromochloromethane	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
1,1,2-Trichloroethane	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
Benzene	ug/Kg	6 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
trans-1,3-Dichloropropene	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
Bromoform	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	12 U	12 U	12 U	56 U	39 U	59 U
2-Hexanone	ug/Kg	11 U	11 U	12 U	12 U	12 U	56 U	39 U	59 U
Tetrachloroethene	ug/Kg	5 U	5 U	4 J	6 U	6 U	26 U	20 U	29 U
1,1,2,2-Tetrachloroethane	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
Toluene	ug/Kg	1 J	1 J	6 U	6 U	6 U	26 U	20 U	29 U
Chlorobenzene	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
Ethylbenzene	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
Styrene	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U
Xylene (total)	ug/Kg	5 U	5 U	6 U	6 U	6 U	26 U	20 U	29 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B28-91	B29-91	B29-91	B29-91	B29-91	B29-91	B29-91	B30-91
	DEPTH	4-6	0-2	0-2	0-2	4-6	4-6	0-2	0-2
	DATE	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91
	MAIN ID	S1204-90 (3)	S1204-92	S1204-91	S1204-91A(1)	S1204-93	S1204-93A(1)	S1204-94	S1204-94A(1)
	LAB ID	150241	150244	150242	150243	150245	150246	150247	150248
	UNITS								
Chloromethane	ug/Kg	1400 U	41 U	12 U	12 U	1400 U	1400 U	12 U	12 U
Bromomethane	ug/Kg	1400 U	41 U	12 U	12 U	1400 U	1400 U	12 U	12 U
Vinyl Chloride	ug/Kg	1400 U	41 U	12 U	12 U	1400 U	1400 U	12 U	12 U
Chloroethane	ug/Kg	1400 U	41 U	12 U	12 U	1400 U	1400 U	12 U	12 U
Methyl Chloride	ug/Kg	390 BJ	10 BJ	4 BJ	2 BJ	390 BJ	410 BJ	1 BJ	2 BJ
Acetone	ug/Kg	1400 U	42 B	12 U	5 BJ	1400 U	1400 U	12 U	12 U
Carbon Disulfide	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
1,1-Dichloroethane	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
1,1-Dichloroethane	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
1,2-Dichloroethane (total)	ug/Kg	20000	610	76	66	14000	11000	45	31
Chloroform	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	4 J
1,2-Dichloroethane	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
2-Butanone	ug/Kg	1400 U	41 U	12 U	12 U	1400 U	1400 U	12 U	12 U
1,1,1-Trichloroethane	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
Carbon Tetrachloride	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
Vinyl Acetate	ug/Kg	1400 U	41 U	12 U	12 U	1400 U	1400 U	12 U	12 U
Bromodichloromethane	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
1,2-Dichloropropane	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
cis-1,3-Dichloropropene	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
Trichloroethene	ug/Kg	2900	250	49	56	21000	17000	5 J	5 J
Dibromochloromethane	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
1,1,2-Trichloroethane	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
Benzene	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
trans-1,3-Dichloropropene	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
Bromoforn	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
4-Methyl-2-Pentanone	ug/Kg	1400 U	41 U	12 U	12 U	1400 U	1400 U	12 U	12 U
2-Hexanone	ug/Kg	1400 U	41 U	12 U	12 U	1400 U	1400 U	12 U	12 U
Tetrachloroethene	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
Toluene	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
Chlorobenzene	ug/Kg	990 U	21 U	6 U	6 U	820 J	380 J	6 U	6 U
Ethylbenzene	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
Styrene	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U
Xylene (total)	ug/Kg	990 U	21 U	6 U	6 U	690 U	700 U	6 U	6 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	SOIL B30-91 2-4 12/04/91 S1204-95RE(4) 150249	SOIL B30-91 2-4 12/04/91 S1204-95 150249	SOIL B30-91 4-6 12/04/91 S1204-98 150250	SOIL B30-91 4-6 12/04/91 S1204-98A(1) 150251	SOIL B30-91 4-6 12/04/91 S1204-98ADL(5) 150251	SOIL B31-91 0-2 12/05/91 S1205-97 150252	SOIL B31-91 0-2 12/05/91 S1205-97A 150253	SOIL B31-91 2-4 12/05/91 S1205-98(3) 150254
Chloromethane	ug/Kg	57 U	57 U	1400 U	1400 U	2800 U	12 U	12 U	12 U
Bromomethane	ug/Kg	57 U	57 U	1400 U	1400 U	2800 U	12 U	12 U	12 U
Vinyl Chloride	ug/Kg	57 U	57 U	1400 U	1400 U	2800 U	12 U	12 U	12 U
Chloroethane	ug/Kg	57 U	57 U	1400 U	1400 U	2800 U	12 U	12 U	12 U
Methyl Chloride	ug/Kg	9 BJ	9 BJ	350 BJ	670 BJ	1500 BD	3 BJ	2 BJ	2 BJ
Acetone	ug/Kg	57 U	57 U	1400 U	680 J	4100 D	6 BJ	6 BJ	12 U
Carbon Disulfide	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
1,2-Dichloroethane (total)	ug/Kg	1400	1700	18000	18000	4100 D	6 U	6 U	6 U
Chloroform	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	5 J
1,2-Dichloroethane	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
2-Butanone	ug/Kg	57 U	57 U	1400 U	1400 U	2800 U	12 U	12 U	12 U
1,1,1-Trichloroethane	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
Carbon Tetrachloride	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
Vinyl Acetate	ug/Kg	57 U	57 U	1400 U	1400 U	2800 U	12 U	12 U	12 U
Bromodichloromethane	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
1,2-Dichloropropane	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
cis-1,3-Dichloropropene	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
Trichloroethene	ug/Kg	110	91	450 J	390 J	1400 U	23	110	5 J
Dibromochloromethane	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
1,1,2-Trichloroethene	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
Benzene	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
trans-1,3-Dichloropropene	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
Bromoform	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
4-Methyl-2-Pentanone	ug/Kg	57 U	57 U	1400 U	1400 U	2800 U	12 U	12 U	12 U
2-Hexanone	ug/Kg	57 U	57 U	1400 U	1400 U	2800 U	12 U	12 U	12 U
Tetrachloroethene	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
1,1,2,2-Tetrachloroethane	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
Toluene	ug/Kg	29 U	29 U	410 J	640 J	420 JD	6 U	6 U	6 U
Chlorobenzene	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
Ethylbenzene	ug/Kg	29 U	29 U	720 U	680 J	520 JD	6 U	6 U	6 U
Styrene	ug/Kg	29 U	29 U	720 U	710 U	1400 U	6 U	6 U	6 U
Xylene (total)	ug/Kg	41	26	970	2100	970 JD	6 U	6 U	6 U

**ASH LANDFILL
SOIL VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL
	LOCATION	B31-91	B31-91	B31-91
	DEPTH	4-6	6-8	6-8
	DATE	12/05/91	12/05/91	12/05/91
	MAIN ID	S1205-99	S1205-100(2)	S1205-100RE(4)
	LAB ID	150255	150256	150256
	UNITS			
Chloromethane	ug/Kg	56 U	63 U	63 U
Bromomethane	ug/Kg	56 U	63 U	63 U
Vinyl Chloride	ug/Kg	66	370	320
Chloroethane	ug/Kg	56 U	63 U	63 U
Methyl Chloride	ug/Kg	14 BJ	10 BJ	11 BJ
Acetone	ug/Kg	56 U	63 U	57 BJ
Carbon Disulfide	ug/Kg	120	32 U	32 U
1,1-Dichloroethane	ug/Kg	28 U	32 U	32 U
1,1-Dichloroethane	ug/Kg	28 U	32 U	32 U
1,2-Dichloroethane (total)	ug/Kg	660	630	600
Chloroform	ug/Kg	28 U	32 U	32 U
1,2-Dichloroethane	ug/Kg	28 U	32 U	32 U
2-Butanone	ug/Kg	56 U	63 U	63 U
1,1,1-Trichloroethane	ug/Kg	28 U	32 U	32 U
Carbon Tetrachloride	ug/Kg	28 U	32 U	32 U
Vinyl Acetate	ug/Kg	56 U	63 U	63 U
Bromodichloromethane	ug/Kg	28 U	32 U	32 U
1,2-Dichloropropane	ug/Kg	28 U	32 U	32 U
cis-1,3-Dichloropropane	ug/Kg	28 U	32 U	32 U
Trichloroethene	ug/Kg	2400 E	640	610
Dibromochloromethane	ug/Kg	28 U	32 U	32 U
1,1,2-Trichloroethane	ug/Kg	28 U	32 U	32 U
Benzene	ug/Kg	6 J	32 U	32 U
trans-1,3-Dichloropropene	ug/Kg	28 U	32 U	32 U
Bromoform	ug/Kg	28 U	32 U	32 U
4-Methyl-2-Pentanone	ug/Kg	11 BJ	63 U	63 U
2-Hexanone	ug/Kg	56 U	63 U	63 U
Tetrachloroethene	ug/Kg	28 U	32 U	32 U
1,1,2,2-Tetrachloroethane	ug/Kg	28 U	32 U	32 U
Toluene	ug/Kg	66	32 U	32 U
Chlorobenzene	ug/Kg	28 U	32 U	32 U
Ethylbenzene	ug/Kg	23 J	32 U	32 U
Styrene	ug/Kg	28 U	32 U	32 U
Xylenes (total)	ug/Kg	66	32 U	32 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		B1-91	B1-91	B1-91	B2-91	B2-91	B2-91	B3-91	B3-91
		0-2	2-4	4-8	0-2	2-4	0-8	0-2	4-8
		10/30/91	10/30/91	10/30/91	10/31/91	10/31/91	10/31/91	10/31/91	10/31/91
		S1030-1	S1030-2	S1030-3	S1031-4	S1031-5	S1031-8	S1031-8	S1031-10
		LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
		147824	147825	147826	147827	147828	147829	147831	147833
COMPOUND	UNITS								
Phenol	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
bis(2-Chloroethyl) ether	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
2-Chlorophenol	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
1,3-Dichlorobenzene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
1,4-Dichlorobenzene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Benzyl Alcohol	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
1,2-Dichlorobenzene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
2-Methylphenol	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
bis(2-Chloroisopropyl) ether	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
4-Methylphenol	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
N-Nitroso-di-n-propylamine	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Hexachloroethane	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Nitrobenzene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Isophorone	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
2-Nitrophenol	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
2,4-Dimethylphenol	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Benzoic acid	ug/Kg	3500 U	3500 U	3300 U	3400 U	3600 U	3500 U	4300 U	3500 U
bis(2-Chloroethoxy) methane	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
2,4-Dichlorophenol	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
1,2,4-Trichlorobenzene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Naphthalene	ug/Kg	720 U	730 U	690 U	270 J	210 J	360 J	690 U	730 U
4-Chloroaniline	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Hexachlorobutadiene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
4-Chloro-3-methylphenol	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
2-Methylnaphthalene	ug/Kg	720 U	730 U	690 U	280 J	730 U	240 J	690 U	730 U
Hexachlorocyclopentadiene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
2,4,6-Trichlorophenol	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
2,4,5-Trichlorophenol	ug/Kg	3500 U	3500 U	3300 U	3400 U	3600 U	3500 U	4300 U	3500 U
2-Chloronaphthalene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
2-Nitroaniline	ug/Kg	3500 U	3500 U	3300 U	3400 U	3600 U	3500 U	4300 U	3500 U
Dimethylphalate	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Acenaphthylene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
2,6-Dinitrotoluene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION	SOIL B4-91	SOIL B4-91	SOIL B4-91	SOIL B5-91	SOIL B5-91	SOIL B5-91	SOIL B6-91	SOIL B6-91
	DEPTH	0-2	2-4	4-8	0-2	2-4	4-8	0-2	2-4
	DATE	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91	11/04/91	11/04/91
	MAIN ID	S1101-12	S1101-13	S1101-14	S1101-15	S1101-16	S1101-17	S1104-19	S1104-20
	LAB ID	147885	147886	147887	147888	147889	147890	148021	148022
	UNITS								
Phenol	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
bis(2-Chloroethyl) ether	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
2-Chlorophenol	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
1,3-Dichlorobenzene	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
1,4-Dichlorobenzene	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
Benzyl Alcohol	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
1,2-Dichlorobenzene	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
2-Methylphenol	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
bis(2-Chloroisopropyl) ether	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
4-Methylphenol	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
N-Nitroso-d-n-propylamine	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
Hexachloroethane	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
Nitrobenzene	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
Isophorone	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
2-Nitrophenol	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
2,4-Dimethylphenol	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
Benzoic acid	ug/Kg	6300 U	3500 U	3400 U	4100 U	3500 U	3700 U	3800 U	3800 U
bis(2-Chloroethoxy) methane	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
2,4-Dichlorophenol	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
1,2,4-Trichlorobenzene	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
Naphthalene	ug/Kg	2400	720 U	710 U	210 J	730 U	780 U	780 U	740 U
4-Chloroaniline	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
Hexachlorobutadiene	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
4-Chloro-3-methylphenol	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
2-Methylnaphthalene	ug/Kg	610 J	720 U	710 U	120 J	730 U	780 U	780 U	740 U
Hexachlorocyclopentadiene	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
2,4,6-Trichlorophenol	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
2,4,5-Trichlorophenol	ug/Kg	6300 U	3500 U	3400 U	4100 U	3500 U	3700 U	3800 U	3800 U
2-Chloronaphthalene	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
2-Nitroaniline	ug/Kg	6300 U	3500 U	3400 U	4100 U	3500 U	3700 U	3800 U	3800 U
Dimethylphthalate	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
Acenaphthylene	ug/Kg	1300 U	720 U	710 U	310 J	730 U	780 U	780 U	740 U
2,6-Dinitrotoluene	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		B7-91	B7-91	B7-91	B8-91	B8-91	B8-91	B8-91	B8-91
		0-2	2-4	10-12	0-2	2-4	2-4	6-8	0-2
		11/04/91	11/04/91	11/04/91	11/05/91	11/05/91	11/05/91	11/05/91	11/05/91
		S1104-21	S1104-22	S1104-23	S1105-24	S1105-25	S1105-26 (1)	S1105-27	S1105-28
		148023	148024	148025	148026	148027	148028	148029	148030
COMPOUND	UNITS								
Phenol	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
bis(2-Chloroethyl) ether	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
2-Chlorophenol	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
1,3-Dichlorobenzene	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
1,4-Dichlorobenzene	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
Benzyl Alcohol	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
1,2-Dichlorobenzene	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
2-Methylphenol	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
bis(2-Chloroisopropyl) ether	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
4-Methylphenol	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
N-Nitroso-di-n-propylamine	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
Hexachloroethane	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
Nitrobenzene	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
Isophorone	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
2-Nitrophenol	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
2,4-Dimethylphenol	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
Benzoic acid	ug/Kg	9000 U	500 J	4200 U	3700 U	3800 U	3500 U	3400 U	3800 U
bis(2-Chloroethoxy) methane	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
2,4-Dichlorophenol	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
1,2,4-Trichlorobenzene	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
Naphthalene	ug/Kg	830 J	440 J	870 U	780 U	750 U	720 U	700 U	780 U
4-Chloroaniline	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
Hexachlorobutadiene	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
4-Chloro-3-methylphenol	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
2-Methylnaphthalene	ug/Kg	430 J	380 J	870 U	780 U	750 U	720 U	700 U	780 U
Hexachlorocyclopentadiene	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
2,4,6-Trichlorophenol	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
2,4,5-Trichlorophenol	ug/Kg	9000 U	3500 U	4200 U	3700 U	3800 U	3500 U	3400 U	3800 U
2-Chloronaphthalene	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
2-Nitroaniline	ug/Kg	9000 U	3500 U	4200 U	3700 U	3800 U	3500 U	3400 U	3800 U
Dimethylphalate	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
Acenaphthylene	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
2,6-Dinitrotoluene	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL B9-91	SOIL B9-91	SOIL B10-91	SOIL B10-91	SOIL B10-91	SOIL B10-91	SOIL B10-91	SOIL B11-91	SOIL B11-91
	DEPTH	2-4	6-8	0-2	2-4	2-4	6-8	0-2	0-2	2-4
	DATE	11/05/91	11/05/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91
	MAIN ID	S1105-29	S1105-30	S1108-31	S1108-32	S1108-33 (1)	S1108-34	S1108-36	S1108-37	S1108-37
	LAB ID	148031	148032	148457	148458	148459	148480	148482	148483	148483
COMPOUND	UNITS									
Phenol	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
bis(2-Chloroethyl) ether	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
2-Chlorophenol	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
1,3-Dichlorobenzene	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
1,4-Dichlorobenzene	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
Benzyl Alcohol	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
1,2-Dichlorobenzene	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
2-Methylphenol	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
bis(2-Chloroisopropyl) ether	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
4-Methylphenol	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
N-Nitroso-di-n-propylamine	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
Hexachloroethane	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
Nitrobenzene	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
Isophorone	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
2-Nitrophenol	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
2,4-Dimethylphenol	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
Benzoic acid	ug/Kg	3500 U	3400 U	3800 U	3800 U	3700 U	3600 U	3800 U	3400 U	
bis(2-Chloroethoxy) methane	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
2,4-Dichlorophenol	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
1,2,4-Trichlorobenzene	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
Naphthalene	ug/Kg	730 U	710 U	310 J	730 U	780 U	750 U	780 U	710 U	
4-Chloroaniline	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
Hexachlorobutadiene	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
4-Chloro-3-methylphenol	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
2-Methylnaphthalene	ug/Kg	730 U	710 U	140 J	730 U	780 U	750 U	780 U	710 U	
Hexachlorocyclopentadiene	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
2,4,6-Trichlorophenol	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
2,4,5-Trichlorophenol	ug/Kg	3500 U	3400 U	3800 U	3800 U	3700 U	3600 U	3800 U	3400 U	
2-Chloronaphthalene	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
2-Nitroaniline	ug/Kg	3500 U	3400 U	3800 U	3800 U	3700 U	3600 U	3800 U	3400 U	
Dimethylphalate	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
Acenaphthylene	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	
2,6-Dinitrotoluene	ug/Kg	730 U	710 U	740 U	730 U	780 U	750 U	780 U	710 U	

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DEPTH	B11-91	B12-91	B12-91	B13-91	B13-91	B13-91	B13-91	B14-91	B14-91
DATE	6-8	0-2	2-4	0-2	2-4	6-8	0-2	2-4	
MAIN ID	11/08/91	11/07/91	11/07/91	11/07/91	11/07/91	11/07/91	11/08/91	11/08/91	
LAB ID	S1108-38	S1107-39	S1107-40	S1107-42	S1107-43	S1107-44	S1108-45	S1108-48	
UNITS	148484	148704	148705	148707	148708	148709	148710	148711	
Phenol	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
bis(2-Chloroethyl) ether	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
2-Chlorophenol	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
1,3-Dichlorobenzene	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
1,4-Dichlorobenzene	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
Benzyl Alcohol	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
1,2-Dichlorobenzene	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
2-Methylphenol	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
bis(2-Chloroisopropyl) ether	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
4-Methylphenol	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
N-Nitroso-di-n-propylamine	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
Hexachloroethane	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
Nitrobenzene	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
Isophorone	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
2-Nitrophenol	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
2,4-Dimethylphenol	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
Benzoic acid	ug/Kg	3500 U	3700 U	3400 U	4000 U	3400 U	3200 U	3700 U	3400 U
bis(2-Chloroethoxy) methane	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
2,4-Dichlorophenol	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
1,2,4-Trichlorobenzene	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
Naphthalene	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
4-Chloroaniline	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
Hexachlorobutadiene	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
4-Chloro-3-methylphenol	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
2-Methylnaphthalene	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
Hexachlorocyclopentadiene	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
2,4,6-Trichlorophenol	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
2,4,5-Trichlorophenol	ug/Kg	3500 U	3700 U	3400 U	4000 U	3400 U	3200 U	3700 U	3400 U
2-Chloronaphthalene	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
2-Nitroaniline	ug/Kg	3500 U	3700 U	3400 U	4000 U	3400 U	3200 U	3700 U	3400 U
Dimethylphthalate	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
Acenaphthylene	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U
2,6-Dinitrotoluene	ug/Kg	720 U	780 U	700 U	810 U	710 U	870 U	780 U	700 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B14-91	B14-91	B15-91	B15-91	B15-91	B15-91	B15-91	B15-91
	DEPTH	2-4	4-8	0-2	2-4	2-4	2-4	2-4	2-4
	DATE	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91
	MAIN ID	S1108-47 (1)	S1108-48	S1108-49	S1108-50	S1108-50RE(4)	S1108-51 (1)	S1108-51RE(1,4)	S1108-52
	LAB ID	148712	148713	148714	148715	148715	148718	148718	148717
	UNITS								
Phenol	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
bis(2-Chloroethyl) ether	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
2-Chlorophenol	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
1,3-Dichlorobenzene	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
1,4-Dichlorobenzene	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
Benzyl Alcohol	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
1,2-Dichlorobenzene	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
2-Methylphenol	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
bis(2-Chloroisopropyl) ether	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
4-Methylphenol	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
N-Nitroso-dl-n-propylamine	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
Hexachloroethane	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
Nitrobenzene	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
Isophorone	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
2-Nitrophenol	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
2,4-Dimethylphenol	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
Benzoic acid	ug/Kg	3500 U	3300 U	3400 U	7700 U	7700 U	9500 U	9500 U	4800 U
bis(2-Chloroethoxy) methane	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
2,4-Dichlorophenol	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
1,2,4-Trichlorobenzene	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
Naphthalene	ug/Kg	720 U	690 U	700 U	1600 U	2000 U	2500 U	2400 U	1200 U
4-Chloroaniline	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
Hexachlorobutadiene	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
4-Chloro-3-methylphenol	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
2-Methylnaphthalene	ug/Kg	720 U	690 U	700 U	2000 U	2000 U	2700 U	2800 U	950 U
Hexachlorocyclopentadiene	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
2,4,6-Trichlorophenol	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
2,4,5-Trichlorophenol	ug/Kg	3500 U	3300 U	3400 U	7700 U	7700 U	9500 U	9500 U	4800 U
2-Chloronaphthalene	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
2-Nitroaniline	ug/Kg	3500 U	3300 U	3400 U	7700 U	7700 U	9500 U	9500 U	4800 U
Dimethylphalate	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
Acenaphthylene	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U
2,6-Dinitrotoluene	ug/Kg	720 U	690 U	700 U	1600 U	1600 U	2000 U	2000 U	950 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL B16-91	SOIL B16-91	SOIL B16-91	SOIL B17-91	SOIL B17-91	SOIL B17-91	SOIL B17-91	SOIL B17-91	SOIL B18-91
	DEPTH	0-2	2-4	6-8	0-2	2-4	4-6	6-8	0-2	0-2
	DATE	11/12/91	11/12/91	11/12/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91
	MAIN ID	S1112-53	S1112-54	S1112-55	S1113-56	S1113-57	S1113-58	S1113-58	S1113-59 (2)	S1113-60
	LAB ID	148925	148926	148927	148928	148929	148930	148931	148932	148932
COMPOUND	UNITS									
Phenol	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
bis(2-Chloroethyl) ether	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
2-Chlorophenol	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
1,3-Dichlorobenzene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
1,4-Dichlorobenzene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
Benzyl Alcohol	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
1,2-Dichlorobenzene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
2-Methylphenol	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
bis(2-Chloroisopropyl) ether	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
4-Methylphenol	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
N-Nitroso-di-n-propylamine	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
Hexachloroethane	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
Nitrobenzene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
Isophorone	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
2-Nitrophenol	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
2,4-Dimethylphenol	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
Benzoic acid	ug/Kg	3600 U	3600 U	3400 U	3600 U	3600 U	3700 U	3300 U		3600 U
bis(2-Chloroethoxy) methane	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
2,4-Dichlorophenol	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
1,2,4-Trichlorobenzene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
Naphthalene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
4-Chloroaniline	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
Hexachlorobutadiene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
4-Chloro-3-methylphenol	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
2-Methylnaphthalene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
Hexachlorocyclopentadiene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
2,4,6-Trichlorophenol	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
2,4,5-Trichlorophenol	ug/Kg	3600 U	3600 U	3400 U	3600 U	3600 U	3700 U	3300 U		3600 U
2-Chloronaphthalene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
2-Nitroaniline	ug/Kg	3600 U	3600 U	3400 U	3600 U	3600 U	3700 U	3300 U		3600 U
Dimethylphthalate	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U
Acenaphthylene	ug/Kg	510 J	730 U	710 U	740 U	790 U	770 U	680 U		740 U
2,6-Dinitrotoluene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U		740 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B18-91	B18-91	B18-91	B18-91	B18-91	B18-91	B20-91	B20-91
	DEPTH	2-4	4-8	0-2	2-4	4-8	0-2	2-4	4-8
	DATE	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/14/91	11/14/91
	MAIN ID	S1113-81	S1113-82	S1113-83	S1113-84	S1113-85	S1113-86	S1114-87	S1114-88
	LAB ID	148933	148934	148935	148936	148937	149178	149177	149178
	UNITS								
Phenol	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
bis(2-Chloroethyl) ether	ug/Kg	740 U	700 U	780 U	9 J	780 U	780 U	750 U	740 U
2-Chlorophenol	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
1,3-Dichlorobenzene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
1,4-Dichlorobenzene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Benzyl Alcohol	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
1,2-Dichlorobenzene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
2-Methylphenol	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
bis(2-Chloroisopropyl) ether	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
4-Methylphenol	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
N-Nitroso-di-n-propylamine	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Hexachloroethane	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Nitrobenzene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Isophorone	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
2-Nitrophenol	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
2,4-Dimethylphenol	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Benzoic acid	ug/Kg	3800 U	3400 U	3800 U	3500 U	3700 U	3800 U	3600 U	3800 U
bis(2-Chloroethoxy) methane	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
2,4-Dichlorophenol	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
1,2,4-Trichlorobenzene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Naphthalene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
4-Chloroaniline	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Hexachlorobutadiene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
4-Chloro-3-methylphenol	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
2-Methylnaphthalene	ug/Kg	740 U	700 U	780 U	88 J	780 U	780 U	750 U	740 U
Hexachlorocyclopentadiene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
2,4,6-Trichlorophenol	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
2,4,5-Trichlorophenol	ug/Kg	3800 U	3400 U	3800 U	3500 U	3700 U	3800 U	3600 U	3800 U
2-Chloronaphthalene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
2-Nitroaniline	ug/Kg	3800 U	3400 U	3800 U	3500 U	3700 U	3800 U	3600 U	3800 U
Dimethylphalate	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Acenaphthylene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
2,6-Dinitrotoluene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		B21-91	B21-91	B21-91	B22-91	B22-91	B22-91	B23-91	B23-91
		0-2	2-4	2-4	0-2	2-4	0-2	2-4	4-6
		11/14/91	11/14/91	11/14/91	12/02/91	12/02/91	12/02/91	12/02/91	12/02/91
		S1114-69	S1114-70	S1114-71 (1)	S1202-73 (3)	S1202-74 (3)	S1202-78	S1202-77	S1202-78
COMPOUND	LAB ID	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
		149179	149180	149181	150018	150017	150019	150020	150021
Phenol	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
bis(2-Chloroethyl) ether	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
2-Chlorophenol	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
1,3-Dichlorobenzene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
1,4-Dichlorobenzene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Benzyl Alcohol	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
1,2-Dichlorobenzene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
2-Methylphenol	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
bis(2-Chloroisopropyl) ether	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
4-Methylphenol	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
N-Nitroso-dl-n-propylamine	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Hexachloroethane	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Nitrobenzene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Isophorone	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
2-Nitrophenol	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
2,4-Dimethylphenol	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Benzoic acid	ug/Kg	3800 U	3700 U	3600 U	3900 U	3500 U	3800 U	3900 U	3600 U
bis(2-Chloroethoxy) methane	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
2,4-Dichlorophenol	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
1,2,4-Trichlorobenzene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Naphthalene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
4-Chloroaniline	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Hexachlorobutadiene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
4-Chloro-3-methylphenol	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
2-Methylnaphthalene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Hexachlorocyclopentadiene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
2,4,6-Trichlorophenol	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
2,4,5-Trichlorophenol	ug/Kg	3800 U	3700 U	3600 U	3900 U	3500 U	3800 U	3900 U	3600 U
2-Chloronaphthalene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
2-Nitroaniline	ug/Kg	3800 U	3700 U	3600 U	3900 U	3500 U	3800 U	3900 U	3600 U
Dimethylphalate	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Acenaphthylene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
2,6-Dinitrotoluene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DEPTH	B24-91	B24-91	B24-91	B25-91	B25-91	B25-91	B25-91	B27-91	B27-91
DATE	0-2	2-4	4-6	0-2	2-4	4-6	0-2	0-2	2-4
MAIN ID	12/03/91	12/03/91	12/03/91	12/03/91	12/03/91	12/03/91	12/03/91	12/04/91	12/04/91
LAB ID	S1203-79 (3)	S1203-80 (3)	S1203-81 (3)	S1203-82	S1203-83	S1203-84	S1203-84	S1204-86 (2,3)	S1204-87(3)
UNITS	150022	150023	150024	150025	150026	150027	150027	150235	150236
COMPOUND									
Phenol	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
bis(2-Chloroethyl) ether	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
2-Chlorophenol	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
1,3-Dichlorobenzene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
1,4-Dichlorobenzene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Benzyl Alcohol	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
1,2-Dichlorobenzene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
2-Methylphenol	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
bis(2-Chloroisopropyl) ether	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
4-Methylphenol	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
N-Nitroso-di-n-propylamine	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Hexachloroethane	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Nitrobenzene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Isophorone	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
2-Nitrophenol	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
2,4-Dimethylphenol	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Benzoic acid	ug/Kg	4400 U	3500 U	3400 U	4300 U	3600 U	3400 U	4100 U	3900 U
bis(2-Chloroethoxy) methane	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
2,4-Dichlorophenol	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
1,2,4-Trichlorobenzene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Naphthalene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
4-Chloroaniline	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Hexachlorobutadiene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
4-Chloro-3-methylphenol	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
2-Methylnaphthalene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Hexachlorocyclopentadiene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
2,4,6-Trichlorophenol	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
2,4,6-Trichlorophenol	ug/Kg	4400 U	3500 U	3400 U	4300 U	3600 U	3400 U	4100 U	3900 U
2-Chloronaphthalene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
2-Nitroaniline	ug/Kg	4400 U	3500 U	3400 U	4300 U	3600 U	3400 U	4100 U	3900 U
Dimethylphthalate	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Acenaphthylene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
2,6-Dinitrotoluene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		B28-91	B28-91	B28-91	B28-91	B29-91	B29-91	B29-91	B29-91
	DEPTH	0-2	2-4	2-4	4-6	0-2	0-2	2-4	4-6
	DATE	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91
	MAIN ID	S1204-88 (3)	S1204-89	S1204-89A(1)	S1204-90 (3)	S1204-91	S1204-91A	S1204-92	S1204-93
	LAB ID	150237	150238	150240	150241	150242	150243	150244	150245
COMPOUND	UNITS								
Phenol	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
bis(2-Chloroethyl) ether	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
2-Chlorophenol	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
1,3-Dichlorobenzene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
1,4-Dichlorobenzene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Benzyl Alcohol	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
1,2-Dichlorobenzene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
2-Methylphenol	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
bis(2-Chloroisopropyl) ether	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
4-Methylphenol	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
N-Nitroso-di-n-propylamine	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Hexachloroethane	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Nitrobenzene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Isophorone	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
2-Nitrophenol	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
2,4-Dimethylphenol	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Benzoic acid	ug/Kg	3500 U	3700 U	3700 U	3500 U	3800 U	3800 U	3500 U	3500 U
bis(2-Chloroethoxy) methane	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
2,4-Dichlorophenol	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
1,2,4-Trichlorobenzene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Naphthalene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
4-Chloroaniline	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Hexachlorobutadiene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
4-Chloro-3-methylphenol	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
2-Methylnaphthalene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Hexachlorocyclopentadiene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
2,4,6-Trichlorophenol	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
2,4,5-Trichlorophenol	ug/Kg	3500 U	3700 U	3700 U	3500 U	3800 U	3800 U	3500 U	3500 U
2-Chloronaphthalene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
2-Nitroaniline	ug/Kg	3500 U	3700 U	3700 U	3500 U	3800 U	3800 U	3500 U	3500 U
Dimethylphalate	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Acenaphthylene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
2,6-Dinitrotoluene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL B29-91	SOIL B30-91	SOIL B30-91	SOIL B30-91	SOIL B30-91	SOIL B30-91	SOIL B30-91	SOIL B30-91	SOIL B30-91
	DEPTH	4-6	0-2	0-2	0-2	2-4	2-4	4-6	4-6	4-6
	DATE	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91
	MAIN ID	S1204-93A(1)	S1204-94	S1204-94A(1)	S1204-94RE(4)	S1204-95	S1204-95RE(4)	S1204-96	S1204-96A(1)	S1204-96A(1)
COMPOUND	LAB ID	150246	150247	150248	150247	150249	150249	150250	150251	150251
	UNITS									
Phenol	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
bis(2-Chloroethyl) ether	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
2-Chlorophenol	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
1,3-Dichlorobenzene	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
1,4-Dichlorobenzene	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
Benzyl Alcohol	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
1,2-Dichlorobenzene	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
2-Methylphenol	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
bis(2-Chloroisopropyl) ether	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
4-Methylphenol	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
N-Nitroso-di-n-propylamine	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
Hexachloroethane	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
Nitrobenzene	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
Isophorone	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
2-Nitrophenol	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
2,4-Dimethylphenol	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
Benzoic acid	ug/Kg	3800 U	3900 U	120 J	3900 U	3500 U	720 U	7100 U	7000 U	7000 U
bis(2-Chloroethoxy) methane	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
2,4-Dichlorophenol	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
1,2,4-Trichlorobenzene	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
Naphthalene	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	240 J	240 J	240 J
4-Chloroaniline	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
Hexachlorobutadiene	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
4-Chloro-3-methylphenol	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
2-Methylnaphthalene	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	250 J	220 J	220 J
Hexachlorocyclopentadiene	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
2,4,6-Trichlorophenol	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
2,4,5-Trichlorophenol	ug/Kg	3800 U	3900 U	3700 U	3900 U	3500 U	3500 U	7100 U	7000 U	7000 U
2-Chloronaphthalene	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
2-Nitroaniline	ug/Kg	3800 U	3900 U	3700 U	3900 U	3500 U	3500 U	7100 U	7000 U	7000 U
Dimethylphalate	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
Acenaphthylene	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U
2,6-Dinitrotoluene	ug/Kg	750 U	800 U	780 U	800 U	720 U	720 U	1500 U	1400 U	1400 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL B31-91	SOIL B31-91	SOIL B31-91	SOIL B31-91	SOIL B31-91	SOIL B31-91
	DEPTH	0-2	0-2	2-4	4-8	4-8	8-8
	DATE	12/05/91	12/05/91	12/05/91	12/05/91	12/05/91	12/05/91
	MAIN ID	S1205-97	S1205-97A(1)	S1205-98	S1205-99	S1205-99RE(4)	S1205-100(2)
COMPOUND	LAB ID	150252	150253	150254	150255	150255	150256
	UNITS						
Phenol	ug/Kg	800 U	780 U	780 U	720 U	720 U	14000
bis(2-Chloroethyl) ether	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
2-Chlorophenol	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
1,3-Dichlorobenzene	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
1,4-Dichlorobenzene	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
Benzyl Alcohol	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
1,2-Dichlorobenzene	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
2-Methylphenol	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
bis(2-Chloroisopropyl) ether	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
4-Methylphenol	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
N-Nitroso-di-n-propylamine	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
Hexachloroethane	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
Nitrobenzene	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
Isophorone	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
2-Nitrophenol	ug/Kg	800 U	780 U	780 U	720 U	720 U	1300 J
2,4-Dimethylphenol	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
Benzoic acid	ug/Kg	3800 U	94 J	3800 U	3500 U	3500 U	1500 J
bis(2-Chloroethoxy) methane	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
2,4-Dichlorophenol	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
1,2,4-Trichlorobenzene	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
Naphthalene	ug/Kg	800 U	780 U	780 U	180 J	200 J	4100 U
4-Chloroaniline	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
Hexachlorobutadiene	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
4-Chloro-3-methylphenol	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
2-Methylnaphthalene	ug/Kg	78 J	780 U	780 U	720 U	720 U	4100 U
Hexachlorocyclopentadiene	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
2,4,6-Trichlorophenol	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
2,4,5-Trichlorophenol	ug/Kg	3800 U	3800 U	3800 U	3500 U	3500 U	20000 U
2-Chloronaphthalene	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
2-Nitroaniline	ug/Kg	3800 U	3800 U	3800 U	3500 U	3500 U	20000 U
Dimethylphalate	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
Acenaphthylene	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U
2,6-Dinitrotoluene	ug/Kg	800 U	780 U	780 U	720 U	720 U	4100 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		B1-01	B1-01	B1-01	B2-01	B2-01	B2-01	B2-01	B3-01
		0-2	2-4	4-8	0-2	2-4	0-8	0-2	4-8
		10/30/01	10/30/01	10/30/01	10/31/01	10/31/01	10/31/01	10/31/01	10/31/01
		S1030-1(2)	S1030-2	S1030-3	S1031-4	S1031-5	S1031-6	S1031-8	S1031-10
COMPOUND	LAB ID	147824	147825	147826	147827	147828	147829	147831	147833
	UNITS								
3-Nitroaniline	ug/Kg	3500 U	3500 U	3300 U	3400 U	3600 U	3500 U	4300 U	3500 U
Acenaphthene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
2,4-Dinitrophenol	ug/Kg	3500 U	3500 U	3300 U	3400 U	3600 U	3500 U	4300 U	3500 U
4-Nitrophenol	ug/Kg	3500 U	3500 U	3300 U	3400 U	3600 U	3500 U	4300 U	3500 U
Dibenzofuran	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
2,4-Dinitrotoluene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Diethylphthalate	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
4-Chlorophenyl-phenylether	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Fluorene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
4-Nitroaniline	ug/Kg	3500 U	3500 U	3300 U	3400 U	3600 U	3500 U	4300 U	3500 U
4,6-Dinitro-2-methylphenol	ug/Kg	3500 U	3500 U	3300 U	3400 U	3600 U	3500 U	4300 U	3500 U
N-Nitrosodiphenylamine (1)	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
4-Bromophenyl-phenylether	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Hexachlorobenzene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Pentachlorophenol	ug/Kg	3500 U	3500 U	3300 U	3400 U	3600 U	3500 U	4300 U	3500 U
Phenanthrene	ug/Kg	720 U	730 U	690 U	170 J	82 J	720 U	420 J	730 U
Anthracene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Di-n-butylphthalate	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Fluoranthene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	750 J	730 U
Pyrene	ug/Kg	720 U	730 U	690 U	130 J	730 U	720 U	550 J	730 U
Butylbenzylphthalate	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
3,3'-Dichlorobenzidine	ug/Kg	1400 U	1500 U	1400 U	1400 U	1500 U	1400 U	1600 U	1500 U
Benzo(a)anthracene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	290 J	730 U
Chrysene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	350 J	730 U
bis(2-Ethylhexyl)phthalate	ug/Kg	720 U	730 U	530 J	710 U	730 U	720 U	690 U	730 U
Di-n-octylphthalate	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Benzo(b)fluoranthene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	220 J	730 U
benzo(k)fluoranthene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	180 J	730 U
Benzo(a)pyrene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Indeno(1,2,3-cd)pyrene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Dibenz(a,h)anthracene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U
Benzo(g,h,i)perylene	ug/Kg	720 U	730 U	690 U	710 U	730 U	720 U	690 U	730 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DEPTH	B4-01	B4-01	B4-01	B4-01	B5-01	B5-01	B5-01	B5-01	B8-01
DATE	0-2	2-4	4-8	0-2	2-4	4-8	0-2	0-2	2-4
MAIN ID	11/01/01	11/01/01	11/01/01	11/01/01	11/01/01	11/01/01	11/01/01	11/04/01	11/04/01
LAB ID	S1101-12	S1101-13	S1101-14	S1101-15	S1101-16	S1101-17	S1101-18	S1104-19	S1104-20
UNITS	147885	147886	147887	147888	147889	147890	148021	148022	
COMPOUND									
3-Nitroaniline	ug/Kg	6300 U	3500 U	3400 U	4100 U	3500 U	3700 U	3800 U	3800 U
Acenaphthene	ug/Kg	2200	720 U	710 U	180 J	730 U	780 U	780 U	740 U
2,4-Dinitrophenol	ug/Kg	6300 U	3500 U	3400 U	4100 U	3500 U	3700 U	3800 U	3800 U
4-Nitrophenol	ug/Kg	6300 U	3500 U	3400 U	4100 U	3500 U	3700 U	3800 U	3800 U
Dibenzofuran	ug/Kg	1400	720 U	710 U	180 J	730 U	780 U	780 U	740 U
2,4-Dinitrotoluene	ug/Kg	2000	720 U	710 U	320 J	730 U	780 U	780 U	740 U
Diethylphthalate	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
4-Chlorophenyl-phenylether	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
Fluorene	ug/Kg	2000	720 U	710 U	310 J	730 U	780 U	780 U	740 U
4-Nitroaniline	ug/Kg	6300 U	3500 U	3400 U	4100 U	3500 U	3700 U	3800 U	3800 U
4,8-Dinitro-2-methylphenol	ug/Kg	6300 U	3500 U	3400 U	4100 U	3500 U	3700 U	3800 U	3800 U
N-Nitrosodiphenylamine (1)	ug/Kg	450 J	720 U	710 U	840 U	730 U	780 U	780 U	740 U
4-Bromophenyl-phenylether	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
Hexachlorobenzene	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
Pentachlorophenol	ug/Kg	6300 U	3500 U	3400 U	4100 U	3500 U	3700 U	3800 U	3800 U
Phenanthrene	ug/Kg	13000	130 J	120 J	3900	730 U	780 U	780 U	740 U
Anthracene	ug/Kg	4200	720 U	710 U	780 J	730 U	780 U	780 U	740 U
Di-n-butylphthalate	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
Fluoranthene	ug/Kg	14000	180 J	150 J	6200	73 J	89 J	780 U	740 U
Pyrene	ug/Kg	12000	140 J	120 J	5100	89 J	73 J	780 U	740 U
Butylbenzylphthalate	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
3,3'-Dichlorobenzidine	ug/Kg	2800 U	1400 U	1400 U	1700 U	1500 U	1500 U	1600 U	1500 U
Benzo(a)anthracene	ug/Kg	8800	110 J	88 J	3000	730 U	75 J	780 U	740 U
Chrysene	ug/Kg	8000	110 J	80 J	3100	730 U	78 J	780 U	740 U
bis(2-Ethylhexyl)phthalate	ug/Kg	180 J	720 U	710 U	840 U	3800	780 U	780 U	740 U
Di-n-octylphthalate	ug/Kg	1300 U	720 U	710 U	840 U	730 U	780 U	780 U	740 U
Benzo(b)fluoranthene	ug/Kg	8800	91 J	710 U	2800	730 U	74 J	780 U	740 U
benzo(k)fluoranthene	ug/Kg	6700	85 J	710 U	2300	730 U	70 J	780 U	740 U
Benzo(a)pyrene	ug/Kg	9000	110 J	78 J	2100	730 U	81 J	780 U	740 U
Indeno(1,2,3-cd)pyrene	ug/Kg	4800	720 U	710 U	1300	730 U	780 U	780 U	740 U
Dibenz(a,h)anthracene	ug/Kg	2000	720 U	710 U	840 J	730 U	780 U	780 U	740 U
Benzo(g,h,i)perylene	ug/Kg	5000	720 U	710 U	1400	730 U	780 U	780 U	740 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		B7-91	B7-91	B7-91	B8-91	B8-91	B8-91	B8-91	B8-91
		0-2	2-4	10-12	0-2	2-4	2-4	6-8	0-2
		11/04/91	11/04/91	11/04/91	11/05/91	11/05/91	11/05/91	11/05/91	11/05/91
		S1104-21	S1104-22	S1104-23	S1105-24	S1105-25	S1105-26 (1)	S1105-27	S1105-28
COMPOUND	LAB ID	148023	148024	148025	148026	148027	148028	148029	148030
	UNITS								
3-Nitroaniline	ug/Kg	9000 U	3500 U	4200 U	3700 U	3800 U	3500 U	3400 U	3600 U
Acenaphthene	ug/Kg	2200	1000	870 U	780 U	750 U	720 U	700 U	780 U
2,4-Dinitrophenol	ug/Kg	9000 U	3500 U	4200 U	3700 U	3800 U	3500 U	3400 U	3600 U
4-Nitrophenol	ug/Kg	9000 U	3500 U	4200 U	3700 U	3800 U	3500 U	3400 U	3600 U
Dibenzofuran	ug/Kg	980 J	400 J	870 U	780 U	750 U	720 U	700 U	780 U
2,4-Dinitrotoluene	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
Diethylphthalate	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
4-Chlorophenyl-phenylether	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
Fluorene	ug/Kg	2000	890	870 U	780 U	750 U	720 U	700 U	780 U
4-Nitroaniline	ug/Kg	9000 U	3500 U	4200 U	3700 U	3800 U	3500 U	3400 U	3600 U
4,6-Dinitro-2-methylphenol	ug/Kg	9000 U	3500 U	4200 U	3700 U	3800 U	3500 U	3400 U	3600 U
N-Nitrosodiphenylamine (1)	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
4-Bromophenyl-phenylether	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
Hexachlorobenzene	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
Pentachlorophenol	ug/Kg	9000 U	3500 U	4200 U	3700 U	3800 U	3500 U	3400 U	3600 U
Phenanthrene	ug/Kg	15000 B	5200 B	150 BJ	780 U	750 U	720 U	700 U	780 U
Anthracene	ug/Kg	3500	1300	870 U	780 U	750 U	720 U	700 U	780 U
Di-n-butylphthalate	ug/Kg	1900 U	630 J	870 U	780 U	750 U	720 U	700 U	780 U
Fluoranthene	ug/Kg	22000 B	6700 B	210 BJ	780 U	750 U	720 U	700 U	780 U
Pyrene	ug/Kg	16000 B	4800 B	190 BJ	80 BJ	750 U	720 U	700 U	780 U
Butylbenzylphthalate	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
3,3'-Dichlorobenzidine	ug/Kg	3700 U	1400 U	1700 U	1500 U	1500 U	1400 U	1400 U	1600 U
Benzo(a)anthracene	ug/Kg	9800	3000	870 U	780 U	750 U	720 U	700 U	780 U
Chrysene	ug/Kg	9900	3200	870 U	780 U	750 U	720 U	700 U	780 U
bis(2-Ethylhexyl)phthalate	ug/Kg	870 JB	280 JB	210 BJ	780 U	750 U	230 BJ	700 U	780 U
Di-n-octylphthalate	ug/Kg	1900 U	720 U	870 U	780 U	750 U	720 U	700 U	780 U
Benzo(b)fluoranthene	ug/Kg	9500	2900	870 U	780 U	750 U	720 U	700 U	780 U
benzo(k)fluoranthene	ug/Kg	8100	1700	870 U	780 U	750 U	720 U	700 U	780 U
Benzo(a)pyrene	ug/Kg	8400	2500	870 U	780 U	750 U	720 U	700 U	780 U
Indeno(1,2,3-cd)pyrene	ug/Kg	4800	1200	870 U	780 U	750 U	720 U	700 U	780 U
Dibenz(a,h)anthracene	ug/Kg	1800 J	620 J	870 U	780 U	750 U	720 U	700 U	780 U
Benzo(g,h,i)perylene	ug/Kg	4000	1200	870 U	780 U	750 U	720 U	700 U	780 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DEPTH	B9-01	B9-01	B10-01	B10-01	B10-01	B10-01	B10-01	B10-01	B11-01
DATE	2-4	B-8	B10-01	B10-01	B10-01	B10-01	B10-01	B10-01	B11-01
MAIN ID	11/05/91	11/05/91	0-2	0-2	2-4	2-4	2-4	2-4	0-2
LAB ID	S1105-29	S1105-30	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91
UNITS	S1105-29	S1105-30	S1105-31	S1105-31	S1105-32	S1105-33 (1)	S1105-34	S1105-36	S1105-37
COMPOUND	148031	148032	148457	148458	148459	148460	148462	148463	148463
3-Nitroaniline	ug/Kg	3500 U	3400 U	3600 U	3600 U	3700 U	3600 U	3600 U	3400 U
Acenaphthene	ug/Kg	730 U	710 U	640 J	730 U	760 U	750 U	780 U	710 U
2,4-Dinitrophenol	ug/Kg	3500 U	3400 U	3600 U	3600 U	3700 U	3600 U	3600 U	3400 U
4-Nitrophenol	ug/Kg	3500 U	3400 U	3600 U	3600 U	3700 U	3600 U	3600 U	3400 U
Dibenzofuran	ug/Kg	730 U	710 U	310 J	730 U	760 U	750 U	780 U	710 U
2,4-Dinitrotoluene	ug/Kg	730 U	710 U	640 U	730 U	760 U	750 U	780 U	710 U
Diethylphthalate	ug/Kg	730 U	710 U	740 U	730 U	760 U	750 U	780 U	710 U
4-Chlorophenyl-phenylether	ug/Kg	730 U	710 U	740 U	730 U	760 U	750 U	780 U	710 U
Fluorene	ug/Kg	730 U	710 U	570 J	730 U	760 U	750 U	780 U	710 U
4-Nitroaniline	ug/Kg	3500 U	3400 U	3600 U	3600 U	3700 U	3600 U	3600 U	3400 U
4,6-Dinitro-2-methylphenol	ug/Kg	3500 U	3400 U	3600 U	3600 U	3700 U	3600 U	3600 U	3400 U
N-Nitrosodiphenylamine (1)	ug/Kg	730 U	710 U	740 U	730 U	760 U	750 U	780 U	710 U
4-Bromophenyl-phenylether	ug/Kg	730 U	710 U	740 U	730 U	760 U	750 U	780 U	710 U
Hexachlorobenzene	ug/Kg	730 U	710 U	740 U	730 U	760 U	750 U	780 U	710 U
Pentachlorophenol	ug/Kg	3500 U	3400 U	3600 U	3600 U	3700 U	3600 U	3600 U	3400 U
Phenanthrene	ug/Kg	730 U	710 U	4400	180 J	180 J	750 U	67 J	710 U
Anthracene	ug/Kg	730 U	710 U	1200	730 U	760 U	750 U	780 U	710 U
Di-n-butylphthalate	ug/Kg	730 U	710 U	740 U	77 J	760 U	750 U	780 U	710 U
Fluoranthene	ug/Kg	730 U	710 U	5400	260 J	300 J	750 U	110 J	710 U
Pyrene	ug/Kg	730 U	710 U	5000	250 J	240 J	750 U	91 J	710 U
Butylbenzylphthalate	ug/Kg	730 U	710 U	740 U	730 U	760 U	750 U	780 U	710 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U	1400 U	1500 U	1500 U	1500 U	1500 U	1600 U	1400 U
Benzo(a)anthracene	ug/Kg	730 U	710 U	2700	180 J	150 J	750 U	76 J	710 U
Chrysene	ug/Kg	730 U	710 U	2200	180 J	180 J	750 U	79 J	710 U
bis(2-Ethylhexyl)phthalate	ug/Kg	730 U	710 U	600 J	100 J	360 J	100 J	780 U	710 U
Di-n-octylphthalate	ug/Kg	730 U	710 U	740 U	730 U	760 U	750 U	780 U	710 U
Benzo(b)fluoranthene	ug/Kg	730 U	710 U	2500	180 J	140 J	750 U	760 U	710 U
benzo(k)fluoranthene	ug/Kg	730 U	710 U	1400	110 J	140 J	750 U	780 U	710 U
Benzo(a)pyrene	ug/Kg	730 U	710 U	2200	170 J	150 J	750 U	760 U	710 U
Indeno(1,2,3-cd)pyrene	ug/Kg	730 U	710 U	1200	110 J	96 J	750 U	760 U	710 U
Dibenz(a,h)anthracene	ug/Kg	730 U	710 U	630 J	730 U	760 U	750 U	780 U	710 U
Benzo(g,h,i)perylene	ug/Kg	730 U	710 U	1200	120 J	96 J	750 U	760 U	710 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		B11-91	B12-91	B12-91	B13-91	B13-91	B13-91	B13-91	B14-91	B14-91
		6-8	0-2	2-4	0-2	2-4	6-8	0-2	2-4	2-4
		11/08/91	11/07/91	11/07/91	11/07/91	11/07/91	11/07/91	11/07/91	11/08/91	11/08/91
		S1106-38	S1107-39	S1107-40	S1107-42	S1107-43	S1107-44	S1108-45	S1108-46	S1108-46
COMPOUND	LAB ID	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
		148484	148704	148705	148707	148708	148709	148710	148711	148711
3-Nitroaniline	ug/Kg	3500 U	3700 U	3400 U	4000 U	3400 U	3200 U	3700 U	3400 U	
Acenaphthene	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
2,4-Dinitrophenol	ug/Kg	3500 U	3700 U	3400 U	4000 U	3400 U	3200 U	3700 U	3400 U	
4-Nitrophenol	ug/Kg	3500 U	3700 U	3400 U	4000 U	3400 U	3200 U	3700 U	3400 U	
Dibenzofuran	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
2,4-Dinitrotoluene	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
Diethylphthalate	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
4-Chlorophenyl-phenylether	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
Fluorene	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
4-Nitroaniline	ug/Kg	3500 U	3700 U	3400 U	4000 U	3400 U	3200 U	3700 U	3400 U	
4,6-Dinitro-2-methylphenol	ug/Kg	3500 U	3700 U	3400 U	4000 U	3400 U	3200 U	3700 U	3400 U	
N-Nitroodiphenylamine (1)	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
4-Bromophenyl-phenylether	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
Hexachlorobenzene	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
Pentachlorophenol	ug/Kg	3500 U	3700 U	3400 U	4000 U	3400 U	3200 U	3700 U	3400 U	
Phenanthrene	ug/Kg	720 U	780 U	700 U	250 J	710 U	670 U	310 J	700 U	
Anthracene	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	71 J	700 U	
Di-n-butylphthalate	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
Fluoranthene	ug/Kg	720 U	780 U	700 U	240 J	710 U	670 U	290 J	700 U	
Pyrene	ug/Kg	720 U	780 U	700 U	280 J	710 U	670 U	240 J	700 U	
Butylbenzylphthalate	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
3,3'-Dichlorobenzidine	ug/Kg	1400 U	1500 U	1400 U	1800 U	1400 U	1300 U	1500 U	1400 U	
Benzo(a)anthracene	ug/Kg	720 U	780 U	700 U	130 J	710 U	670 U	180 J	700 U	
Chrysene	ug/Kg	720 U	780 U	700 U	130 J	710 U	670 U	150 J	700 U	
bis(2-Ethylhexyl)phthalate	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	1300	290 J	
Di-n-octylphthalate	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
Benzo(b)fluoranthene	ug/Kg	720 U	780 U	700 U	140 J	710 U	670 U	110 J	700 U	
benzo(f)fluoranthene	ug/Kg	720 U	780 U	700 U	98 J	710 U	670 U	140 J	700 U	
Benzo(a)pyrene	ug/Kg	720 U	780 U	700 U	130 J	710 U	670 U	140 J	700 U	
Indeno(1,2,3-cd)pyrene	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
Dibenz(a,h)anthracene	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	
Benzo(g,h,i)perylene	ug/Kg	720 U	780 U	700 U	810 U	710 U	670 U	780 U	700 U	

