

**QUARTERLY REPORT  
QUALITY ASSURED DATA RECEIVED  
BETWEEN APRIL 1, 2002 AND JUNE 30, 2002**

**FOR**

**SMALL ARMS RANGE – LAKE HOUSING (SEAD-119)  
SOIL CHEMICAL DATA  
ASH LANDFILL GROUNDWATER CHEMICAL DATA**

Prepared for:

SENECA ARMY DEPOT ACTIVITY  
ROMULUS, NEW YORK 14541

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Contract Number DACA87-95-D-0031

July 2002

**QUARTERLY REPORT  
QUALITY ASSURED DATA RECEIVED  
BETWEEN JANUARY 1, 2002 AND MARCH 31, 2002**

- Small Arms Range – Lake Shore Housing (SEAD-119) Soil Chemical Data Collected in April 2002
- Ash Landfill Groundwater Chemical Data Collected in April 2002

SMALL ARMS RANGE - LAKE HOUSING (SEAD-119)  
VALIDATED DATA  
SDG 87454

	STUDY ID: SEAD-119		SEAD-119		SEAD-119		SEAD-119		SEAD-119		
	SDG:	87454	87454	87454	87454	87454	87454	87454	87454	87454	
	LOC ID:	SS119-A1-98	SS119-A2-24	SS119-A3-04	SS119-B1-37	SS119-B2-36					
	SAMP_ID:	119-1001	119-1004	119-1007	119-1002	119-1005					
	FIELD QC CODE:	SA	SA	SA	SA	SA					
	SAMP. DEPTH TOP:	0	0	0	0	0					
	SAMP. DEPTH BOT:	0.2	0.2	0.2	0.2	0.2					
	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL					
	SAMP. DATE	11-Apr-02	11-Apr-02	11-Apr-02	11-Apr-02	11-Apr-02					
	UNIT	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,3,5-Trinitrobenzene	UG/KG	120	U	120	U	120	U	120	U	120	U
1,3-Dinitrobenzene	UG/KG	120	U	120	U	120	U	120	U	120	U
2,4,6-Trinitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
2,4-Dinitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
2,6-Dinitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
2-Nitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
2-amino-4,6-Dinitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
3-Nitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
4-Nitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
4-amino-2,6-Dinitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
HMX	UG/KG	120	U	120	U	120	U	120	U	120	U
Nitrobenzene	UG/KG	120	U	120	U	120	U	120	U	120	U
RDX	UG/KG	120	U	120	U	120	U	120	U	120	U
Tetryl	UG/KG	120	U	120	U	120	U	120	U	120	U
Aluminum	MG/KG	13700		14500		15200		18100		12500	
Antimony	MG/KG	0.24		0.41		0.74		0.31		0.23	U
Arsenic	MG/KG	5.1	J	4.8	J	5.7	J	4.8	J	4.8	J
Barium	MG/KG	98.2		92.5		99.9		114		95	
Beryllium	MG/KG	0.78	J	0.75	J	0.86	J	1.1	J	0.77	J
Cadmium	MG/KG	0.4		0.41		0.43		0.52		0.45	
Calcium	MG/KG	17600		5060		9680		5930		47200	
Chromium	MG/KG	18.1	J	19.5	J	20.3	J	25.6	J	17.1	J
Cobalt	MG/KG	7.4		8.7		9.3		7.9		6.7	
Copper	MG/KG	13.9	J	15.5	J	18.4	J	18.3	J	14.3	J
Cyanide	MG/KG	0.62	U	0.59	U	0.69	U	0.72	U	0.58	U
Iron	MG/KG	17500		19200		20300		24200		18200	
Lead	MG/KG	21.5	J	22.9	J	31.6	J	20.9	J	17.7	J
Magnesium	MG/KG	4950		4230		5280		5010		19200	
Manganese	MG/KG	454		482		531		422		530	
Mercury	MG/KG	0.038		0.033		0.047		0.047		0.031	
Nickel	MG/KG	17.7		19.4		21.8		26.1		17	
Potassium	MG/KG	1820		1860		2070		2570		1860	
Selenium	MG/KG	0.25	U	0.26	U	0.31		0.33	U	0.26	
Silver	MG/KG	0.25		0.24		0.26		0.26		0.32	
Sodium	MG/KG	44.4	U	44.8	U	50.5	U	57.2	U	44.1	U
Thallium	MG/KG	0.42	U	0.42	U	0.48	U	0.54	U	0.42	U
Vanadium	MG/KG	24.4	J	27	J	29.5	J	31.8	J	25.4	J
Zinc	MG/KG	68.2	J	78.7	J	95	J	102	J	78.2	J