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DEPTH	B14-01	B14-01	B15-01	B15-01	B15-01	B15-01	B15-01	B15-01	B15-01
DATE	2-4	4-8	0-2	2-4	2-4	2-4	2-4	2-4	2-4
MAIN ID	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91
LAB ID	S1108-47 (1)	S1108-48	S1108-49	S1108-50	S1108-50RE(4)	S1108-51 (1)	S1108-51RE(4)	S1108-52	S1108-52
UNITS	148712	148713	148714	148715	148715	148715	148716	148716	148717
COMPOUND									
3-Nitroaniline	ug/Kg	3500 U	3300 U	3400 U	7700 U	7700 U	9500 U	9500 U	4800 U
Acenaphthene	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
2,4-Dinitrophenol	ug/Kg	3500 U	3300 U	3400 U	7700 U	7700 U	9500 U	9500 U	4800 U
4-Nitrophenol	ug/Kg	3500 U	3300 U	3400 U	7700 U	7700 U	9500 U	9500 U	4800 U
Dibenzofuran	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
2,4-Dinitrotoluene	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
Diethylphthalate	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
4-Chlorophenyl-phenylether	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
Fluorene	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
4-Nitroaniline	ug/Kg	3500 U	3300 U	3400 U	7700 U	7700 U	9500 U	9500 U	4800 U
4,6-Dinitro-2-methylphenol	ug/Kg	3500 U	3300 U	3400 U	7700 U	7700 U	9500 U	9500 U	4800 U
N-Nitrosodiphenylamine (1)	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
4-Bromophenyl-phenylether	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
Hexachlorobenzene	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
Pentachlorophenol	ug/Kg	3500 U	3300 U	3400 U	7700 U	7700 U	9500 U	9500 U	4800 U
Phenanthrene	ug/Kg	720 U	690 U	700 U	300 J	290 J	420 J	400 J	170 J
Anthracene	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
Di-n-butylphthalate	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
Fluoranthene	ug/Kg	720 U	690 U	98 J	1800 U	1800 U	2000 U	2000 U	950 U
Pyrene	ug/Kg	720 U	690 U	100 J	180 J	180 J	230 J	2000 U	150 J
Butylbenzylphthalate	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
3,3'-Dichlorobenzidine	ug/Kg	1400 U	1400 U	1400 U	3200 U	3200 U	3900 U	3900 U	1900 U
Benzo(a)anthracene	ug/Kg	720 U	690 U	97 J	1800 U	1800 U	2000 U	2000 U	950 U
Chrysene	ug/Kg	720 U	690 U	120 J	1800 U	1800 U	2000 U	2000 U	950 U
bis(2-Ethylhexyl)phthalate	ug/Kg	2000	690 U	480 J	450 J	390 J	940 J	790 J	110 J
Di-n-octylphthalate	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
Benzo(b)fluoranthene	ug/Kg	720 U	690 U	140 J	1800 U	1800 U	2000 U	2000 U	950 U
benzo(k)fluoranthene	ug/Kg	720 U	690 U	140 J	1800 U	1800 U	2000 U	2000 U	950 U
Benzo(a)pyrene	ug/Kg	720 U	690 U	150 J	1800 U	1800 U	2000 U	2000 U	950 U
Indeno(1,2,3-cd)pyrene	ug/Kg	720 U	690 U	180 J	1800 U	1800 U	2000 U	2000 U	950 U
Dibenz(a,h)anthracene	ug/Kg	720 U	690 U	700 U	1800 U	1800 U	2000 U	2000 U	950 U
Benzo(g,h,i)perylene	ug/Kg	720 U	690 U	190 J	1800 U	1800 U	2000 U	2000 U	950 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	DEPTH	B16-91	B16-91	B16-91	B17-91	B17-91	B17-91	B17-91	B18-91
	DATE	0-2	2-4	6-8	0-2	2-4	4-6	8-8	0-2
	MAIN ID	11/12/91	11/12/91	11/12/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91
	LAB ID	S1112-53	S1112-54	S1112-55	S1113-56	S1113-57	S1113-58	S1113-59 (2)	S1113-60
	UNITS	148925	148926	148927	148928	148929	148930	148931	148932
3-Nitroaniline	ug/Kg	3900 U	3900 U	3400 U	3900 U	3900 U	3700 U	3300 U	3900 U
Acenaphthene	ug/Kg	600 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
2,4-Dinitrophenol	ug/Kg	3900 U	3900 U	3400 U	3900 U	3900 U	3700 U	3300 U	3900 U
4-Nitrophenol	ug/Kg	3900 U	3900 U	3400 U	3900 U	3900 U	3700 U	3300 U	3900 U
Dibenzofuran	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
2,4-Dinitrotoluene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Diethylphthalate	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
4-Chlorophenyl-phenylether	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Fluorene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
4-Nitroaniline	ug/Kg	3900 U	3900 U	3400 U	3900 U	3900 U	3700 U	3300 U	3900 U
4,6-Dinitro-2-methylphenol	ug/Kg	3900 U	3900 U	3400 U	3900 U	3900 U	3700 U	3300 U	3900 U
N-Nitrosodiphenylamine (1)	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
4-Bromophenyl-phenylether	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Hexachlorobenzene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Pentachlorophenol	ug/Kg	3900 U	3900 U	3400 U	3900 U	3900 U	3700 U	3300 U	3900 U
Phenanthrene	ug/Kg	170 J	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Anthracene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Di-n-butylphthalate	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Fluoranthene	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Pyrene	ug/Kg	1800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Butylbenzylphthalate	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
3,3'-Dichlorobenzidine	ug/Kg	1800 U	1500 U	1400 U	1500 U	1600 U	1500 U	1400 U	1500 U
Benzo(a)anthracene	ug/Kg	1300 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Chrysene	ug/Kg	1800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
bis(2-Ethylhexyl)phthalate	ug/Kg	800 U	730 U	700 J	740 U	790 U	770 U	680 U	740 U
Di-n-octylphthalate	ug/Kg	800 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Benzo(b)fluoranthene	ug/Kg	740 J	730 U	710 U	740 U	790 U	770 U	680 U	740 U
benzo(k)fluoranthene	ug/Kg	870 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Benzo(a)pyrene	ug/Kg	1500 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Indeno(1,2,3-cd)pyrene	ug/Kg	680 J	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Dibenzo(a,h)anthracene	ug/Kg	330 J	730 U	710 U	740 U	790 U	770 U	680 U	740 U
Benzo(g,h,i)perylene	ug/Kg	680 U	730 U	710 U	740 U	790 U	770 U	680 U	740 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		B18-91	B18-91	B19-91	B19-91	B19-91	B19-91	B20-91	B20-91
		2-4	4-8	0-2	2-4	4-8	0-2	2-4	4-8
		11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/14/91	11/14/91	11/14/91
		S1113-61	S1113-62	S1113-63	S1113-64	S1113-65	S1114-66	S1114-67	S1114-68
		148933	148934	148935	148936	148937	149176	149177	149178
COMPOUND	LAB ID	UNITS							
3-Nitroaniline	ug/Kg	3800 U	3400 U	3800 U	3500 U	3700 U	3800 U	3800 U	3800 U
Acenaphthene	ug/Kg	740 U	700 U	780 U	8 J	780 U	780 U	750 U	740 U
2,4-Dinitrophenol	ug/Kg	3800 U	3400 U	3800 U	3500 U	3700 U	3800 U	3800 U	3800 U
4-Nitrophenol	ug/Kg	3800 U	3400 U	3800 U	3500 U	3700 U	3800 U	3800 U	3800 U
Dibenzofuran	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
2,4-Dinitrotoluene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Diethylphthalate	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
4-Chlorophenyl-phenylether	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Fluorene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
4-Nitroaniline	ug/Kg	3800 U	3400 U	3800 U	3500 U	3700 U	3800 U	3800 U	3800 U
4,6-Dinitro-2-methylphenol	ug/Kg	3800 U	3400 U	3800 U	3500 U	3700 U	3800 U	3800 U	3800 U
N-Nitrosodiphenylamine (1)	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
4-Bromophenyl-phenylether	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Hexachlorobenzene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Pentachlorophenol	ug/Kg	3800 U	3400 U	3800 U	3500 U	3700 U	3800 U	3800 U	3800 U
Phenanthrene	ug/Kg	740 U	700 U	780 U	730 U	780 U	290 J	750 U	740 U
Anthracene	ug/Kg	740 U	700 U	780 U	730 U	780 U	84 J	750 U	740 U
Di-n-butylphthalate	ug/Kg	740 U	700 U	780 U	730 U	780 U	88 J	750 U	740 U
Fluoranthene	ug/Kg	740 U	700 U	780 U	730 U	780 U	270 J	750 U	740 U
Pyrene	ug/Kg	740 U	700 U	780 U	730 U	780 U	300 J	750 U	740 U
Butylbenzylphthalate	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U	1400 U	1600 U	1500 U	1500 U	1600 U	1500 U	1500 U
Benzo(a)anthracene	ug/Kg	740 U	700 U	780 U	730 U	780 U	150 J	750 U	740 U
Chrysene	ug/Kg	740 U	700 U	780 U	730 U	780 U	160 J	750 U	740 U
bis(2-Ethylhexyl)phthalate	ug/Kg	400 J	110 J	780 U	730 U	88 J	780 U	750 U	740 U
Di-n-octylphthalate	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Benzo(b)fluoranthene	ug/Kg	740 U	700 U	780 U	730 U	780 U	93 J	750 U	740 U
benzo(k)fluoranthene	ug/Kg	740 U	700 U	780 U	730 U	780 U	160 J	750 U	740 U
Benzo(a)pyrene	ug/Kg	740 U	700 U	780 U	730 U	780 U	120 J	750 U	740 U
Indeno(1,2,3-cd)pyrene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Dibenz(a,h)anthracene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U
Benzo(g,h,i)perylene	ug/Kg	740 U	700 U	780 U	730 U	780 U	780 U	750 U	740 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DEPTH	B21-91	B21-91	B21-91	B21-91	B22-91	B22-91	B23-91	B23-91	B23-91
DATE	0-2	2-4	2-4	2-4	0-2	2-4	0-2	2-4	4-8
MAIN ID	11/14/91	11/14/91	11/14/91	11/14/91	12/02/91	12/02/91	12/02/91	12/02/91	12/02/91
LAB ID	S1114-69	S1114-70	S1114-71 (1)	S1202-73 (3)	S1202-74 (3)	S1202-78	S1202-77	S1202-78	S1202-78
UNITS	149179	149180	149181	150016	150017	150019	150020	150021	150021
COMPOUND									
3-Nitroaniline	ug/Kg	3600 U	3700 U	3600 U	3600 U	3500 U	3600 U	3600 U	3600 U
Acenaphthene	ug/Kg	220 J	770 U	740 U	800 U	710 U	790 U	740 U	730 U
2,4-Dinitrophenol	ug/Kg	3600 U	3700 U	3600 U	3600 U	3500 U	3600 U	3600 U	3600 U
4-Nitrophenol	ug/Kg	3600 U	3700 U	3600 U	3600 U	3500 U	3600 U	3600 U	3600 U
Dibenzofuran	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
2,4-Dinitrotoluene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Diethylphthalate	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
4-Chlorophenyl-phenylether	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Fluorene	ug/Kg	180 J	770 U	740 U	800 U	710 U	790 U	740 U	730 U
4-Nitroaniline	ug/Kg	3600 U	3700 U	3600 U	3600 U	3500 U	3600 U	3600 U	3600 U
4,6-Dinitro-2-methylphenol	ug/Kg	3600 U	3700 U	3600 U	3600 U	3500 U	3600 U	3600 U	3600 U
N-Nitrosodiphenylamine (1)	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
4-Bromophenyl-phenylether	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Hexachlorobenzene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Pentachlorophenol	ug/Kg	3600 U	3700 U	3600 U	3600 U	3500 U	3600 U	3600 U	3600 U
Phenanthrene	ug/Kg	1700	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Anthracene	ug/Kg	480 J	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Di-n-butylphthalate	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Fluoranthene	ug/Kg	2000	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Pyrene	ug/Kg	2100	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Butylbenzylphthalate	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
3,3'-Dichlorobenzidine	ug/Kg	1800 U	1500 U	1500 U	1800 U	1400 U	1800 U	1500 U	1500 U
Benzo(a)anthracene	ug/Kg	830	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Chrysene	ug/Kg	880	770 U	740 U	800 U	710 U	790 U	740 U	730 U
bis(2-Ethylhexyl)phthalate	ug/Kg	830 J	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Di-n-octylphthalate	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Benzo(b)fluoranthene	ug/Kg	670 J	770 U	740 U	800 U	710 U	790 U	740 U	730 U
benzo(k)fluoranthene	ug/Kg	700 J	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Benzo(a)pyrene	ug/Kg	780 J	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Indeno(1,2,3-cd)pyrene	ug/Kg	350 J	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Dibenz(a,h)anthracene	ug/Kg	780 U	770 U	740 U	800 U	710 U	790 U	740 U	730 U
Benzo(g,h,i)perylene	ug/Kg	370 J	770 U	740 U	800 U	710 U	790 U	740 U	730 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DEPTH	B24-01	B24-01	B24-01	B24-01	B25-01	B25-01	B25-01	B25-01	B27-01
DATE	0-2	2-4	4-8	0-2	2-4	4-8	0-2	2-4	0-2
MAIN ID	12/03/91	12/03/91	12/03/91	12/03/91	12/03/91	12/03/91	12/03/91	12/03/91	12/04/91
LAB ID	S1203-79 (3)	S1203-80 (3)	S1203-81 (3)	S1203-82	S1203-83	S1203-84	S1203-84	S1204-85 (2,3)	S1204-87(3)
UNITS	150022	150023	150024	150025	150026	150027	150027	150235	150236
COMPOUND									
3-Nitroaniline	ug/Kg	4400 U	3500 U	3400 U	4300 U	3800 U	3400 U	4100 U	3800 U
Acenaphthene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
2,4-Dinitrophenol	ug/Kg	4400 U	3500 U	3400 U	4300 U	3800 U	3400 U	4100 U	3800 U
4-Nitrophenol	ug/Kg	4400 U	3500 U	3400 U	4300 U	3800 U	3400 U	4100 U	3800 U
Dibenzofuran	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
2,4-Dinitrotoluene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Diethylphthalate	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
4-Chlorophenyl-phenylether	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Fluorene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
4-Nitroaniline	ug/Kg	4400 U	3500 U	3400 U	4300 U	3800 U	3400 U	4100 U	3800 U
4,6-Dinitro-2-methylphenol	ug/Kg	4400 U	3500 U	3400 U	4300 U	3800 U	3400 U	4100 U	3800 U
N-Nitrosodiphenylamine (1)	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
4-Bromophenyl-phenylether	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Hexachlorobenzene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Pentachlorophenol	ug/Kg	4400 U	3500 U	3400 U	4300 U	3800 U	3400 U	4100 U	3800 U
Phenanthrene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Anthracene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Di-n-butylphthalate	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Fluoranthene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	110 J	780 U
Pyrene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	90 J	780 U
Butylbenzylphthalate	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
3,3'-Dichlorobenzidine	ug/Kg	1800 U	1400 U	1400 U	1800 U	1500 U	1400 U	1700 U	1800 U
Benzo(a)anthracene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Chrysene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
bis(2-Ethylhexyl)phthalate	ug/Kg	900 U	720 U	700 U	880 U	730 U	510 J	840 U	780 U
Di-n-octylphthalate	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Benzo(b)fluoranthene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
benzo(k)fluoranthene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Benzo(a)pyrene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Indeno(1,2,3-cd)pyrene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Dibenz(a,h)anthracene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U
Benzo(g,h,i)perylene	ug/Kg	900 U	720 U	700 U	880 U	730 U	710 U	840 U	780 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DEPTH	B28-91	B28-91	B28-91	B28-91	B28-91	B28-91	B28-91	B28-91	B28-91
DATE	0-2	2-4	2-4	2-4	4-8	0-2	0-2	2-4	4-8
MAIN ID	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91
LAB ID	S1204-88 (3)	S1204-89	S1204-88A(1)	S1204-80	S1204-81	S1204-81A(1)	S1204-82	S1204-83	S1204-83
UNITS	150237	150238	150240	150241	150242	150243	150244	150245	150245
COMPOUND									
3-Nitroaniline	ug/Kg	3500 U	3700 U	3700 U	3500 U	3800 U	3800 U	3500 U	3500 U
Acenaphthene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
2,4-Dinitrophenol	ug/Kg	3500 U	3700 U	3700 U	3500 U	3800 U	3800 U	3500 U	3500 U
4-Nitrophenol	ug/Kg	3500 U	3700 U	3700 U	3500 U	3800 U	3800 U	3500 U	3500 U
Dibenzofuran	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
2,4-Dinitrotoluene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Diethylphthalate	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
4-Chlorophenyl-phenylether	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Fluorene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
4-Nitroaniline	ug/Kg	3500 U	3700 U	3700 U	3500 U	3800 U	3800 U	3500 U	3500 U
4,6-Dinitro-2-methylphenol	ug/Kg	3500 U	3700 U	3700 U	3500 U	3800 U	3800 U	3500 U	3500 U
N-Nitrosodiphenylamine (1)	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
4-Bromophenyl-phenylether	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Hexachlorobenzene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Pentachlorophenol	ug/Kg	3500 U	3700 U	3700 U	3500 U	3800 U	3800 U	3500 U	3500 U
Phenanthrene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Anthracene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Di-n-butylphthalate	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Fluoranthene	ug/Kg	710 U	780 U	780 U	730 U	72 J	100 J	720 U	730 U
Pyrene	ug/Kg	710 U	780 U	780 U	730 U	790 U	120 J	720 U	730 U
Butylbenzylphthalate	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
3,3'-Dichlorobenzidine	ug/Kg	1400 U	1500 U	1500 U	1500 U	1600 U	780 U	1400 U	1500 U
Benzo(a)anthracene	ug/Kg	710 U	780 U	780 U	730 U	790 U	160 J	720 U	730 U
Chrysene	ug/Kg	710 U	780 U	780 U	730 U	790 U	160 J	720 U	730 U
bis(2-Ethylhexyl)phthalate	ug/Kg	710 U	780 U	310 J	81 J	88 J	110 J	720 U	730 U
Di-n-octylphthalate	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Benzo(b)fluoranthene	ug/Kg	710 U	780 U	780 U	730 U	790 U	140 J	720 U	730 U
benzo(k)fluoranthene	ug/Kg	710 U	780 U	780 U	730 U	790 U	210 J	720 U	730 U
Benzo(a)pyrene	ug/Kg	710 U	780 U	780 U	730 U	790 U	180 J	720 U	730 U
Indeno(1,2,3-cd)pyrene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Dibenz(a,h)anthracene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U
Benzo(g,h,i)perylene	ug/Kg	710 U	780 U	780 U	730 U	790 U	780 U	720 U	730 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DEPTH	B29-91	B30-91	B30-91	B30-91	B30-91	B30-91	B30-91	B30-91	B30-91
DATE	4-8	0-2	0-2	0-2	0-2	2-4	2-4	4-8	4-8
MAIN ID	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91
LAB ID	S1204-93A(1)	S1204-94	S1204-94A(1)	S1204-94RE(4)	S1204-95	S1204-95RE(4)	S1204-95	S1204-98	S1204-98A(1)
UNITS	150246	150247	150248	150247	150248	150249	150249	150250	150251
COMPOUND									
3-Nitroaniline	ug/Kg	3600 U	3600 U	3700 U	3600 U	3500 U	3500 U	7100 U	7000 U
Acenaphthene	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
2,4-Dinitrophenol	ug/Kg	3600 U	3600 U	3700 U	3600 U	3500 U	3500 U	7100 U	7000 U
4-Nitrophenol	ug/Kg	3600 U	3600 U	81 J	3600 U	3500 U	3500 U	7100 U	7000 U
Dibenzofuran	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
2,4-Dinitrotoluene	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
Diethylphthalate	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
4-Chlorophenyl-phenylether	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
Fluorene	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
4-Nitroaniline	ug/Kg	3600 U	3600 U	3700 U	3600 U	3500 U	3500 U	7100 U	7000 U
4,6-Dinitro-2-methylphenol	ug/Kg	3600 U	3600 U	3700 U	3600 U	3500 U	3500 U	7100 U	7000 U
N-Nitrosodiphenylamine (1)	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
4-Bromophenyl-phenylether	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
Hexachlorobenzene	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
Pentachlorophenol	ug/Kg	3600 U	3600 U	3700 U	3600 U	3500 U	3500 U	7100 U	7000 U
Phenanthrene	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
Anthracene	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
Di-n-butylphthalate	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
Fluoranthene	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
Pyrene	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
Butylbenzylphthalate	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
3,3'-Dichlorobenzidine	ug/Kg	1500 U	1600 U	780 U	1800 U	1400 U	1400 U	2900 U	2900 U
Benzo(a)anthracene	ug/Kg	750 U	600 U	85 J	600 U	720 U	720 U	1500 U	1400 U
Chrysene	ug/Kg	750 U	600 U	79 J	600 U	720 U	720 U	1500 U	1400 U
bis(2-Ethylhexyl)phthalate	ug/Kg	750 U	600 U	120 J	600 U	720 U	120 J	1500 U	1400 U
Di-n-octylphthalate	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
Benzo(b)fluoranthene	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
benzo(k)fluoranthene	ug/Kg	750 U	600 U	780 U	600 U	720 U	720 U	1500 U	1400 U
Benzo(a)pyrene	ug/Kg	750 U	600 U	70 J	600 U	720 U	720 U	1500 U	1400 U
Indeno(1,2,3-cd)pyrene	ug/Kg	750 U	600 U	81 J	600 U	720 U	720 U	1500 U	1400 U
Dibenz(a,h)anthracene	ug/Kg	750 U	600 U	81 J	600 U	720 U	720 U	1500 U	1400 U
Benzo(g,h,i)perylene	ug/Kg	750 U	600 U	84 J	600 U	720 U	720 U	1500 U	1400 U

**ASH LANDFILL
SOIL SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
DEPTH	B31-91	B31-91	B31-91	B31-91	B31-91	B31-91	
DATE	6-8	0-2	0-2	2-4	4-8	4-8	
MAIN ID	12/05/91	12/05/91	12/05/91	12/05/91	12/05/91	12/05/91	
LAB ID	S1205-100 (2)	S1205-97	S1205-97A(1)	S1205-98 (3)	S1205-99	S1205-99RE(4)	
COMPOUND	150256	150252	150253	150254	150255	150255	
UNITS							
3-Nitroaniline	ug/Kg	20000 U	3900 U	3800 U	3800 U	3500 U	3500 U
Acenaphthene	ug/Kg	4100 U	800 U	780 U	780 U	720 U	720 U
2,4-Dinitrophenol	ug/Kg	20000 U	3900 U	3800 U	3800 U	3500 U	3500 U
4-Nitrophenol	ug/Kg	1800 J	3900 U	3800 U	3800 U	3500 U	3500 U
Dibenzofuran	ug/Kg	4100 U	800 U	780 U	780 U	110 J	720 U
2,4-Dinitrotoluene	ug/Kg	4100 U	800 U	780 U	780 U	720 U	720 U
Diethylphthalate	ug/Kg	4100 U	800 U	780 U	780 U	720 U	720 U
4-Chlorophenyl-phenylether	ug/Kg	4100 U	800 U	780 U	780 U	720 U	720 U
Fluorene	ug/Kg	4100 U	800 U	780 U	780 U	720 U	720 U
4-Nitroaniline	ug/Kg	20000 U	3900 U	3800 U	3800 U	3500 U	3500 U
4,6-Dinitro-2-methylphenol	ug/Kg	20000 U	3900 U	3800 U	3800 U	720 U	3500 U
N-Nitrosodiphenylamine (1)	ug/Kg	4100 U	800 U	780 U	780 U	720 U	720 U
4-Bromophenyl-phenylether	ug/Kg	4100 U	800 U	780 U	780 U	720 U	720 U
Hexachlorobenzene	ug/Kg	4100 U	800 U	780 U	780 U	720 U	720 U
Pentachlorophenol	ug/Kg	20000 U	3900 U	3800 U	3800 U	3500 U	3500 U
Phenanthrene	ug/Kg	4100 U	180 J	120 J	780 U	110 J	110 J
Anthracene	ug/Kg	4100 U	800 U	780 U	780 U	720 U	720 U
Di-n-butylphthalate	ug/Kg	4100 U	800 U	150 J	780 U	720 U	720 U
Fluoranthene	ug/Kg	4100 U	250 J	250 J	150 J	120 J	110 J
Pyrene	ug/Kg	4100 U	190 J	250 J	110 J	140 J	130 J
Butylbenzylphthalate	ug/Kg	4100 U	800 U	140 J	780 U	390 J	720 U
3,3'-Dichlorobenzidine	ug/Kg	8100 U	1600 U	1600 U	1600 U	1400 U	1400 U
Benzo(a)anthracene	ug/Kg	4100 U	140 J	280 J	100 J	720 U	720 U
Chrysene	ug/Kg	4100 U	150 J	210 J	100 J	83 J	110 J
bis(2-Ethylhexyl)phthalate	ug/Kg	4100 U	83 J	230 J	170 J	220 J	210 J
Di-n-octylphthalate	ug/Kg	4100 U	800 U	150 J	780 U	250 J	720 U
Benzo(b)fluoranthene	ug/Kg	4100 U	130 J	240 J	100 J	720 U	720 U
benzo(k)fluoranthene	ug/Kg	4100 U	99 J	180 J	82 J	720 U	720 U
Benzo(a)pyrene	ug/Kg	4100 U	110 J	200 J	88 J	720 U	720 U
Indeno(1,2,3-cd)pyrene	ug/Kg	4100 U	82 J	200 J	780 U	720 U	720 U
Dibenz(a,h)anthracene	ug/Kg	4100 U	800 U	170 J	780 U	720 U	720 U
Benzo(g,h,i)perylene	ug/Kg	4100 U	83 J	220 J	72 J	720 U	720 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B1-91	B1-91	B1-91	B2-91	B2-91	B2-91	B3-91	B3-91	B3-91
	DEPTH	0-2	2-4	4-6	0-2	2-4	6-8	0-2	0-2	4-8
	DATE	10/30/91	10/30/91	10/30/91	10/31/91	10/31/91	10/31/91	10/31/91	10/31/91	10/31/91
	MAIN ID	S1030-1	S1030-2	S1030-3	S1031-4	S1031-5	S1031-6	S1031-8	S1031-8	S1031-10
	LAB ID	147824	147825	147826	147827	147828	147829	147831	147831	147833
	UNITS									
alpha-BHC	ug/Kg	17 U	18 U	17 U	17 U	18 U	17 U	22 U	18 U	18 U
beta-BHC	ug/Kg	17 U	18 U	17 U	17 U	18 U	17 U	22 U	18 U	18 U
delta-BHC	ug/Kg	17 U	18 U	17 U	17 U	18 U	17 U	22 U	18 U	18 U
gamma-BHC (Lindane)	ug/Kg	17 U	18 U	17 U	17 U	18 U	17 U	22 U	18 U	18 U
Heptachlor	ug/Kg	17 U	18 U	17 U	17 U	18 U	17 U	22 U	18 U	18 U
Aldrin	ug/Kg	17 U	18 U	17 U	17 U	18 U	17 U	22 U	18 U	18 U
Heptachlor epoxide	ug/Kg	17 U	18 U	17 U	17 U	18 U	17 U	22 U	18 U	18 U
Endosulfan I	ug/Kg	17 U	18 U	17 U	17 U	18 U	17 U	22 U	18 U	18 U
Dieldrin	ug/Kg	35 U	35 U	33 U	34 U	36 U	35 U	43 U	35 U	35 U
4,4'-DDE	ug/Kg	35 U	35 U	33 U	34 U	36 U	35 U	43 U	35 U	35 U
Endrin	ug/Kg	35 U	35 U	33 U	34 U	36 U	35 U	43 U	35 U	35 U
Endosulfan II	ug/Kg	35 U	35 U	33 U	34 U	36 U	35 U	43 U	35 U	35 U
4,4'-DDD	ug/Kg	35 U	35 U	33 U	34 U	36 U	35 U	43 U	35 U	35 U
Endosulfan sulfate	ug/Kg	35 U	35 U	33 U	34 U	36 U	35 U	43 U	35 U	35 U
4,4'-DDT	ug/Kg	35 U	35 U	33 U	34 U	36 U	35 U	43 U	35 U	35 U
Methoxychlor	ug/Kg	170 U	180 U	170 U	170 U	180 U	170 U	220 U	180 U	180 U
Endrin ketone	ug/Kg	35 U	35 U	33 U	34 U	36 U	35 U	43 U	35 U	35 U
alpha-Chlordane	ug/Kg	170 U	180 U	170 U	170 U	180 U	170 U	220 U	180 U	180 U
gamma-Chlordane	ug/Kg	170 U	180 U	170 U	170 U	180 U	170 U	220 U	180 U	180 U
Toxaphene	ug/Kg	350 U	350 U	330 U	340 U	360 U	350 U	430 U	350 U	350 U
Aroclor-1016	ug/Kg	170 U	180 U	170 U	170 U	180 U	170 U	220 U	180 U	180 U
Aroclor-1221	ug/Kg	170 U	180 U	170 U	170 U	180 U	170 U	220 U	180 U	180 U
Aroclor-1232	ug/Kg	170 U	180 U	170 U	170 U	180 U	170 U	220 U	180 U	180 U
Aroclor-1242	ug/Kg	170 U	180 U	170 U	170 U	180 U	170 U	220 U	180 U	180 U
Aroclor-1248	ug/Kg	170 U	180 U	170 U	170 U	180 U	170 U	220 U	180 U	180 U
Aroclor-1254	ug/Kg	350 U	350 U	330 U	340 U	360 U	350 U	430 U	350 U	350 U
Aroclor-1260	ug/Kg	350 U	350 U	330 U	340	360 Y	360	430 U	350 U	350 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DEPTH	B4-91	B4-91	B4-91	B5-91	B5-91	B5-91	B5-91	B6-91	B6-91
DATE	0-2	2-4	4-6	0-2	2-4	4-6	0-2	2-4	2-4
MAIN ID	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91	11/04/91	11/04/91
LAB ID	S1101-12	S1101-13	S1101-14	S1101-15	S1101-16	S1101-17	S1101-19	S1104-20	S1104-20
UNITS	147885	147886	147887	147888	147889	147890	148021	148022	148022
COMPOUND	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
alpha-BHC	ug/Kg	19 U	17 U	17 U	20 U	18 U	18 U	19 U	18 U
beta-BHC	ug/Kg	19 U	17 U	17 U	20 U	18 U	18 U	19 U	18 U
delta-BHC	ug/Kg	19 U	17 U	17 U	20 U	18 U	18 U	19 U	18 U
gamma-BHC (Lindane)	ug/Kg	19 U	17 U	17 U	20 U	18 U	18 U	19 U	18 U
Heptachlor	ug/Kg	19 U	17 U	17 U	20 U	18 U	18 U	19 U	18 U
Aldrin	ug/Kg	19 U	17 U	17 U	20 U	18 U	18 U	19 U	18 U
Heptachlor epoxide	ug/Kg	19 U	17 U	17 U	20 U	18 U	18 U	19 U	18 U
Endosulfan I	ug/Kg	19 U	17 U	17 U	20 U	18 U	18 U	19 U	18 U
Dieldrin	ug/Kg	38 U	35 U	34 U	41 U	35 U	37 U	38 U	38 U
4,4'-DDE	ug/Kg	38 U	35 U	34 U	41 U	35 U	37 U	38 U	38 U
Endrin	ug/Kg	38 U	35 U	34 U	41 U	35 U	37 U	38 U	38 U
Endosulfan II	ug/Kg	38 U	35 U	34 U	41 U	35 U	37 U	38 U	38 U
4,4'-DDD	ug/Kg	38 U	35 U	34 U	41 U	35 U	37 U	38 U	38 U
Endosulfan sulfate	ug/Kg	38 U	35 U	34 U	41 U	35 U	37 U	38 U	38 U
4,4'-DDT	ug/Kg	38 U	35 U	34 U	41 U	35 U	37 U	38 U	38 U
Methoxychlor	ug/Kg	190 U	170 U	170 U	200 U	180 U	180 U	190 U	180 U
Endrin ketone	ug/Kg	38 U	35 U	34 U	41 U	35 U	37 U	38 U	38 U
alpha-Chlordane	ug/Kg	190 U	170 U	170 U	200 U	180 U	180 U	190 U	180 U
gamma-Chlordane	ug/Kg	190 U	170 U	170 U	200 U	180 U	180 U	190 U	180 U
Toxaphene	ug/Kg	380 U	350 U	340 U	410 U	350 U	370 U	380 U	380 U
Aroclor-1016	ug/Kg	190 U	170 U	170 U	200 U	180 U	180 U	190 U	180 U
Aroclor-1221	ug/Kg	190 U	170 U	170 U	200 U	180 U	180 U	190 U	180 U
Aroclor-1232	ug/Kg	190 U	170 U	170 U	200 U	180 U	180 U	190 U	180 U
Aroclor-1242	ug/Kg	190 U	170 U	170 U	200 U	180 U	180 U	190 U	180 U
Aroclor-1248	ug/Kg	190 U	170 U	170 U	200 U	180 U	180 U	190 U	180 U
Aroclor-1254	ug/Kg	380 U	350 U	340 U	410 U	350 U	370 U	380 U	380 U
Aroclor-1260	ug/Kg	380 U	350 U	340 U	410 U	350 U	370 U	380 U	380 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B7-91	B7-91	B7-91	B8-91	B8-91	B8-91	B8-91	B8-91	B9-91
	DEPTH	0-2	2-4	10-12	0-2	2-4	2-4	2-4	6-8	0-2
	DATE	11/04/91	11/04/91	11/04/91	11/05/91	11/05/91	11/05/91	11/05/91	11/05/91	11/05/91
	MAIN ID	S1104-21	S1104-22	S1104-23	S1105-24	S1105-25	S1105-26 (1)	S1105-27	S1105-28	S1105-28
	LAB ID	148023	148024	148025	148026	148027	148028	148029	148030	148030
	UNITS									
alpha-BHC	ug/Kg	18 U	17 U	21 U	18 U	18 U	18 U	17 U	19 U	19 U
beta-BHC	ug/Kg	18 U	17 U	21 U	18 U	18 U	18 U	17 U	19 U	19 U
delta-BHC	ug/Kg	18 U	17 U	21 U	18 U	18 U	18 U	17 U	19 U	19 U
gamma-BHC (Lindane)	ug/Kg	18 U	17 U	21 U	18 U	18 U	18 U	17 U	19 U	19 U
Heptachlor	ug/Kg	18 U	17 U	21 U	18 U	18 U	18 U	17 U	19 U	19 U
Aldrin	ug/Kg	18 U	17 U	21 U	18 U	18 U	18 U	17 U	19 U	19 U
Heptachlor epoxide	ug/Kg	18 U	17 U	21 U	18 U	18 U	18 U	17 U	19 U	19 U
Endosulfan I	ug/Kg	18 U	17 U	21 U	18 U	18 U	18 U	17 U	19 U	19 U
Dieldrin	ug/Kg	38 U	35 U	42 U	37 U	38 U	36 U	34 U	38 U	38 U
4,4'-DDE	ug/Kg	27 Y	18 Y	42 U	37 U	36 U	35 U	34 U	38 U	38 U
Endrin	ug/Kg	38 U	35 U	42 U	37 U	36 U	35 U	34 U	38 U	38 U
Endosulfan II	ug/Kg	38 U	35 U	42 U	37 U	36 U	35 U	34 U	38 U	38 U
4,4'-DDD	ug/Kg	27 Y	29 Y	42 U	37 U	36 U	35 U	34 U	38 U	38 U
Endosulfan sulfate	ug/Kg	38 U	35 U	42 U	37 U	36 U	35 U	34 U	38 U	38 U
4,4'-DDT	ug/Kg	38	19 Y	42 U	37 U	36 U	35 U	34 U	38 U	38 U
Methoxychlor	ug/Kg	180 U	170 U	210 U	180 U	180 U	180 U	170 U	190 U	190 U
Endrin ketone	ug/Kg	38 U	35 U	42 U	37 U	36 U	35 U	34 U	38 U	38 U
alpha-Chlordane	ug/Kg	180 U	170 U	210 U	180 U	180 U	180 U	170 U	190 U	190 U
gamma-Chlordane	ug/Kg	180 U	170 U	210 U	180 U	180 U	180 U	170 U	190 U	190 U
Toxaphene	ug/Kg	380 U	350 U	420 U	370 U	380 U	350 U	340 U	380 U	380 U
Aroclor-1018	ug/Kg	180 U	170 U	210 U	180 U	180 U	180 U	170 U	190 U	190 U
Aroclor-1221	ug/Kg	180 U	170 U	210 U	180 U	180 U	180 U	170 U	190 U	190 U
Aroclor-1232	ug/Kg	180 U	170 U	210 U	180 U	180 U	180 U	170 U	190 U	190 U
Aroclor-1242	ug/Kg	180 U	170 U	210 U	180 U	180 U	180 U	170 U	190 U	190 U
Aroclor-1248	ug/Kg	180 U	170 U	210 U	180 U	180 U	180 U	170 U	190 U	190 U
Aroclor-1254	ug/Kg	380 U	350 U	420 U	370 U	380 U	350 U	340 U	380 U	380 U
Aroclor-1260	ug/Kg	380 U	350 U	420 U	370 U	380 U	350 U	340 U	380 U	380 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B9-91	B9-91	B10-91	B10-91	B10-91	B10-91	B11-91	B11-91
	DEPTH	2-4	6-8	0-2	2-4	2-4	6-8	0-2	2-4
	DATE	11/06/91	11/06/91	11/06/91	11/06/91	11/06/91	11/06/91	11/06/91	11/06/91
	MAIN ID	S1105-29	S1105-30	S1106-31	S1106-32	S1106-33 (1)	S1106-34	S1106-36	S1106-37
	LAB ID	148031	148032	148457	148458	148459	148460	148462	148463
	UNITS								
alpha-BHC	ug/Kg	17 U	17 U	18 U	18 U	18 U	18 U	19 U	17 U
beta-BHC	ug/Kg	17 U	17 U	18 U	18 U	18 U	18 U	19 U	17 U
delta-BHC	ug/Kg	17 U	17 U	18 U	18 U	18 U	18 U	19 U	17 U
gamma-BHC (Lindane)	ug/Kg	17 U	17 U	18 U	18 U	18 U	18 U	19 U	17 U
Heptachlor	ug/Kg	17 U	17 U	18 U	18 U	18 U	18 U	19 U	17 U
Aldrin	ug/Kg	17 U	17 U	18 U	18 U	18 U	18 U	19 U	17 U
Heptachlor epoxide	ug/Kg	17 U	17 U	18 U	18 U	18 U	18 U	19 U	17 U
Endosulfan I	ug/Kg	17 U	17 U	18 U	18 U	18 U	18 U	19 U	17 U
Dieldrin	ug/Kg	35 U	34 U	36 U	36 U	37 U	36 U	36 U	34 U
4,4'-DDE	ug/Kg	35 U	34 U	30 Y	26 Y	30 Y	36 U	36 U	34 U
Endrin	ug/Kg	35 U	34 U	36 U	36 U	37 U	36 U	36 U	34 U
Endosulfan II	ug/Kg	35 U	34 U	36 U	36 U	37 U	36 U	36 U	34 U
4,4'-DDD	ug/Kg	35 U	34 U	23 Y	36	34 Y	36 U	36 U	34 U
Endosulfan sulfate	ug/Kg	35 U	34 U	36 U	36 U	37 U	36 U	36 U	34 U
4,4'-DDT	ug/Kg	35 U	34 U	36 U	36 U	37 U	36 U	36 U	34 U
Methoxychlor	ug/Kg	170 U	170 U	180 U	180 U	180 U	180 U	190 U	170 U
Endrin ketone	ug/Kg	35 U	34 U	36 U	36 U	37 U	36 U	36 U	34 U
alpha-Chlordane	ug/Kg	170 U	170 U	180 U	180 U	180 U	180 U	190 U	170 U
gamma-Chlordane	ug/Kg	170 U	170 U	180 U	180 U	180 U	180 U	190 U	170 U
Toxaphene	ug/Kg	350 U	340 U	360 U	360 U	370 U	360 U	360 U	340 U
Aroclor-1016	ug/Kg	170 U	170 U	180 U	180 U	180 U	180 U	190 U	170 U
Aroclor-1221	ug/Kg	170 U	170 U	180 U	180 U	180 U	180 U	190 U	170 U
Aroclor-1232	ug/Kg	170 U	170 U	180 U	180 U	180 U	180 U	190 U	170 U
Aroclor-1242	ug/Kg	170 U	170 U	180 U	180 U	180 U	180 U	190 U	170 U
Aroclor-1246	ug/Kg	170 U	170 U	180 U	180 U	180 U	180 U	190 U	170 U
Aroclor-1254	ug/Kg	350 U	340 U	360 U	360 U	370 U	360 U	360 U	340 U
Aroclor-1260	ug/Kg	350 U	340 U	360 U	360 U	370 U	360 U	360 U	340 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B11-91	B12-91	B12-91	B13-91	B13-91	B13-91	B14-91	B14-91
	DEPTH	0-8	0-2	2-4	0-2	2-4	0-2	0-2	2-4
	DATE	11/08/91	11/07/91	11/07/91	11/07/91	11/07/91	11/07/91	11/08/91	11/08/91
	MAIN ID	S1108-38	S1107-39	S1107-40	S1107-42	S1107-43	S1107-44	S1108-45	S1108-46
	LAB ID	148464	148704	148705	148707	148708	148709	148710	148711
	UNITS								
alpha-BHC	ug/Kg	18 U	19 U	17 U	20 U	17 U	18 U	18 U	17 U
beta-BHC	ug/Kg	18 U	19 U	17 U	20 U	17 U	18 U	18 U	17 U
delta-BHC	ug/Kg	18 U	19 U	17 U	20 U	17 U	18 U	18 U	17 U
gamma-BHC (Lindane)	ug/Kg	18 U	19 U	17 U	20 U	17 U	18 U	18 U	17 U
Heptachlor	ug/Kg	18 U	14 Y	17 U	20 U	17 U	18 U	18 U	17 U
Aldrin	ug/Kg	18 U	19 U	17 U	20 U	17 U	18 U	18 U	17 U
Heptachlor epoxide	ug/Kg	18 U	19 U	17 U	20 U	17 U	18 U	18 U	17 U
Endosulfan I	ug/Kg	18 U	19 U	17 U	20 U	17 U	18 U	18 U	17 U
Dieldrin	ug/Kg	35 U	46	34 U	40 U	34 U	32 U	37 U	34 U
4,4'-DDE	ug/Kg	35 U	37 U	34 U	40 U	34 U	32 U	37 U	34 U
Endrin	ug/Kg	35 U	37 U	34 U	40 U	34 U	32 U	37 U	34 U
Endosulfan II	ug/Kg	35 U	37 U	34 U	40 U	34 U	32 U	37 U	34 U
4,4'-DDD	ug/Kg	35 U	37 U	34 U	40 U	34 U	32 U	37 U	34 U
Endosulfan sulfate	ug/Kg	35 U	37 U	34 U	40 U	34 U	32 U	37 U	34 U
4,4'-DDT	ug/Kg	35 U	37 U	34 U	40 U	34 U	32 U	37 U	34 U
Methoxychlor	ug/Kg	180 U	190 U	170 U	200 U	170 U	180 U	180 U	170 U
Endrin ketone	ug/Kg	35 U	37 U	34 U	40 U	34 U	32 U	37 U	34 U
alpha-Chlordane	ug/Kg	180 U	190 U	170 U	200 U	170 U	180 U	180 U	170 U
gamma-Chlordane	ug/Kg	180 U	190 U	170 U	200 U	170 U	180 U	180 U	170 U
Toxaphene	ug/Kg	360 U	370 U	340 U	400 U	340 U	320 U	370 U	340 U
Aroclor-1018	ug/Kg	180 U	190 U	170 U	200 U	170 U	180 U	180 U	170 U
Aroclor-1221	ug/Kg	180 U	190 U	170 U	200 U	170 U	180 U	180 U	170 U
Aroclor-1232	ug/Kg	180 U	190 U	170 U	200 U	170 U	180 U	180 U	170 U
Aroclor-1242	ug/Kg	180 U	190 U	170 U	200 U	170 U	180 U	180 U	170 U
Aroclor-1248	ug/Kg	180 U	190 U	170 U	200 U	170 U	180 U	180 U	170 U
Aroclor-1254	ug/Kg	360 U	370 U	340 U	400 U	340 U	320 U	370 U	340 U
Aroclor-1260	ug/Kg	360 U	370 U	340 U	400 U	340 U	320 U	370 U	340 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B14-01	B14-01	B15-01	B15-01	B15-01	B15-01	B15-01	B16-01
	DEPTH	2-4	4-6	0-2	2-4	2-4	2-4	6-8	0-2
	DATE	11/08/01	11/08/01	11/08/01	11/08/01	11/08/01	11/08/01	11/08/01	11/12/01
	MAIN ID	S1108-47 (1)	S1108-48	S1108-49	S1108-50	S1108-51 (1)	S1108-52	S1112-53	S1112-54
	LAB ID	148712	148713	148714	148715	148716	148717	148825	148826
	UNITS								
alpha-BHC	ug/Kg	17 U	17 U	17 U	19 U	19 U	17 U	19 U	18 U
beta-BHC	ug/Kg	17 U	17 U	17 U	19 U	19 U	17 U	19 U	18 U
delta-BHC	ug/Kg	17 U	17 U	17 U	19 U	19 U	17 U	19 U	18 U
gamma-BHC (Lindane)	ug/Kg	17 U	17 U	17 U	19 U	19 U	17 U	19 U	18 U
Heptachlor	ug/Kg	17 U	17 U	17 U	19 U	19 U	17 U	19 U	18 U
Aldrin	ug/Kg	17 U	17 U	17 U	19 U	19 U	17 U	19 U	18 U
Heptachlor epoxide	ug/Kg	17 U	17 U	17 U	19 U	19 U	17 U	19 U	18 U
Endosulfan I	ug/Kg	17 U	17 U	17 U	19 U	19 U	17 U	19 U	18 U
Dieldrin	ug/Kg	35 U	33 U	34 U	39 U	38 U	35 U	39 U	38 U
4,4'-DDE	ug/Kg	35 U	33 U	250	39 U	38 U	69	21 Y	38 U
Endrin	ug/Kg	35 U	33 U	34 U	39 U	38 U	35 U	39 U	38 U
Endosulfan II	ug/Kg	35 U	33 U	34 U	39 U	38 U	35 U	39 U	38 U
4,4'-DDD	ug/Kg	35 U	33 U	34 U	39 U	38 U	35 U	39 U	38 U
Endosulfan sulfate	ug/Kg	35 U	33 U	34 U	39 U	38 U	35 U	39 U	38 U
4,4'-DDT	ug/Kg	35 U	33 U	34 U	39 U	38 U	35 U	39 U	38 U
Methoxychlor	ug/Kg	170 U	170 U	170 U	190 U	190 U	170 U	190 U	180 U
Endrin ketone	ug/Kg	35 U	33 U	34 U	39 U	38 U	35 U	39 U	38 U
alpha-Chlordane	ug/Kg	170 U	170 U	170 U	190 U	190 U	170 U	190 U	180 U
gamma-Chlordane	ug/Kg	170 U	170 U	170 U	190 U	190 U	170 U	190 U	180 U
Toxaphene	ug/Kg	350 U	330 U	340 U	390 U	380 U	350 U	390 U	380 U
Aroclor-1018	ug/Kg	170 U	170 U	170 U	190 U	190 U	170 U	190 U	180 U
Aroclor-1221	ug/Kg	170 U	170 U	170 U	190 U	190 U	170 U	190 U	180 U
Aroclor-1232	ug/Kg	170 U	170 U	170 U	190 U	190 U	170 U	190 U	180 U
Aroclor-1242	ug/Kg	170 U	170 U	170 U	190 U	190 U	170 U	190 U	180 U
Aroclor-1246	ug/Kg	170 U	170 U	170 U	190 U	190 U	170 U	190 U	180 U
Aroclor-1254	ug/Kg	350 U	330 U	340 U	390 U	380 U	350 U	390 U	380 U
Aroclor-1260	ug/Kg	350 U	330 U	330 Y	370 Y	430	230 Y	380 U	380 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B18-91	B17-91	B17-91	B17-91	B17-91	B18-91	B18-91	B18-91
	DEPTH	6-8	0-2	2-4	4-6	0-2	0-2	2-4	4-6
	DATE	11/12/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91
	MAIN ID	S1112-55	S1113-56	S1113-57	S1113-58	S1113-59 (2)	S1113-80	S1113-81	S1113-82
	LAB ID	148927	148928	148929	148930	148931	148932	148933	148934
	UNITS								
alpha-BHC	ug/Kg	17 U	18 U	19 U	19 U	17 U	18 U	18 U	17 U
beta-BHC	ug/Kg	17 U	18 U	19 U	19 U	17 U	18 U	18 U	17 U
delta-BHC	ug/Kg	17 U	18 U	19 U	19 U	17 U	18 U	18 U	17 U
gamma-BHC (Lindane)	ug/Kg	17 U	18 U	19 U	19 U	17 U	18 U	18 U	17 U
Heptachlor	ug/Kg	17 U	18 U	19 U	19 U	17 U	18 U	18 U	17 U
Aldrin	ug/Kg	17 U	18 U	19 U	19 U	17 U	18 U	18 U	17 U
Heptachlor epoxide	ug/Kg	17 U	18 U	19 U	19 U	17 U	18 U	18 U	17 U
Endosulfan I	ug/Kg	17 U	18 U	19 U	19 U	17 U	18 U	18 U	17 U
Dieldrin	ug/Kg	34 U	36 U	39 U	37 U	33 U	36 U	36 U	34 U
4,4'-DDE	ug/Kg	34 U	36	39 U	37 U	33 U	36 U	36 U	34 U
Endrin	ug/Kg	34 U	36 U	39 U	37 U	33 U	36 U	36 U	34 U
Endosulfan II	ug/Kg	34 U	36 U	39 U	37 U	33 U	36 U	36 U	34 U
4,4'-DDD	ug/Kg	34 U	36 U	39 U	37 U	33 U	36 U	36 U	34 U
Endosulfan sulfate	ug/Kg	34 U	36 U	39 U	37 U	33 U	36 U	36 U	34 U
4,4'-DDT	ug/Kg	34 U	36 U	39 U	37 U	33 U	36 U	36 U	34 U
Methoxychlor	ug/Kg	170 U	180 U	190 U	190 U	170 U	180 U	180 U	170 U
Endrin ketone	ug/Kg	34 U	36 U	39 U	37 U	33 U	36 U	36 U	34 U
alpha-Chlordane	ug/Kg	170 U	180 U	190 U	190 U	170 U	180 U	180 U	170 U
gamma-Chlordane	ug/Kg	170 U	180 U	190 U	190 U	170 U	180 U	180 U	170 U
Toxaphene	ug/Kg	340 U	360 U	360 U	370 U	330 U	360 U	360 U	340 U
Aroclor-1018	ug/Kg	170 U	180 U	190 U	190 U	170 U	180 U	180 U	170 U
Aroclor-1221	ug/Kg	170 U	180 U	190 U	190 U	170 U	180 U	180 U	170 U
Aroclor-1232	ug/Kg	170 U	180 U	190 U	190 U	170 U	180 U	180 U	170 U
Aroclor-1242	ug/Kg	170 U	180 U	190 U	190 U	170 U	180 U	180 U	170 U
Aroclor-1248	ug/Kg	170 U	180 U	190 U	190 U	170 U	180 U	180 U	170 U
Aroclor-1254	ug/Kg	340 U	360 U	360 U	370 U	330 U	360 U	360 U	340 U
Aroclor-1260	ug/Kg	340 U	360 U	360 U	370 U	330 U	360 U	360 U	340 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B19-91	B19-91	B19-91	B20-91	B20-91	B20-91	B20-91	B21-91
	DEPTH	0-2	2-4	4-6	0-2	2-4	2-4	4-6	0-2
	DATE	11/13/91	11/13/91	11/13/91	11/14/91	11/14/91	11/14/91	11/14/91	11/14/91
	MAIN ID	S1113-83	S1113-84	S1113-85	S1114-86	S1114-87	S1114-87DL(5)	S1114-88	S1114-89
	LAB ID	148935	148936	148937	149176	149177	149177	149178	149179
	UNITS								
alpha-BHC	ug/Kg	19 U	18 U	18 U	19 U	18 U	90 U	18 U	19 U
beta-BHC	ug/Kg	19 U	18 U	18 U	19 U	18 U	90 U	18 U	19 U
delta-BHC	ug/Kg	19 U	18 U	18 U	19 U	18 U	90 U	18 U	19 U
gamma-BHC (Lindane)	ug/Kg	19 U	18 U	18 U	19 U	18 U	90 U	18 U	19 U
Heptachlor	ug/Kg	19 U	18 U	18 U	19 U	18 U	90 U	18 U	19 U
Aldrin	ug/Kg	19 U	18 U	18 U	19 U	18 U	90 U	18 U	19 U
Heptachlor epoxide	ug/Kg	19 U	18 U	18 U	19 U	18 U	90 U	18 U	19 U
Endosulfan I	ug/Kg	19 U	18 U	18 U	19 U	18 U	90 U	18 U	19 U
Dieldrin	ug/Kg	36 U	35 U	37 U	36 U	36 U	180 U	36 U	36 U
4,4'-DDE	ug/Kg	36 U	35 U	37 U	26 Y	190 X	140 YD	16 Y	36 U
Endrin	ug/Kg	36 U	35 U	37 U	36 U	36 U	180 U	36 U	36 U
Endosulfan II	ug/Kg	36 U	35 U	37 U	36 U	36 U	180 U	36 U	36 U
4,4'-DDD	ug/Kg	36 U	35 U	37 U	36 U	36 U	180 U	36 U	36 U
Endosulfan sulfate	ug/Kg	36 U	35 U	37 U	36 U	36 U	180 U	36 U	36 U
4,4'-DDT	ug/Kg	36 U	35 U	37 U	36 U	29 Y	180 U	36 U	36 U
Methoxychlor	ug/Kg	190 U	180 U	180 U	190 U	180 U	900 U	180 U	190 U
Endrin ketone	ug/Kg	36 U	35 U	37 U	36 U	36 U	180 U	36 U	36 U
alpha-Chlordane	ug/Kg	190 U	180 U	180 U	190 U	180 U	900 U	180 U	190 U
gamma-Chlordane	ug/Kg	190 U	180 U	180 U	190 U	180 U	900 U	180 U	190 U
Toxaphene	ug/Kg	360 U	350 U	370 U	360 U	360 U	1800 U	360 U	360 U
Aroclor-1016	ug/Kg	190 U	180 U	180 U	190 U	180 U	900 U	180 U	190 U
Aroclor-1221	ug/Kg	190 U	180 U	180 U	190 U	180 U	900 U	180 U	190 U
Aroclor-1232	ug/Kg	190 U	180 U	180 U	190 U	180 U	900 U	180 U	190 U
Aroclor-1242	ug/Kg	190 U	180 U	180 U	190 U	180 U	900 U	180 U	190 U
Aroclor-1246	ug/Kg	190 U	180 U	180 U	190 U	180 U	900 U	180 U	190 U
Aroclor-1254	ug/Kg	360 U	350 U	370 U	360 U	360 U	1800 U	360 U	360 U
Aroclor-1260	ug/Kg	360 U	350 U	370 U	360 U	360 U	1800 U	360 U	360 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B21-91	B21-91	B22-91	B22-91	B23-91	B23-91	B23-91	B23-91	B24-91
	DEPTH	2-4	2-4	0-2	2-4	0-2	2-4	4-6	0-2	0-2
	DATE	11/14/91	11/14/91	12/02/91	12/02/91	12/02/91	12/02/91	12/02/91	12/03/91	12/03/91
	MAIN ID	S1114-70	S1114-71 (1)	S1202-73 (3)	S1202-74 (3)	S1202-76	S1202-77	S1202-78	S 1203-79(3)	S 1203-79(3)
	LAB ID	149180	149181	150018	150017	150019	150020	150021	150022	150022
	UNITS									
alpha-BHC	ug/Kg	19 U	18 U	19 U	17 U	19 U	18 U	18 U	22 U	22 U
beta-BHC	ug/Kg	19 U	18 U	19 U	17 U	19 U	18 U	18 U	22 U	22 U
delta-BHC	ug/Kg	19 U	18 U	19 U	17 U	19 U	18 U	18 U	22 U	22 U
gamma-BHC (Lindane)	ug/Kg	19 U	18 U	19 U	17 U	19 U	18 U	18 U	22 U	22 U
Heptachlor	ug/Kg	19 U	18 U	19 U	17 U	19 U	18 U	18 U	22 U	22 U
Aldrin	ug/Kg	19 U	18 U	19 U	17 U	19 U	18 U	18 U	22 U	22 U
Heptachlor epoxide	ug/Kg	19 U	18 U	19 U	17 U	19 U	18 U	18 U	22 U	22 U
Endosulfan I	ug/Kg	19 U	18 U	19 U	17 U	19 U	18 U	18 U	22 U	22 U
Dieldrin	ug/Kg	37 U	36 U	38 U	35 U	38 U	36 U	36 U	44 U	44 U
4,4'-DDE	ug/Kg	37 U	36 U	38 U	35 U	38 U	36 U	36 U	44 U	44 U
Endrin	ug/Kg	37 U	36 U	38 U	35 U	38 U	36 U	36 U	44 U	44 U
Endosulfan II	ug/Kg	37 U	36 U	38 U	35 U	38 U	36 U	36 U	44 U	44 U
4,4'-DDD	ug/Kg	37 U	36 U	38 U	35 U	38 U	36 U	36 U	44 U	44 U
Endosulfan sulfate	ug/Kg	37 U	36 U	38 U	35 U	38 U	36 U	36 U	44 U	44 U
4,4'-DDT	ug/Kg	37 U	36 U	38 U	35 U	38 U	36 U	36 U	44 U	44 U
Methoxychlor	ug/Kg	190 U	180 U	190 U	170 U	190 U	180 U	180 U	220 U	220 U
Endrin ketone	ug/Kg	37 U	36 U	38 U	35 U	38 U	36 U	36 U	44 U	44 U
alpha-Chlordane	ug/Kg	190 U	180 U	190 U	170 U	190 U	180 U	180 U	220 U	220 U
gamma-Chlordane	ug/Kg	190 U	180 U	190 U	170 U	190 U	180 U	180 U	220 U	220 U
Toxaphene	ug/Kg	370 U	360 U	380 U	350 U	380 U	360 U	360 U	440 U	440 U
Aroclor-1018	ug/Kg	190 U	180 U	190 U	170 U	190 U	180 U	180 U	220 U	220 U
Aroclor-1221	ug/Kg	190 U	180 U	190 U	170 U	190 U	180 U	180 U	220 U	220 U
Aroclor-1232	ug/Kg	190 U	180 U	190 U	170 U	190 U	180 U	180 U	220 U	220 U
Aroclor-1242	ug/Kg	190 U	180 U	190 U	170 U	190 U	180 U	180 U	220 U	220 U
Aroclor-1246	ug/Kg	190 U	180 U	190 U	170 U	190 U	180 U	180 U	220 U	220 U
Aroclor-1254	ug/Kg	370 U	360 U	380 U	350 U	380 U	360 U	360 U	440 U	440 U
Aroclor-1260	ug/Kg	370 U	360 U	380 U	350 U	380 U	360 U	360 U	440 U	440 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B24-91	B24-91	B25-91	B25-91	B25-91	B25-91	B27-91	B27-91	B28-91
	DEPTH	2-4	4-6	0-2	2-4	4-6	0-2	0-2	2-4	0-2
	DATE	12/03/91	12/03/91	12/03/91	12/03/91	12/03/91	12/03/91	12/04/91	12/04/91	12/04/91
	MAIN ID	S1203-80 (3)	S1203-81 (3)	S1203-82	S1203-83	S1203-84	S1203-84	S1204-88 (2,3)	S1204-87 (3)	S1204-88(3)
	LAB ID	150023	150024	150025	150026	150027	150027	150235	150236	150237
	UNITS									
alpha-BHC	ug/Kg	17 U	17 U	21 U	18 U	17 U	20 U	19 U	17 U	17 U
beta-BHC	ug/Kg	17 U	17 U	21 U	18 U	17 U	20 U	19 U	17 U	17 U
delta-BHC	ug/Kg	17 U	17 U	21 U	18 U	17 U	20 U	19 U	17 U	17 U
gamma-BHC (Lindane)	ug/Kg	17 U	17 U	21 U	18 U	17 U	20 U	19 U	17 U	17 U
Heptachlor	ug/Kg	17 U	17 U	21 U	18 U	17 U	20 U	19 U	17 U	17 U
Aldrin	ug/Kg	17 U	17 U	21 U	18 U	17 U	20 U	19 U	17 U	17 U
Heptachlor epoxide	ug/Kg	17 U	17 U	21 U	18 U	17 U	20 U	19 U	17 U	17 U
Endosulfan I	ug/Kg	17 U	17 U	21 U	18 U	17 U	20 U	19 U	17 U	17 U
Dieldrin	ug/Kg	34 U	34 U	43 U	36 U	34 U	41 U	36 U	35 U	35 U
4,4'-DDE	ug/Kg	34 U	34 U	43 U	36 U	34 U	41 U	36 U	35 U	35 U
Endrin	ug/Kg	34 U	34 U	43 U	36 U	34 U	41 U	36 U	35 U	35 U
Endosulfan II	ug/Kg	34 U	34 U	43 U	36 U	34 U	41 U	36 U	35 U	35 U
4,4'-DDD	ug/Kg	34 U	34 U	43 U	36 U	34 U	41 U	36 U	35 U	35 U
Endosulfan sulfate	ug/Kg	34 U	34 U	43 U	36 U	34 U	41 U	36 U	35 U	35 U
4,4'-DDT	ug/Kg	34 U	34 U	43 U	36 U	34 U	41 U	36 U	35 U	35 U
Methoxychlor	ug/Kg	170 U	170 U	210 U	180 U	170 U	200 U	190 U	170 U	170 U
Endrin ketone	ug/Kg	34 U	34 U	43 U	36 U	34 U	41 U	36 U	35 U	35 U
alpha-Chlordane	ug/Kg	170 U	170 U	210 U	180 U	170 U	200 U	190 U	170 U	170 U
gamma-Chlordane	ug/Kg	170 U	170 U	210 U	180 U	170 U	200 U	190 U	170 U	170 U
Toxaphene	ug/Kg	340 U	340 U	430 U	360 U	340 U	410 U	380 U	360 U	360 U
Aroclor-1018	ug/Kg	170 U	170 U	210 U	180 U	170 U	200 U	190 U	170 U	170 U
Aroclor-1221	ug/Kg	170 U	170 U	210 U	180 U	170 U	200 U	190 U	170 U	170 U
Aroclor-1232	ug/Kg	170 U	170 U	210 U	180 U	170 U	200 U	190 U	170 U	170 U
Aroclor-1242	ug/Kg	170 U	170 U	210 U	180 U	170 U	200 U	190 U	170 U	170 U
Aroclor-1246	ug/Kg	170 U	170 U	210 U	180 U	170 U	200 U	190 U	170 U	170 U
Aroclor-1254	ug/Kg	340 U	340 U	430 U	360 U	340 U	410 U	380 U	360 U	360 U
Aroclor-1260	ug/Kg	340 U	340 U	430 U	360 U	340 U	410 U	380 U	360 U	360 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B28-91	B28-91	B28-91	B28-91	B28-91	B28-91	B28-91	B28-91	B28-91
	DEPTH	2-4	2-4	2-4	2-4	4-6	4-6	0-2	0-2	0-2
	DATE	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91
	MAIN ID	S1204-89	S1204-89A(1)	S1204-89ARE(4)	S1204-90	S1204-90FE(4)	S1204-91	S1204-91A(1)	S1204-91ARE(1)	S1204-91ARE(1)
	LAB ID	150238	150240	150240	150241	150241	150242	150243	150243	150243
	UNITS									
alpha-BHC	ug/Kg	18 U	19 U	19 U	18 U	18 U	19 U	19 U	19 U	19 U
beta-BHC	ug/Kg	18 U	19 U	19 U	18 U	18 U	19 U	19 U	19 U	19 U
delta-BHC	ug/Kg	18 U	19 U	19 U	18 U	18 U	19 U	19 U	19 U	19 U
gamma-BHC (Lindene)	ug/Kg	18 U	19 U	19 U	18 U	18 U	19 U	19 U	19 U	19 U
Heptachlor	ug/Kg	18 U	19 U	19 U	18 U	18 U	19 U	19 U	19 U	19 U
Aldrin	ug/Kg	18 U	19 U	19 U	18 U	18 U	19 U	19 U	19 U	19 U
Heptachlor epoxide	ug/Kg	18 U	19 U	19 U	18 U	18 U	19 U	19 U	19 U	19 U
Endosulfan I	ug/Kg	18 U	19 U	19 U	18 U	18 U	19 U	19 U	19 U	19 U
Dieldrin	ug/Kg	37 U	37 U	37 U	35 U	35 U	38 U	38 U	38 U	38 U
4,4'-DDE	ug/Kg	37 U	37 U	37 U	35 U	35 U	38 U	38 U	38 U	38 U
Endrin	ug/Kg	37 U	37 U	37 U	35 U	35 U	38 U	38 U	38 U	38 U
Endosulfan II	ug/Kg	37 U	37 U	37 U	35 U	35 U	38 U	38 U	38 U	38 U
4,4'-DDD	ug/Kg	37 U	37 U	37 U	35 U	35 U	38 U	38 U	38 U	38 U
Endosulfan sulfate	ug/Kg	37 U	37 U	37 U	35 U	35 U	38 U	38 U	38 U	38 U
4,4'-DDT	ug/Kg	37 U	37 U	37 U	35 U	35 U	38 U	38 U	38 U	38 U
Methoxychlor	ug/Kg	180 U	190 U	190 U	180 U	180 U	190 U	190 U	190 U	190 U
Endrin ketone	ug/Kg	37 U	37 U	37 U	35 U	35 U	38 U	38 U	38 U	38 U
alpha-Chlordane	ug/Kg	180 U	190 U	190 U	180 U	180 U	190 U	190 U	190 U	190 U
gamma-Chlordane	ug/Kg	180 U	190 U	190 U	180 U	180 U	190 U	190 U	190 U	190 U
Toxaphene	ug/Kg	370 U	370 U	370 U	350 U	350 U	380 U	380 U	380 U	380 U
Aroclor-1018	ug/Kg	180 U	190 U	190 U	180 U	180 U	190 U	190 U	190 U	190 U
Aroclor-1221	ug/Kg	180 U	190 U	190 U	180 U	180 U	190 U	190 U	190 U	190 U
Aroclor-1232	ug/Kg	180 U	190 U	190 U	180 U	180 U	190 U	190 U	190 U	190 U
Aroclor-1242	ug/Kg	180 U	190 U	190 U	180 U	180 U	190 U	190 U	190 U	190 U
Aroclor-1248	ug/Kg	180 U	190 U	190 U	180 U	180 U	190 U	190 U	190 U	190 U
Aroclor-1254	ug/Kg	370 U	370 U	370 U	350 U	350 U	380 U	380 U	380 U	380 U
Aroclor-1260	ug/Kg	370 U	370 U	370 U	360	230 Y	380 U	380 U	380 U	380 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B29-01	B29-01	B29-01	B29-01	B29-01	B29-01	B29-01	B30-01
	DEPTH	0-2	2-4	2-4	4-6	4-6	4-6	4-6	0-2
	DATE	12/04/01	12/04/01	12/04/01	12/04/01	12/04/01	12/04/01	12/04/01	12/04/01
	MAIN ID	S1204-01RE(4)	S1204-02	S1204-02RE(4)	S1204-03	S1204-03A(1)	S1204-03ARE(1,4)	S1204-03RE(4)	S1204-04
	LAB ID	150242	150244	150244	150245	150246	150246	150245	150247
	UNITS								
alpha-BHC	ug/Kg	19 U	18 U	18 U	18 U	18 U	18 U	18 U	19 U
beta-BHC	ug/Kg	19 U	18 U	18 U	18 U	18 U	18 U	18 U	19 U
delta-BHC	ug/Kg	19 U	18 U	18 U	18 U	18 U	18 U	18 U	19 U
gamma-BHC (Lindane)	ug/Kg	19 U	18 U	18 U	18 U	18 U	18 U	18 U	19 U
Heptachlor	ug/Kg	19 U	18 U	18 U	18 U	18 U	18 U	18 U	19 U
Aldrin	ug/Kg	19 U	18 U	18 U	18 U	18 U	18 U	18 U	19 U
Heptachlor epoxide	ug/Kg	19 U	18 U	18 U	18 U	18 U	18 U	18 U	19 U
Endosulfan I	ug/Kg	19 U	18 U	18 U	18 U	18 U	18 U	18 U	19 U
Dieldrin	ug/Kg	39 U	35 U	36 U	35 U	36 U	35 U	36 U	39 U
4,4'-DDE	ug/Kg	39 U	35 U	36 U	35 U	36 U	35 U	36 U	39 U
Endrin	ug/Kg	39 U	35 U	36 U	35 U	36 U	35 U	36 U	39 U
Endosulfan II	ug/Kg	39 U	35 U	36 U	35 U	36 U	35 U	36 U	39 U
4,4'-DDD	ug/Kg	39 U	35 U	36 U	35 U	36 U	35 U	36 U	39 U
Endosulfan sulfate	ug/Kg	39 U	35 U	36 U	35 U	36 U	35 U	36 U	39 U
4,4'-DDT	ug/Kg	39 U	35 U	36 U	35 U	36 U	35 U	36 U	39 U
Methoxychlor	ug/Kg	190 U	180 U	180 U	180 U	180 U	180 U	180 U	190 U
Endrin ketone	ug/Kg	39 U	35 U	36 U	35 U	36 U	35 U	36 U	39 U
alpha-Chlordane	ug/Kg	190 U	180 U	180 U	180 U	180 U	180 U	180 U	190 U
gamma-Chlordane	ug/Kg	190 U	180 U	180 U	180 U	180 U	180 U	180 U	190 U
Toxaphene	ug/Kg	390 U	350 U	360 U	350 U	360 U	350 U	360 U	390 U
Aroclor-1016	ug/Kg	190 U	180 U	180 U	180 U	180 U	180 U	180 U	190 U
Aroclor-1221	ug/Kg	190 U	180 U	180 U	180 U	180 U	180 U	180 U	190 U
Aroclor-1232	ug/Kg	190 U	180 U	180 U	180 U	180 U	180 U	180 U	190 U
Aroclor-1242	ug/Kg	190 U	180 U	180 U	180 U	180 U	180 U	180 U	190 U
Aroclor-1248	ug/Kg	190 U	180 U	180 U	180 U	180 U	180 U	180 U	190 U
Aroclor-1254	ug/Kg	390 U	350 U	360 U	350 U	360 U	350 U	360 U	390 U
Aroclor-1260	ug/Kg	390 U	350 U	360 U	350 U	360 U	350 U	360 U	390 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B30-01	B30-01	B30-01	B30-01	B30-01	B30-01	B30-01	B30-01
	DEPTH	0-2	0-2	0-2	2-4	2-4	4-6	4-6	4-6
	DATE	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91
	MAIN ID	S1204-04A(1)	S1204-04ARE(1,4)	S1204-04FE(4)	S1204-05	S1204-05FE(4)	S1204-08	S1204-08A(1)	S1204-08ARE(1,4)
	LAB ID	150248	150248	150247	150249	150249	150250	150251	150251
	UNITS								
alpha-BHC	ug/Kg	18 U	19 U	19 U	17 U	18 U	18 U	17 U	17 U
beta-BHC	ug/Kg	18 U	19 U	19 U	17 U	18 U	18 U	17 U	17 U
delta-BHC	ug/Kg	18 U	19 U	19 U	17 U	18 U	18 U	17 U	17 U
gamma-BHC (Lindane)	ug/Kg	18 U	19 U	19 U	17 U	18 U	18 U	17 U	17 U
Heptachlor	ug/Kg	18 U	19 U	19 U	17 U	18 U	18 U	17 U	17 U
Aldrin	ug/Kg	18 U	19 U	19 U	17 U	18 U	18 U	17 U	17 U
Heptachlor epoxide	ug/Kg	18 U	19 U	19 U	17 U	18 U	18 U	17 U	17 U
Endosulfan I	ug/Kg	18 U	19 U	19 U	17 U	18 U	18 U	17 U	17 U
Dieldrin	ug/Kg	37 U	38 U	38 U	35 U	35 U	38 U	35 U	34 U
4,4'-DDE	ug/Kg	37 U	38 U	38 U	35 U	35 U	38 U	35 U	34 U
Endrin	ug/Kg	37 U	38 U	38 U	35 U	35 U	38 U	35 U	34 U
Endosulfan II	ug/Kg	37 U	38 U	38 U	35 U	35 U	38 U	35 U	34 U
4,4'-DDD	ug/Kg	37 U	38 U	38 U	35 U	35 U	38 U	35 U	34 U
Endosulfan sulfate	ug/Kg	37 U	38 U	38 U	35 U	35 U	38 U	35 U	34 U
4,4'-DDT	ug/Kg	37 U	38 U	38 U	35 U	35 U	38 U	35 U	34 U
Methoxychlor	ug/Kg	180 U	190 U	190 U	170 U	180 U	180 U	170 U	170 U
Endrin ketone	ug/Kg	37 U	38 U	38 U	35 U	35 U	38 U	35 U	34 U
alpha-Chlordane	ug/Kg	180 U	190 U	190 U	170 U	180 U	180 U	170 U	170 U
gamma-Chlordane	ug/Kg	180 U	190 U	190 U	170 U	180 U	180 U	170 U	170 U
Toxaphene	ug/Kg	370 U	380 U	380 U	350 U	350 U	380 U	350 U	340 U
Aroclor-1016	ug/Kg	180 U	190 U	190 U	170 U	180 U	180 U	170 U	170 U
Aroclor-1221	ug/Kg	180 U	190 U	190 U	170 U	180 U	180 U	170 U	170 U
Aroclor-1232	ug/Kg	180 U	190 U	190 U	170 U	180 U	180 U	170 U	170 U
Aroclor-1242	ug/Kg	180 U	190 U	190 U	170 U	180 U	200	180 Y	170 U
Aroclor-1248	ug/Kg	180 U	190 U	190 U	170 U	180 U	180 U	170 U	170 U
Aroclor-1254	ug/Kg	370 U	380 U	380 U	350 U	350 U	380 U	350 U	340 U
Aroclor-1280	ug/Kg	370 U	380 U	380 U	580	770	370	270 Y	280 Y