SMALL ARMS RANGE - LAKE HOUSING (SEAD-119)  
VALIDATED DATA  
SDG 87454

	STUDY ID:	SEAD-119		SEAD-119		SEAD-119		SEAD-119		SEAD-119	
		SDG:	87454		87454		87454		87454		87454
	LOC ID:	SS119-B3-09		SS119-B3-09		SS119-B4-52		SS119-B5-52		SS119-Behind Bern	
	SAMP_ID:	119-1008		119-1000		119-1010		119-1011		119-1016	
	FIELD QC CODE:	SA		SA		SA		SA		SA	
	SAMP. DEPTH TOP:	0		0		0		0		0	
	SAMP. DEPTH BOT:	0.2		0.2		0.2		0.2		0.2	
	MATRIX	SOIL		SOIL		SOIL		SOIL		SOIL	
	SAMP. DATE	11-Apr-02		11-Apr-02		11-Apr-02		11-Apr-02		11-Apr-02	
	UNIT	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,3,5-Trinitrobenzene	UG/KG	120	U	120	U	120	U	120	U	120	U
1,3-Dinitrobenzene	UG/KG	120	U	120	U	120	U	120	U	120	U
2,4,6-Trinitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
2,4-Dinitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
2,6-Dinitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
2-Nitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
2-amino-4,6-Dinitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
3-Nitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
4-Nitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
4-amino-2,6-Dinitrotoluene	UG/KG	120	U	120	U	120	U	120	U	120	U
HMX	UG/KG	120	U	120	U	120	U	120	U	120	U
Nitrobenzene	UG/KG	120	U	120	U	120	U	120	U	120	U
RDX	UG/KG	120	U	120	U	120	U	120	U	120	U
Tetryl	UG/KG	120	U	120	U	120	U	120	U	120	U
Aluminum	MG/KG	15100		15500		15100		15700		13900	
Antimony	MG/KG	0.46		0.53		0.39		0.42		0.47	
Arsenic	MG/KG	5.2	J	4.3	J	5.1	J	5.3	J	5.3	J
Barium	MG/KG	99.3		100		90.1		97.4		68.3	
Beryllium	MG/KG	0.83	J	0.75	J	0.76	J	0.79	J	0.78	J
Cadmium	MG/KG	0.43		0.42		0.44		0.44		0.45	
Calcium	MG/KG	4920		4390		4950		5420		42900	
Chromium	MG/KG	20.1	J	20.6	J	20	J	20.4	J	22.7	J
Cobalt	MG/KG	7.8		7.6		8.3		8.9		10.7	
Copper	MG/KG	16.3	J	16.9	J	15.5	J	16.3	J	16.9	J
Cyanide	MG/KG	0.6	U	0.69	U	0.72	U	0.67	U	0.57	U
Iron	MG/KG	20600		20800		19900		20100		26400	
Lead	MG/KG	24	J	24.3	J	22.7	J	21.7	J	11	J
Magnesium	MG/KG	3990		3610		4140		4170		13900	
Manganese	MG/KG	354		280		391		552		477	
Mercury	MG/KG	0.03		0.033		0.033		0.03		0.021	
Nickel	MG/KG	20		20.7		19.6		20.2		30.1	
Potassium	MG/KG	2120		2200		2040		2150		1810	
Selenium	MG/KG	0.26	U	0.3	U	0.25	U	0.29	U	0.24	U
Silver	MG/KG	0.33		0.18	U	0.15	U	0.23		0.14	U
Sodium	MG/KG	44.9	U	51.9	U	44.6	U	51	U	54.5	U
Thallium	MG/KG	0.42	U	0.49	U	0.42	U	0.48	U	0.4	U
Vanadium	MG/KG	29.5	J	26.1	J	29.4	J	29.3	J	22	J
Zinc	MG/KG	73.3	J	64.9	J	104	J	91.2	J	74.2	J