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B30-91	B31-91	B31-91	B31-91	B31-91	B31-91	B31-91	B31-91
	DEPTH	4-8	0-2	0-2	0-2	0-2	2-4	2-4	4-8
	DATE	12/04/91	12/05/91	12/05/91	12/05/91	12/05/91	12/05/91	12/05/91	12/05/91
	MAIN ID	S1204-88RE(4)	S1205-97	S1205-97A(1)	S1205-97ARE(1,4)	S1205-97RE(4)	S1205-98 (3)	S1205-98RE(3,4)	S1205-99
	LAB ID	150250	150252	150253	150253	150252	150254	150254	150255
	UNITS								
alpha-BHC	ug/Kg	17 U	20 U	19 U	19 U	19 U	19 U	19 U	17 U
beta-BHC	ug/Kg	17 U	20 U	19 U	19 U	19 U	19 U	19 U	17 U
delta-BHC	ug/Kg	17 U	20 U	19 U	19 U	19 U	19 U	19 U	17 U
gamma-BHC (Lindane)	ug/Kg	17 U	20 U	19 U	19 U	19 U	19 U	19 U	17 U
Heptachlor	ug/Kg	17 U	20 U	19 U	19 U	19 U	19 U	19 U	17 U
Aldrin	ug/Kg	17 U	20 U	19 U	19 U	19 U	19 U	19 U	17 U
Heptachlor epoxide	ug/Kg	17 U	20 U	19 U	19 U	19 U	19 U	19 U	17 U
Endosulfan I	ug/Kg	17 U	20 U	19 U	19 U	19 U	19 U	19 U	17 U
Dieldrin	ug/Kg	35 U	39 U	38 U	38 U	39 U	38 U	38 U	35 U
4,4'-DDE	ug/Kg	35 U	39 U	41	43	43	57	71	35 U
Endrin	ug/Kg	35 U	39 U	38 U	38 U	39 U	38 U	38 U	35 U
Endosulfan II	ug/Kg	35 U	39 U	38 U	38 U	39 U	38 U	38 U	35 U
4,4'-DDD	ug/Kg	38	39 U	38 U	38 U	39 U	38 U	38 U	35 U
Endosulfan sulfate	ug/Kg	35 U	39 U	38 U	38 U	39 U	38 U	38 U	35 U
4,4'-DDT	ug/Kg	35 U	38 Y	43	72	100	38 U	38 U	35 U
Methoxychlor	ug/Kg	170 U	200 U	190 U	190 U	190 U	190 U	190 U	170 U
Endrin ketone	ug/Kg	35 U	39 U	38 U	38 U	39 U	38 U	38 U	35 U
alpha-Chlordane	ug/Kg	170 U	200 U	190 U	190 U	190 U	190 U	190 U	170 U
gamma-Chlordane	ug/Kg	170 U	200 U	190 U	190 U	190 U	190 U	190 U	170 U
Toxaphene	ug/Kg	350 U	390 U	390 U	390 U	390 U	390 U	390 U	350 U
Aroclor-1016	ug/Kg	170 U	200 U	190 U	190 U	190 U	190 U	190 U	170 U
Aroclor-1221	ug/Kg	170 U	200 U	190 U	190 U	190 U	190 U	190 U	170 U
Aroclor-1232	ug/Kg	170 U	200 U	190 U	190 U	190 U	190 U	190 U	170 U
Aroclor-1242	ug/Kg	170 U	400	220	190 U	190 U	1000	190 U	570
Aroclor-1246	ug/Kg	170 U	200 U	190 U	190 U	190 U	190 U	190 U	170 U
Aroclor-1254	ug/Kg	350 U	390 U	390 U	390 U	390 U	390 U	390 U	350 U
Aroclor-1260	ug/Kg	490	390 U	390 U	390 U	390 U	390 U	390 U	350 U

**ASH LANDFILL
SOIL PESTICIDE AND PCB ANALYSIS RESULTS**

	MATRIX	SOIL	SOIL	SOIL
	LOCATION	B31-01	B31-01	B31-01
	DEPTH	4-8	6-8	6-8
	DATE	12/05/91	12/05/91	12/05/91
	MAIN ID	S1205-99RE(4)	S1205-100(2)	S1205-100RE(4)
	LAB ID	150255	150256	150256
COMPOUND	UNITS			
alpha-BHC	ug/Kg	17 U	20 U	20 U
beta-BHC	ug/Kg	17 U	20 U	20 U
delta-BHC	ug/Kg	17 U	20 U	20 U
gamma-BHC (Lindane)	ug/Kg	17 U	20 U	20 U
Heptachlor	ug/Kg	17 U	20 U	20 U
Aldrin	ug/Kg	17 U	20 U	20 U
Heptachlor epoxide	ug/Kg	17 U	20 U	20 U
Endosulfan I	ug/Kg	17 U	20 U	20 U
Dieldrin	ug/Kg	35 U	40 U	40 U
4,4'-DDE	ug/Kg	35 U	40 U	40 U
Endrin	ug/Kg	35 U	40 U	40 U
Endosulfan II	ug/Kg	35 U	40 U	40 U
4,4'-DDD	ug/Kg	35 U	40 U	40 U
Endosulfan sulfate	ug/Kg	35 U	40 U	40 U
4,4'-DDT	ug/Kg	35 U	40 U	40 U
Methoxychlor	ug/Kg	170 U	200 U	200 U
Endrin ketone	ug/Kg	35 U	40 U	40 U
alpha-Chlordane	ug/Kg	170 U	200 U	200 U
gamma-Chlordane	ug/Kg	170 U	200 U	200 U
Toxaphene	ug/Kg	350 U	400 U	400 U
Aroclor-1016	ug/Kg	170 U	200 U	200 U
Aroclor-1221	ug/Kg	170 U	200 U	200 U
Aroclor-1232	ug/Kg	170 U	200 U	200 U
Aroclor-1242	ug/Kg	170 U	450	200 U
Aroclor-1248	ug/Kg	170 U	200 U	200 U
Aroclor-1254	ug/Kg	350 U	400 U	400 U
Aroclor-1260	ug/Kg	350 U	400 U	400 U

**ASH LANDFILL
SOIL INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B1-91	B1-91	B1-91	B2-91	B2-91	B2-91	B3-91	B3-91
	DEPTH	0-2	2-4	4-6	0-2	2-4	6-8	0-2	4-6
	DATE	10/30/91	10/30/91	10/30/91	10/31/91	10/31/91	10/31/91	10/31/91	10/31/91
	MAIN ID	S1030-1	S1030-2	S1030-3	S1031-4	S1031-5	S1031-6	S1031-8	S1031-10
	LAB ID	147824	147825	147826	147827	147828	147829	147831	147833
	UNITS								
Aluminum	mg/kg	17800	17800	13200	15800	17400	18100	11700	15100
Antimony	mg/kg	10 U	9.5 U	8 U	11.1 U	7.9 U	6.1 U	78.3	6.5 U
Arsenic	mg/kg	6.1	4.4	3.7	4.9	4.1	4	66.3	3.8
Barium	mg/kg	102	64.8	42.2	58	72.3	58.7	1010	56.9
Beryllium	mg/kg	0.9 B	0.93	0.67 B	0.84 B	0.79	0.83	0.78 U	0.69
Cadmium	mg/kg	2.4	2.8	1.9	2.3	2.3	2.9	43.1	2.2
Calcium	mg/kg	22900	55200	71000	31500	32500	22300	15800	65800
Chromium	mg/kg	27.8	27.5	22	26.1	27.8	28.4	57.9	22.5
Cobalt	mg/kg	12.7	11.7	11.9	12.1	11.3	14.6	13.6	11
Copper	mg/kg	36.3	21.9	13.9	33.1	24.7	18.9	836	14.8
Iron	mg/kg	37500	34400	27800	35000	32900	36500	55600	30000
Lead	mg/kg	26.7	7.5	6.9	52.4	23	11.9	1630	8.4
Magnesium	mg/kg	6870	7690	6900	7510	8440	8130	3930	8120
Manganese	mg/kg	746	943	802	403	673	505	615	547
Mercury	mg/kg	0.06 B	0.04 U	0.04 U	0.04 B	0.06 B	0.04 U	0.86	0.04 U
Nickel	mg/kg	44.6	42.4	33.3	43.1	40.3	46.9	65.4	34.5
Potassium	mg/kg	2420	1810	1410	1950	2280	2150	1380	1490
Selenium	mg/kg	0.93 U	0.59 U	0.9 U	0.21 U	0.17 U	0.18 U	1.1 U	0.17 U
Silver	mg/kg	1.5 U	1.4 U	1.2 U	1.7 U	1.2 U	1.2 U	1.8 U	0.98 U
Sodium	mg/kg	424 B	72.6 U	151 B	84.9 U	60.4 U	62.2 U	143 B	79.1 B
Thallium	mg/kg	0.52 U	0.33 U	0.5 U	0.6 U	0.46 U	0.5 U	0.59 U	0.47 U
Vanadium	mg/kg	23.9	22.8	15.8	17.8	22.1	20.3	18.1	17.6
Zinc	mg/kg	104	77.6	60.2	58.6	85.5	88.1	55700	213
Cyanide	mg/kg	0.6 U	0.6 U	0.59 U	0.62 U	0.67 U	0.66 U	1.6	0.66 U

**ASH LANDFILL
SOIL INORGANICS ANALYSIS RESULTS**

	MATRX LOCATION	SOIL B4-91	SOIL B4-91	SOIL B4-91	SOIL B5-91	SOIL B5-91	SOIL B5-91	SOIL B5-91	SOIL B6-91	SOIL B6-91
	DEPTH	0-2	2-4	4-8	0-2	2-4	4-8	0-2	0-2	2-4
	DATE	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91	11/04/91	11/04/91
	MAIN ID	S1101-12	S1101-13	S1101-14	S1101-15	S1101-16	S1101-17	S1104-19	S1104-19	S1104-20
	LAB ID	147885	147886	147887	147888	147889	147890	148021	148021	148022
ANALYTE	UNITS									
Aluminum	mg/kg	16400	11500	16100	8610	14000	14900	20600	22500	
Antimony	mg/kg	18.3	8.3 B	10.4 U	12 U	8.5 U	8.7 U	7.7 U	11.2 B	
Arsenic	mg/kg	11.4	5.6	6.5	17.3	5.1	5.3	6.7	8.1	
Barium	mg/kg	455	62.9	58.5	399	61.3	78.7	123	108	
Beryllium	mg/kg	0.75 U	0.59 B	0.67 B	0.79 U	0.7 B	0.82	1.2	1.4	
Cadmium	mg/kg	7.9	1.7	2.4	10.4	2	2.4	2.5	2.7	
Calcium	mg/kg	27500	134000	42200	104000	89100	29700	2710	9730	
Chromium	mg/kg	62	18.6	24.2	57	20.2	21.6	27.9	31.5	
Cobalt	mg/kg	15.7	8.2	14.5	10.9 B	12.5	17.3	14.5	18.7	
Copper	mg/kg	311	19.6	21.5	496	26.5	27.7	33.7	33.5	
Iron	mg/kg	83800	23200	37200	81400	30900	642000	31000	37900	
Lead	mg/kg	2690	10.1	10.5	1750	248	16.2	12	10.8	
Magnesium	mg/kg	6990	13100	9050	4090	8450	5460	5380	8610	
Manganese	mg/kg	806	485	549	964	796	1000	917	739	
Mercury	mg/kg	1.1	0.04 U	0.04 B	1	0.07 B	0.06 B	0.05 B	0.06 B	
Nickel	mg/kg	67.2	26.1	39	74.8	32	39.8	37.4	50.4	
Potassium	mg/kg	2350	1720	1740	1380	1750	1780	2080	3030	
Selenium	mg/kg	0.19 U	0.7 U	0.2 U	0.25 U	0.17 U	0.91 U	0.18 B	0.13 U	
Silver	mg/kg	2.8	1.1 U	1.8 U	1.8 U	1.3 U	1.3 U	1.2 U	1.7 U	
Sodium	mg/kg	285 B	83 B	79.6 U	196 B	65.4 U	66.2 U	58.9 U	65.5 U	
Thallium	mg/kg	0.54 U	0.39 U	0.57 U	0.7 U	0.47 U	0.51 U	0.43 U	0.37 U	
Vanadium	mg/kg	24.9	15.3	18.1	14.5	20.2	20.1	32.7	31.3	
Zinc	mg/kg	3050	74.4	92.7	27600	513	841	69.6	106	
Cyanide	mg/kg	0.69 U	0.63 U	0.6 U	0.61 U	0.84 U	0.68 U	0.68 U	0.68 U	

**ASH LANDFILL
SOIL INORGANICS ANALYSIS RESULTS**

MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
LOCATION	B7-81	B7-81	B8-91	B8-91	B8-91	B8-91	B8-91	B9-91	B9-91
DEPTH	0-2	10-12	0-2	0-2	2-4	2-4	6-8	0-2	2-4
DATE	11/04/91	11/04/91	11/05/91	11/05/91	11/05/91	11/05/91	11/05/91	11/05/91	11/05/91
MAIN ID	S1104-21	S1104-23	S1105-24	S1105-25	S1105-26(1)	S1105-27	S1105-28	S1105-29	S1105-29
LAB ID	148023	148025	148026	148027	148028	148029	148030	148031	148031
ANALYTE	UNITS								
Aluminum	mg/kg	15200	21600	19200	20500	17700	12700	14800	8880
Antimony	mg/kg	11.8 U	10.8 U	10.3 U	6.6 U	8.2 U	8.4 U	9.9 U	9.9 U
Arsenic	mg/kg	7.1	6.1	5.1	6.1	6	4.2	4.3	3.8
Barium	mg/kg	181	119	138	96.9	86.7	56.2	101	110
Beryllium	mg/kg	1.2	1.4	1.4	1.2	1	0.78 B	1.1	0.76
Cadmium	mg/kg	3.2	3.1	2.6	2.9	2.4	1.9	2.3	1.7 B
Calcium	mg/kg	47000	4760	5390	4870	3560	85900	45600	104000
Chromium	mg/kg	33.7	29.3	27.4	30.1	26.9	19.8	22.5	13.8
Cobalt	mg/kg	12.9	17.3	13.6	18.4	14	14.2	13.7	10.7
Copper	mg/kg	46.4	23.9	22.3	27.6	26	18.2	22.6	21.6
Iron	mg/kg	34100	38500	37200	36100	32500	27400	31000	19800
Lead	mg/kg	65.9	14.3	14.5	11.4	13.6	10.1	10.8	10.1
Magnesium	mg/kg	9900	5620	5850	7300	6490	6720	8860	17000
Manganese	mg/kg	688	1240	1130	956	832	926	903	532
Mercury	mg/kg	0.29	0.09 B	0.09	0.06 B	0.06 B	0.05 B	0.06 B	0.04 B
Nickel	mg/kg	43	33.9	42.3	48.7	44.4	30.4	38.4	23.8
Potassium	mg/kg	2300	2270	1910	2110	1760	1430	1320	1080
Selenium	mg/kg	0.18 U	0.22 U	0.17 U	0.21 U	0.2 U	0.61 U	0.21 U	0.65 U
Silver	mg/kg	2.2	2.2	1.8 U	1.3 U	1.2 U	1.3 U	1.5 U	1.5 U
Sodium	mg/kg	127 B	83.6 B	79.2 U	67.5 U	62.6 U	75.3 B	64.2 B	112 B
Thallium	mg/kg	0.5 U	0.61 U	0.47 U	0.58 U	0.57 U	0.34 U	0.59 U	0.36 U
Vanadium	mg/kg	36.8	29.2	32.2	25.4	26.4	15.7	19.7	19.5
Zinc	mg/kg	252	94.9	85.1	94.2	85	75	126	84.3
Cyanide	mg/kg	0.67 U	0.77 U	0.8 U	0.63 U	0.67 U	0.58 U	0.7 U	0.63 U

**ASH LANDFILL
SOIL INORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL B9-91	SOIL B10-91	SOIL B10-91	SOIL B10-91	SOIL B10-91	SOIL B10-91	SOIL B11-91	SOIL B11-91
	DEPTH	6-8	0-2	2-4	2-4	6-8	0-2	2-4	6-8
	DATE	11/05/91	11/06/91	11/06/91	11/06/91	11/06/91	11/06/91	11/06/91	11/06/91
	MAIN ID	S1105-30	S1106-31	S1106-32	S1106-33(1)	S1106-34	S1106-36	S1106-37	S1106-38
	LAB ID	148032	148457	148458	148459	148460	148462	148463	148464
ANALYTE	UNITS								
Aluminum	mg/kg	7160	16600	17300	15100	18800	19000	15800	19600
Antimony	mg/kg	7 U	8 U	6.4 U	10.3 U	10.2 B	12.3 U	10.9 U	8 U
Arsenic	mg/kg	4.4	9.6	9.7	6.1	4.9	11.4	6	5
Barium	mg/kg	39.9	170	145	83	56.9	190	82.8	73.6
Beryllium	mg/kg	0.52 B	0.67 B	0.94	0.85 B	1	1.1 B	1.1	0.93
Cadmium	mg/kg	1.5	5.6	3.1	2.8	2.9	4.2	2.8	2.5
Calcium	mg/kg	101000	48500	53600	43900	31000	6440	25400	28800
Chromium	mg/kg	11.2	38.5	30.4	26.5	28.3	39.3	21.8	29.9
Cobalt	mg/kg	6.1	14.7	13.8	10.7	15.8	13.4	12.4	13
Copper	mg/kg	19.3	105	56.9	41.2	25.6	109	29.2	34.4
Iron	mg/kg	17300	71100	32200	34900	35400	129000	33000	31500
Lead	mg/kg	7.8	191	83.1	54.8	14.1	244	13.3	41.3
Magnesium	mg/kg	12600	13300	16900	12000	8150	5390	5170	7480
Manganese	mg/kg	514	670	732	632	953	975	1050	602
Mercury	mg/kg	0.05 B	0.24	0.33	0.47	0.05 B	0.48	0.11	0.09
Nickel	mg/kg	19	43.3	42.2	40.6	44.5	40.6	30.4	41.2
Potassium	mg/kg	1050	1730	2380	2150	2180	2930	19000	2270
Selenium	mg/kg	0.21 U	0.17 U	0.13 U	0.16 U	0.16 U	0.18 U	0.18 U	0.18 U
Silver	mg/kg	1.1 U	1.6	5.6	4.3	1.5 U	1.8 U	1.6 U	1.2 U
Sodium	mg/kg	116 B	708 B	707 B	466 B	115 B	94 U	83.1 U	91.9 B
Thallium	mg/kg	0.6 U	4.7 U	0.36 U	0.46 U	0.44 U	0.49 U	0.5 U	0.51 U
Vanadium	mg/kg	12.9	22.1	28.6	21.6	26	29.6	20	21.7
Zinc	mg/kg	74.6	1940 U	554	537	114	1080	121	240
Cyanide	mg/kg	0.62 U	0.66	0.64 U	0.68 U	0.65 U	0.71 U	0.64 U	0.62 U

**ASH LANDFILL
SOIL INORGANICS ANALYSIS RESULTS**

	MATRX LOCATION	SOIL B12-91	SOIL B12-91	SOIL B13-91	SOIL B13-91	SOIL B13-91	SOIL B14-91	SOIL B14-91	SOIL B14-91
	DEPTH	0-2	2-4	0-2	2-4	6-8	0-2	2-4	2-4
	DATE	11/07/91	11/07/91	11/07/91	11/07/91	11/07/91	11/08/91	11/08/91	11/08/91
	MAIN ID	S1107-39	S1107-40	S1107-42	S1107-43	S1107-44	S1108-45	S1108-46	S1108-47(1)
	LAB ID	148704	148705	148707	148708	148709	148710	148711	148712
ANALYTE	UNITS								
Aluminum	mg/kg	17500	14200	19900	14400	18200	12600	12400	12600
Antimony	mg/kg	10.2 U	10 U	12.5 U	10.8 U	8.4 U	10.6 U	10.6 U	9.3 U
Arsenic	mg/kg	4.8	4.2	5.4	4.7	5.6	5	4	4.6
Barium	mg/kg	91.4	54.5	380	78.3	101	86.1	56.7	64
Beryllium	mg/kg	0.99	0.73 B	1.2	0.77 B	0.88	0.69 U	0.71 B	0.69 B
Cadmium	mg/kg	1.9	3.2	4.7	3.2	4.2	3.4	2.9	2.7
Calcium	mg/kg	9480	53100	11400	61400	26700	49200	87500	93800
Chromium	mg/kg	24.2	21	30.9	22.7	27.7	22.1	19	16.9
Cobalt	mg/kg	11.1	12.2	16.8	10.6	16.3	6.2 B	10.3	8.4 B
Copper	mg/kg	26.9	23	55	25.9	23.4	43	22.3	21.1
Iron	mg/kg	32300	30900	37000	29500	36000	27000	24900	24600
Lead	mg/kg	40.2	6.4	65.6	15.8	11.6	141	11.9	9.3
Magnesium	mg/kg	5570	8410	5740	9940	7670	10300	8500	8280
Manganese	mg/kg	1090	586	2740	572	470	330	520	557
Mercury	mg/kg	0.06 B	0.04 B	0.09 B	0.04 U	0.04 B	0.07 B	0.04 U	0.04 U
Nickel	mg/kg	35.5	34	37.2	36.4	44	20.9	29.3	29
Potassium	mg/kg	2150	1330	2420	2030	1790	1730	1480	1640
Selenium	mg/kg	0.16 U	1 U	0.4 U	1.5 U	0.31 U	0.33 U	1.4 U	1.5 U
Silver	mg/kg	1.6 B	5.4	1.9 U	1.6 U	1.3 U	1.6 U	1.6 U	1.4 U
Sodium	mg/kg	77.9 U	264 B	132 B	140 B	116 B	96.4 B	114 B	116 B
Thallium	mg/kg	0.44 U	0.34 U	0.66 U	0.51 U	0.51 U	5.4 U	4.7 U	4.6 U
Vanadium	mg/kg	26.4	19	31.8	21.6	21.6	22.7	18.1	18.1
Zinc	mg/kg	110	95.3	461	164	118	357	85.7	87.1
Cyanide	mg/kg	0.71 U	0.64 U	0.88 U	0.61 U	0.61 U	0.67 U	0.63 U	0.58 U

**ASH LANDFILL
SOIL INORGANICS ANALYSIS RESULTS**

	MATRX LOCATION	SOIL B14-91	SOIL B15-91	SOIL B15-91	SOIL B15-91	SOIL B15-91	SOIL B15-91	SOIL B18-91	SOIL B16-91	SOIL B16-91
	DEPTH	4-6	0-2	2-4	2-4	6-8	0-2	2-4	2-4	6-8
	DATE	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/12/91	11/12/91	11/12/91	11/12/91
	MAIN ID	S1106-48	S1108-49	S1106-50	S1108-51(1)	S1108-52	S1112-53	S1112-54	S1112-55	S1112-55
	LAB ID	148713	148714	148715	148716	148717	148925	148926	148927	148927
ANALYTE	UNITS									
Aluminum	mg/kg	18100	16100	13900	18100	16600	12700	19800	19300	
Antimony	mg/kg	10.5 U	11 U	10.6	12.1 U	9.3 U	8.5 U	10.9 U	8.4 U	
Arsenic	mg/kg	2.7	4.1	5.5 U	5	3.4	5.1	4.4	3.8	
Barium	mg/kg	55.8	121	75.7	109	49.9	91.1	101	64.8	
Beryllium	mg/kg	0.87 B	0.89 B	0.78 B	1 B	0.81 B	0.78 B	1	0.96	
Cadmium	mg/kg	3.7	3.4	3.2	3.4	3.7	1.8	3.2	2.9	
Calcium	mg/kg	29700	30900	50000	10500	12400	26100	27800	43000	
Chromium	mg/kg	28.2	30.5	22	26.5	26.7	15.9	26.6	27.4	
Cobalt	mg/kg	14.1	14	10.1	13.7	12.6	5.8 B	12.8	13.3	
Copper	mg/kg	15.6	38.6	25.4	28.9	16.9	23.4	23.9	19.1	
Iron	mg/kg	37800	35300	27700	32800	31000	16500	32000	31800	
Lead	mg/kg	5.4	40.7	27	33.1	9.8	39.8	9.5	5.3	
Magnesium	mg/kg	7770	8190	6190	5840	8290	10200	8730	11000	
Manganese	mg/kg	483	476	653	600	467	582	634	574	
Mercury	mg/kg	0.04 U	0.06 B	0.05 B	0.06 B	0.04 U	0.07 B	0.05 B	0.04 U	
Nickel	mg/kg	41	53	37	35.6	41.8	17.5	35.3	38.6	
Potassium	mg/kg	1770	1910	1280	2200	1310	1960	2970	2540	
Selenium	mg/kg	1.6 U	0.31 U	1.4 U	1.5 U	1.6 U	0.39 U	0.24 U	0.35 U	
Silver	mg/kg	1.6 U	1.7 U	1.6 U	1.8 U	1.4 U	1.3 U	1.6 U	1.3 U	
Sodium	mg/kg	118 B	97.3 B	81.1 U	92.4 U	71.4 U	64.9 U	83.6 U	139 B	
Thallium	mg/kg	0.52 U	0.52 U	0.46 U	0.49 U	0.53 U	0.64 U	0.4 U	0.58 U	
Vanadium	mg/kg	21.8	23.3	21	28.6	21	23.8	31	26.4	
Zinc	mg/kg	99	117	123	106	94.4	58.1	83.3	94.6	
Cyanide	mg/kg	0.6 U	0.47 U	0.59 U	0.68 U	0.59 U	0.65 U	0.6 U	0.66 U	

**ASH LANDFILL
SOIL INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B17-91	B17-91	B17-91	B17-91	B18-91	B18-91	B18-91	B18-91	B19-91
	DEPTH	0-2	2-4	4-6	6-6	0-2	2-4	4-6	0-2	0-2
	DATE	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91
	MAIN ID	S1113-56	S1113-57	S1113-58	S1113-59(2)	S1113-60	S1113-61	S1113-62	S1113-63	S1113-63
	LAB ID	148928	148929	148930	148931	148932	148933	148934	148935	148935
	UNITS									
Aluminum	mg/kg	10900	18700	16800	15100	22800	21100	22300	16600	16600
Antimony	mg/kg	12.3 B	10.3 U	6.6 U	10.6 U	8 U	8.6 U	6.7 B	10.6 U	10.6 U
Arsenic	mg/kg	7	5.5	4.6	4.6	5.1	5.6	6.5	5.9	5.9
Barium	mg/kg	82.5	157	73.5	40.1	85.6	59.9	59.7	89.9	89.9
Beryllium	mg/kg	0.74 U	1.1	0.88	0.61 B	1.1	0.95	1	1	1
Cadmium	mg/kg	8.2	3.7	2.9	3	4	4.1	4.2	3.7	3.7
Calcium	mg/kg	74700	20500	13200	58100	6180	3100	30000	3440	3440
Chromium	mg/kg	28.1	31.6	26.5	22.4	30.4	30.5	31.9	26	26
Cobalt	mg/kg	11.2	13.1	10.6	11.3	16	15.7	18.3	11	11
Copper	mg/kg	52.1	48.7	20.2	12.9	24.6	15.6	18.4	22.5	22.5
Iron	mg/kg	86400	34600	30200	26700	34500	36700	37800	33300	33300
Lead	mg/kg	40.1	106	12.8	5.2	8.9	4.6	4.9	13.7	13.7
Magnesium	mg/kg	24900	9340	8270	6750	6440	7790	8260	5460	5460
Manganese	mg/kg	602	1090	400	677	666	522	615	517	517
Mercury	mg/kg	0.06 B	0.11	0.05 U	0.04 U	0.06 B	0.04 U	0.04 U	0.05 B	0.05 B
Nickel	mg/kg	39.7	37.2	39.2	33.7	41.6	46.5	46.5	37.3	37.3
Potassium	mg/kg	1610	2750	1610	1630	2670	1850	2450	1240	1240
Selenium	mg/kg	0.32 U	0.34 U	0.26 U	0.31 U	0.29 U	0.32 U	0.27 U	0.29 U	0.29 U
Silver	mg/kg	1.7 U	1.5 U	0.99 U	1.6 U	1.2 U	1.3 U	1.2 U	1.6 U	1.6 U
Sodium	mg/kg	99.3 B	78.9 U	50.7 U	242 B	105 B	99.9 B	176 B	85.7 B	85.7 B
Thallium	mg/kg	0.52 U	0.56 U	0.43 U	0.51 U	0.48 U	0.52 U	0.44 U	0.48 U	0.48 U
Vanadium	mg/kg	23.5	30.6	24.3	19.6	29	24.5	27	25	25
Zinc	mg/kg	244	1710	253	67.2	113	96.6	102	90.7	90.7
Cyanide	mg/kg	0.65 U	0.64 U	0.59 U	0.52 U	0.66 U	0.65 U	0.64 U	0.66 U	0.66 U

**ASH LANDFILL
SOIL INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B19-91	B19-91	B20-91	B20-91	B20-91	B20-91	B21-91	B21-91	B21-91
	DEPTH	2-4	4-6	0-2	2-4	4-6	0-2	2-4	2-4	2-4
	DATE	11/13/91	11/13/91	11/14/91	11/14/91	11/14/91	11/14/91	11/14/91	11/14/91	11/14/91
	MAIN ID	S1113-64	S1113-65	S1114-66	S1114-67	S1114-68	S1114-69	S1114-70	S1114-71(1)	S1114-71(1)
	LAB ID	148936	148937	149176		1439178	149179	149180	149181	149181
	UNITS									
Aluminum	mg/kg	21600	19500	13200	20300	19900	19400	21300	21400	
Antimony	mg/kg	11 U	10.3 U	10.6 U	10.6 U	7.5 U	9.8 U	7.6 U	9 U	
Arsenic	mg/kg	4.8	5.2	4.9	4.5	4	4.8	4.8	4.9	
Barium	mg/kg	61.7	90.7	74.5	90.7	62.6	110	75.9	74.7	
Beryllium	mg/kg	1.1	1	0.8 B	1.1	1	0.99	1.1	1.1	
Cadmium	mg/kg	4	3.8	2.6	4	4	3.3	4.8	4.2	
Calcium	mg/kg	9750	18000	123000	32500	35500	38300	7850	9720	
Chromium	mg/kg	34.8	29.8	17.5	29.8	29.8	28	33.4	33.9	
Cobalt	mg/kg	16.9	16.5	6.9 B	15.5	14.3	13.9	17.6	19	
Copper	mg/kg	18.3	22.8	26.5	26.1	19.8	26	21.8	20.3	
Iron	mg/kg	40300	38300	19900	36800	35500	31600	41500	38900	
Lead	mg/kg	7.4	8.6	18.4	26.3	6.2	15.7	8.2	7.6	
Magnesium	mg/kg	8050	6890	24100	8010	7890	9500	7720	7540	
Manganese	mg/kg	918	947	681	1060	920	1460	924	834	
Mercury	mg/kg	0.04 U	0.07 B	0.05 B	0.04 U	0.05 U	0.31	0.04 U	0.03 U	
Nickel	mg/kg	53.2	45.7	20.1	43.6	43.5	41.1	52.2	51.3	
Potassium	mg/kg	2110	1860	2050	2310	2070	2300	1630	1940	
Selenium	mg/kg	0.36 U	0.29 U	0.37 U	0.23 U	0.26 U	0.32 U	0.34 U	0.32 U	
Silver	mg/kg	1.6 U	1.5 U	1.6 U	1.6 U	1.1 U	1.5 U	1.1 U	1.3 U	
Sodium	mg/kg	122 B	126 B	150 B	115 B	162 B	133 B	101 B	111 B	
Thallium	mg/kg	0.6 U	0.48 U	0.61 U	0.38 U	0.45 U	0.53 U	0.56 U	0.52 U	
Vanadium	mg/kg	27.2	26.3	22.2	29.3	24.8	27.9	26.4	26.3	
Zinc	mg/kg	86.1	88.9	130	273	104	335	92.2	84	
Cyanide	mg/kg	0.64 U	0.68 U	0.67 U	0.63	0.63 U	0.58 U	0.67 U	0.68 U	

**ASH LANDFILL
SOIL INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SW-100	SW-800	B22-91	B22-91	B23-91	B23-91	B23-91	B23-91	B24-91
	DEPTH	N/A	N/A	0-2	2-4	0-2	2-4	4-8	0-2	0-2
	DATE	11/15/91	11/16/91	12/02/91	12/02/91	12/02/91	12/02/91	12/02/91	12/03/91	12/03/91
	MAIN ID	S1511-78	S1611-83	S1202-73	S1202-74	S1202-78	S1202-77	S1202-78	S1203-79	S1203-79
	LAB ID	149231	149232	150018	150017	150019	150020	150021	150022	150022
	UNITS									
Aluminum	mg/kg	17400	13500	18400	16500	15700	18700	18100	21700	
Antimony	mg/kg	13.9 U	11.3 U	9.2 U	10.5 U	10.2 U	9.8 U	10.5 U	12.3 U	
Arsenic	mg/kg	3	5.7	7.8	4.6	3.6	5.5	5.2	6.1	
Barium	mg/kg	129	81.8	107	70	96.2	69	67	106	
Beryllium	mg/kg	1.1 B	0.81 B	1.1	0.9 B	0.98	1.1	0.98	1.3	
Cadmium	mg/kg	3.5	4.1	1.8	2.5	2.1	2.4	2.6	2.7	
Calcium	mg/kg	10600	42900	3270	10800	1980	6970	11400	5440	
Chromium	mg/kg	26	22.6	27.4	29.4	22.6	31.1	31.7	29.6	
Cobalt	mg/kg	8.7 B	17	11.5	16.2	11.5	16.1	16.2	13.9	
Copper	mg/kg	58	16.7	21.4	22.6	18.4	22.7	21.3	32	
Iron	mg/kg	26300	36800	32000	37300	27800	36000	39400	33500	
Lead	mg/kg	85.4	8.5	13.6	4.5	8.4	8	4.1	15.5	
Magnesium	mg/kg	5000	7090	5470	7570	4150	7830	8620	5710	
Manganese	mg/kg	466	1050	578	848	632	577	733	1420	
Mercury	mg/kg	0.11 B	0.04 U	0.04 U	0.07 B	0.04 U	0.07 B	0.07 B	0.1 B	
Nickel	mg/kg	28.1	37.6	34.5	46.8	20.9	43.8	48.1	38.5	
Potassium	mg/kg	2150	975 B	1970	1470	1530	1920	1580	2790	
Selenium	mg/kg	0.66 B	0.27 U	0.21 U	0.19 U	0.19 U	0.15 U	0.16 U	0.27 U	
Silver	mg/kg	2.1 U	1.7 U	1.5 B	1.7 U	1.7 U	1.6 U	1.7 U	2 U	
Sodium	mg/kg	106 U	195 B	53 U	63.2 B	59.3 U	56.9 U	60.7 U	71.1 U	
Thallium	mg/kg	0.71 U	0.45 U	0.59 U	0.53 U	0.53 U	0.42 U	0.46 U	0.74 U	
Vanadium	mg/kg	26.1	20.3	28.2	21	27.4	25.4	27.2	33.8	
Zinc	mg/kg	495	100	78.4	74.5	56	79.6	102	107	
Cyanide	mg/kg	0.86 U	0.65 U	0.72 U	0.65 U	0.7 U	0.67 U	0.65 U	0.79 U	

**ASH LANDFILL
SOIL INORGANICS ANALYSIS RESULTS**

	MATRX LOCATION	SOIL B24-91	SOIL B24-91	SOIL B25-91	SOIL B25-91	SOIL B25-91	SOIL B25-91	SOIL B27-91	SOIL B27-91	SOIL B28-91
	DEPTH	2-4	4-6	0-2	2-4	4-6	0-2	2-4	2-4	0-2
	DATE	12/03/91	12/03/91	12/03/91	12/03/91	12/03/91	12/04/91	12/04/91	12/04/91	12/04/91
	MAIN ID	S1203-80	S1203-81	S1203-82	S1203-83	S1203-84	S1204-86(2,3)	S1204-87(3)	S1204-88(3)	S1204-88(3)
	LAB ID	150023	150024	150025	150026	150027	150235	150236	150237	150237
ANALYTE	UNITS									
Aluminum	mg/kg	14200	17200	16300	16200	19800	14800	17800	14500	14500
Antimony	mg/kg	9.2 U	9.8 U	12.4 U	7.5 U	11.7 U	12.4 U	8.4 U	12.1 U	12.1 U
Arsenic	mg/kg	5.2	3.1	5	6.2	3.5	5.5	4.6	3.9	3.9
Barium	mg/kg	59.8	67.8	104	68.6	54.9	114	96.7	94.7	94.7
Beryllium	mg/kg	0.82 B	1	0.99 B	0.88	1.2	0.89 B	1	0.88 B	0.88 B
Cadmium	mg/kg	2.1	2.2	2.3	2.3	2.7	1.8	2.4	2.6	2.6
Calcium	mg/kg	92200	33900	3970	16900	33200	4570	4930	3540	3540
Chromium	mg/kg	24.2	29.3	25.8	28.5	34.5	22.4	28	21.5	21.5
Cobalt	mg/kg	12	15.4	12.9	16	19.7	8.1 B	16	14.3	14.3
Copper	mg/kg	19.5	22.5	25.8	26.3	17.5	29.9	19.7	23.2	23.2
Iron	mg/kg	30800	36100	31200	35600	41100	23200	36100	26200	26200
Lead	mg/kg	8.1	3.7	14	7.4	3.5	33.2	12	16	16
Magnesium	mg/kg	8340	8170	5190	6850	9190	4000	6170	4240	4240
Manganese	mg/kg	622	920	653	700	1030	526	1120	1290	1290
Mercury	mg/kg	0.04 U	0.04 B	0.08 B	0.04 U	0.04 U	0.09 B	0.04 B	0.05 B	0.05 B
Nickel	mg/kg	38.1	43.8	31.4	45.8	54.6	25.3	39.5	28.3	28.3
Potassium	mg/kg	1580	2190	2130	1550	1860	1850	1920	1580	1580
Selenium	mg/kg	0.21 U	0.18 U	0.18 U	0.15 U	0.18 U	0.22 U	0.14 U	0.14 U	0.14 U
Silver	mg/kg	1.5 U	1.8 U	2 U	1.2 U	1.9 U	2 U	1.4 U	2 U	2 U
Sodium	mg/kg	104 B	106 B	72 U	55.4 B	106 B	71.7 U	48.5 U	69.9 U	69.9 U
Thallium	mg/kg	0.8 U	0.51 U	0.5 U	0.42 U	0.5 U	0.81 U	0.39 U	0.39 U	0.39 U
Vanadium	mg/kg	22	24.5	28.8	23.3	26.5	25.6	26	19.1	19.1
Zinc	mg/kg	69.8	88.8	93.2	99	66.9	284	84.4	131	131
Cyanide	mg/kg	0.63 U	0.59 U	0.78 U	0.8 U	0.62 U	0.6 U	0.61 U	0.65 U	0.65 U