**SMALL ARMS RANGE - LAKE HOUSING (SEAD-119)**  
**VALIDATED DATA**  
**SDG 87454**

	STUDY ID:	SEAD-119	SEAD-119	SEAD-119	SEAD-119				
	SDG:	87454	87454	87454	87454				
	LOC ID:	SS119-Benn 0,0	SS119-Benn 0,150	SS119-Benn 0,250	SS119-Benn 0,75				
	SAMP_ID:	119-1012	119-1014	119-1015	119-1013				
	FIELD QC CODE:	SA	SA	SA	SA				
	SAMP. DEPTH TOP:	0	0	0	0				
	SAMP. DEPTH BOT:	0.2	0.2	0.2	0.2				
	MATRIX:	SOIL	SOIL	SOIL	SOIL				
	SAMP. DATE:	11-Apr-02	11-Apr-02	11-Apr-02	11-Apr-02				
	UNIT	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
1,3,5-Trinitrobenzene	UG/KG	120	U	120	U	120	U	120	U
1,3-Dinitrobenzene	UG/KG	120	U	120	U	120	U	120	U
2,4,6-Trinitrotoluene	UG/KG	120	U	120	U	120	U	120	U
2,4-Dinitrotoluene	UG/KG	120	U	120	U	120	U	120	U
2,6-Dinitrotoluene	UG/KG	120	U	120	U	120	U	120	U
2-Nitrotoluene	UG/KG	120	U	120	U	120	U	120	U
2-amino-4,6-Dinitrotoluene	UG/KG	120	U	120	U	120	U	120	U
3-Nitrotoluene	UG/KG	120	U	120	U	120	U	120	U
4-Nitrotoluene	UG/KG	120	U	120	U	120	U	120	U
4-amino-2,6-Dinitrotoluene	UG/KG	120	U	120	U	120	U	120	U
HMX	UG/KG	120	U	120	U	120	U	120	U
Nitrobenzene	UG/KG	120	U	120	U	120	U	120	U
RDX	UG/KG	120	U	120	U	120	U	120	U
Tetryl	UG/KG	120	U	120	U	120	U	120	U
Aluminum	MG/KG	12100		14300		14200		11100	
Antimony	MG/KG	0.54		0.4		0.33		0.48	
Arsenic	MG/KG	3.8	J	5.2	J	4.4	J	9.5	J
Barium	MG/KG	93.8		66.1		74.7		72.6	
Beryllium	MG/KG	0.74	J	0.84	J	0.9	J	0.72	J
Cadmium	MG/KG	0.42		0.48		0.43		0.45	
Calcium	MG/KG	51800		39800		78200		80900	
Chromium	MG/KG	18.9	J	25	J	24.2	J	18.2	J
Cobalt	MG/KG	8.2		17.3		11.4		8.3	
Copper	MG/KG	18.6	J	18.8	J	20	J	30.2	J
Cyanide	MG/KG	0.65	U	0.58	U	0.57	U	0.65	U
Iron	MG/KG	19500		30000		26300		19800	
Lead	MG/KG	10.6	J	12.6	J	6.4	J	11.1	J
Magnesium	MG/KG	11000		9500		9790		15400	
Manganese	MG/KG	391		587		769		430	
Mercury	MG/KG	0.026		0.02	U	0.019	U	0.021	
Nickel	MG/KG	25.4		42.1	J	35.7		24.7	
Potassium	MG/KG	2670		2120		2220		2330	
Selenium	MG/KG	0.25	U	0.23	U	0.24	U	0.26	U
Silver	MG/KG	0.31		0.3		0.32		0.29	
Sodium	MG/KG	71		93		99.1		78.4	
Thallium	MG/KG	0.42	U	0.39	U	0.4	U	0.43	U
Vanadium	MG/KG	22.1	J	20	J	22	J	21.5	J
Zinc	MG/KG	74.3	J	70.5	J	64.9	J	83.3	J