**ASH LANDFILL
SOIL INORGANICS ANALYSIS RESULTS**

	MATRX LOCATION	SOIL B28-91	SOIL B28-91	SOIL B28-91	SOIL B29-91	SOIL B29-91	SOIL B29-91	SOIL B29-91	SOIL B29-91	SOIL B29-91
	DEPTH	2-4	2-4	4-6	0-2	0-2	2-4	4-6	4-6	4-6
	DATE	12/04/91	12/06/91	12/06/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91
	MAIN ID	S1204-89	S1204-89A(1)	S1204-90(3)	S1204-91	S1204-91A(1)	S1204-92	S1204-93	S1204-93A(1)	S1204-93A(1)
	LAB ID	150238	150240	150241	150242	150243	150244	150245	150246	150246
ANALYTE	UNITS									
Aluminum	mg/kg	15800	20100	19200	19100	16300	18100	18500	14700	
Antimony	mg/kg	7.6 U	6.8 U	8.9 U	11.2 U	10.4 U	6.6 U	10.4 U	10.3 U	
Arsenic	mg/kg	6.3	6.1	4.5	5.1	4.7	4.2	4.4	4.2	
Barium	mg/kg	69.5	71.5	50.4	144	84.1	71.8	49.9	34.8 B	
Beryllium	mg/kg	0.94	1	0.99	1.2	1	0.9	0.99	0.81 B	
Cadmium	mg/kg	2.4	4.1	3.9	3.6	3.4	3.7	4	3	
Calcium	mg/kg	2870	3010	10900	5110	5040	60500	12100	15900	
Chromium	mg/kg	26.3	30.5	29	26.6	23.2	25.7	27.5	22	
Cobalt	mg/kg	16.7	17.7	14.4	13.9	10.8	15.2	15.2	10.1	
Copper	mg/kg	24.6	25.6	13.6	26.9	24.5	27.3	21.5	16	
Iron	mg/kg	35800	44000	40900	32000	26100	35300	36800	27500	
Lead	mg/kg	8.1	12.4	5.5	12.8	9.4	6.8	4.1	4.3	
Magnesium	mg/kg	6370	7500	7720	5300	5230	9690	7480	6030	
Manganese	mg/kg	1070	938	646	1700	551	667	492	364	
Mercury	mg/kg	0.04 U	0.04 U	0.03 U	0.07 B	0.05 B	0.03 U	0.05 B	0.05 U	
Nickel	mg/kg	43.1	48.2	46.9	35.3	31.1	41.8	41.2	32.4	
Potassium	mg/kg	1550	1980	1700	2480	2230	2180	1690	1350	
Selenium	mg/kg	0.22 U	0.19 U	0.14 U	0.13 U	0.13 U	0.75 U	0.15 U	0.22 U	
Silver	mg/kg	1.2 U	0.43 U	0.58 U	1.1 B	0.66 U	0.42 U	0.69 B	0.66 U	
Sodium	mg/kg	44.2 U	63.1 B	84.3 B	66 B	64.9 B	131 B	80.8 B	78.6 B	
Thallium	mg/kg	0.61 U	0.54 U	0.39 U	0.37 U	0.38 U	0.42 U	0.41 U	0.63 U	
Vanadium	mg/kg	22.4	26	23.7	32.6	27.8	25.3	23.5	18.9	
Zinc	mg/kg	136	168	112	101	77.2	101	100	68.5	
Cyanide	mg/kg	0.65 U	0.62 U	0.62 U	0.71 U	0.71 U	0.65 U	0.59 U	0.6 U	

**ASH LANDFILL
SOIL INORGANICS ANALYSIS RESULTS**

	MATRX LOCATION	SOIL B30-91	SOIL B30-91	SOIL B30-91	SOIL B30-91	SOIL B30-91	SOIL B30-91	SOIL B31-91	SOIL B31-91	SOIL B31-91
	DEPTH	0-2	0-2	2-4	4-6	4-8	0-2	0-2	0-2	2-4
	DATE	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/05/91	12/05/91	12/05/91	12/05/91
	MAIN ID	S1204-94	S1204-94A(1)	S1204-95	S1204-96	S1204-96A(1)	S1205-97	S1205-97A(1)	S1205-98(1)	S1205-98(3)
	LAB ID	150247	150248	150249	150250	150251	150252	150253	150254	150254
ANALYTE	UNITS									
Aluminum	mg/kg	16200	14400	15700	13000	19800	18400	14100	25500	
Antimony	mg/kg	7.3 U	9.5 U	7.6 U	6.3 U	11.1 U	9.9 U	7.4 B	8.7 U	
Arsenic	mg/kg	5.1	4.8	5.5	3	4.3	10.8	8.8	45.8	
Barium	mg/kg	86.4	74.8	64.9	38.5	63.9	136	111	121	
Beryllium	mg/kg	0.79	0.8 B	0.82	0.69	1.1	1	0.87	0.98	
Cadmium	mg/kg	2.9	2.2	3	2.9	3.7	3.8	3.7	4.3	
Calcium	mg/kg	16900	20200	44800	2460	4110	24700	79200	17800	
Chromium	mg/kg	20	18.5	22.5	20.7	29.7	28.3	22.4	34.8	
Cobalt	mg/kg	8.9	7.8 B	12.5	10.4	13.7	11.8	10.8	15.4	
Copper	mg/kg	18.9	18.1	22.9	12	15.6	64.8	146	78.1	
Iron	mg/kg	24000	19700	27700	29800	35500	34400	30700	41800	
Lead	mg/kg	11.5	8.8	7	7.3	8.2	160	202	698	
Magnesium	mg/kg	5190	10700	7660	5160	7230	7810	8510	9290	
Manganese	mg/kg	735	597	627	347	449	670	495	724	
Mercury	mg/kg	0.04 U	0.05 B	0.04 B	0.04 U	0.04 U	0.78	0.17	0.17	
Nickel	mg/kg	23.7	19.8	36.7	31	42.4	35.5	39.9	40.9	
Potassium	mg/kg	2040	2120	1910	938	2060	2610	2110	2330	
Selenium	mg/kg	0.17 U	1.1 U	0.98 U	0.61 U	0.19 U	0.23 U	0.22 U	0.23 U	
Silver	mg/kg	0.47 U	0.61 U	0.48 U	0.45 B	0.76 B	0.63 U	0.56 B	0.55 U	
Sodium	mg/kg	83.3 B	74.8 B	101 B	40 B	62.9 B	113 B	141 B	201 B	
Thallium	mg/kg	0.47 U	0.8 U	0.55 U	0.34 U	0.52 U	0.64 U	0.81 U	0.64 U	
Vanadium	mg/kg	25.2	24	21.5	18	24.8	29.7	24.1	28.3	
Zinc	mg/kg	68.5	69.5	96.5	74.4	111	797	1210	472	
Cyanide	mg/kg	0.69 U	0.68 U	0.61 U	0.85 U	0.65 U	0.72 U	0.63 U	0.63 U	

**ASH LANDFILL
SOIL INORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL B31-91	SOIL B31-91
	DEPTH	4-6	8-8
	DATE	12/05/91	12/05/91
	MAIN ID	S1205-99	S1205-100(2)
ANALYTE	LAB ID	150255	150256
	UNITS		
Aluminum	mg/kg	15000	21200
Antimony	mg/kg	11.4 U	13.1 U
Arsenic	mg/kg	3.9	2.8
Barium	mg/kg	52.2	61.1
Beryllium	mg/kg	0.86 B	1.1 B
Cadmium	mg/kg	3.5	4.4
Calcium	mg/kg	25500	3460
Chromium	mg/kg	28.8	30.4
Cobalt	mg/kg	14.4	18.1
Copper	mg/kg	31.6	26.4
Iron	mg/kg	29000	44100
Lead	mg/kg	68.5	15.3
Magnesium	mg/kg	7020	7010
Manganese	mg/kg	337	541
Mercury	mg/kg	0.05 B	0.05 U
Nickel	mg/kg	51.1	47
Potassium	mg/kg	2170	1280
Selenium	mg/kg	0.24 B	0.23 U
Silver	mg/kg	0.9 B	0.84 U
Sodium	mg/kg	141 B	326 B
Thallium	mg/kg	0.51 U	0.66 U
Vanadium	mg/kg	22	25.3
Zinc	mg/kg	393	93.5
Cyanide	mg/kg	0.84 U	0.73 U

**ASH LANDFILL
SOIL HERBICIDES ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	SOIL B1-91 0-2 10/30/91 S1030-1 147824	SOIL B1-91 2-4 10/30/91 S1030-2 147825	SOIL B1-91 6-8 10/30/91 S1030-3 147826	SOIL B2-91 0-2 10/31/91 S1031-4 147827	SOIL B2-91 2-4 10/31/91 S1031-5 147828	SOIL B2-91 6-8 10/31/91 S1031-6 147829	SOIL B3-91 0-2 10/31/91 S1031-8 147831	SOIL B3-91 4-8 10/31/91 S1031-10 147833
2,4-D	ug/Kg	54 U	55 U	53 U	54 U	56 U	55 U	68 U	58 U
2,4-DB	ug/Kg	54 U	350	53 U	250	58 U	55 U	68 U	100
2,4,5-T	ug/Kg	5.4 U	5.5 U	5.3 U	5.4 U	5.8 U	5.5 U	6.8 U	5.8 U
2,4,5-TP (Silvex)	ug/Kg	5.4 U	5.5 U	5.3 U	5.4 U	5.8 U	5.5 U	6.8 U	5.8 U
Dalapon	ug/Kg	130 U	130 U	130 U	130 U	130 U	130 U	160 U	130 U
Dicamba	ug/Kg	5.4 U	5.5 U	5.3 U	5.4 U	5.8 U	5.5 U	6.8 U	5.8 U
Dichloroprop	ug/Kg	54 U	55 U	53 U	54 U	56 U	55 U	68 U	58 U
Dinoseb	ug/Kg	27 U	27 U	28 U	27 U	28 U	27 U	34 U	28 U
MCPA	ug/Kg	5400 U	5500 U	5300 U	5400 U	5600 U	5500 U	8800 U	5600 U
MCPP	ug/Kg	5400 U	5500 U	5300 U	5400 U	5600 U	5500 U	7500	5600 U

**ASH LANDFILL
SOIL HERBICIDES ANALYSIS RESULTS**

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B4-91	B4-91	B4-91	B5-91	B5-91	B5-91	B5-91	B6-91
	DEPTH	0-2	2-4	4-6	0-2	2-4	4-6	0-2	2-4
	DATE	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91	11/01/91	11/04/91	11/04/91
	MAIN ID	S1101-12	S1101-13	S1101-14	S1101-15	S1101-16	S1101-17	S1104-19	S1104-20
	LAB ID	147885	147886	147887	147886	147889	147890	146021	146022
COMPOUND	UNITS								
2,4-D	ug/Kg	59 U	55 U	54 U	64 U	55 U	58 U	59 U	58 U
2,4-DB	ug/Kg	59 U	140	230	64 U	55 U	180	91 B	56 U
2,4,5-T	ug/Kg	5.9 U	5.5 U	5.4 U	6.4 U	5.5 U	5.8 U	5.9 U	5.8 U
2,4,5-TP (Silvex)	ug/Kg	5.9 U	5.5 U	5.4 U	6.4 U	5.5 U	5.8 U	5.9 U	5.8 U
Dalapon	ug/Kg	140 U	130 U	130 U	150 U	130 U	140 U	140 U	130 U
Dicamba	ug/Kg	5.9 U	5.5 U	5.4 U	6.4 U	5.5 U	5.8 U	5.9 U	5.8 U
Dichloroprop	ug/Kg	59 U	55 U	54 U	64 U	55 U	58 U	59 U	58 U
Dinoseb	ug/Kg	30 U	27 U	27 U	32 U	27 U	29 U	29 U	26 U
MCPA	ug/Kg	5900 U	5500 U	5400 U	6400 U	5500 U	5800 U	5900 U	5600 U
MCPP	ug/Kg	5900 U	5500 U	5400 U	6400 U	5500 U	5800 U	5900 U	5600 U

**ASH LANDFILL
SOIL HERBICIDES ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL B7-91	SOIL B7-91	SOIL B7-91	SOIL B8-91	SOIL B8-91	SOIL B8-91	SOIL B8-91	SOIL B8-91	SOIL B9-91
	DEPTH	0-2	2-4	10-12	0-2	2-4	2-4	6-8	0-2	0-2
	DATE	11/04/91	11/04/91	11/04/91	11/05/91	11/05/91	11/05/91	11/05/91	11/05/91	11/05/91
	MAIN ID	S1104-21	S1104-22	S1104-23	S1105-24	S1105-25	S1105-26(1)	S1105-27	S1105-28	S1105-28
	LAB ID	148023	148024	148025	148026	148027	148028	148029	148030	148030
COMPOUND	UNITS									
2,4-D	ug/Kg	56 U	54 U	66 U	58 U	56 U	56 U	53 U	60 U	60 U
2,4-DB	ug/Kg	56 U	54 U	66 U	58 U	56 U	56 U	53 U	60 U	60 U
2,4,5-T	ug/Kg	6 U	5 U	7 U	6 U	6 U	6 U	5 U	6 U	6 U
2,4,5-TP (Silvex)	ug/Kg	6 U	5 U	7 U	8 U	6 U	6 U	5 U	6 U	6 U
Dalapon	ug/Kg	130 U	130 U	160 U	140 U	130 U	130 U	130 U	140 U	140 U
Dicamba	ug/Kg	6 U	5 U	7 U	6 U	6 U	6 U	5 U	6 U	6 U
Dichloroprop	ug/Kg	56 U	54 U	66 U	58 U	56 U	56 U	53 U	60 U	60 U
Dinoseb	ug/Kg	28 U	27 U	33 U	29 U	28 U	28 U	27 U	30 U	30 U
MCPA	ug/Kg	5600 U	5400 U	6600 U	5800 U	5600 U	5600 U	5300 U	6000 U	6000 U
MCPP	ug/Kg	5600 U	5400 U	6600 U	5800 U	5600 U	5600 U	5300 U	6000 U	6000 U

**ASH LANDFILL
SOIL HERBICIDES ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	LOCATION	B9-91	B9-91	B10-91	B10-91	B10-91	B10-91	B10-91	B11-91	B11-91
	DEPTH	2-4	6-8	0-2	2-4	2-4	2-4	6-8	0-2	2-4
	DATE	11/05/91	11/05/91	11/06/91	11/06/91	11/06/91	11/06/91	11/06/91	11/06/91	11/06/91
	MAIN ID	S1105-29	S1105-30RE(4)	S1106-31	S1106-32	S1106-33(1)	S1106-34	S1106-36	S1106-37	S1106-37
	LAB ID	148031	148032RI	148457	148458	148459	148460	148462	148463	148463
	UNITS									
2,4-D	ug/Kg	58 U	54 U	57 U	56 U	57 U	57 U	60 U	54 U	54 U
2,4-DB	ug/Kg	56 U	54 U	57 U	56 U	57 U	57 U	60 U	54 U	54 U
2,4,5-T	ug/Kg	56 U	54 U	6 U	6 U	6 U	6 U	6 U	5 U	5 U
2,4,5-TP (Silvex)	ug/Kg	6 U	5 U	10	6 U	6 U	6 U	6 U	5 U	5 U
Dalapon	ug/Kg	6 U	5 U	140 U	140 U	140 U	140 U	140 U	130 U	130 U
Dicamba	ug/Kg	130 U	130 U	6 U	6 U	6 U	6 U	6 U	5 U	5 U
Dichloroprop	ug/Kg	6 U	5 U	57 U	56 U	57 U	57 U	60 U	54 U	54 U
Dinoseb	ug/Kg	56 U	54 U	29 U	28 U	29 U	28 U	30 U	27 U	27 U
MCPA	ug/Kg	28 U	27 U	5700 U	5600 U	5700 U	5700 U	6000 U	5400 U	5400 U
MCPP	ug/Kg	5600 U	5400 U	13000	5600 U	5700 U	5700 U	24000	5400 U	5400 U
		5600 U	5400 U							

**ASH LANDFILL
SOIL HERBICIDES ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	B11-91	B12-91	B12-91	B12-91	B13-91	B13-91	B13-91	B13-91	B14-91	B14-91
	6-8	0-2	0-2	2-4	0-2	2-4	6-8	0-2	2-4	2-4
	11/08/91	11/06/91	11/06/91	11/06/91	11/07/91	11/07/91	11/07/91	11/07/91	11/08/91	11/08/91
	S1106-38	S1106-39	S1107-40	S1107-42	S1107-43	S1107-44	S1108-45	S1108-46	S1108-46	S1108-46
	LAB ID	148464	148704	148705	148707	148708	148709	148710	148711	148711
	UNITS									
2,4-D	ug/Kg	55 U	59 U	54 U	61 U	55 U	52 U	57 U	54 U	54 U
2,4-DB	ug/Kg	55 U	59 U	54 U	61 U	555 U	52 U	57 U	54 U	54 U
2,4,5-T	ug/Kg	5 U	6 U	5 U	6 U	5 U	5 U	6 U	5 U	5 U
2,4,5-TP (Silvex)	ug/Kg	5 U	6 U	5 U	6 U	5 U	5 U	6 U	5 U	5 U
Dalapon	ug/Kg	130 U	140 U	130 U	150 U	130 U	120 U	140 U	130 U	130 U
Dicamba	ug/Kg	5 U	6 U	5 U	6 U	5 U	5 U	6 U	5 U	5 U
Dichloroprop	ug/Kg	55 U	59 U	54 U	61 U	55 U	52 U	57 U	54 U	54 U
Dinoseb	ug/Kg	27 U	29 U	27 U	31 U	27 U	26 U	29 U	27 U	27 U
MCPA	ug/Kg	5500 U	5900 U	5400 U	6100 U	5500 U	5200 U	5700 U	5400 U	5400 U
MCPP	ug/Kg	5500 U	18000	5400 U	6100 U	5500 U	5200 U	8600	5400 U	5400 U

**ASH LANDFILL
SOIL HERBICIDES ANALYSIS RESULTS**

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B14-91	B14-91	B15-91	B15-91	B15-91	B15-91	B15-91	B16-91
	DEPTH	2-4	4-8	0-2	2-4	2-4	6-8	0-2	2-4
	DATE	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/08/91	11/12/91	11/12/91
	MAIN ID	S1108-47(1)	S1108-48	S1108-49	S1108-50	S1108-51(1)	S1108-52	S1112-53	S1112-54
	LAB ID	148712	148713	148714	148715	148716	148717	148925	148926
COMPOUND	UNITS								
2,4-D	ug/Kg	55 U	53 U	53 U	60 U	59 U	54 U	59 U	55 U
2,4-DB	ug/Kg	55 U	53 U	53 U	60 U	59 U	54 U	59 U	55 U
2,4,5-T	ug/Kg	5 U	5 U	5 U	6 U	6 U	5 U	6 U	6 U
2,4,5-TP (Silvex)	ug/Kg	5 U	5 U	5 U	6 U	6 U	5 U	6 U	6 U
Dalapon	ug/Kg	130 U	130 U	130 U	140 U	140 U	130 U	140 U	130 U
Dicamba	ug/Kg	5 U	5 U	5 U	6 U	6 U	5 U	6 U	6 U
Dichloroprop	ug/Kg	55 U	53 U	53 U	60 U	59 U	54 U	59 U	55 U
Dinoseb	ug/Kg	27 U	26 U	26 U	30 U	30 U	27 U	30 U	28 U
MCPA	ug/Kg	5500 U	5300 U	5300 U	6000 U	5900 U	5400 U	5900 U	5500 U
MCPD	ug/Kg	5500 U	5300 U	5300 U	6000 U	5900 U	5400 U	5900 U	5500 U

**ASH LANDFILL
SOIL HERBICIDES ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL B16-91	SOIL B17-91	SOIL B17-91	SOIL B17-91	SOIL B17-91	SOIL B18-91	SOIL B18-91	SOIL B18-91
	DEPTH	6-8	0-2	2-4	4-8	6-8	0-2	2-4	4-6
	DATE	11/12/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91	11/13/91
	MAIN ID	S1112-55	S1113-56	S1113-57	S1113-58	S1113-59(2)	S1113-60	S1113-61	S1113-62
	LAB ID	148927	148928	148929	148930	148931	148932	148933	148934
COMPOUND	UNITS								
2,4-D	ug/Kg	54 U	56 U	60 U	60 U	53 U	56 U	57 U	53 U
2,4-DB	ug/Kg	54 U	56 U	60 U	60 U	53 U	56 U	57 U	53 U
2,4,5-T	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	6 U	5 U
2,4,5-TP (Silvex)	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	6 U	5 U
Dalapon	ug/Kg	130 U	130 U	150 U	140 U	130 U	140 U	140 U	130 U
Dicamba	ug/Kg	5 U	6 U	6 U	6 U	5 U	6 U	6 U	5 U
Dichloroprop	ug/Kg	54 U	56 U	60 U	60 U	53 U	56 U	57 U	53 U
Dinoseb	ug/Kg	27 U	26 U	30 U	30 U	26 U	28 U	29 U	26 U
MCPA	ug/Kg	5400 U	5600 U	6000 U	6000 U	5300 U	5600 U	5700 U	5300 U
MCPP	ug/Kg	5400 U	5600 U	6000 U	6000 U	5300 U	5600 U	5700 U	5300 U

**ASH LANDFILL
SOIL HERBICIDES ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	SOIL B19-91 0-2 11/13/91 S1113-63 148935	SOIL B19-91 2-4 11/13/91 S1113-64 148936	SOIL B19-91 4-6 11/13/91 S1113-65 148937	SOIL B20-91 0-2 11/14/91 S1114-66 149176	SOIL B20-91 2-4 11/14/91 S1114-67 149177	SOIL B20-91 4-6 11/14/91 S1114-68 149178	SOIL B21-91 0-2 11/14/91 S1114-69 149179	SOIL B21-91 2-4 11/14/91 S1114-70 149180
2,4-D	ug/Kg	60 U	56 U	59 U	60 U	57 U	56 U	58 U	57 U
2,4-DB	ug/Kg	60 U	56 U	59 U	60 U	57 U	56 U	58 U	57 U
2,4,5-T	ug/Kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2,4,5-TP (Silvex)	ug/Kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Dalapon	ug/Kg	140 U	140 U	140 U	140 U	140 U	130 U	140 U	140 U
Dicamba	ug/Kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Dichloroprop	ug/Kg	60 U	56 U	59 U	60 U	57 U	56 U	58 U	57 U
Dinoseb	ug/Kg	30 U	28 U	29 U	30 U	29 U	28 U	29 U	29 U
MCPA	ug/Kg	6000 U	5600 U	5900 U	6000 U	5700 U	5600 U	5800 U	5700 U
MCPP	ug/Kg	6000 U	5600 U	5900 U	6000 U	5700 U	5600 U	5800 U	5700 U

**ASH LANDFILL
SOIL HERBICIDES ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B21-91	B22-91	B22-91	B23-91	B23-91	B23-91	B23-91	B24-91
	DEPTH	2-4	0-2	2-4	0-2	2-4	4-6	0-2	2-4
	DATE	11/14/91	12/02/91	12/02/91	12/02/91	12/02/91	12/02/91	12/03/91	12/03/91
	MAIN ID	S1114-71(1)	S1202-73	S1202-74	S1202-78	S1202-77	S1202-78	S1203-79	S1203-80
	LAB ID	149181	150016	150017	150019	150020	150021	150022	150023
	UNITS								
2,4-D	ug/Kg	57 U	60 U	54 U	60 U	56 U	56 U	68 U	55 U
2,4-DB	ug/Kg	57 U	60 U	54 U	60 U	56 U	56 U	68 U	55 U
2,4,5-T	ug/Kg	6 U	6 U	5 U	6 U	6 U	6 U	7 U	5 U
2,4,5-TP (Silvex)	ug/Kg	6 U	6 U	5 U	6 U	6 U	6 U	7 U	5 U
Dalapon	ug/Kg	140 U	150 U	130 U	140 U	130 U	130 U	160 U	130 U
Dicamba	ug/Kg	6 U	6 U	5 U	6 U	6 U	6 U	7 U	5 U
Dichloroprop	ug/Kg	57 U	60 U	54 U	60 U	56 U	56 U	68 U	55 U
Dinoseb	ug/Kg	28 U	30 U	27 U	30 U	26 U	26 U	34 U	27 U
MCPA	ug/Kg	5700 U	6000 U	5400 U	6000 U	5600 U	5600 U	6600 U	5500 U
MCPP	ug/Kg	5700 U	6000 U	5400 U	6000 U	5600 U	5600 U	6600 U	5500 U

**ASH LANDFILL
SOIL HERBICIDES ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL B24-91	SOIL B25-91	SOIL B25-91	SOIL B25-91	SOIL B27-91	SOIL B27-91	SOIL B28-91	SOIL B28-91
	DEPTH	4-6	0-2	2-4	4-6	0-2	2-4	0-2	2-4
	DATE	12/03/91	12/03/91	12/03/91	12/03/91	12/04/91	12/04/91	12/04/91	12/04/91
	MAIN ID	S1203-81	S1203-82	S1203-83	S1203-84	S1204-86(2,3)	S1204-87(3)	S1204-88	S1204-89
	LAB ID	150024	150025	150026	150027	150235	150236	150237	150238
COMPOUND	UNITS								
2,4-D	ug/Kg	53 U	66 U	55 U	53 U	63 U	59 U	54 U	58 U
2,4-DB	ug/Kg	53 U	66 U	55 U	53 U	63 U	59 U	54 U	58 U
2,4,5-T	ug/Kg	5 U	7 U	6 U	5 U	6 U	6 U	5 U	8 U
2,4,5-TP (Silvex)	ug/Kg	5 U	7 U	6 U	5 U	6 U	6 U	5 U	6 U
Dalapon	ug/Kg	130 U	160 U	130 U	130 U	150 U	140 U	130 U	140 U
Dicamba	ug/Kg	5 U	7 U	6 U	5 U	6 U	6 U	5 U	6 U
Dichloroprop	ug/Kg	53 U	66 U	55 U	53 U	63 U	59 U	54 U	58 U
Dinoseb	ug/Kg	27 U	33 U	28 U	27 U	32 U	30 U	27 U	29 U
MCPA	ug/Kg	5300 U	6600 U	5500 U	5300 U	6300 U	5900 U	5400 U	5800 U
MCPP	ug/Kg	5300 U	6600 U	5500 U	5300 U	6300 U	5900 U	5400 U	5800 U

**ASH LANDFILL
SOIL HERBICIDES ANALYSIS RESULTS**

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	B28-91	B28-91	B29-91	B29-91	B29-91	B29-91	B29-91	B30-91
	DEPTH	2-4	4-8	0-2	0-2	2-4	4-6	4-6	0-2
	DATE	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91	12/04/91
	MAIN ID	S1204-89A(1)	S1204-90(3)	S1204-91	S1204-91A(1)	S1204-92	S1204-93	S1204-93A(1)	S1204-94
	LAB ID	150240	150241	150242	150243	150244	150245	150246	150247
COMPOUND	UNITS								
2,4-D	ug/Kg	59 U	55 U	81 U	60 U	57 U	57 U	56 U	61 U
2,4-DB	ug/Kg	59 U	55 U	61 U	60 U	57 U	410	56 U	61 U
2,4,5-T	ug/Kg	5.9 U	5.5 U	6.1 U	6 U	5.7 U	5.7 U	5.6 U	6.1 U
2,4,5-TP (Silvex)	ug/Kg	5.9 U	5.5 U	6.1 U	6 U	5.7 U	5.7 U	5.6 U	6.1 U
Dalapon	ug/Kg	140 U	130 U	150 U	140 U	140 U	140 U	130 U	150 U
Dicamba	ug/Kg	5.9 U	5.5 U	6.1 U	6 U	5.7 U	5.7 U	5.6 U	6.1 U
Dichloroprop	ug/Kg	59 U	55 U	61 U	60 U	57 U	57 U	56 U	61 U
Dinoseb	ug/Kg	29 U	28 U	30 U	30 U	29 U	28 U	28 U	30 U
MCPA	ug/Kg	5900 U	5500 U	6100 U	6000 U	5700 U	5700 U	5600 U	6100 U
MCPP	ug/Kg	5900 U	5500 U	6100 U	6000 U	5700 U	5700 U	5600 U	6100 U

**ASH LANDFILL
SOIL HERBICIDES ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	SOIL B30-91 0-2 12/04/91 S1204-94A(1) 150248	SOIL B30-91 2-4 12/04/91 S1204-95 150249	SOIL B30-91 4-6 12/04/91 S1204-96 150250	SOIL B30-91 4-6 12/04/91 S1204-96A(1) 150251	SOIL B31-91 0-2 12/04/91 S1205-97 150252	SOIL B31-91 0-2 12/04/91 S1205-97A(1) 150253	SOIL B31-91 2-4 12/05/91 S1205-98(3) 150254	SOIL B31-91 4-6 12/05/91 S1205-99 150255
2,4-D	ug/Kg	60 U	56 U	56 U	55 U	60 U	59 U	60 U	54 U
2,4-DB	ug/Kg	60 U	56 U	56 U	55 U	60 U	59 U	60 U	54 U
2,4,5-T	ug/Kg	6 U	5.6 U	5.6 U	5.5 U	6 U	5.9 U	6 U	5.4 U
2,4,5-TP (Silvex)	ug/Kg	6 U	5.6 U	5.6 U	5.5 U	6 U	5.9 U	6 U	5.4 U
Dalapon	ug/Kg	140 U	130 U	130 U	130 U	140 U	140 U	140 U	130 U
Dicamba	ug/Kg	6 U	5.6 U	5.6 U	5.5 U	6 U	5.9 U	6 U	5.4 U
Dichloroprop	ug/Kg	60 U	56 U	56 U	55 U	60 U	59 U	60 U	54 U
Dinoseb	ug/Kg	30 U	28 U	28 U	27 U	30 U	30 U	30 U	27 U
MCPA	ug/Kg	6000 U	5600 U	5600 U	5500 U	6000 U	5900 U	6000 U	6200 U
MCPP	ug/Kg	6000 U	5600 U	5600 U	5500 U	6000 U	5900 U	6000 U	6200 U

**ASH LANDFILL
SOIL HERBICIDES ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	SOIL B31-91 6-8 12/05/91 S1205-100 150258
2,4-D	ug/Kg	61 U
2,4-DB	ug/Kg	61 U
2,4,5-T	ug/Kg	6.1 U
2,4,5-TP (Silvex)	ug/Kg	6.1 U
Dalapon	ug/Kg	150 U
Dicamba	ug/Kg	6.1 U
Dichloroprop	ug/Kg	61 U
Dinoseb	ug/Kg	31 U
MCPA	ug/Kg	6100 U
MCPP	ug/Kg	6100 U

GROUNDWATER

**ASH LANDFILL
GROUNDWATER VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	PT-10	PT-11	PT-12	PT-12	PT-15	PT-16	PT-17	PT-18
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/08/92	01/15/92	01/17/92	01/17/92	01/10-13/92	01/08/92	01/16/92	01/09/92
	MAIN ID	PT-10(2)	PT-11	PT-12	PT-3(1)	PT-15	PT-16	PT-17	PT-18
	LAB ID	152156	152574	152704	152703	152167	152158	152847	152159
	UNITS								
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	14 U	670 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	14 U	670 U
Vinyl Chloride	ug/L	10 U	10 U	4 J	4 J	10 U	10 U	14 U	670 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	14 U	670 U
Methyl Chloride	ug/L	5 U	4 BJ	5 U	5 U	5 U	5 U	6 BJ	100 BJ
Acetone	ug/L	4 J	4 BJ	10 U	10 U	4 J	4 J	2 BJ	670 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
1,2-Dichloroethane (total)	ug/L	5 U	5 U	100	200	5 U	5 U	53	400
Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	3 J	180 J
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	14 U	670 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
Vinyl Acetate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	14 U	670 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
cis-1,3-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
Trichloroethene	ug/L	5 U	5 U	180	180	5 U	5 U	280	11000
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
1,1,2-Trichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
trans-1,3-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	14 U	670 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	14 U	670 U
Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	7 U	330 U
Xylene (total)	ug/L	5 U	4 J	5 U	5 U	5 U	5 U	7 U	330 U

**ASH LANDFILL
GROUNDWATER VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	PT-19	PT-20	PT-21	PT-22	PT-23	PT-24	PT-25	PT-26
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/17/92	01/17/92	01/17/92	01/09/92	01/14/92	01/14/92	01/15/92	01/17/92
	MAIN ID	PT-19	PT-20(2,3)	PT-21	PT-22	PT-23	PT-24	PT-25	PT-26
	LAB ID	152705	152706	152707	152180	152506	152507	152575	152708
	UNITS								
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	2 BU	3 BU	5 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	3 BU	3 BU	10 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane (total)	ug/L	5 U	24	18	100	5 U	100	5 U	5 U
Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	4 J	5 U	5 U	5 U	5 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	5 U	25	2 J	80	5 U	4 J	5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

**ASH LANDFILL
GROUNDWATER VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	MW-27	MW-28	MW-28	MW-29	MW-30	MW-31	MW-32	MW-33
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/15/92	01/15/92	01/15/92	01/15/92	01/18/92	01/18/92	01/18/92	02/03/92 CK
	MAIN ID	MW-27	MW-28	PT-2(1)	MW-29	MW-30	MW-31	MW-32	MW-33
	LAB ID	152570	152571	152573	152572	152642	152643	152644	153418
	UNITS								
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	3 BU
Acetone	ug/L	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane (total)	ug/L	5 U	60	62	71	5 U	5 U	5 U	5 U
Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	5 U	32	33	1 J	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

**ASH LANDFILL
GROUNDWATER VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	WATER MW-34 N/A 01/10/92 MW-34 152257	WATER MW-34 N/A 01/10/92 PT-1(1) 152259	WATER MW-35D N/A 01/14/92 MW-35D 152503	WATER MW-36 N/A 01/14/92 MW-36 152504	WATER MW-37 N/A 01/10/92 MW-37 152646	WATER MW-38D N/A 01/08/92 MW-38D 152154	WATER MW-39 N/A 01/14/92 MW-39 152505	WATER MW-40 N/A 01/09/92 MW-40 152155
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	ug/L	2 J	10 U	3 J	10 U	10 U	4 J	10 U	4 J
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

**ASH LANDFILL
GROUNDWATER VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	WATER MW-41D N/A 01/13/92 MW-41D 152409	WATER MW-42D N/A 01/13/92 MW-42D 152410
Chloromethane	ug/L	10 U	10 U
Bromomethane	ug/L	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U
Chloroethane	ug/L	10 U	10 U
Methyl Chloride	ug/L	5 U	5 U
Acetone	ug/L	2 J	2 J
Carbon Disulfide	ug/L	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U
1,2-Dichloroethane (total)	ug/L	5 U	5 U
Chloroform	ug/L	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	5 U
2-Butanone	ug/L	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	5 U
Vinyl Acetate	ug/L	10 U	10 U
Bromodichloromethane	ug/L	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U
Trichloroethene	ug/L	5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U
1,1,2-Trichloroethene	ug/L	5 U	5 U
Benzene	ug/L	5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U
Bromoform	ug/L	5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U
2-Heptanone	ug/L	10 U	10 U
Tetrachloroethene	ug/L	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U
Toluene	ug/L	5 U	5 U
Chlorobenzene	ug/L	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U
Styrene	ug/L	5 U	5 U
Xylene (total)	ug/L	5 U	5 U

**ASH LANDFILL
GROUNDWATER SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	PT-10	PT-10	PT-11	PT-12	PT-12	PT-15	PT-16	PT-17
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/08/92	01/08/92	01/15/92	01/17/92	01/17/92	01/10-13/92	01/08/92	01/18/92
	MAIN ID	PT-1(1)	PT-10	PT-11	PT-12	PT-3(1)	PT-15	PT-16	PT-17
	LAB ID	152258	152156	152574	152704	152703	152157	152156	152647
	UNITS								
Phenol	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
2-Chlorophenol	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
1,3-Dichlorobenzene	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
1,4-Dichlorobenzene	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
Benzyl Alcohol	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
1,2-Dichlorobenzene	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
2-Methylphenol	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
bis(2-Chloroisopropyl) ether	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
4-Methylphenol	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
N-Nitroso-di-n-propylamine	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
Hexachloroethane	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
Nitrobenzene	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
Isophorone	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
2-Nitrophenol	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
2,4-Dimethylphenol	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
Benzoic acid	ug/L	54 U	52 U	55 U	55 U	55 U	60 U	58 U	54 U
bis(2-Chloroethyl) methane	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
2,4-Dichlorophenol	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
Naphthalene	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
4-Chloroaniline	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
Hexachlorobutadiene	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
2-Methylnaphthalene	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
2,4,5-Trichlorophenol	ug/L	54 U	52 U	55 U	55 U	55 U	60 U	58 U	54 U
2-Chloronaphthalene	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
2-Nitroaniline	ug/L	54 U	52 U	55 U	55 U	55 U	60 U	58 U	54 U
Dimethylphthalate	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
Acenaphthylene	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	11 U	11 U	11 U	12 U	11 U	11 U

**ASH LANDFILL
GROUNDWATER SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	WATER PT-18	WATER PT-19	WATER PT-20	WATER PT-20	WATER PT-21	WATER PT-22	WATER PT-23	WATER PT-24
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/08/92	01/17/92	01/17/92	01/17/92	01/25/92CK	01/08/92	01/14/92	01/14/92
	MAIN ID	PT-18	PT-19	PT-20(2,3)	PT-20FE(23,4)	PT-21	PT-22	PT-23	PT-24
	LAB ID	152159	152705	152706	152708	153059	152160	152508	152507
COMPOUND	UNITS								
Phenol	ug/L	11 U	11 U	25 L	10 U	10 U	11 U	12 U	11 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
2-Chlorophenol	ug/L	11 U	11 U	34 L	10 U	10 U	11 U	12 U	11 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
Benzyl Alcohol	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
2-Methylphenol	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
bis(2-Chloroisopropyl) ether	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
4-Methylphenol	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
N-Nitroso-di-n-propylamine	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
Hexachloroethane	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
Nitrobenzene	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
Isophorone	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
2-Nitrophenol	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
2,4-Dimethylphenol	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
Benzoic acid	ug/L	57 U	55 U	54 U	50 U	50 U	54 U	61 U	55 U
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
2,4-Dichlorophenol	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
Naphthalene	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
4-Chloroaniline	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
Hexachlorobutadiene	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	21 L	10 U	10 U	11 U	12 U	11 U
2-Methylnaphthalene	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
2,4,5-Trichlorophenol	ug/L	57 U	55 U	54 U	50 U	50 U	54 U	61 U	55 U
2-Chloronaphthalene	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
2-Nitroaniline	ug/L	57 U	55 U	54 U	50 U	50 U	54 U	61 U	55 U
Dimethylphalate	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
Acenaphthylene	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	11 U	10 U	10 U	11 U	12 U	11 U

**ASH LANDFILL
GROUNDWATER SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	PT-25	PT-26	MW-27	MW-28	MW-28	MW-29	MW-30	MW-31
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/15/92	01/17/92	01/15/92	01/15/92	01/15/92	01/15/92	01/16/92	01/16/92
	MAIN ID	PT-25	PT-26	MW-27	MW-28	PT-2(1)	MW-29	MW-30	MW-31
	LAB ID	152575	152708	152570	152571	152573	152572	152842	152843
	UNITS								
Phenol	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
2-Chlorophenol	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
Benzyl Alcohol	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
2-Methylphenol	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
bis(2-Chloroisopropyl) ether	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
4-Methylphenol	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
N-Nitroso-d-n-propylamine	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
Hexachloroethane	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
Nitrobenzene	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
Isophorone	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
2-Nitrophenol	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
2,4-Dimethylphenol	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
Benzoic acid	ug/L	55 U	55 U	61 U	54 U	55 U	55 U	55 U	52 U
bis(2-Chloroethyl) methane	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
2,4-Dichlorophenol	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
Naphthalene	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
4-Chloroaniline	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
Hexachlorobutadiene	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
2-Methylnaphthalene	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	55 U	55 U	61 U	54 U	55 U	55 U	55 U	52 U
2-Chloronaphthalene	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
2-Nitroaniline	ug/L	55 U	55 U	61 U	54 U	55 U	55 U	55 U	52 U
Dimethylphalate	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
Acenaphthylene	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	12 U	11 U	11 U	11 U	11 U	10 U

**ASH LANDFILL
GROUNDWATER SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	WATER MW-32	WATER MW-33	WATER MW-34	WATER MW-35D	WATER MW-36	WATER MW-37	WATER MW-38D	WATER MW-39
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/16/92	01/16/92	01/10/92	01/14/92	01/14/92	01/10/92	01/08/92	01/14/92
	MAIN ID	MW-32	MW-33	MW-34	MW-35D	MW-36	MW-37	MW-38D	MW-39
	LAB ID	152644	152645	152257	152503	150504	152258	152154	152505
COMPOUND	UNITS								
Phenol	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
bis(2-Chloroethyl) ether	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
2-Chlorophenol	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
1,3-Dichlorobenzene	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Benzyl Alcohol	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
1,2-Dichlorobenzene	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
2-Methylphenol	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
bis(2-Chloropropyl) ether	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
4-Methylphenol	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
N-Nitroso-d-n-propylamine	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Hexachloroethane	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Nitrobenzene	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Isophorone	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
2-Nitrophenol	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
2,4-Dimethylphenol	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Benzoic acid	ug/L	50 U	55 U	54 U	50 U	60 U	55 U	60 U	55 U
bis(2-Chloroethoxy) methane	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
2,4-Dichlorophenol	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Naphthalene	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
4-Chloroaniline	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Hexachlorobutadiene	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
2-Methylnaphthalene	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
2,4,5-Trichlorophenol	ug/L	50 U	55 U	54 U	50 U	60 U	55 U	60 U	55 U
2-Chloronaphthalene	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
2-Nitroaniline	ug/L	50 U	55 U	54 U	50 U	60 U	55 U	60 U	55 U
Dimethylphthalate	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Acenaphthylene	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
2,6-Dinitrotoluene	ug/L	10 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U

**ASH LANDFILL
GROUNDWATER SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	WATER MW-40 N/A 01/09/92 MW-40 152155	WATER MW-41D N/A 01/13/92 MW-41D 152408	WATER MW-42D N/A 01/13/92 MW-42D 152410
Phenol	ug/L	11 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U	10 U
2-Chlorophenol	ug/L	11 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U	10 U
Benzyl Alcohol	ug/L	11 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U	10 U
2-Methylphenol	ug/L	11 U	10 U	10 U
bis(2-Chloroisopropyl) ether	ug/L	11 U	10 U	10 U
4-Methylphenol	ug/L	11 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	10 U	10 U
Hexachloroethane	ug/L	11 U	10 U	10 U
Nitrobenzene	ug/L	11 U	10 U	10 U
Isophorone	ug/L	11 U	10 U	10 U
2-Nitrophenol	ug/L	11 U	10 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U	10 U
Benzic acid	ug/L	56 U	52 U	52 U
bis(2-Chloroethyl) methane	ug/L	11 U	10 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U	10 U
Naphthalene	ug/L	11 U	10 U	10 U
4-Chloroaniline	ug/L	11 U	10 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	56 U	52 U	52 U
2-Chloronaphthalene	ug/L	11 U	10 U	10 U
2-Nitroaniline	ug/L	56 U	52 U	52 U
Dimethylphalate	ug/L	11 U	10 U	10 U
Acenaphthylene	ug/L	11 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	10 U

**ASH LANDFILL
GROUNDWATER SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	PT-10	PT-11	PT-12	PT-12	PT-15	PT-16	PT-17	PT-18
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/08/92	01/15/92	01/17/92	01/17/92	01/10-13/92	01/08/92	01/18/92	01/08/92
	MAIN ID	PT-10	PT-11	PT-12	PT-3(1)	PT-15	PT-16	PT-17	PT-18
	LAB ID	152156	152574	152704	152703	152157	152158	152647	152159
COMPOUND	UNITS								
3-Nitroaniline	ug/L	52 U	55 U	55 U	55 U	60 U	58 U	54 U	57 U
Acenaphthene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
2,4-Dinitrophenol	ug/L	52 U	55 U	55 U	55 U	60 U	58 U	54 U	57 U
4-Nitrophenol	ug/L	52 U	55 U	55 U	55 U	60 U	58 U	54 U	57 U
Dibenzofuran	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Diethylphthalate	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
4-Chlorophenyl-phenylether	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Fluorene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
4-Nitroaniline	ug/L	52 U	55 U	55 U	55 U	60 U	58 U	54 U	57 U
4,6-Dinitro-2-methylphenol	ug/L	52 U	55 U	55 U	55 U	60 U	58 U	54 U	57 U
N-Nitrosodiphenylamine (1)	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
4-Bromophenyl-phenylether	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Hexachlorobenzene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Pentachlorophenol	ug/L	52 U	55 U	55 U	55 U	60 U	58 U	54 U	57 U
Phenanthrene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Anthracene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Di-n-butylphthalate	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Fluoranthene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Pyrene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Butylbenzylphthalate	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
3,3'-Dichlorobenzidine	ug/L	21 U	22 U	22 U	22 U	24 U	22 U	21 U	23 U
Benzo(a)anthracene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Chrysene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	11 U	30 B	11 U	12 U	11 U	20 B	5 BU
Di-n-octylphthalate	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Benzo(b)fluoranthene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
benzo(k)fluoranthene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Benzo(a)pyrene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U

**ASH LANDFILL
GROUNDWATER SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	PT-19	PT-20	PT-20	PT-21	PT-22	PT-23	PT-24	PT-25
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/17/92	01/17/92	01/17/92	01/22/92	01/09/92	01/14/92	01/14/92	01/15/92
	MAIN ID	PT-19	PT-20(2,3)	PT-20RE(2)	PT-21	PT-22	PT-23	PT-24	PT-25
	LAB ID	152705	152706	152706	153059	152160	152506	152507	152575
	UNITS								
3-Nitroaniline	ug/L	55 U	54 U	50 U	50 U	54 U	61 U	55 U	55 U
Acenaphthene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
2,4-Dinitrophenol	ug/L	55 U	54 U	50 U	50 U	54 U	61 U	55 U	55 U
4-Nitrophenol	ug/L	55 U	9 JL	50 U	50 U	54 U	61 U	55 U	55 U
Dibenzofuran	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Diethylphthalate	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Fluorene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
4-Nitroaniline	ug/L	55 U	54 U	50 U	50 U	54 U	61 U	55 U	55 U
4,6-Dinitro-2-methylphenol	ug/L	55 U	54 U	50 U	50 U	54 U	61 U	55 U	55 U
N-Nitrosodiphenylamine (1)	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
4-Bromophenyl-phenylether	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Hexachlorobenzene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Pentachlorophenol	ug/L	55 U	3 JL	50 U	50 U	54 U	61 U	55 U	55 U
Phenanthrene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Anthracene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Di-n-butylphthalate	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Fluoranthene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Pyrene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Butylbenzylphthalate	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
3,3'-Dichlorobenzidine	ug/L	22 U	22 U	20 U	20 U	22 U	24 U	22 U	22 U
Benzo(a)anthracene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Chrysene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	11 U	10 U	39 B	11 U	12 U	11 U	11 U
Di-n-octylphthalate	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
benzo(k)fluoranthene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Benzo(a)pyrene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Dibenz(a,h)anthracene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	10 U	10 U	11 U	12 U	11 U	11 U

**ASH LANDFILL
GROUNDWATER SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
	LOCATION	PT-28	MW-27	MW-28	MW-28	MW-29	MW-29	MW-30	MW-31	MW-32
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/17/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/18/92	01/18/92	01/18/92
	MAIN ID	PT-28	MW-27	MW-28	PT-2(1)	MW-29	MW-30	MW-31	MW-31	MW-32
	LAB ID	152708	152570	152571	152573	152572	152842	152843	152844	152844
	UNITS									
3-Nitroaniline	ug/L	55 U	81 U	54 U	55 U	55 U	58 U	52 U	50 U	
Acenaphthene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
2,4-Dinitrophenol	ug/L	55 U	81 U	54 U	55 U	55 U	58 U	52 U	50 U	
4-Nitrophenol	ug/L	55 U	81 U	54 U	55 U	55 U	58 U	52 U	50 U	
Dibenzofuran	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
2,4-Dinitrotoluene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Diethylphthalate	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
4-Chlorophenyl-phenylether	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Fluorene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
4-Nitroaniline	ug/L	55 U	81 U	54 U	55 U	55 U	58 U	52 U	50 U	
4,6-Dinitro-2-methylphenol	ug/L	55 U	81 U	54 U	55 U	55 U	58 U	52 U	50 U	
N-Nitrosodiphenylamine (1)	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
4-Bromophenyl-phenylether	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Hexachlorobenzene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Pentachlorophenol	ug/L	55 U	81 U	54 U	55 U	55 U	58 U	52 U	50 U	
Phenanthrene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Anthracene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Di-n-butylphthalate	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Fluoranthene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Pyrene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Butylbenzylphthalate	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
3,3'-Dichlorobenzidine	ug/L	22 U	25 U	22 U	22 U	22 U	23 U	21 U	20 U	
Benzo(a)anthracene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Chrysene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
bis(2-Ethylhexyl)phthalate	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Di-n-octylphthalate	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Benzo(b)fluoranthene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
benzo(k)fluoranthene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Benzo(a)pyrene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Indeno(1,2,3-cd)pyrene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Dibenz(a,h)anthracene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	
Benzo(g,h,i)perylene	ug/L	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	

**ASH LANDFILL
GROUNDWATER SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	MW-33	MW-34	MW-34	MW-35D	MW-36	MW-37	MW-38D	MW-39
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/16/92	01/10/92	01/10/92	01/14/92	01/14/92	01/10/92	01/08/92	01/14/92
	MAIN ID	MW-33	MW-34	PT-1(1)	MW-35D	MW-36	MW-37	MW-38D	MW-39
	LAB ID	152645	152257	152259	152503	150504	152258	152154	152505
	UNITS								
3-Nitroaniline	ug/L	55 U	54 U	54 U	50 U	60 U	55 U	60 U	56 U
Acenaphthene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
2,4-Dinitrophenol	ug/L	55 U	54 U	54 U	50 U	60 U	55 U	60 U	56 U
4-Nitrophenol	ug/L	55 U	54 U	54 U	50 U	60 U	55 U	60 U	56 U
Dibenzofuran	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Diethylphthalate	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Fluorene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
4-Nitroaniline	ug/L	55 U	54 U	54 U	50 U	60 U	55 U	60 U	56 U
4,6-Dinitro-2-methylphenol	ug/L	55 U	54 U	54 U	50 U	60 U	55 U	60 U	56 U
N-Nitrosodiphenylamine (1)	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
4-Bromophenyl-phenylether	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Hexachlorobenzene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Pentachlorophenol	ug/L	55 U	54 U	54 U	50 U	60 U	55 U	60 U	56 U
Phenanthrene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Anthracene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Di-n-butylphthalate	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Fluoranthene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Pyrene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Butylbenzylphthalate	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
3,3'-Dichlorobenzidine	ug/L	22 U	21 U	22 U	20 U	24 U	22 U	24 U	22 U
Benzo(a)anthracene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Chrysene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Di-n-octylphthalate	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
benzo(k)fluoranthene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Benzo(a)pyrene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Dibenz(a,h)anthracene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	11 U	10 U	12 U	11 U	12 U	11 U

**ASH LANDFILL
GROUNDWATER SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	WATER MW-40 N/A 01/09/92 MW-40 152155	WATER MW-41D N/A 01/13/92 MW-41D 152409	WATER MW-42D N/A 01/13/92 MW-42D 152410
3-Nitroaniline	ug/L	58 U	52 U	52 U
Acenaphthene	ug/L	11 U	10 U	10 U
2,4-Dinitrophenol	ug/L	58 U	52 U	52 U
4-Nitrophenol	ug/L	58 U	52 U	52 U
Dibenzofuran	ug/L	11 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	10 U
Diethylphthalate	ug/L	11 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U	10 U
Fluorene	ug/L	11 U	10 U	10 U
4-Nitroaniline	ug/L	58 U	52 U	52 U
4,6-Dinitro-2-methylphenol	ug/L	58 U	52 U	52 U
N-Nitrosodiphenylamine (1)	ug/L	11 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U	10 U
Pentachlorophenol	ug/L	58 U	52 U	52 U
Phenanthrene	ug/L	11 U	10 U	10 U
Anthracene	ug/L	11 U	10 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U	10 U
Fluoranthene	ug/L	11 U	10 U	10 U
Pyrene	ug/L	11 U	10 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	22 U	21 U	21 U
Benzo(a)anthracene	ug/L	11 U	10 U	10 U
Chrysene	ug/L	11 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	10 U	10 U
Di-n-octylphthalate	ug/L	11 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U	10 U
benzo(k)fluoranthene	ug/L	11 U	10 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U	10 U

**ASH LANDFILL
GROUNDWATER PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	PT-10	PT-10	PT-11	PT-12	PT-12	PT-12	PT-15	PT-15
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/08/92	01/08/92	01/15/92	01/17/92	01/17/92	01/17/92	01/10-13/9;	01/10-13/9;
	MAIN ID	PT-1(1)	PT-10(2)	PT-11	PT-12	PT-3(1)	PT-15	PT-15RE(4;	PT-16
	LAB ID	152259	152158	152574	152704	152703	152411	152411	152158
	UNITS								
alpha-BHC	ug/L	0.068 U	0.06 U	0.065 U	0.053 U	0.058 U	0.05 U	0.05 U	0.05 U
beta-BHC	ug/L	0.058 U	0.05 U	0.065 U	0.053 U	0.058 U	0.05 U	0.05 U	0.05 U
delta-BHC	ug/L	0.068 U	0.05 U	0.065 U	0.053 U	0.058 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	ug/L	0.058 U	0.05 U	0.055 U	0.053 U	0.058 U	0.05 U	0.05 U	0.05 U
Heptachlor	ug/L	0.058 U	0.05 U	0.065 U	0.053 U	0.058 U	0.05 U	0.05 U	0.05 U
Aldrin	ug/L	0.058 U	0.05 U	0.065 U	0.053 U	0.058 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	ug/L	0.068 U	0.05 U	0.065 U	0.053 U	0.058 U	0.05 U	0.05 U	0.05 U
Endosulfan I	ug/L	0.058 U	0.05 U	0.065 U	0.053 U	0.058 U	0.05 U	0.05 U	0.05 U
Dieldrin	ug/L	0.12 U	0.1 U	0.11 U	0.11 U	0.12 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.12 U	0.1 U	0.11 U	0.11 U	0.12 U	0.1 U	0.1 U	0.1 U
Endrin	ug/L	0.12 U	0.1 U	0.11 U	0.11 U	0.12 U	0.1 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.12 U	0.1 U	0.11 U	0.11 U	0.12 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.12 U	0.1 U	0.11 U	0.11 U	0.12 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.12 U	0.1 U	0.11 U	0.11 U	0.12 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.12 U	0.1 U	0.11 U	0.11 U	0.12 U	0.1 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.58 U	0.5 U	0.55 U	0.53 U	0.58 U	0.5 U	0.5 U	0.5 U
Endrin ketone	ug/L	0.12 U	0.1 U	0.11 U	0.11 U	0.12 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.58 U	0.5 U	0.55 U	0.53 U	0.58 U	0.5 U	0.5 U	0.5 U
gamma-Chlordane	ug/L	0.58 U	0.5 U	0.55 U	0.53 U	0.58 U	0.5 U	0.5 U	0.5 U
Toxaphene	ug/L	1.2 U	1 U	1.1 U	1.1 U	1.2 U	1 U	1 U	1 U
Aroclor-1018	ug/L	0.58 U	0.5 U	0.55 U	0.53 U	0.58 U	0.5 U	0.5 U	0.5 U
Aroclor-1221	ug/L	0.58 U	0.5 U	0.55 U	0.53 U	0.58 U	0.5 U	0.5 U	0.5 U
Aroclor-1232	ug/L	0.58 U	0.5 U	0.55 U	0.53 U	0.58 U	0.5 U	0.5 U	0.5 U
Aroclor-1242	ug/L	0.58 U	0.5 U	0.55 U	0.53 U	0.58 U	0.5 U	0.5 U	0.5 U
Aroclor-1248	ug/L	0.58 U	0.5 U	0.55 U	0.53 U	0.58 U	0.5 U	0.5 U	0.5 U
Aroclor-1254	ug/L	1.2 U	1 U	1.1 U	1.1 U	1.2 U	1 U	1 U	1 U
Aroclor-1260	ug/L	1.2 U	1 U	1.1 U	1.1 U	1.2 U	1 U	1 U	1 U

**ASH LANDFILL
GROUNDWATER PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	PT-17	PT-18	PT-19	PT-20	PT-22	PT-23	PT-24	PT-25
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/18/92	01/09/92	01/17/92	01/17/92	01/09/92	01/14/92	01/14/92	01/15/92
	MAIN ID	PT-17	PT-18	PT-19	PT-20(2,3)	PT-22	PT-23	PT-24	PT-25
	LAB ID	152647	152159	152705	152708	152160	152508	152507	152575
	UNITS								
alpha-BHC	ug/L	0.055 U	0.052 U	0.081 U	0.055 U	0.052 U	0.081 U	0.057 U	0.054 U
beta-BHC	ug/L	0.055 U	0.052 U	0.081 U	0.055 U	0.052 U	0.081 U	0.057 U	0.054 U
delta-BHC	ug/L	0.055 U	0.052 U	0.081 U	0.055 U	0.052 U	0.081 U	0.057 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.055 U	0.052 U	0.081 U	0.055 U	0.052 U	0.081 U	0.057 U	0.054 U
Heptachlor	ug/L	0.055 U	0.052 U	0.081 U	0.055 U	0.052 U	0.081 U	0.057 U	0.054 U
Aldrin	ug/L	0.055 U	0.052 U	0.081 U	0.055 U	0.052 U	0.081 U	0.057 U	0.054 U
Heptachlor epoxide	ug/L	0.055 U	0.052 U	0.081 U	0.055 U	0.052 U	0.081 U	0.057 U	0.054 U
Endosulfan I	ug/L	0.055 U	0.052 U	0.081 U	0.055 U	0.052 U	0.081 U	0.057 U	0.054 U
Dieldrin	ug/L	0.11 U	0.1 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U	0.11 U
4,4'-DDE	ug/L	0.11 U	0.1 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U	0.11 U
Endrin	ug/L	0.11 U	0.1 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U	0.11 U
Endosulfan II	ug/L	0.11 U	0.1 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U	0.11 U
4,4'-DDD	ug/L	0.11 U	0.1 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U	0.11 U
Endosulfan sulfate	ug/L	0.11 U	0.1 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U	0.11 U
4,4'-DDT	ug/L	0.11 U	0.1 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U	0.11 U
Methoxychlor	ug/L	0.55 U	0.52 U	0.81 U	0.55 U	0.52 U	0.81 U	0.57 U	0.54 U
Endrin ketone	ug/L	0.11 U	0.1 U	0.12 U	0.11 U	0.1 U	0.12 U	0.11 U	0.11 U
alpha-Chlordane	ug/L	0.55 U	0.52 U	0.81 U	0.55 U	0.52 U	0.81 U	0.57 U	0.54 U
gamma-Chlordane	ug/L	0.55 U	0.52 U	0.81 U	0.55 U	0.52 U	0.81 U	0.57 U	0.54 U
Toxaphene	ug/L	1.1 U	1 U	1.2 U	1.1 U	1 U	1.2 U	1.1 U	1.1 U
Aroclor-1016	ug/L	0.55 U	0.52 U	0.81 U	0.55 U	0.52 U	0.81 U	0.57 U	0.54 U
Aroclor-1221	ug/L	0.55 U	0.52 U	0.81 U	0.55 U	0.52 U	0.81 U	0.57 U	0.54 U
Aroclor-1232	ug/L	0.55 U	0.52 U	0.81 U	0.55 U	0.52 U	0.81 U	0.57 U	0.54 U
Aroclor-1242	ug/L	0.55 U	0.52 U	0.81 U	0.55 U	0.52 U	0.81 U	0.57 U	0.54 U
Aroclor-1248	ug/L	0.55 U	0.52 U	0.81 U	0.55 U	0.52 U	0.81 U	0.57 U	0.54 U
Aroclor-1254	ug/L	1.1 U	1 U	1.2 U	1.1 U	1 U	1.2 U	1.1 U	1.1 U
Aroclor-1260	ug/L	1.1 U	1 U	1.2 U	1.1 U	1 U	1.2 U	1.1 U	1.1 U

**ASH LANDFILL
GROUNDWATER PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
	LOCATION	PT-28	MW-27	MW-28	MW-28	MW-28	MW-28	MW-29	MW-30	MW-31
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/17/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/16/92	01/16/92
	MAIN ID	PT-28	MW-27	MW-28	MW-28RE(PT-2(1)	MW-29	MW-30	MW-31	MW-31
	LAB ID	152708	152570	152571	152571	152573	152572	152642	152643	152643
	UNITS									
alpha-BHC	ug/L	0.050 U	0.055 U	0.055 U	0.051 U	0.054 U	0.055 U	0.051 U	0.05 U	
beta-BHC	ug/L	0.050 U	0.055 U	0.055 U	0.051 U	0.054 U	0.055 U	0.051 U	0.05 U	
delta-BHC	ug/L	0.050 U	0.055 U	0.055 U	0.051 U	0.054 U	0.055 U	0.051 U	0.05 U	
gamma-BHC (Lindane)	ug/L	0.050 U	0.055 U	0.055 U	0.051 U	0.054 U	0.055 U	0.051 U	0.05 U	
Heptachlor	ug/L	0.050 U	0.055 U	0.055 U	0.051 U	0.054 U	0.055 U	0.051 U	0.05 U	
Aldrin	ug/L	0.050 U	0.055 U	0.055 U	0.051 U	0.054 U	0.055 U	0.051 U	0.05 U	
Heptachlor epoxide	ug/L	0.050 U	0.055 U	0.055 U	0.051 U	0.054 U	0.055 U	0.051 U	0.05 U	
Endosulfan I	ug/L	0.050 U	0.055 U	0.055 U	0.051 U	0.054 U	0.055 U	0.051 U	0.05 U	
Dieldrin	ug/L	0.12 U	0.11 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	
4,4'-DDE	ug/L	0.12 U	0.11 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	
Endrin	ug/L	0.12 U	0.11 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	
Endosulfan II	ug/L	0.12 U	0.11 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	
4,4'-DDD	ug/L	0.12 U	0.11 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	
Endosulfan sulfate	ug/L	0.12 U	0.11 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	
4,4'-DDT	ug/L	0.12 U	0.11 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	
Methoxychlor	ug/L	0.50 U	0.55 U	0.55 U	0.51 U	0.54 U	0.55 U	0.51 U	0.5 U	
Endrin ketone	ug/L	0.12 U	0.11 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	
alpha-Chlordane	ug/L	0.50 U	0.55 U	0.55 U	0.51 U	0.54 U	0.55 U	0.51 U	0.5 U	
gamma-Chlordane	ug/L	0.50 U	0.55 U	0.55 U	0.51 U	0.54 U	0.55 U	0.51 U	0.5 U	
Toxaphene	ug/L	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	
Aroclor-1018	ug/L	0.50 U	0.55 U	0.55 U	0.51 U	0.54 U	0.55 U	0.51 U	0.5 U	
Aroclor-1221	ug/L	0.50 U	0.55 U	0.55 U	0.51 U	0.54 U	0.55 U	0.51 U	0.5 U	
Aroclor-1232	ug/L	0.50 U	0.55 U	0.55 U	0.51 U	0.54 U	0.55 U	0.51 U	0.5 U	
Aroclor-1242	ug/L	0.50 U	0.55 U	0.55 U	0.51 U	0.54 U	0.55 U	0.51 U	0.5 U	
Aroclor-1248	ug/L	0.50 U	0.55 U	0.55 U	0.51 U	0.54 U	0.55 U	0.51 U	0.5 U	
Aroclor-1254	ug/L	1.2 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1 U	1 U	
Aroclor-1260	ug/L	1.2 U	1.1 U	3.6	1 U	1.1 U	1.1 U	1 U	1 U	

**ASH LANDFILL
GROUNDWATER PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
	LOCATION	MW-32	MW-33	MW-34	MW-35D	MW-36	MW-36	MW-36	MW-37	MW-36D
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/18/92	01/18/92	01/10/92	01/14/92	01/14/92	01/14/92	01/14/92	01/10/92	01/08/92
	MAIN ID	MW-32	MW-33	MW-34	MW-35D	MW-36	MW-36	MW-36RE(MW-37	MW-36D
	LAB ID	152644	152645	152257	152503	152504	152504	152504	152256	152154
	UNITS									
alpha-BHC	ug/L	0.05 U	0.056 U	0.057 U	0.06 U	0.054 U	0.052 U	0.061 U	0.05 U	
beta-BHC	ug/L	0.05 U	0.056 U	0.057 U	0.06 U	0.054 U	0.052 U	0.061 U	0.05 U	
delta-BHC	ug/L	0.05 U	0.056 U	0.057 U	0.06 U	0.054 U	0.052 U	0.061 U	0.05 U	
gamma-BHC (Lindane)	ug/L	0.05 U	0.056 U	0.057 U	0.06 U	0.054 U	0.052 U	0.061 U	0.05 U	
Heptachlor	ug/L	0.05 U	0.056 U	0.057 U	0.06 U	0.054 U	0.052 U	0.061 U	0.05 U	
Aldrin	ug/L	0.05 U	0.056 U	0.057 U	0.06 U	0.054 U	0.052 U	0.061 U	0.05 U	
Heptachlor epoxide	ug/L	0.05 U	0.056 U	0.057 U	0.06 U	0.054 U	0.052 U	0.061 U	0.05 U	
Endosulfan I	ug/L	0.05 U	0.056 U	0.057 U	0.06 U	0.054 U	0.052 U	0.061 U	0.05 U	
Dieldrin	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	0.12 U	0.1 U	
4,4'-DDE	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	0.12 U	0.1 U	
Endrin	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	0.12 U	0.1 U	
Endosulfan II	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	0.12 U	0.1 U	
4,4'-DDD	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	0.12 U	0.1 U	
Endosulfan sulfate	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	0.12 U	0.1 U	
4,4'-DDT	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	0.12 U	0.1 U	
Methoxychlor	ug/L	0.5 U	0.56 U	0.57 U	0.6 U	0.54 U	0.52 U	0.61 U	0.5 U	
Endrin ketone	ug/L	0.1 U	0.11 U	0.11 U	0.12 U	0.11 U	0.1 U	0.12 U	0.1 U	
alpha-Chlordane	ug/L	0.5 U	0.56 U	0.57 U	0.6 U	0.54 U	0.52 U	0.61 U	0.5 U	
gamma-Chlordane	ug/L	0.5 U	0.56 U	0.57 U	0.6 U	0.54 U	0.52 U	0.61 U	0.5 U	
Toxaphene	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.2 U	1 U	
Aroclor-1016	ug/L	0.5 U	0.56 U	0.57 U	0.6 U	0.54 U	0.52 U	0.61 U	0.5 U	
Aroclor-1221	ug/L	0.5 U	0.56 U	0.57 U	0.6 U	0.54 U	0.52 U	0.61 U	0.5 U	
Aroclor-1232	ug/L	0.5 U	0.56 U	0.57 U	0.6 U	0.54 U	0.52 U	0.61 U	0.5 U	
Aroclor-1242	ug/L	0.5 U	0.56 U	0.57 U	0.6 U	0.54 U	0.52 U	0.61 U	0.5 U	
Aroclor-1248	ug/L	0.5 U	0.56 U	0.57 U	0.6 U	0.54 U	0.52 U	0.61 U	0.5 U	
Aroclor-1254	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.2 U	1 U	
Aroclor-1260	ug/L	1 U	1.1 U	1.1 U	1.2 U	1.1 U	1 U	1.2 U	1 U	

**ASH LANDFILL
GROUNDWATER PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	MW-39	MW-40	MW-41D	MW-41D	MW-42D	MW-42D
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/14/92	01/10/92	01/13/92	01/13/92	01/13/92	01/13/92
	MAIN ID	MW-39	MW-40	MW-41D	MW-41DRE	MW-42D	MW-42DRE(4)
	LAB ID	152505	152155	152409	152409	152410	152410
	UNITS						
alpha-BHC	ug/L	0.068 U	0.05 U	0.057 U	0.071 U	0.053 U	0.052 U
beta-BHC	ug/L	0.058 U	0.05 U	0.057 U	0.071 U	0.053 U	0.052 U
delta-BHC	ug/L	0.058 U	0.05 U	0.067 U	0.071 U	0.053 U	0.052 U
gamma-BHC (Undane)	ug/L	0.058 U	0.05 U	0.057 U	0.071 U	0.053 U	0.052 U
Heptachlor	ug/L	0.058 U	0.05 U	0.057 U	0.071 U	0.053 U	0.052 U
Aldrin	ug/L	0.058 U	0.05 U	0.057 U	0.071 U	0.053 U	0.052 U
Heptachlor epoxide	ug/L	0.058 U	0.05 U	0.057 U	0.071 U	0.053 U	0.052 U
Endosulfan I	ug/L	0.058 U	0.05 U	0.057 U	0.071 U	0.053 U	0.052 U
Dieldrin	ug/L	0.11 U	0.1 U	0.11 U	0.14 U	0.11 U	0.1 U
4,4'-DDE	ug/L	0.11 U	0.1 U	0.11 U	0.14 U	0.11 U	0.1 U
Endrin	ug/L	0.11 U	0.1 U	0.11 U	0.14 U	0.11 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.1 U	0.11 U	0.14 U	0.11 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.1 U	0.11 U	0.14 U	0.11 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.1 U	0.11 U	0.14 U	0.11 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.1 U	0.11 U	0.14 U	0.11 U	0.1 U
Methoxychlor	ug/L	0.58 U	0.5 U	0.57 U	0.71 U	0.53 U	0.52 U
Endrin ketone	ug/L	0.11 U	0.1 U	0.11 U	0.14 U	0.11 U	0.1 U
alpha-Chlordane	ug/L	0.58 U	0.5 U	0.57 U	0.71 U	0.53 U	0.52 U
gamma-Chlordane	ug/L	0.58 U	0.5 U	0.57 U	0.71 U	0.53 U	0.52 U
Toxaphene	ug/L	1.1 U	1 U	1.1 U	1.4 U	1.1 U	1 U
Aroclor-1018	ug/L	0.58 U	0.5 U	0.57 U	0.71 U	0.53 U	0.52 U
Aroclor-1221	ug/L	0.58 U	0.5 U	0.57 U	0.71 U	0.53 U	0.52 U
Aroclor-1232	ug/L	0.58 U	0.5 U	0.57 U	0.71 U	0.53 U	0.52 U
Aroclor-1242	ug/L	0.58 U	0.5 U	0.57 U	0.71 U	0.53 U	0.52 U
Aroclor-1248	ug/L	0.58 U	0.5 U	0.57 U	0.71 U	0.53 U	0.52 U
Aroclor-1254	ug/L	1.1 U	1 U	1.1 U	1.4 U	1.1 U	1 U
Aroclor-1260	ug/L	1.1 U	1 U	1.1 U	1.4 U	1.1 U	1 U

**ASH LANDFILL
GROUNDWATER INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DEPTH	PT-10	PT-10	PT-11	PT-11	PT-12	PT-12	PT-12	PT-12
	DATE	01/08/92	01/08/92	01/15/92	01/15/92	01/17/92	01/17/92	01/17/92	01/17/92
	MAIN ID	PT-10(2)	PT-10(2)	PT-11	PT-11	PT-12	PT-12	PT-3(1)	PT-3(1)
	LAB ID	152156	152199	152574	152593	152704	152711	152703	152710
	UNITS								
Aluminum	ug/L	98.1 U	24.4 U	2960	24.4 U	27300	24.5 U	18400	24.4 U
Antimony	ug/L	55.9 U	53 U	53.3 U	52.9 U	53.2 U	53.2 U	53.1 U	53 U
Arsenic	ug/L	3.5 U	3.5 U	3.5 U	3.5 U	4.5 B	3.5 U	7.5 B	3.5 U
Barium	ug/L	196 B	203	121 B	77 B	258	55.7 B	255	53.2 B
Beryllium	ug/L	1.4 B	2.6 B	2 B	1.3 B	2.3 B	1.1 U	1.9 B	1.1 U
Cadmium	ug/L	2.9 U	3 U	3 U	3 U	4.5 B	3 U	3.8 B	3 U
Calcium	ug/L	88500	86900	124000	114000	274000	180000	246000	175000
Chromium	ug/L	6.2 U	6.2 U	6.6 B	6.1 U	36.8	6.2 U	26.3	6.1 U
Cobalt	ug/L	20 U	20.3 U	20.5 U	20.3 U	20.4 U	20.4 U	20.4 U	20.3 U
Copper	ug/L	14.5 U	10.1 U	10.2 U	10.1 U	32.6	10.2 U	24.7 B	10.1 U
Iron	ug/L	109	6.9 U	3270	6.9 U	36400	7 U	28900	6.9 U
Lead	ug/L	1.2 U	1.4 B	1.2 U	1.2 U	16.9	1.2 U	10	1.2 U
Magnesium	ug/L	32700	39600	37300	33600	41800	20800	37000	20000
Manganese	ug/L	99.6	43.6	59.1	4.8 U	1270	4.8 U	970	4.8 U
Mercury	ug/L	0.13 B	0.09 B	0.09 B	0.1 B	0.03 U	0.03 U	0.03 U	0.03 U
Nickel	ug/L	16 U	14.7 U	14.6 U	14.7 U	46.3	14.7 U	30 B	14.7 U
Potassium	ug/L	1300 B	1830 B	3480 B	1880 B	8120	1800 B	5690	1430 B
Selenium	ug/L	1 U	1 U	1.3 U	1 U	1 U	1.7 B	1.3 B	1 U
Silver	ug/L	9.1 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Sodium	ug/L	37700	35900	40300	37600	33900	34900	33800	27200
Thallium	ug/L	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Vanadium	ug/L	30.5 U	9.4 U	9.5 U	9.4 U	35.6 B	9.5 U	25.3 B	9.4 U
Zinc	ug/L	19.2 B	6.4 U	18.5 B	8.4 U	201	22.3	159	24.5
Cyanide	ug/L	11.2		10 U		10 U		10 U	

**ASH LANDFILL
GROUNDWATER INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	DEPTH	PT-15	PT-15	PT-16	PT-16	PT-17	PT-17	PT-18	PT-18	PT-18
	DATE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	MAIN ID	PT-15	PT-15	PT-16	PT-16	PT-17	PT-17	PT-18	PT-18	PT-18
	LAB ID	152260	152293	152158	152200	152647	152671	152159	152201	152201
	UNITS									
Aluminum	ug/L	389	24.8 U	1520	24.4 U	14200	24.6 U	1510	24.4 U	24.4 U
Antimony	ug/L	55.8 U	53.4 U	53.4 U	53 U	53.3 B	53.4 U	55.5 U	52.9 U	52.9 U
Arsenic	ug/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 B	3.5 U	3.5 U	3.5 U	3.5 U
Barium	ug/L	93.5 B	79.7 B	75 B	36.6 B	131 B	69.5 B	53.9 B	37.4 B	37.4 B
Beryllium	ug/L	1.7 B	2.4 B	2.1 B	2.3 B	2.5 B	1.1 U	2.1 B	2.5 B	2.5 B
Cadmium	ug/L	2.9 U	3 U	2.9 U	3 U	3 U	3 U	2.9 U	3 U	3 U
Calcium	ug/L	58500	59700	129000	100000	115000	106000	329000	271000	271000
Chromium	ug/L	6.2 U	6.2 U	7.2 B	6.2 U	20	6.2 U	6.1 U	6.1 U	6.1 U
Cobalt	ug/L	19.9 U	20.5 U	19.9 U	20.4 U	20.3 U	20.5 U	19.8 U	20.3 U	20.3 U
Copper	ug/L	14.5 U	10.2 U	14.5 U	10.1 U	11.9 B	10.2 U	14.4 U	10.1 U	10.1 U
Iron	ug/L	673	7 U	2780	6.9 U	21500	7 U	2270	6.9 U	6.9 U
Lead	ug/L	1.2 U	1.2 U	4.2	1.2 U	6.3	1.2 U	17.6	1.2 U	1.2 U
Magnesium	ug/L	16000	17800	14300	14300	15700	10700	37000	39400	39400
Manganese	ug/L	60.8	6 B	483	4.8 U	520	4.8 U	1530	964	964
Mercury	ug/L	0.13 B	0.1 B	0.12 B	0.1 B	0.1 B	0.03 U	0.42	0.12 B	0.12 B
Nickel	ug/L	15.9 U	14.8 U	18 U	14.7 U	21.3 B	14.8 U	15.9 U	14.7 U	14.7 U
Potassium	ug/L	1620 B	2030 B	633 U	287 U	3200 B	289 U	2280 B	2010 B	2010 B
Selenium	ug/L	1 U	1 U	1 U	1 U	1.3 U	1 U	1 U	1 U	1 U
Silver	ug/L	9.1 U	3.4 U	9.1 U	3.4 U	3.4 U	3.4 U	9 U	4.3 B	4.3 B
Sodium	ug/L	29800	29800	5930	5890	29400	27800	114000	109000	109000
Thallium	ug/L	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Vanadium	ug/L	30.5 U	9.5 U	30.5 U	9.4 U	21.6 B	9.5 U	30.3 U	9.4 U	9.4 U
Zinc	ug/L	17.4 B	8.5 U	24.1	8.4 U	69.4	20.5	496	120	120
Cyanide	ug/L	10 U		10 U		10 U		10 U		

**ASH LANDFILL
GROUNDWATER INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	PT-19	PT-19	PT-20	PT-20	PT-21	PT-21	PT-22	PT-22	PT-22
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/17/92	01/17/92	01/17/92	01/17/92	01/23/92	01/23/92	01/09/92	01/09/92	01/09/92
	MAIN ID	PT-19	PT-19	PT-20(2,3)	PT-20(2,3)	PT-21	PT-21	PT-22	PT-22	PT-22
	LAB ID	152705	152712	152706	152713	153059	153060	152160	152202	152202
	UNITS									
Aluminum	ug/L	36100	24.5 U	10600	24.4 U	14200	24.4 U	4090	24.4 U	24.4 U
Antimony	ug/L	53.3 U	53.1 U	53.1 U	52.9 U	52.9 U	52.9 U	55.6 U	53 U	53 U
Arsenic	ug/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Barium	ug/L	217	59.4 B	124 B	85.3 B	230	106 B	146 B	42.4 B	42.4 B
Beryllium	ug/L	2.5 B	1.1 U	1.8 B	1.1 U	1.7 B	1.1 U	2.3 B	2.4 B	2.4 B
Cadmium	ug/L	6.1	3 U	3 U	3 U	4 B	3 U	2.9 U	3 U	3 U
Calcium	ug/L	110000	95300	145000	125000	185000	130000	197000	128000	128000
Chromium	ug/L	47.2	6.2 U	16.5	6.1 U	18.6	6.1 U	8.5 B	6.2 U	6.2 U
Cobalt	ug/L	20.5 U	20.4 U	20.4 U	20.3 U	20.3 U	20.3 U	19.9 U	20.4 U	20.4 U
Copper	ug/L	41.3	10.1 U	11.8 B	10.1 U	17.9 B	10.1 U	14.4 U	10.1 U	10.1 U
Iron	ug/L	48300	7 U	16000	8.1 B	20100	25.2 B	6010	6.9 U	6.9 U
Lead	ug/L	12.6	1.2 U	3.8	1.2 U	7	1.2 U	10.5	1.2 U	1.2 U
Magnesium	ug/L	24700	12900	17400	13600	34300	25600	16200	16000	16000
Manganese	ug/L	543	8.8 B	376	4.8 U	666	68.8	1140	4.8 U	4.8 U
Mercury	ug/L	0.04 B	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.16 B	0.12 B	0.12 B
Nickel	ug/L	60.7	14.7 U	17.1 B	14.7 U	19.6 B	14.7 U	15.9 U	14.7 U	14.7 U
Potassium	ug/L	7550	266 U	3440 B	655 B	6300	4780 B	632 U	380 B	380 B
Selenium	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	ug/L	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	9.1 U	3.4 U	3.4 U
Sodium	ug/L	19700	18300	35100	33900	47800	44400	52800	54100	54100
Thallium	ug/L	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Vanadium	ug/L	45.4 B	9.5 U	16.3 B	9.4 U	21.1 B	9.4 U	30.5 U	9.4 U	9.4 U
Zinc	ug/L	154	17.1 B	60.7	16.7 B	773	170	76.6	8.4 U	8.4 U
Cyanide	ug/L	10 U		10 U		10 U		10 U		

**ASH LANDFILL
GROUNDWATER INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	PT-23	PT-23	PT-24	PT-24	PT-25	PT-25	PT-25	PT-26	PT-26
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/14/92	01/14/92	01/14/92	01/14/92	01/15/92	01/15/92	01/15/92	01/17/92	01/17/92
	MAIN ID	PT-23	PT-23	PT-24	PT-24	PT-25	PT-25	PT-25	PT-26	PT-26
	LAB ID	152508	152511	152507	152512	152575	152584	152594	152708	152714
	UNITS									
Aluminum	ug/L	2000	24.4 U	18600	24.4 U	24000	24.5 U	306000	24.5 U	
Antimony	ug/L	53 U	53 U	53.1 U	53 U	52.9 U	53.3 U	83.8	53.1 U	
Arsenic	ug/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	
Barium	ug/L	45.4 B	34 B	132 B	45.7 B	135 B	50.9 B	1600	97.8 B	
Beryllium	ug/L	2.1 B	1.4 B	2.7 B	1.3 B	3 B	1.1 U	12.2	1.1 U	
Cadmium	ug/L	3 U	3 U	3 U	3 U	3.2 B	3 U	64.6	3 U	
Calcium	ug/L	98200	85200	135000	106000	75300	72100	1790000	83700	
Chromium	ug/L	6.6 B	6.2 U	27.1	6.2 U	32.2	6.2 U	418	6.2 U	
Cobalt	ug/L	20.4 U	20.4 U	20.4 U	20.4 U	20.3 U	20.4 U	196	20.4 U	
Copper	ug/L	10.1 U	10.1 U	11.1 B	10.1 U	22.5 B	10.2 U	412	10.1 U	
Iron	ug/L	2510	7 U	28000	7 U	39000	7 U	610000	7 U	
Lead	ug/L	1.2 U	1.2 U	9	1.2 U	5.6	1.2 U	103	1.2 U	
Magnesium	ug/L	11200	9510	19100	12200	16800	8220	267000	37600	
Manganese	ug/L	80.4	4.8 U	423	4.8 U	565	4.8 U	11400	4.8 U	
Mercury	ug/L	0.11 B	0.08 B	0.12 B	0.1 B	0.11 B	0.03 U	0.05 B	0.03 U	
Nickel	ug/L	14.7 U	14.7 U	28.1 B	14.7 U	40.6	14.8 U	622	14.7 U	
Potassium	ug/L	1080 B	904 B	4530 B	500 B	4620 B	289 U	23200	1080 B	
Selenium	ug/L	1.3 U	1 U	1.3 U	1.7 B	1.3 U	1 U	5 U	1.4 B	
Silver	ug/L	3.4 U	3.4 U	3.4 U	4.1 B	3.4 U	3.4 U	5.6 B	3.4 U	
Sodium	ug/L	4780 B	4940 B	14900	13600	15800	15000	40800	36800	
Thallium	ug/L	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	32 U	3.2 U	
Vanadium	ug/L	9.4 U	9.4 U	25.5 B	9.4 U	31.4 B	9.5 U	358	9.4 U	
Zinc	ug/L	47.8	14.7 B	92.9	6.4 U	119	19 B	1750	18 B	
Cyanide	ug/L	10 U		10 U		10 U		10 U		

**ASH LANDFILL
GROUNDWATER INORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	MW-27	MW-27	MW-27	MW-28	MW-28	MW-28	MW-28	MW-28	MW-29
	DEPTH	DEPTH	DEPTH	DEPTH	DEPTH	DEPTH	DEPTH	DEPTH	DEPTH
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92	01/15/92
	MAIN ID	MAIN ID	MAIN ID	MAIN ID	MAIN ID	MAIN ID	MAIN ID	MAIN ID	MAIN ID
	MW-27	MW-27	MW-28	MW-28	MW-28	PT-2(1)	PT-2(1)	MW-29	MW-29
	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
	152641	152666	152571	152590	152573	152592	152572	152591	152591
ANALYTE	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
Aluminum	ug/L	8590	24.4 U	41100	24.5 U	27000	24.5 U	85700	24.4 U
Antimony	ug/L	53.4 U	52.9 U	54.3 B	53.3 U	53 U	53.3 U	53.3 U	53 U
Arsenic	ug/L	3.5 U	3.5 U	4.4 B	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Barium	ug/L	90.8 B	59.9 B	200	41.1 B	154 B	39.4 B	418	46.8 B
Beryllium	ug/L	2.4 B	1.1 U	3.7 B	1.4 B	3.2 B	1.4 B	5.8	1.3 B
Cadmium	ug/L	3 U	3 U	6.1	3 U	5.2	3 U	17	3 U
Calcium	ug/L	102000	85300	170000	111000	152000	111000	248000	124000
Chromium	ug/L	10.4	6.1 U	53.1	6.2 U	34.6	6.2 U	122	6.2 U
Cobalt	ug/L	20.5 U	20.3 U	20.5 U	20.5 U	20.3 U	20.5 U	63.8	20.4 U
Copper	ug/L	10.2 U	10.1 U	33.9	10.2 U	27.6	10.2 U	111	10.1 U
Iron	ug/L	10500	8.9 U	60300	7 U	46500	7 U	159000	7 U
Lead	ug/L	3.2	1.2 U	10.7	1.2 U	8.9	1.2 U	39.4	1.2 U
Magnesium	ug/L	13800	10800	26600	123000	23400	11800	59400	14700
Manganese	ug/L	355	88	1510	4.8 U	1100	4.8 U	4110	4.8 U
Mercury	ug/L	0.11 B	0.03 U	0.11 B	0.11 B	0.11 B	0.1 B	0.14 B	0.09 B
Nickel	ug/L	14.8 U	14.7 U	72.5	14.8 U	62.9	14.8 U	182	14.7 U
Potassium	ug/L	4180 B	2400 B	6910	347 B	4020 B	289 U	10800	563 B
Selenium	ug/L	1.3 U	1 U	1.3 U	1 U	1.3 U	1 U	13 U	1.4 B
Silver	ug/L	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	4.5 B
Sodium	ug/L	26300	27200	9460	8580	9250	8570	26200	25000
Thallium	ug/L	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Vanadium	ug/L	10 B	9.4 U	46.7 B	9.5 U	32.7 B	9.5 U	96.3	9.4 U
Zinc	ug/L	35.9	22.1	165	8.5 U	124	8.5 U	503	8.4 U
Cyanide	ug/L	10 U		10 U		10 U		10 U	

**ASH LANDFILL
GROUNDWATER INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	MW-30	MW-30	MW-31	MW-31	MW-32	MW-32	MW-32	MW-33
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/16/92	01/16/92	01/16/92	01/16/92	01/16/92	01/16/92	01/16/92	01/16/92
	MAIN ID	MW-30	MW-30	MW-31	MW-31	MW-32	MW-32	MW-32	MW-33
	LAB ID	152642	152667	152643	152668	152644	152669	152645	152670
	UNITS								
Aluminum	ug/L	11200	24.5 U	83400	24.6 U	35600	24.6 U	33700	24.5 U
Antimony	ug/L	53.3 U	53.2 U	53.3 U	53.3 U	53.2 U	53.3 U	53 U	53.1 U
Arsenic	ug/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Barium	ug/L	93.3 B	63.1 B	397	56.5 B	193 B	60.3 B	162 B	52.7 B
Beryllium	ug/L	2.4 B	1.1 U	5.7	1.1 U	3.8 B	1.1 U	3.4 B	1.1 U
Cadmium	ug/L	30 U	3 U	13.9	3 U	5.4	3 U	3.8 B	3 U
Calcium	ug/L	105000	102000	171000	92300	156000	102000	103000	95000
Chromium	ug/L	13.2	6.2 U	109	6.2 U	51.3	6.2 U	42	6.2 U
Cobalt	ug/L	20.5 U	20.4 U	46.2 B	20.5 U	20.4 U	20.5 U	20.3 U	20.4 U
Copper	ug/L	10.5 B	10.2 U	88.1	10.2 U	33.6	10.2 U	32.6	10.1 U
Iron	ug/L	15600	7 U	147000	7 U	63800	7 U	56800	7 U
Lead	ug/L	3.5	1.2 U	20.9	1.2 U	12.1	1.2 U	9.8	1.2 U
Magnesium	ug/L	18900	147000	48000	11900	31000	13400	22400	9000
Manganese	ug/L	250	4.8 U	2530	4.8 U	1190	72.4	953	4.8 U
Mercury	ug/L	0.1 B	0.03 U	0.14 B	0.03 U	0.14 B	0.03 U	0.11 B	0.03 U
Nickel	ug/L	16.8 B	14.7 U	157	14.8 U	67.3	14.8 U	69.2	14.7 U
Potassium	ug/L	3450 B	1120 B	11700	497 B	6240	1250 B	4500 B	268 U
Selenium	ug/L	1.3 U	1 U	13 U	1 U	1.3 U	1.1 B	1.3 U	1 U
Silver	ug/L	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Sodium	ug/L	18400	17800	15600	14700	22200	21600	15700	14700
Thallium	ug/L	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Vanadium	ug/L	18.5 B	9.5 U	97.3	9.5 U	46.8 B	9.5 U	41.8 B	9.4 U
Zinc	ug/L	55.4	20.1	412	18.8 B	174	20.4	162	21.2
Cyanide	ug/L	10 U		10 U		10 U		10 U	

**ASH LANDFILL
GROUNDWATER INORGANICS ANALYSIS RESULTS**

	MATRIX LOCATION	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	MW-34	MW-34	MW-34	MW-34	MW-34	MW-35D	MW-35D	MW-36	MW-36
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/10/92	01/10/92	01/08/92	01/10/92	01/14/92	01/14/92	01/14/92	01/14/92
	MAIN ID	MW-34	MW-34	PT-1(1)	PT-1(1)	MW-35D	MW-35D	MW-36	MW-36
	LAB ID	152257	152290	152259	152292	152503	152508	152504	152509
ANALYTE	UNITS								
Aluminum	ug/L	8250	24.4 U	7310	24.5 U	23200	24.5 U	15900	24.4 U
Antimony	ug/L	55.9 U	53 U	55.9 U	53.2 U	53.2 U	53.1 U	53.1 U	52.9 U
Arsenic	ug/L	3.5 U	3.5 U	3.5 U	3.5 U	8.6 B	4.3 B	3.5 U	3.5 U
Barium	ug/L	225	51.9 B	191 B	45.7 B	318	104 B	167 B	59.2 B
Beryllium	ug/L	2.7 B	2.5 B	2.7 B	2.5 B	3.2 B	1.2 B	2.6 B	1.4 B
Cadmium	ug/L	2.9 U	3 U	2.9 U	3 U	5.4	3 U	3.6 B	3 U
Calcium	ug/L	352000	108000	268000	114000	41100	14600	182000	117000
Chromium	ug/L	10.3	6.2 U	12	6.2 U	34.9	6.2 U	27.1	6.1 U
Cobalt	ug/L	20 U	20.3 U	20 U	20.4 U	20.4 U	20.4 U	20.4 U	20.3 U
Copper	ug/L	14.5 U	10.1 U	14.9 B	10.2 U	22.5 B	10.1 U	19.6 B	10.1 U
Iron	ug/L	10800	6.9 U	11300	7 U	33800	7 U	29000	6.9 U
Lead	ug/L	8.2	1.2 U	7.4	1.2 U	5	1.2 U	5	1.2 U
Magnesium	ug/L	32100	20200	26300	20500	13300	4590 B	31000	17400
Manganese	ug/L	2200	132	1680	127	662	110	658	44.9
Mercury	ug/L	0.16 B	0.11 B	0.14 B	0.1 B	0.1 B	0.12 B	0.1 B	0.11 B
Nickel	ug/L	17.6 B	14.7 U	18 B	14.7 U	49.7	14.7 U	39.1 B	14.7 U
Potassium	ug/L	8910	7980	9760	7210	6230	2780 B	3310 B	1620 B
Selenium	ug/L	1 U	1 U	1 U	1 U	1.3 U	1 U	1.3 U	1 U
Silver	ug/L	9.1 U	4.3 B	9.1 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Sodium	ug/L	24900	31200	36500	25100	130000	110000	21300	19800
Thallium	ug/L	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Vanadium	ug/L	30.5 U	9.4 U	30.5 U	9.5 U	32.7 B	9.4 U	23.2 B	9.4 U
Zinc	ug/L	51.9	6.4 U	47.6	8.5 U	72.7	8.5 U	120	8.4 U
Cyanide	ug/L	10 U		10 U		10 U		10 U	

**ASH LANDFILL
GROUNDWATER INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	MW-37	MW-37	MW-38D	MW-38D	MW-39	MW-39	MW-40	MW-40
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/10/92	01/10/92	01/08/92	01/08/92	01/14/92	01/14/92	01/09/92	01/09/92
	MAIN ID	MW-37	MW-37	MW-38D	MW-38D	MW-39	MW-39	MW-40	MW-40
	LAB ID	152258	152291	152154	152197	152505	152510	152155	152198
	UNITS								
Aluminum	ug/L	19100	24.5 U	2110	24.4 U	7930	24.5 U	2730	24.6 U
Antimony	ug/L	55.9 U	53.2 U	55.8 U	52.9 U	53.3 U	53.1 U	56 U	53.4 U
Arsenic	ug/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Barium	ug/L	329	32.3 B	187 B	105 B	80.9 B	33.8 B	77.8 B	32.4 B
Beryllium	ug/L	3.8 B	2.4 B	2.1 B	2.6 B	2.6 B	1.3 B	2.1 B	2.6 B
Cadmium	ug/L	2.9 U	3 U	2.9 U	3 U	3.1 B	3 U	2.9 U	3 U
Calcium	ug/L	279000	109000	123000	93500	97900	83500	154000	101000
Chromium	ug/L	29.8	6.2 U	6.6 B	6.1 U	12.5	6.2 U	19.7	6.2 U
Cobalt	ug/L	28 B	20.4 U	19.9 U	20.3 U	20.4 U	20.4 U	20 U	20.5 U
Copper	ug/L	25.3	10.2 U	14.4 U	10.1 U	33.3	10.2 U	14.5 U	10.2 U
Iron	ug/L	27800	7 U	3630	6.9 U	11400	7 U	8040	7 U
Lead	ug/L	8	1.2 U	4.1	1.2 U	2.3 B	1.2 U	2.1 B	1.2 U
Magnesium	ug/L	29600	17900	16700	18400	15800	12400	14300	13800
Manganese	ug/L	2190	84.9	508	130	229	21	831	454
Mercury	ug/L	0.15 B	0.11 B	0.15 B	0.11 B	0.1 B	0.08 B	0.14 B	0.1 B
Nickel	ug/L	36.9 B	14.6 U	15.9 U	14.7 U	21.1 B	14.7 U	16 U	14.8 U
Potassium	ug/L	4470 B	1330 B	4980 B	4830 B	3720 B	1770 B	2810 B	2610 B
Selenium	ug/L	1 U	1 U	1 U	1 B	1.3 U	1 U	1 U	1 U
Silver	ug/L	9.1 U	3.4 U	9 U	3.4 U	3.4 U	3.6 B	9.1 U	3.4 U
Sodium	ug/L	11900	11200	5480	5540	15100	14000	7540	7270
Thallium	ug/L	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U
Vanadium	ug/L	30.6 U	9.5 U	30.4 U	9.4 U	13.3 B	9.5 U	30.6 U	9.5 U
Zinc	ug/L	56.8	8.5 U	17.7 B	8.4 U	39.8	8.5 U	34.1	8.5 U
Cyanide	ug/L	10 U		10 U		10 U		10 U	

**ASH LANDFILL
GROUNDWATER INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX	WATER	WATER	WATER
	LOCATION	MW-41D	MW-42D	MW-42D
	DEPTH	N/A	N/A	N/A
	DATE	01/13/92	01/13/92	01/13/92
	MAIN ID	MW-41D	MW-42D	MW-42D
	LAB ID	152409	152410	152430
	UNITS			
Aluminum	ug/L	146 B	209	24.5 U
Antimony	ug/L	77.3	55.5 U	53.2 U
Arsenic	ug/L	3.5 U	3.5 U	3.5 U
Barium	ug/L	97 B	112 B	96.3 B
Beryllium	ug/L	1.9 B	2.1 B	2.5 B
Cadmium	ug/L	2.9 U	2.9 U	3 U
Calcium	ug/L	45800	67300	58000
Chromium	ug/L	6.2 U	6.7 B	6.2 U
Cobalt	ug/L	19.9 U	19.8 U	20.4 U
Copper	ug/L	14.4 U	14.4 U	10.2 U
Iron	ug/L	398	683	7 U
Lead	ug/L	1.2 U	1.2 U	1.2 U
Magnesium	ug/L	17300	26200	32800
Manganese	ug/L	113	169	112
Mercury	ug/L	0.12 B	0.15 B	0.12 B
Nickel	ug/L	15.9 U	15.8 U	14.8 U
Potassium	ug/L	2530 B	9470	11200
Selenium	ug/L	1 U	1 U	1 U
Silver	ug/L	9.1 U	9 U	4.4 B
Sodium	ug/L	77600	18700	19700
Thallium	ug/L	3.2 U	3.2 U	3.2 U
Vanadium	ug/L	30.5 U	30.3 U	9.5 U
Zinc	ug/L	13.4 U	13.4 U	8.5 U
Cyanide	ug/L	10 U	10 U	

**ASH LANDFILL
GROUNDWATER HERBICIDES ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	WATER PT-10 N/A 01/08/92 PT-10(2) 152158	WATER PT-11 N/A 01/15/92 PT-11 152574	WATER PT-12 N/A 01/17/92 PT-3 152703	WATER PT-12 N/A 01/17/92 PT-12 152704	WATER PT-15 N/A 01/10-13/92 PT-15 152411	WATER PT-18 N/A 01/08/92 PT-18 152158	WATER PT-17 N/A 01/16/92 PT-17 152647	WATER PT-18 N/A 01/09/92 PT-18 152159
2,4-D	ug/L	1 U	1.2 U	1 U	1.4 U	1 U	1.2 U	1 U	1.1 U
2,4-DB	ug/L	1 U	1.2 U	1 U	1.4 U	1 U	1.2 U	1 U	1.1 U
2,4,5-T	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2,4,5-TP (Silvex)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Delepon	ug/L	2.3 U	2.7 U	2.3 U	3.2 U	2.3 U	2.7 U	2.3 U	2.4 U
Dicamba	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dichloroprop	ug/L	1 U	1.2 U	1 U	1.4 U	1 U	1.2 U	1 U	1.1 U
Dinoseb	ug/L	0.5 U	0.5 U	0.5 U	0.7 U	0.5 U	0.6 U	0.5 U	0.5 U
MCPA	ug/L	100 U	120 U	100 U	140 U	100 U	120 U	100 U	110 U
MCPP	ug/L	100 U	120 U	100 U	140 U	100 U	120 U	100 U	110 U

**ASH LANDFILL
GROUNDWATER HERBICIDES ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	WATER PT-19 N/A 01/17/92 PT-19 152705	WATER PT-20 N/A 01/17/92 PT-20(2,3) 152708	WATER PT-22 N/A 01/09/92 PT-22 152180	WATER PT-23 N/A 01/14/92 PT-23 152508	WATER PT-24 N/A 01/14/92 PT-24 152507	WATER PT-25 N/A 01/15/92 PT-25 152575	WATER PT-26 N/A 01/17/92 PT-26 152708	WATER MW-27 N/A 01/15/92 MW-27 152570
2,4-D	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U
2,4-DB	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U
2,4,5-T	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2,4,5-TP (Silver)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dalapon	ug/L	2.4 U	2.3 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U
Dicamba	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dichloroprop	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1 U
Dinoseb	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MCPA	ug/L	100 U	100 U	100 U	100 U	100 U	100 U	110 U	100 U
MCPP	ug/L	100 U	100 U	100 U	100 U	100 U	100 U	110 U	100 U

**ASH LANDFILL
GROUNDWATER HERBICIDES ANALYSIS RESULTS**

	MATRIX LOCATION	WATER MW-28	WATER MW-28	WATER MW-30	WATER MW-31	WATER MW-32	WATER MW-33	WATER MW-34	WATER MW-34
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	01/15/92	01/15/92	01/16/92	01/16/92	01/16/92	01/16/92	01/10/91	01/10/92
	MAIN ID	MW-28	PT-2(1)	MW-30	MW-31	MW-32	MW-33	MW-34	PT-1(1)
	LAB ID	152571	152573	152642	152643	152644	152645	152257	152259
COMPOUND	UNITS								
2,4-D	ug/L	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4-DB	ug/L	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-T	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2,4,5-TP (Silvex)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Delepon	ug/L	2.3 U	2.5 U	2.3 U	2.4 U	2.3 U	2.3 U	2.4 U	2.3 U
Dicamba	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dichloroprop	ug/L	1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dinoseb	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MCPA	ug/L	100 U	110 U	100 U	100 U	100 U	100 U	100 U	100 U
MCPB	ug/L	100 U	110 U	100 U	100 U	100 U	100 U	100 U	100 U

**ASH LANDFILL
GROUNDWATER HERBICIDES ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	WATER MW-35D N/A 01/14/92 MW-35D 152503	WATER MW-38 N/A 01/14/92 MW-38 152504	WATER MW-37 N/A 01/10/92 MW-37 152258	WATER MW-38D N/A 01/08/92 MW-38D 152154	WATER MW-39 N/A 01/14/92 MW-39 152505	WATER MW-40 N/A 01/09/92 MW-40 152155	WATER MW-41D N/A 01/13/92 MW-41D 152409	WATER MW-42D N/A 01/13/92 MW-42D 152410
2,4-D	ug/L	1.2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.2 U
2,4-DB	ug/L	1.2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.2 U
2,4,5-T	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2,4,5-TP (Silver)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Deiapon	ug/L	2.9 U	2.4 U	2.4 U	2.5 U	2.4 U	2.3 U	2.4 U	2.7 U
Dicamba	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dichloroprop	ug/L	1.2 U	1 U	1 U	1.1 U	1 U	1 U	1 U	1.2 U
Dinoseb	ug/L	0.8 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8 U
MCPA	ug/L	120 U	100 U	100 U	110 U	100 U	100 U	100 U	120 U
MCPD	ug/L	120 U	100 U	100 U	110 U	100 U	100 U	100 U	120 U

SURFACE WATER AND SEDIMENT

**ASH LANDFILL
SURFACE WATER VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER
	LOCATION	SW-100	SW-300	SW-400	SW-800	SW-800
	DEPTH	N/A	N/A	N/A	N/A	N/A
	DATE	12/10/91	11/15/91	11/15/91	11/16/91	11/16/91
	MAIN ID	W1012119 (3)	W1511-79	W1511-80	W1611-83	W1611-84(1)
	LAB ID	150730	149120	149121	149236	149237
	UNITS					
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Methyl Chloride	ug/L	1 BJ	5 U	2 BJ	5 U	5 U
Acetone	ug/L	8 BJ	8 J	17 B	12	10
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane (total)	ug/L	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	5 U	5 U	2 J	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U
Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U

**ASH LANDFILL
SEDIMENT VOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SW-100	SW-100	SW-200	SW-300	SW-400	SW-600	SW-800	SW-700	SW-900
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	11/15/91	12/10/91	11/15/91	11/15/91	11/15/91	11/18/91	11/18/91	11/20/91	11/20/91
	MAIN ID	S1511-78	S1012119	S1511-77	S1511-79	S1511-80	S1611-85	S1611-86 (1)	S2011-88	S2011-87
	LAB ID	148231	150727	148115	149116	149117	148233	148234	149452	149451
COMPOUND	UNITS									
Chloromethane	ug/Kg	15 U	21 U	16 U	18 U	22 U	14 U	13 U	14 U	32 U
Bromomethane	ug/Kg	15 U	21 U	16 U	18 U	22 U	14 U	13 U	14 U	32 U
Vinyl Chloride	ug/Kg	15 U	21 U	16 U	18 U	22 U	14 U	13 U	14 U	32 U
Chloroethane	ug/Kg	15 U	21 U	16 U	18 U	22 U	14 U	13 U	14 U	32 U
Methyl Chloride	ug/Kg	8 U	7 BJ	3 BJ	3 BJ	5 BJ	7 U	7 U	7 U	5 BJ
Acetone	ug/Kg	15 U	21 U	16 U	18 U	21 BJ	14 U	13 U	14 U	54 B
Carbon Disulfide	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
1,1-Dichloroethane	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
1,1-Dichloroethane	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
1,2-Dichloroethane (total)	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
Chloroform	ug/Kg	8 U	10 U	8 U	9 U	8 J	7 U	7 U	5 J	16 U
1,2-Dichloroethane	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
2-Butanone	ug/Kg	15 U	21 U	16 U	18 U	22 U	14 U	13 U	14 U	32 U
1,1,1-Trichloroethane	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
Carbon Tetrachloride	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
Vinyl Acetate	ug/Kg	15 U	21 U	16 U	18 U	22 U	14 U	13 U	14 U	32 U
Bromodichloromethane	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
1,2-Dichloropropane	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
cis-1,3-Dichloropropene	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
Trichloroethene	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
Dibromochloromethane	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
1,1,2-Trichloroethene	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
Benzene	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
trans-1,3-Dichloropropene	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
Bromoform	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
4-Methyl-2-Pentanone	ug/Kg	15 U	21 U	16 U	18 U	22 U	14 U	13 U	14 U	32 U
2-Hexanone	ug/Kg	15 U	21 U	16 U	18 U	22 U	14 U	13 U	14 U	32 U
Tetrachloroethene	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
1,1,2,2-Tetrachloroethane	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
Toluene	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
Chlorobenzene	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
Ethylbenzene	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
Styrene	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U
Xylene (total)	ug/Kg	8 U	10 U	8 U	9 U	11 U	7 U	7 U	7 U	16 U

**ASH LANDFILL
SURFACE WATER SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

	MATRIX	WATER	WATER	WATER	WATER	WATER
	LOCATION	SW-100	SW-300	SW-400	SW-800	SW-800
	DEPTH	N/A	N/A	N/A	N/A	N/A
	DATE	12/10/91	11/15/91	11/15/91	11/18/91	11/18/91
	MAIN ID	W1012118 (3)	W1511-79	W1511-80	W1811-83	W1811-84(1)
	LAB ID	150730	149120	149121	149238	149237
COMPOUND	UNITS					
Phenol	ug/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U
Benzyl Alcohol	ug/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl) ether	ug/L	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	ug/L	10 U	10 U	10 U	10 U	10 U
Isophorone	ug/L	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	ug/L	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U	10 U	10 U
Benzoic acid	ug/L	50 U	51 U	50 U	50 U	50 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	50 U	51 U	50 U	50 U	50 U
2-Chloronaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	50 U	51 U	50 U	50 U	50 U
Dimethylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	ug/L	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U

**ASH LANDFILL
SEDIMENT SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
LOCATION	SW-100	SW-100	SW-200	SW-300	SW-400	SW-800	SW-800	SW-800	SW-700
DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DATE	11/15/91	12/10/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/20/91
MAIN ID	S1511-78	S1012118 (3)	S1511-77	S1511-79	S1511-80	S1611-85	S1611-85 (1)	S1611-86 (1)	S2011-88
LAB ID	149231	150727	149115	149116	149117	149233	149234	149452	
COMPOUND	UNITS								
Phenol	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
bis(2-Chloroethyl) ether	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
2-Chlorophenol	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
1,3-Dichlorobenzene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
1,4-Dichlorobenzene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
Benzyl Alcohol	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
1,2-Dichlorobenzene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
2-Methylphenol	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
bis(2-Chloroisopropyl) ether	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
4-Methylphenol	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
N-Nitroso-di-n-propylamine	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
Hexachloroethane	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
Nitrobenzene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
Isophorone	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
2-Nitrophenol	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
2,4-Dimethylphenol	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
Benzoic acid	ug/Kg	5000 U	8000 U	5100 U	5100 U	5700 U	4300 U	4500 U	4800 U
bis(2-Chloroethoxy) methane	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
2,4-Dichlorophenol	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
1,2,4-Trichlorobenzene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
Naphthalene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
4-Chloroaniline	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
Hexachlorobutadiene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
4-Chloro-3-methylphenol	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
2-Methylnaphthalene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
Hexachlorocyclopentadiene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
2,4,6-Trichlorophenol	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
2,4,5-Trichlorophenol	ug/Kg	5000 U	8000 U	5100 U	5100 U	5700 U	4300 U	4500 U	4800 U
2-Chloronaphthalene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
2-Nitroaniline	ug/Kg	5000 U	8000 U	5100 U	5100 U	5700 U	4300 U	4500 U	4800 U
Dimethylphthalate	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U
Acenaphthylene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	120 J	170 J	940 U
2,6-Dinitrotoluene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	880 U	940 U	940 U

**ASH LANDFILL
SEDIMENT SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	SOIL SW-700 N/A 11/20/91 S2011-88FE (4) 148452	SOIL SW-800 N/A 11/18/91 S1811-83 148232	SOIL SW-800 N/A 11/20/91 S2011-87FE (4) 148451	SOIL SW-801 N/A 11/15/91 S1511-78 148114
Phenol	ug/Kg	480 U	780 U	1100 U	930 U
bis(2-Chloroethyl) ether	ug/Kg	480 U	780 U	1100 U	930 U
2-Chlorophenol	ug/Kg	480 U	780 U	1100 U	930 U
1,3-Dichlorobenzene	ug/Kg	480 U	780 U	1100 U	930 U
1,4-Dichlorobenzene	ug/Kg	480 U	780 U	1100 U	930 U
Benzyl Alcohol	ug/Kg	480 U	780 U	1100 U	930 U
1,2-Dichlorobenzene	ug/Kg	480 U	780 U	1100 U	930 U
2-Methylphenol	ug/Kg	480 U	780 U	1100 U	930 U
bis(2-Chloroisopropyl) ether	ug/Kg	480 U	780 U	1100 U	930 U
4-Methylphenol	ug/Kg	480 U	780 U	100 J	930 U
N-Nitroso-di-n-propylamine	ug/Kg	480 U	780 U	1100 U	930 U
Hexachloroethane	ug/Kg	480 U	780 U	1100 U	930 U
Nitrobenzene	ug/Kg	480 U	780 U	1100 U	930 U
Isophorone	ug/Kg	480 U	780 U	1100 U	930 U
2-Nitrophenol	ug/Kg	480 U	780 U	1100 U	930 U
2,4-Dimethylphenol	ug/Kg	480 U	780 U	1100 U	930 U
Benzoic acid	ug/Kg	2300 U	3700 U	5100 U	4500 U
bis(2-Chloroethyl) methane	ug/Kg	480 U	780 U	1100 U	930 U
2,4-Dichlorophenol	ug/Kg	480 U	780 U	1100 U	930 U
1,2,4-Trichlorobenzene	ug/Kg	480 U	780 U	1100 U	930 U
Naphthalene	ug/Kg	480 U	780 U	1100 U	930 U
4-Chloroaniline	ug/Kg	480 U	780 U	1100 U	930 U
Hexachlorobutadiene	ug/Kg	480 U	780 U	1100 U	930 U
4-Chloro-3-methylphenol	ug/Kg	480 U	780 U	1100 U	930 U
2-Methylnaphthalene	ug/Kg	480 U	780 U	1100 U	930 U
Hexachlorocyclopentadiene	ug/Kg	480 U	780 U	1100 U	930 U
2,4,6-Trichlorophenol	ug/Kg	480 U	780 U	1100 U	930 U
2,4,5-Trichlorophenol	ug/Kg	2300 U	3700 U	5100 U	4500 U
2-Chloronaphthalene	ug/Kg	480 U	780 U	1100 U	930 U
2-Nitroaniline	ug/Kg	2300 U	3700 U	5100 U	4500 U
Dimethylphthalate	ug/Kg	480 U	780 U	1100 U	930 U
Acenaphthylene	ug/Kg	480 U	780 U	1100 U	930 U
2,6-Dinitrotoluene	ug/Kg	480 U	780 U	1100 U	930 U

**ASH LANDFILL
SURFACE WATER SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER
	LOCATION	SW-100	SW-300	SW-400	SW-800	SW-800
	DEPTH	N/A	N/A	N/A	N/A	N/A
	DATE	12/10/91	11/15/91	11/15/91	11/18/91	11/18/91
	MAIN ID	W1012119(3)	W1511-79	W1511-80	W1811-83(2)	W1811-84(1)
	LAB ID	150730	149120	149121	149236	149237
	UNITS					
3-Nitroaniline	ug/L	50 U	51 U	50 U	50 U	50 U
Acenaphthene	ug/L	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	50 U	51 U	50 U	50 U	50 U
4-Nitrophenol	ug/L	50 U	51 U	50 U	50 U	50 U
Dibenzofuran	ug/L	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	10 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	50 U	51 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	50 U	51 U	50 U	50 U	50 U
N-Nitrosodiphenylamine (1)	ug/L	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	50 U	51 U	50 U	50 U	50 U
Phenanthrene	ug/L	10 U	10 U	10 U	10 U	10 U
Anthracene	ug/L	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U
Pyrene	ug/L	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	20 U	21 U	20 U	20 U	20 U
Benzo(a)anthracene	ug/L	10 U	10 U	10 U	10 U	10 U
Chrysene	ug/L	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U
benzo(k)fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	10 U	10 U	10 U

**ASH LANDFILL
SEDIMENT SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
LOCATION	SW-100	SW-100	SW-200	SW-300	SW-400	SW-600	SW-600	SW-600	SW-700
DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DATE	11/15/91	12/10/91	11/15/91	11/15/91	11/15/91	11/15/91	11/16/91	11/16/91	11/20/91
MAIN ID	81511-76	81012119 (3)	81511-77	81511-79	81511-80	81611-85	81611-88 (1)	81611-88 (1)	82011-88
LAB ID	148231	150727	149115	149116	149117	148233	148234	148234	149452
COMPOUND	UNITS								
3-Nitroaniline	ug/Kg	5000 U	6000 U	5100 U	5100 U	5700 U	4300 U	4500 U	4800 U
Acenaphthene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	680 U	940 U	940 U
2,4-Dinitrophenol	ug/Kg	5000 U	6000 U	5100 U	5100 U	5700 U	4300 U	4500 U	4800 U
4-Nitrophenol	ug/Kg	5000 U	6000 U	5100 U	5100 U	5700 U	4300 U	4500 U	4800 U
Dibenzofuran	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	680 U	940 U	940 U
2,4-Dinitrotoluene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	680 U	940 U	940 U
Diethylphthalate	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	680 U	940 U	940 U
4-Chlorophenyl-phenylether	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	680 U	940 U	940 U
Fluorene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	680 U	940 U	940 U
4-Nitroaniline	ug/Kg	5000 U	6000 U	5100 U	5100 U	5700 U	4300 U	4500 U	4800 U
4,6-Dinitro-2-methylphenol	ug/Kg	5000 U	6000 U	5100 U	5100 U	5700 U	4300 U	4500 U	4800 U
N-Nitrosodiphenylamine (1)	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	680 U	940 U	940 U
4-Bromophenyl-phenylether	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	680 U	940 U	940 U
Hexachlorobenzene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	680 U	940 U	940 U
Pentachlorophenol	ug/Kg	5000 U	6000 U	5100 U	5100 U	5700 U	4300 U	4500 U	4800 U
Phenanthrene	ug/Kg	1000 U	1200 U	1100 U	1100 U	270 J	720 J	1200	940 U
Anthracene	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	180 J	270 J	940 U
Di-n-butylphthalate	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	680 U	940 U	940 U
Fluoranthene	ug/Kg	120 J	1200 U	1100 U	130 J	830 J	5500	7400	940 U
Pyrene	ug/Kg	94 J	1200 U	130 J	180 J	740 J	4400	6700	940 U
Butylbenzylphthalate	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	680 U	940 U	940 U
3,3'-Dichlorobenzidine	ug/Kg	2000 U	2500 U	2100 U	2100 U	2400 U	1800 U	1900 U	1900 U
Benzo(a)anthracene	ug/Kg	1000 U	1200 U	1100 U	97 J	410 J	3300	4900	940 U
Chrysene	ug/Kg	1000 U	1200 U	1100 U	130 J	520 J	3600	5300	940 U
bis(2-Ethylhexyl)phthalate	ug/Kg	1000 U	1200 U	100 J	210 J	1200 U	680 U	4300	940 U
Di-n-octylphthalate	ug/Kg	1000 U	1200 U	1100 U	1100 U	1200 U	680 U	940 U	940 U
Benzo(b)fluoranthene	ug/Kg	1000 U	1200 U	1100 U	1100 U	450 J	3100	4500	940 U
benzo(k)fluoranthene	ug/Kg	1000 U	1200 U	1100 U	97 J	450 J	2400	3700	940 U
Benzo(a)pyrene	ug/Kg	1000 U	1200 U	1100 U	110 J	480 J	2600	3600	940 U
Indeno(1,2,3-cd)pyrene	ug/Kg	1000 U	1200 U	1100 U	1100 U	340 J	1700	2400	940 U
Dibenz(a,h)anthracene	ug/Kg	1000 U	1200 U	1100 U	1100 U	180 J	690 J	1300	940 U
Benzo(g,h,i)perylene	ug/Kg	1000 U	1200 U	1100 U	1100 U	340 J	1800	2300	940 U

**ASH LANDFILL
SEDIMENT SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SW-700	SW-800	SW-800	SW-800	SW-801
	DEPTH	N/A	N/A	N/A	N/A	N/A
	DATE	11/20/91	11/18/91	11/20/91	11/20/91	11/15/91
	MAIN ID	S2011-88FE(4)	S1811-83	S2011-87	S2011-87FE(4)	S1511-78
	LAB ID	148452	148232	148451	148451	148114
	UNITS					
3-Nitroaniline	ug/Kg	2300 U	3700 U	10000 U	5100 U	4500 U
Acenaphthene	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
2,4-Dinitrophenol	ug/Kg	2300 U	3700 U	10000 U	5100 U	4500 U
4-Nitrophenol	ug/Kg	2300 U	3700 U	10000 U	5100 U	4500 U
Dibenzofuran	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
2,4-Dinitrotoluene	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
Diethylphthalate	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
4-Chlorophenyl-phenylether	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
Fluorene	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
4-Nitroaniline	ug/Kg	2300 U	3700 U	10000 U	5100 U	4500 U
4,6-Dinitro-2-methylphenol	ug/Kg	2300 U	3700 U	10000 U	5100 U	4500 U
N-Nitrosodiphenylamine (1)	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
4-Bromophenyl-phenylether	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
Hexachlorobenzene	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
Pentachlorophenol	ug/Kg	2300 U	3700 U	10000 U	5100 U	4500 U
Phenanthrene	ug/Kg	480 U	780 U	2100 U	1100 U	99 J
Anthracene	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
Di-n-butylphthalate	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
Fluoranthene	ug/Kg	95 J	78 J	2100 U	1100 U	130 J
Pyrene	ug/Kg	110 J	780 U	2100 U	1100 U	140 J
Butylbenzylphthalate	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
3,3'-Dichlorobenzidine	ug/Kg	980 U	1500 U	4200 U	2100 U	1800 U
Benzo(a)anthracene	ug/Kg	59 J	780 U	2100 U	1100 U	88 J
Chrysene	ug/Kg	84 J	780 U	2100 U	1100 U	120 J
bis(2-Ethylhexyl)phthalate	ug/Kg	480 U	780 U	2100 U	1100 U	100 J
Di-n-octylphthalate	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
Benzo(b)fluoranthene	ug/Kg	80 J	780 U	2100 U	1100 U	88 J
benzo(k)fluoranthene	ug/Kg	88 J	780 U	2100 U	1100 U	930 U
Benzo(a)pyrene	ug/Kg	71 J	780 U	2100 U	1100 U	100 J
Indeno(1,2,3-cd)pyrene	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
Dibenz(a,h)anthracene	ug/Kg	480 U	780 U	2100 U	1100 U	930 U
Benzo(g,h,i)perylene	ug/Kg	480 U	780 U	2100 U	1100 U	930 U

**ASH LANDFILL
SURFACE WATER PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SW-100	SW-100	SW-300	SW-400	SW-800	SW-800
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	12/10/91	12/10/91	11/15/91	11/15/91	11/16/91	11/16/91
	MAIN ID	W1012119 (3)	W1012119RE (4)	W1511-79	W1511-80	W1811-83	W1811-84 (1)
	LAB ID	150730	150730	149120	149121	149238	149237
	UNITS						
alpha-BHC	ug/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	ug/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	ug/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	ug/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	ug/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	ug/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	ug/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	ug/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	ug/L	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
Endrin	ug/L	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
gamma-Chlordane	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toxaphene	ug/L	1 U	1 U	1 U	0.99 U	1 U	1 U
Aroclor-1016	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1221	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1232	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1242	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1246	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1254	ug/L	1 U	1 U	1 U	0.99 U	1 U	1 U
Aroclor-1260	ug/L	1 U	1 U	1 U	0.99 U	1 U	1 U

**ASH LANDFILL
SEDIMENT PESTICIDE AND PCB ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL SW-100	SOIL SW-100	SOIL SW-200	SOIL SW-300	SOIL SW-400	SOIL SW-600	SOIL SW-800	SOIL SW-700
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	11/15/91	12/10/91	11/15/91	11/15/91	11/15/91	11/16/91	11/16/91	11/20/91
	MAIN ID	S1511-78	S1012119 (3)	S1511-77	S1511-79	S1511-80	S1611-85	S1611-86(1)	S2011-88
COMPOUND	LAB ID	148231	150727	149115	149116	149117	148233	148234	148452
	UNITS								
alpha-BHC	ug/Kg	25 U	30 U	28 U	25 U	29 U	21 U	23 U	23 U
beta-BHC	ug/Kg	25 U	30 U	28 U	25 U	29 U	21 U	23 U	23 U
delta-BHC	ug/Kg	25 U	30 U	28 U	25 U	29 U	21 U	23 U	23 U
gamma-BHC (Lindane)	ug/Kg	25 U	30 U	28 U	25 U	29 U	21 U	23 U	23 U
Heptachlor	ug/Kg	25 U	30 U	28 U	25 U	29 U	21 U	23 U	23 U
Aldrin	ug/Kg	25 U	30 U	28 U	25 U	29 U	21 U	23 U	23 U
Heptachlor epoxide	ug/Kg	25 U	30 U	28 U	25 U	29 U	21 U	23 U	23 U
Endosulfan I	ug/Kg	25 U	30 U	28 U	25 U	29 U	21 U	23 U	23 U
Dieldrin	ug/Kg	50 U	60 U	51 U	51 U	57 U	43 U	45 U	46 U
4,4'-DDE	ug/Kg	50 U	60 U	51 U	51 U	57 U	43 U	45 U	46 U
Endrin	ug/Kg	50 U	60 U	51 U	51 U	57 U	43 U	45 U	46 U
Endosulfan II	ug/Kg	50 U	60 U	51 U	51 U	57 U	43 U	45 U	46 U
4,4'-DDD	ug/Kg	50 U	60 U	51 U	51 U	57 U	43 U	45 U	46 U
Endosulfan sulfate	ug/Kg	50 U	60 U	51 U	51 U	57 U	43 U	45 U	46 U
4,4'-DDT	ug/Kg	50 U	60 U	51 U	51 U	57 U	43 U	45 U	46 U
Methoxychlor	ug/Kg	250 U	300 U	260 U	250 U	290 U	210 U	230 U	230 U
Endrin ketone	ug/Kg	50 U	60 U	51 U	51 U	57 U	43 U	45 U	46 U
alpha-Chlordane	ug/Kg	250 U	300 U	260 U	250 U	290 U	210 U	230 U	230 U
gamma-Chlordane	ug/Kg	250 U	300 U	260 U	250 U	290 U	210 U	230 U	230 U
Toxaphene	ug/Kg	500 U	600 U	510 U	510 U	570 U	430 U	450 U	480 U
Aroclor-1018	ug/Kg	250 U	300 U	260 U	250 U	290 U	210 U	230 U	230 U
Aroclor-1221	ug/Kg	250 U	300 U	260 U	250 U	290 U	210 U	230 U	230 U
Aroclor-1232	ug/Kg	250 U	300 U	260 U	250 U	290 U	210 U	230 U	230 U
Aroclor-1242	ug/Kg	250 U	300 U	260 U	250 U	290 U	210 U	230 U	230 U
Aroclor-1248	ug/Kg	250 U	300 U	260 U	250 U	290 U	210 U	230 U	230 U
Aroclor-1254	ug/Kg	500 U	600 U	510 U	510 U	570 U	430 U	450 U	480 U
Aroclor-1260	ug/Kg	500 U	600 U	510 U	510 U	570 U	430 U	450 U	480 U

**ASH LANDFILL
SEDIMENT PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL
	LOCATION	SW-800	SW-801	SW-800
	DEPTH	N/A	N/A	N/A
	DATE	11/18/91	11/15/91	11/20/91
	MAIN ID	S1811-83	S1511-78	S2011-87
	LAB ID	148232	149114	149451
	UNITS			
alpha-BHC	ug/Kg	18 U	23 U	51 U
beta-BHC	ug/Kg	18 U	23 U	51 U
delta-BHC	ug/Kg	18 U	23 U	51 U
gamma-BHC (Lindane)	ug/Kg	18 U	23 U	51 U
Heptachlor	ug/Kg	18 U	23 U	51 U
Aldrin	ug/Kg	18 U	23 U	51 U
Heptachlor epoxide	ug/Kg	18 U	23 U	51 U
Endosulfan I	ug/Kg	18 U	23 U	51 U
Dieldrin	ug/Kg	37 U	45 U	100 U
4,4'-DDE	ug/Kg	37 U	45 U	100 U
Endrin	ug/Kg	37 U	45 U	100 U
Endosulfan II	ug/Kg	37 U	45 U	100 U
4,4'-DDD	ug/Kg	37 U	45 U	100 U
Endosulfan sulfate	ug/Kg	37 U	45 U	100 U
4,4'-DDT	ug/Kg	37 U	45 U	100 U
Methoxychlor	ug/Kg	180 U	230 U	510 U
Endrin ketone	ug/Kg	37 U	45 U	100 U
alpha-Chlordane	ug/Kg	180 U	230 U	510 U
gamma-Chlordane	ug/Kg	180 U	230 U	510 U
Toxaphene	ug/Kg	370 U	450 U	1000 U
Aroclor-1018	ug/Kg	180 U	230 U	510 U
Aroclor-1221	ug/Kg	180 U	230 U	510 U
Aroclor-1232	ug/Kg	180 U	230 U	510 U
Aroclor-1242	ug/Kg	180 U	230 U	510 U
Aroclor-1248	ug/Kg	180 U	230 U	510 U
Aroclor-1254	ug/Kg	370 U	450 U	1000 U
Aroclor-1260	ug/Kg	370 U	450 U	1000 U

**ASH LANDFILL
SURFACE WATER INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SW-300	SW-400	SW-800	SW-800	SW-800	SW-800	SW-100
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	11/15/91	11/15/91	11/16/91	11/16/91	11/16/91	11/16/91	12/10/91
	MAIN ID	W1511-79	W1511-80	W1611-83(2)	W1611-84(1)	W1911-83A(2)	W1911-84A(1)	W1012119(3)
	LAB ID	149120	149121	149238	149237	149454	149455	150730
	UNITS							
Aluminum	ug/l	2410	97.8 U	97.8 U	97.4 U	-	-	203
Antimony	ug/l	141	55.7 U	55.8 U	55.5 U	-	-	53.2 U
Arsenic	ug/l	3.7 U	3.7 U	3.7 U	3.7 U	-	-	2.9 U
Barium	ug/l	84.8 B	24.9 B	44.8 B	46.9 B	-	-	35.4 B
Beryllium	ug/l	1.2 U	1.2 U	1.2 U	1.2 U	-	-	1.2 B
Cadmium	ug/l	2.9 U	2.9 U	2.9 U	2.9 U	-	-	3 U
Calcium	ug/l	125000	45600	71700	73400	-	-	104000
Chromium	ug/l	7.8 B	6.2 U	6.2 B	6.1 U	-	-	6.2 U
Cobalt	ug/l	19.9 U	19.9 U	19.9 U	19.8 U	-	-	20.4 U
Copper	ug/l	14.5 U	14.4 U	14.4 U	14.4 U	-	-	15.7 B
Iron	ug/l	2080	17 U	17 U	18.9 U	-	-	218
Lead	ug/l	14.4	0.7 U	0.7 U	0.7 U	-	-	1.2 U
Magnesium	ug/l	11800	353 U	9950	9960	-	-	13200
Manganese	ug/l	488	3.2 U	3.2 U	3.2 U	-	-	6.3 B
Mercury	ug/l	0.08 U	0.08 U	0.08 U	0.08 U	-	-	0.08 U
Nickel	ug/l	16 U	15.9 U	15.9 U	15.9 U	-	-	14.7 U
Potassium	ug/l	3850 B	4690 B	1830 B	1650 B	-	-	826 B
Selenium	ug/l	1.7 U	1.7 U	1.7 U	1.7 U	-	-	1 U
Silver	ug/l	9.1 U	9.1 U	9 U	9 U	-	-	3.4 U
Sodium	ug/l	19400	2180000	83400	84200	-	-	9470
Thallium	ug/l	2.8 U	28 U	2.8 U	2.8 U	-	-	2.8 U
Vanadium	ug/l	30.5 U	30.5 U	30.4 U	30.3 U	-	-	18.3 B
Zinc	ug/l	187	16.8 B	13.4 U	19.6 B	-	-	28.6
Cyanide	ug/l	10 U	10 U	-	-	10 U	10 U	10 U

**ASH LANDFILL
SEDIMENT INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SW-100	SW-800	SW-901	SW-200	SW-300	SW-400	SW-600	SW-600	SW-600
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	11/15/91	11/16/91	11/15/91	11/15/91	11/15/91	11/15/91	11/16/91	11/16/91	11/16/91
	MAIN ID	S1511-78	S1611-83	S1511-76	S1511-77	S1511-79	S1511-80	S1611-85	S1611-86(1)	S1611-86(1)
	LAB ID	149231	149232	149114	149115	149116	149117	149233	149234	149234
	UNITS									
Aluminum	mg/Kg	17400	13500	13000	14200	7340	12100	17400	20900	
Antimony	mg/Kg	13.9 U	11.3 U	15.4 U	12.9 U	9.1 U	11.1 U	9.4 U	12.8 U	
Arsenic	mg/Kg	3	5.7	6.6	7.9	3.4	8.7	8	10.5	
Barium	mg/Kg	129	81.8	100	110	52.7	79	157	227	
Beryllium	mg/Kg	1.1 B	0.81 B	0.98 B	0.9 B	0.45 B	0.75 B	1.1	1.2	
Cadmium	mg/Kg	3.5	4.1	2.6	2.3	2	2.3	3	3.9	
Calcium	mg/Kg	10900	42900	24100	11400	229000	37300	9890	14200	
Chromium	mg/Kg	28	22.8	24.1	20.7	13.2	21.8	28.5	33.4	
Cobalt	mg/Kg	8.7 B	17	8.8 B	7.6 B	6.6 B	9.1 B	11.7	12.9	
Copper	mg/Kg	58	16.7	33.9	41.2	14.9	31.2	39.2	43	
Iron	mg/Kg	28300	36800	26800	23600	16200	22900	33100	36400	
Lead	mg/Kg	85.4	8.5	31.3	26.7	23.9	63.7	219	197	
Magnesium	mg/Kg	5000	7090	4920	4790	7240	11000	5480	6400	
Manganese	mg/Kg	488	1050	340	482	1040	383	837	999	
Mercury	mg/Kg	0.11 B	0.04 U	0.05 B	0.1 B	0.06 B	0.12 B	0.12	0.07 B	
Nickel	mg/Kg	28.1	37.8	28.3	24.8	22	32	29.8	35.8	
Potassium	mg/Kg	2150	975 B	1710	2020	750 B	1740	1850	2510	
Selenium	mg/Kg	0.68 B	0.27 U	1.8 U	2 U	0.48 U	0.39 U	0.38 U	2.1 U	
Silver	mg/Kg	2.1 U	1.7 U	2.5 U	2.1 U	1.5 U	1.8 U	1.5 U	2 U	
Sodium	mg/Kg	108 U	195 B	89 U	74.6 U	140 B	97.9 B	54.4 U	80.2 B	
Thallium	mg/Kg	0.71 U	0.45 U	0.58 U	0.65 U	0.78 U	0.65 U	0.62 U	0.69 U	
Vanadium	mg/Kg	28.1	20.3	21.6	23.1	10.7	21.6	29	30.7	
Zinc	mg/Kg	495	100	370	144	276	681	448	800	
Cyanide	mg/Kg	0.86 U	0.85 U	0.82 U	0.82 U	0.85 U	1 U	0.7 U	0.82 U	

**ASH LANDFILL
SEDIMENT INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX	SOIL	SOIL	SOIL
	LOCATION	SW-600	SW-700	SW-100
	DEPTH	N/A	N/A	N/A
	DATE	11/20/91	11/20/91	12/10/91
	MAIN ID	S2011-87	S2011-88	S1012119(3)
	LAB ID	149451	149452	150727
	UNITS			
Aluminum	mg/Kg	13900	12700	17400
Antimony	mg/Kg	35.4 U	11.8 U	10.8
Arsenic	mg/Kg	9	7.3	3.5
Barium	mg/Kg	139	120	128
Beryllium	mg/Kg	1.1 B	0.73 B	1
Cadmium	mg/Kg	2.5 B	2.4	3.3
Calcium	mg/Kg	105000	46900	13800
Chromium	mg/Kg	22.8	21.3	25.4
Cobalt	mg/Kg	12.7 U	12.5	11.7
Copper	mg/Kg	24.3	22.8	58.8
Iron	mg/Kg	23900	28200	27900
Lead	mg/Kg	21.5	37.3	100
Magnesium	mg/Kg	6280	14900	5250
Manganese	mg/Kg	447	913	511
Mercury	mg/Kg	0.12 U	0.05 U	0.08
Nickel	mg/Kg	22.8 B	27.9	28
Potassium	mg/Kg	1690 B	1470	1870
Selenium	mg/Kg	0.95 U	1.8 U	0.52
Silver	mg/Kg	5.8 U	1.9 U	0.89
Sodium	mg/Kg	205 U	68.3 U	108
Thallium	mg/Kg	1.8 U	0.8 U	0.52
Vanadium	mg/Kg	29.1 B	20.8	23.8
Zinc	mg/Kg	339	255	523
Cyanide	mg/Kg	1.9 U	0.83 U	0.89

**ASH LANDFILL
SURFACE WATER HERBICIDES ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER
	SITE	SW-300	SW-400	SW-800	SW-800	SW-100
	DATE	11/15/91	11/15/91	11/15/91	11/16/91	12/10/91
	MAIN ID	W1511-79	W1511-80	W1511-83	W1611-84	W1012119
	LAB ID	149120	149121	149236	149237	150730
	UNITS					
2,4-D	ug/L	1 U	1 U	1 U	1 U	1 U
2,4-DB	ug/L	1 U	1 U	1 U	1 U	1 U
2,4,5-T	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2,4,5-TP (Silvex)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dasapon	ug/L	2.4 U	2.3 U	2.3 U	2.4 U	2.3 U
Dicamba	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dichloroprop	ug/L	1 U	1 U	1 U	1 U	1 U
Dinoseb	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MCPA	ug/L	100 U	99 U	100 U	100 U	100 U
MCPP	ug/L	100 U	99 U	100 U	100 U	100 U

**ASH LANDFILL
SEDIMENT HERBICIDES ANALYSIS RESULTS**

	MATRIX LOCATION	SOIL SW-100	SOIL SW-800	SOIL SW-901	SOIL SW-200	SOIL SW-300	SOIL SW-400	SOIL SW-600	SOIL SW-600	SOIL SW-600
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	11/15/91	11/16/91	11/15/91	11/15/91	11/15/91	11/15/91	11/15/91	11/16/91	11/16/91
	MAIN ID	S1511-76	S1811-83	S1511-76	S1511-77	S1511-79	S1511-80	S1511-80	S1611-85	S1611-86(1)
	LAB ID	149231	149232	149114	149115	149116	149117	149117	149233	149234
COMPOUND	UNITS									
2,4-D	ug/Kg	77 U	57 U	70 U	79 U	79 U	86 U	67 U	71 U	71 U
2,4-DB	ug/Kg	77 U	57 U	70 U	79 U	79 U	88 U	67 U	71 U	71 U
2,4,5-T	ug/Kg	8 U	6 U	7 U	8 U	8 U	9 U	7 U	7 U	7 U
2,4,5-TP (Silvex)	ug/Kg	8 U	6 U	7 U	8 U	8 U	9 U	7 U	7 U	7 U
Dalapon	ug/Kg	190 U	140 U	170 U	190 U	190 U	210 U	160 U	170 U	170 U
Dicamba	ug/Kg	8 U	6 U	7 U	8 U	8 U	9 U	7 U	7 U	7 U
Dichloroprop	ug/Kg	77 U	57 U	70 U	79 U	79 U	88 U	67 U	71 U	71 U
Dinoseb	ug/Kg	39 U	29 U	35 U	40 U	40 U	44 U	33 U	36 U	36 U
MCPA	ug/Kg	7700 U	5700 U	7000 U	7900 U	7900 U	8800 U	6700 U	7100 U	7100 U
MCPP	ug/Kg	7700 U	5700 U	7000 U	7900 U	7900 U	8800 U	6700 U	7100 U	7100 U

**ASH LANDFILL
SEDIMENT HERBICIDES ANALYSIS RESULTS**

COMPOUND	MATRIX	SOIL	SOIL	SOIL
	LOCATION	SW-900	SW-700	SW-100
	DEPTH	N/A	N/A	N/A
	DATE	11/20/91	11/20/91	12/10/91
	MAIN ID	S2011-87	S2011-88	S1012119(3)
	LAB ID	149451	149452	150727
	UNITS			
2,4-D	ug/Kg	160 U	71 U	94 U
2,4-DB	ug/Kg	160 U	71 U	94 U
2,4,5-T	ug/Kg	16 U	7 U	9 U
2,4,5-TP (Silvex)	ug/Kg	16 U	7 U	9 U
Dalapon	ug/Kg	390 U	170 U	230 U
Dicamba	ug/Kg	16 U	7 U	9 U
Dichloroprop	ug/Kg	160 U	71 U	94 U
Dinoseb	ug/Kg	80 U	36 U	47 U
MCPA	ug/Kg	16000 U	7100 U	9400 U
MCPP	ug/Kg	16000 U	7100 U	9400 U

DUST WIPES

**ASH LANDFILL
DUST WIPE SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX SITE DATE MAIN ID LAB ID UNITS	WIPE ASH 12/07/91 DW1206-1 150424	WIPE ASH 12/07/91 DW1206-2 150425
Phenol	ug/wp	20 U	20 U
bis(2-Chloroethyl) ether	ug/wp	20 U	20 U
2-Chlorophenol	ug/wp	20 U	20 U
1,3-Dichlorobenzene	ug/wp	20 U	20 U
1,4-Dichlorobenzene	ug/wp	20 U	20 U
Benzyl Alcohol	ug/wp	20 U	20 U
1,2-Dichlorobenzene	ug/wp	20 U	20 U
2-Methylphenol	ug/wp	20 U	20 U
bis(2-Chloroisopropyl) ether	ug/wp	20 U	20 U
4-Methylphenol	ug/wp	20 U	20 U
N-Nitroso-di-n-propylamine	ug/wp	20 U	20 U
Hexachloroethane	ug/wp	20 U	20 U
Nitrobenzene	ug/wp	20 U	20 U
Isophorone	ug/wp	20 U	20 U
2-Nitrophenol	ug/wp	20 U	20 U
2,4-Dimethylphenol	ug/wp	20 U	20 U
Benzoic acid	ug/wp	3 J	96 U
bis(2-Chloroethoxy) methane	ug/wp	20 U	20 U
2,4-Dichlorophenol	ug/wp	20 U	20 U
1,2,4-Trichlorobenzene	ug/wp	20 U	20 U
Naphthalene	ug/wp	20 U	20 U
4-Chloroaniline	ug/wp	20 U	20 U
Hexachlorobutadiene	ug/wp	20 U	20 U
4-Chloro-3-methylphenol	ug/wp	20 U	20 U
2-Methylnaphthalene	ug/wp	20 U	20 U
Hexachlorocyclopentadiene	ug/wp	20 U	20 U
2,4,6-Trichlorophenol	ug/wp	20 U	20 U
2,4,5-Trichlorophenol	ug/wp	96 U	96 U
2-Chloronaphthalene	ug/wp	20 U	20 U
2-Nitroaniline	ug/wp	96 U	96 U
Dimethylphalate	ug/wp	16 J	7 J
Acenaphthylene	ug/wp	20 U	20 U
2,6-Dinitrotoluene	ug/wp	20 U	20 U

**ASH LANDFILL
DUST WIPE SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX SITE DATE MAIN ID LAB ID UNITS	WIPE ASH 12/07/91 DW1206-1 150424	WIPE ASH 12/07/91 DW1206-2 150425
3-Nitroaniline	ug/wp	96 U	96 U
Acenaphthene	ug/wp	20 U	20 U
2,4-Dinitrophenol	ug/wp	96 U	96 U
4-Nitrophenol	ug/wp	96 U	96 U
Dibenzofuran	ug/wp	20 U	20 U
2,4-Dinitrotoluene	ug/wp	20 U	20 U
Diethylphthalate	ug/wp	20 U	20 U
4-Chlorophenyl-phenylether	ug/wp	20 U	20 U
Fluorene	ug/wp	20 U	20 U
4-Nitroaniline	ug/wp	96 U	96 U
4,6-Dinitro-2-methylphenol	ug/wp	96 U	96 U
N-Nitrosodiphenylamine (1)	ug/wp	20 U	20 U
4-Bromophenyl-phenylether	ug/wp	20 U	20 U
Hexachlorobenzene	ug/wp	20 U	20 U
Pentachlorophenol	ug/wp	96 U	96 U
Phenanthrene	ug/wp	20 U	20 U
Anthracene	ug/wp	20 U	20 U
Di-n-butylphthalate	ug/wp	20 U	20 U
Fluoranthene	ug/wp	20 U	20 U
Pyrene	ug/wp	20 U	20 U
Butylbenzylphthalate	ug/wp	20 U	20 U
3,3'-Dichlorobenzidine	ug/wp	40 U	40 U
Benzo(a)anthracene	ug/wp	20 U	20 U
Chrysene	ug/wp	20 U	20 U
bis(2-Ethylhexyl)phthalate	ug/wp	20 U	20 U
Di-n-octylphthalate	ug/wp	20 U	20 U
Benzo(b)fluoranthene	ug/wp	20 U	20 U
benzo(k)fluoranthene	ug/wp	20 U	20 U
Benzo(a)pyrene	ug/wp	20 U	20 U
Indeno(1,2,3-cd)pyrene	ug/wp	20 U	20 U
Dibenz(a,h)anthracene	ug/wp	20 U	20 U
Benzo(g,h,i)perylene	ug/wp	20 U	20 U

**ASH LANDFILL
DUST WIPE PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX SITE DATE MAIN ID LAB ID	WIPE ASH 12/07/91 DW1206-1 150424	WIPE ASH 12/07/91 DW1206-2 150425
alpha-BHC	ug/wp	0.5 U	0.5 U
beta-BHC	ug/wp	0.5 U	0.5 U
delta-BHC	ug/wp	0.5 U	0.5 U
gamma-BHC (Lindane)	ug/wp	0.5 U	0.5 U
Heptachlor	ug/wp	0.5 U	0.5 U
Aldrin	ug/wp	0.5 U	0.5 U
Heptachlor epoxide	ug/wp	0.5 U	0.5 U
Endosulfan I	ug/wp	0.5 U	0.5 U
Dieldrin	ug/wp	1 U	1 U
4,4'-DDE	ug/wp	1 U	1 U
Endrin	ug/wp	1 U	1 U
Endosulfan II	ug/wp	1 U	1 U
4,4'-DDD	ug/wp	1 U	1 U
Endosulfan sulfate	ug/wp	1 U	1 U
4,4'-DDT	ug/wp	1 U	1 U
Methoxychor	ug/wp	5 U	5 U
Endrin ketone	ug/wp	1 U	1 U
alpha-Chlordane	ug/wp	5 U	5 U
gamma-Chlordane	ug/wp	5 U	5 U
Toxaphene	ug/wp	10 U	10 U
Aroclor-1016	ug/wp	5 U	5 U
Aroclor-1221	ug/wp	5 U	5 U
Aroclor-1232	ug/wp	5 U	5 U
Aroclor-1242	ug/wp	5 U	5 U
Aroclor-1248	ug/wp	5 U	5 U
Aroclor-1254	ug/wp	10 U	10 U
Aroclor-1260	ug/wp	10 U	10 U

**ASH LANDFILL
DUST WIPE INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX	SOIL	SOIL
	SITE	ASH	ASH
	DATE	12/07/91	12/07/91
	MAIN ID	DW1206-1	DW1206-2
	LAB ID	150424	150425
	UNITS		
Aluminum	ug/wp	10600	23400
Antimony	ug/wp	90	11.2 U
Arsenic	ug/wp	4.3	3.9
Barium	ug/wp	64.2	351
Beryllium	ug/wp	0.22 U	0.22 U
Cadmium	ug/wp	14.9	10.6
Calcium	ug/wp	17500	21700
Chromium	ug/wp	44.8	65.2
Cobalt	ug/wp	6 B	11.6
Copper	ug/wp	67	190
Iron	ug/wp	2070	11600
Lead	ug/wp	3020	454
Magnesium	ug/wp	2340	3900
Manganese	ug/wp	104	888
Mercury	ug/wp	0.75	1.8
Nickel	ug/wp	10.6	29.5
Potassium	ug/wp	1540	3960
Selenium	ug/wp	1.8	0.4 B
Silver	ug/wp	1.6 B	8.2
Sodium	ug/wp	716 B	4990
Thallium	ug/wp	0.48 U	0.48 U
Vanadium	ug/wp	7.7 B	22
Zinc	ug/wp	1340	1150

QC RINSATE AND TRIP BLANKS

**ASH LANDFILL
RINSATE AND TRIP BLANK VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	WATER RINSATE N/A 11/04/91 X1104-1 148033	WATER RINSATE N/A 11/06/91 S1106-35 148461	WATER RINSATE N/A 11/08/91 X1108-2 148718	WATER RINSATE N/A 11/12/91 X1112-3 148938	WATER RINSATE N/A 11/13/91 X1113-4 148939	WATER RINSATE N/A 11/14/91 X1114-5 149183	WATER RINSATE N/A 11/15/91 S1511-81 149118	WATER RINSATE N/A 11/15/91 W1511-81 149122
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	14	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Chloride	ug/L	1 BJ	2 BJ	5 U	5 U	1 BJ	2 BJ	5 U	1 J
Acetone	ug/L	9 BJ	4 BJ	10 U	2 J	4 J	14 B	5 J	3 J
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

**ASH LANDFILL
RINSATE AND TRIP BLANK VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	WATER RINSATE N/A 12/02/91 X1202-7 150030	WATER RINSATE N/A 12/03/91 X1203-8 150031	WATER RINSATE N/A 12/04/91 X1204-9 150257	WATER RINSATE N/A 01/08/92 RINSATE 152153	WATER RINSATE N/A 01/08/92 RINSATE 152166	WATER RINSATE N/A 01/10/92 RINSATE 152261	WATER TRIP BLNK N/A 11/14/91 X1114-6 149184	WATER TRIP BLNK N/A 11/15/91 W1511-75 149119
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	2 BJ	5 U
Acetone	ug/L	10 U	10 U	10 U	4 J	5 J	1 J	36 B	6 J
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	4 J	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	10 U	10 U	10 U	7 J	10 U	3 J	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	5 U	5 U	5 U	5 U	3 J	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

**ASH LANDFILL
RINSATE AND TRIP BLANK VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	11/16/91	11/20/91	12/02/91	12/04/91	01/08/92	01/08/92	01/10/92	01/13/92
	MAIN ID	W1611-82	S2011-89	TRIP BLNK	X1204-10	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK
	LAB ID	149235	149453	150029	150258	152151	152152	152256	152408
COMPOUND	UNITS								
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl Chloride	ug/L	5 U	2 BJ	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	ug/L	7 BJ	7 BJ	10 U	10 U	10	5 J	2 J	3 J
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	5 U	7	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

**ASH LANDFILL
RINSATE AND TRIP BLANK VOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK
	DEPTH	N/A	N/A	N/A	N/A
	DATE	01/14/92	01/15/92	01/16/92	01/17/92
	MAIN ID	TRIP BLNK	TRIP BLNK	TRIP BLNK	TRIP BLNK
	LAB ID	152502	152500	152040	152702
	UNITS				
Chloromethane	ug/L	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U
Methyl Chloride	ug/L	5 U	5 U	1 BU	5 U
Acetone	ug/L	3 J	3 J	2 J	2 J
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	5 U	5 U	5 U
Chloroform	ug/L	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U
2-Butanone	ug/L	5 J	4 J	4 J	4 J
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U

**ASH LANDFILL
RINSATE SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID	WATER RINSATE N/A 11/04/91 X1104-1 148033	WATER RINSATE N/A 11/06/91 S1106-35 148461	WATER RINSATE N/A 11/06/91 X1106-2 148718	WATER RINSATE N/A 11/12/91 X1112-3 148936	WATER RINSATE N/A 11/13/91 X1113-4 148939	WATER RINSATE N/A 11/14/91 X1114-5 148183	WATER RINSATE N/A 11/15/91 S1511-81 149116	WATER RINSATE N/A 11/15/91 W1511-81 149122
Phenol	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Benzyl Alcohol	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
2-Methylphenol	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
bis(2-Chloroisopropyl) ether	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
4-Methylphenol	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Hexachloroethane	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Nitrobenzene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Isophorone	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
2-Nitrophenol	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Benzoic acid	ug/L	50 U	60 U	67 U	100 U	100 U	100 U	50 U	50 U
bis(2-Chloroethyl) methane	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Naphthalene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Hexachlorobutadiene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	50 U	60 U	67 U	100 U	100 U	100 U	50 U	50 U
2-Chloronaphthalene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
2-Nitroaniline	ug/L	50 U	60 U	67 U	100 U	100 U	100 U	50 U	50 U
Dimethylphalate	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Acenaphthylene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U

**ASH LANDFILL
RINSATE SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	WATER RINSATE N/A 12/02/91 X1202-7 150030	WATER RINSATE N/A 12/03/91 X1203-8 150031	WATER RINSATE N/A 12/04/91 X1204-9 150257	WATER RINSATE N/A 01/08/92 RINSATE 152153	WATER RINSATE N/A 01/09/92 RINSATE 152186	WATER RINSATE N/A 01/10/92 RINSATE 152261
Phenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Benzyl Alcohol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2-Methylphenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
bis(2-Chloroisopropyl) ether	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
4-Methylphenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Hexachloroethane	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Nitrobenzene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Isophorone	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2-Nitrophenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Benzoic acid	ug/L	50 U	50 U	54 U	57 U	54 U	51 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Naphthalene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	50 U	50 U	54 U	57 U	54 U	51 U
2-Chloronaphthalene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2-Nitroaniline	ug/L	50 U	50 U	54 U	57 U	54 U	51 U
Dimethylphalate	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Acenaphthylene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U

**ASH LANDFILL
RINSATE SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	WATER RINSATE N/A 11/04/91 X1104-1 148033	WATER RINSATE N/A 11/06/91 S1106-35 148461	WATER RINSATE N/A 11/06/91 X1106-2 148718	WATER RINSATE N/A 11/12/91 X1112-3 148636	WATER RINSATE N/A 11/13/91 X1113-4 148639	WATER RINSATE N/A 11/14/91 X1114-5 149183	WATER RINSATE N/A 11/15/91 S1511-81 149118	WATER RINSATE N/A 11/15/91 W1511-81 149122
3-Nitroaniline	ug/L	50 U	60 U	67 U	100 U	100 U	100 U	50 U	50 U
Acenaphthene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
2,4-Dinitrophenol	ug/L	50 U	60 U	67 U	100 U	100 U	100 U	50 U	50 U
4-Nitrophenol	ug/L	50 U	60 U	67 U	100 U	100 U	100 U	50 U	50 U
Dibenzofuran	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Diethylphthalate	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Fluorene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
4-Nitroaniline	ug/L	50 U	60 U	67 U	100 U	100 U	100 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	50 U	60 U	67 U	100 U	100 U	100 U	50 U	50 U
N-Nitrosodiphenylamine (1)	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Pentachlorophenol	ug/L	50 U	60 U	67 U	100 U	100 U	100 U	50 U	50 U
Phenanthrene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Anthracene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	12 U	13 U	2 J	21 U	21 U	10 U	10 U
Fluoranthene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Pyrene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Butylbenzylphthalate	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	20 U	24 U	27 U	42 U	41 U	42 U	20 U	20 U
Benzo(a)anthracene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Chrysene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	2 J
Di-n-octylphthalate	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
benzo(k)fluoranthene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Benzo(a)pyrene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Dibenzo(a,h)anthracene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	12 U	13 U	21 U	21 U	21 U	10 U	10 U

**ASH LANDFILL
RINSATE SEMIVOLATILE ORGANICS ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION DEPTH DATE MAIN ID LAB ID UNITS	WATER RINSATE N/A 12/02/91 X1202-7 150030	WATER RINSATE N/A 12/03/91 X1203-8 150031	WATER RINSATE N/A 12/04/91 X1204-9 150257	WATER RINSATE N/A 01/08/92 RINSATE 152153	WATER RINSATE N/A 01/08/92 RINSATE 152198	WATER RINSATE N/A 01/10/92 RINSATE 152281
3-Nitroaniline	ug/L	50 U	50 U	54 U	57 U	54 U	51 U
Acenaphthene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,4-Dinitrophenol	ug/L	50 U	50 U	54 U	57 U	54 U	51 U
4-Nitrophenol	ug/L	50 U	50 U	54 U	57 U	54 U	51 U
Dibenzofuran	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Diethylphthalate	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Fluorene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
4-Nitroaniline	ug/L	50 U	50 U	54 U	57 U	54 U	51 U
4,6-Dinitro-2-methylphenol	ug/L	50 U	50 U	54 U	57 U	54 U	51 U
N-Nitrosodiphenylamine (1)	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Pentachlorophenol	ug/L	50 U	50 U	54 U	57 U	54 U	51 U
Phenanthrene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Anthracene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Fluoranthene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Pyrene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Butylbenzylphthalate	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	20 U	20 U	22 U	23 U	22 U	20 U
Benzo(a)anthracene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Chrysene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	3 BU	11 U	9 BU	7 BU
Di-n-octylphthalate	ug/L	10 U	10 U	11 U	11 U	4 J	3 J
Benzo(b)fluoranthene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
benzo(k)fluoranthene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	11 U	11 U	11 U	10 U

**ASH LANDFILL
PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	11/04/91	11/08/91	11/08/91	11/12/91	11/13/91	11/14/91	11/15/91	11/15/91
	MAIN ID	X1104-1	S1106-35	X1106-2	X1112-3	X1113-4	X1114-5	S1511-81	W1511-81
	LAB ID	148033	148481	148718	148638	148639	149183	149118	149122
	UNITS								
alpha-BHC	ug/L	0.05 U	0.051 U	0.084 U	0.081 U	0.054 U	0.052 U	0.05 U	0.051 U
beta-BHC	ug/L	0.05 U	0.051 U	0.084 U	0.081 U	0.054 U	0.052 U	0.05 U	0.051 U
delta-BHC	ug/L	0.05 U	0.051 U	0.084 U	0.081 U	0.054 U	0.052 U	0.05 U	0.051 U
gamma-BHC (Lindane)	ug/L	0.05 U	0.051 U	0.084 U	0.081 U	0.054 U	0.052 U	0.05 U	0.051 U
Heptachlor	ug/L	0.05 U	0.051 U	0.084 U	0.081 U	0.054 U	0.052 U	0.05 U	0.051 U
Aldrin	ug/L	0.05 U	0.051 U	0.084 U	0.081 U	0.054 U	0.052 U	0.05 U	0.051 U
Heptachlor epoxide	ug/L	0.05 U	0.051 U	0.084 U	0.081 U	0.054 U	0.052 U	0.05 U	0.051 U
Endosulfan I	ug/L	0.05 U	0.051 U	0.084 U	0.081 U	0.054 U	0.052 U	0.05 U	0.051 U
Dieldrin	ug/L	0.1 U	0.1 U	0.13 U	0.12 U	0.11 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.13 U	0.12 U	0.11 U	0.1 U	0.1 U	0.1 U
Endrin	ug/L	0.1 U	0.1 U	0.13 U	0.12 U	0.11 U	0.1 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.13 U	0.12 U	0.11 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.13 U	0.12 U	0.11 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.13 U	0.12 U	0.11 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.13 U	0.12 U	0.11 U	0.1 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.5 U	0.51 U	0.64 U	0.61 U	0.54 U	0.52 U	0.5 U	0.51 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.13 U	0.12 U	0.11 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.5 U	0.51 U	0.64 U	0.61 U	0.54 U	0.52 U	0.5 U	0.51 U
gamma-Chlordane	ug/L	0.5 U	0.51 U	0.64 U	0.61 U	0.54 U	0.52 U	0.5 U	0.51 U
Toxaphene	ug/L	1 U	1 U	1.3 U	1.2 U	1.1 U	1 U	1 U	1 U
Aroclor-1018	ug/L	0.5 U	0.51 U	0.64 U	0.61 U	0.54 U	0.52 U	0.5 U	0.51 U
Aroclor-1221	ug/L	0.5 U	0.51 U	0.64 U	0.61 U	0.54 U	0.52 U	0.5 U	0.51 U
Aroclor-1232	ug/L	0.5 U	0.51 U	0.64 U	0.61 U	0.54 U	0.52 U	0.5 U	0.51 U
Aroclor-1242	ug/L	0.5 U	0.51 U	0.64 U	0.61 U	0.54 U	0.52 U	0.5 U	0.51 U
Aroclor-1248	ug/L	0.5 U	0.51 U	0.64 U	0.61 U	0.54 U	0.52 U	0.5 U	0.51 U
Aroclor-1254	ug/L	1 U	1 U	1.3 U	1.2 U	1.1 U	1 U	1 U	1 U
Aroclor-1260	ug/L	1 U	1 U	1.3 U	1.2 U	1.1 U	1 U	1 U	1 U

**ASH LANDFILL
RINSATE PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	12/02/91	12/03/91	12/04/91	01/08/92	01/09/92	01/10/92
	MAIN ID	X1202-7	X1203-8	X1204-9	RB1	RB2	RB3
	LAB ID	150030	150031	150257	152153	152188	152281
	UNITS						
alpha-BHC	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
beta-BHC	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
delta-BHC	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
Heptachlor	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
Aldrin	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
Heptachlor epoxide	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
Endosulfan I	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
Dieldrin	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Endrin	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
gamma-Chlordane	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Toxaphene	ug/L	1 U	1 U	1.1 U	1 U	1 U	1 U
Aroclor-1018	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1221	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1232	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1242	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1248	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1254	ug/L	1 U	1 U	1.1 U	1 U	1 U	1 U
Aroclor-1280	ug/L	1 U	1 U	1.1 U	1 U	1 U	1 U

**ASH LANDFILL
RINSATE PESTICIDE AND PCB ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	12/02/91	12/03/91	12/04/91	01/08/92	01/09/92	01/10/92
	MAIN ID	X1202-7	X1203-8	X1204-9	RB1	RB2	RB3
	LAB ID	150030	150031	150257	152153	152166	152281
	UNITS						
alpha-BHC	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
beta-BHC	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
delta-BHC	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
Heptachlor	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
Aldrin	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
Heptachlor epoxide	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
Endosulfan I	ug/L	0.05 U	0.051 U	0.054 U	0.05 U	0.05 U	0.052 U
Dieldrin	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Endrin	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
gamma-Chlordane	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Toxaphene	ug/L	1 U	1 U	1.1 U	1 U	1 U	1 U
Aroclor-1016	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1221	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1232	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1242	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1248	ug/L	0.5 U	0.51 U	0.54 U	0.5 U	0.5 U	0.52 U
Aroclor-1254	ug/L	1 U	1 U	1.1 U	1 U	1 U	1 U
Aroclor-1260	ug/L	1 U	1 U	1.1 U	1 U	1 U	1 U

**ASH LANDFILL
RINSATE INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX LOCATION	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE
	DEPTH	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	DATE	11/06/91	11/12/91	11/13/91	11/14/91	11/06/91	11/04/91	11/15/91	11/15/91
	MAIN ID	X1106-2	X1112-3	X1113-4	X1114-5	S1106-35	X1104-1	S1511-81	W1511-81
	LAB ID	148718	148938	148939	149183	148461	148033	149118	149122
	UNITS								
Aluminum	ug/l	109 U	109 U	109 U	109 U	109 U	485		
Antimony	ug/l	53.3 U	53.2 U	53 U	53.3 U	53.2 U	53.1 U	97.7 U	97.5 U
Arsenic	ug/l	3.7 U	3.7 U	3.7 U	3.7 U	4.3 U	2.8 U	55.6 U	55.6 U
Barium	ug/l	11.8 B	10.8 B	11.3 B	8.1 U	10.7 B	8.1 U	3.7 U	3.7 U
Beryllium	ug/l	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	5.1 U	5.1 U
Cadmium	ug/l	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	1.2 U	1.2 U
Calcium	ug/l	662 B	236 U	236 U	237 U	237 U	11000	2.9 U	2.9 U
Chromium	ug/l	9.6 U	9.6 U	9.5 U	9.6 U	9.6 U	9.5 U	227 U	226 U
Cobalt	ug/l	31.2 U	31.2 U	31.1 U	31.3 U	31.2 U	31.1 U	6.7 B	6.2 U
Copper	ug/l	19.7 U	19.6 U	19.5 U	19.7 U	19.6 U	19.6 U	19.9 U	19.8 U
Iron	ug/l	222	48.1 U	47.9 U	48.2 U	48.1 U	3080	14.4 U	14.4 U
Lead	ug/l	0.85 B	0.7 U	0.77 B	0.7 U	1.4 B	14.7	17 U	17 U
Magnesium	ug/l	290 U	289 U	288 U	290 U	243 U	243 U	0.7 U	0.7 U
Manganese	ug/l	7.9 U	7.9 U	7.8 U	7.9 U	7.9 U	135	352 U	352 U
Mercury	ug/l	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	3.2 U	3.2 U
Nickel	ug/l	35.1 U	35 U	34.9 U	35.2 U	35.1 U	35 U	0.08 U	0.08 U
Potassium	ug/l	1130 U	1130 U	1130 U	1130 U	2450 B	1130 U	15.9 U	15.9 U
Selenium	ug/l	17 U	1.7 U	1.7 U	1.7 U	17 U	1 B	631 U	630 U
Silver	ug/l	8 U	8 U	7.9 U	8 U	8 U	6 U	1.7 U	1.7 U
Sodium	ug/l	923000	407 U	408 U	408 U	9450000 U	562 B	9 U	9 U
Thallium	ug/l	28 U	2.8 U	2.8 U	2.8 U	28 U	2.8 U	322 U	322 U
Vanadium	ug/l	41.9 B	43.4 B	42 B	30.9 U	38.1 B	30.7 U	2.8 U	2.8 U
Zinc	ug/l	13.6 U	13.5 U	13.5 U	24	17.7 B	50.4	30.4 U	30.4 U
Cyanide	ug/l	10 U	10 U	11.2	10.1	10 U	10 U	16.2 B	15.3 B
								10 U	10 U

**ASH LANDFILL
RINSATE INORGANICS ANALYSIS RESULTS**

ANALYTE	MATRIX LOCATION	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE
	DEPTH	DATE	DATE	DATE	DATE	DATE	DATE
UNITS	MAIN ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
		150030	150031	150257	152153	152106	152261
Aluminum	ug/l						
Antimony	ug/l	97.7 U	98.1 U	24.5 U	97.4 U	98 U	98.2 U
Arsenic	ug/l	55.6 U	55.9 U	53.2 U	58.3 B	53.4 U	55.9 U
Barium	ug/l	3.7 U	3.7 U	2.8 U	3.5 U	3.5 U	3.5 U
Beryllium	ug/l	8.1 B	7 B	4.3 U	5.1 U	5.1 U	5.1 U
Cadmium	ug/l	1.3 B	1.2 B	1.3 B	1.9 B	1.4 B	1.6 B
Calcium	ug/l	2.9 U	2.9 U	3 U	2.9 U	2.9 U	2.9 U
Chromium	ug/l	227 U	1170 B	195 U	226 U	227 U	226 U
Cobalt	ug/l	6.2 U	6.2 U	6.2 U	6.1 U	6.2 U	6.2 U
Copper	ug/l	19.9 U	20 U	20.4 U	19.8 U	19.9 U	20 U
Iron	ug/l	14.4 U	16.6 B	10.2 U	14.4 U	14.5 U	14.5 U
Lead	ug/l	272	268	21.2 B	16.9 U	148	17.1 U
Magnesium	ug/l	0.7 U	0.83	0.7 U	1.2 U	1.2 U	1.2 U
Manganese	ug/l	352 U	354 U	290 U	351 U	353 U	354 U
Mercury	ug/l	6.5 B	7.9 B	4.8 U	3.2 U	3.2 U	3.2 U
Nickel	ug/l	0.08 U	0.08 U	0.08 U	0.1 B	0.13 B	0.12 B
Potassium	ug/l	15.9 U	16 U	14.8 U	15.9 U	16 U	16 U
Selenium	ug/l	631 U	634 U	269 U	629 U	633 U	634 U
Silver	ug/l	1 U	1 U	1 U	1 U	1 U	1 U
Sodium	ug/l	9 U	9.1 U	3.4 U	9 U	9.1 U	9.1 U
Thallium	ug/l	322 U	324 U	235 U	321 U	323 U	324 U
Vanadium	ug/l	2.8 U	2.8 U	2.8 U	3.2 U	3.2 U	3.2 U
Zinc	ug/l	30.4 U	30.5 U	19.8 B	30.3 U	30.5 U	30.6 U
Cyanide	ug/l	17.5 B	27.9	8.5 U	14.2 B	18.7 B	13.5 U
		10 U	10 U	10 U	10 U	10 U	10 U

**ASH LANDFILL
RINSATE HERBICIDES ANALYSIS RESULTS**

COMPOUND	MATRIX LOCATION	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE	WATER RINSATE
	DEPTH	DATE	DATE	N/A	N/A	N/A
	MAIN ID	X1203-8	X1204-8	01/08/92	01/08/92	01/10/92
	LAB ID	150031	150257	152153	152168	152261
	UNITS					
2,4-D	ug/L	1 U	1 U	1 U	1 U	1.1 U
2,4-DB	ug/L	1 U	1 U	1 U	1 U	1.1 U
2,4,5-T	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2,4,5-TP (Silver)	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dasapon	ug/L	2.3 U	2.3 U	2.3 U	2.3 U	2.4 U
Dicamba	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dichloroprop	ug/L	1 U	1 U	1 U	1 U	1.1 U
Dinoseb	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
MCPA	ug/L	100 U	100 U	100 U	100 U	110 U
MCPP	ug/L	100 U	100 U	100 U	100 U	110 U