SMALL ARMS RANGE - LAKE HOUSING (SEAD-119)  
VALIDATED DATA  
SDG 87454

	STUDY ID:	SEAD-119	SEAD-119	SEAD-119	SEAD-119	SEAD-119	
	SDG:	87454	87454	87454	87454	87454	
	LOC ID:	SS119-C1-32	SS119-C2-05	SS119-C3-06	SS119-Creek, N D4	SS119-FL A1	
	SAMP_ID:	119-1003	119-1006	119-1009	119-1018	119-1018	
	FIELD QC CODE:	SA	DU	SA	SA	SA	
	SAMP. DEPTH TOP:	0	0	0	0	0	
	SAMP. DEPTH BOT:	0.2	0.2	0.2	0.2	0.2	
	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	
	SAMP. DATE	11-Apr-02	11-Apr-02	11-Apr-02	11-Apr-02	11-Apr-02	
	UNIT	VALUE	Q	VALUE	Q	VALUE	Q
1,3,5-Trinitrobenzene	UG/KG	120	U	120	U	120	U
1,3-Dinitrobenzene	UG/KG	120	U	120	U	120	U
2,4,6-Trinitrotoluene	UG/KG	120	U	120	U	120	U
2,4-Dinitrotoluene	UG/KG	120	U	120	U	120	U
2,6-Dinitrotoluene	UG/KG	120	U	120	U	120	U
2-Nitrotoluene	UG/KG	120	U	120	U	120	U
2-amino-4,6-Dinitrotoluene	UG/KG	120	U	120	U	120	U
3-Nitrotoluene	UG/KG	120	U	120	U	120	U
4-Nitrotoluene	UG/KG	120	U	120	U	120	U
4-amino-2,6-Dinitrotoluene	UG/KG	120	U	120	U	120	U
HMX	UG/KG	120	U	120	U	120	U
Nitrobenzene	UG/KG	120	U	120	U	120	U
RDX	UG/KG	120	U	120	U	120	U
Tetryl	UG/KG	120	U	120	U	120	U
Aluminum	MG/KG	16100		16000		9630	
Antimony	MG/KG	0.44		0.26 U		0.22	
Arsenic	MG/KG	4.3 J		4.1 J		2.6 J	
Barium	MG/KG	104		89.8		54	
Beryllium	MG/KG	0.98 J		0.84 J		0.44 J	
Cadmium	MG/KG	0.51		0.41		0.26	
Calcium	MG/KG	4500		9650		2700	
Chromium	MG/KG	22.9 J		22.2 J		12.4 J	
Cobalt	MG/KG	7.1		7.2		4.1	
Copper	MG/KG	16.5 J		14.3 J		7.9 J	
Cyanide	MG/KG	0.77 U		0.75 U		0.75 U	
Iron	MG/KG	21500		21200		19000	
Lead	MG/KG	20.2 J		15.8 J		12.9 J	
Magnesium	MG/KG	4380		4350		2260	
Manganese	MG/KG	396		373		162	
Mercury	MG/KG	0.044		0.034		0.015	
Nickel	MG/KG	23.1		21.9		10.3	
Potassium	MG/KG	2330		2020		1160	
Selenium	MG/KG	0.31		0.29 U		0.19 U	
Silver	MG/KG	0.21		0.17 U		0.12	
Sodium	MG/KG	53.5 U		49.9 U		33.3 U	
Thallium	MG/KG	0.5 U		0.47 U		0.31 U	
Vanadium	MG/KG	28.5 J		27.8 J		18.2 J	
Zinc	MG/KG	83 J		75.5 J		43.2 J	

ASH LANDFILL  
VALIDATED DATA  
SDG 87428

	STUDY ID:	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN
	SDG:	87428	87428	87428	87428	87428
	LOC ID:	BN-S	FH-D	FH-S	MW-28	MW-30
	SAMP_ID:	ARD2168	ARD2169	ARD2170	ARD2171	ARD2172
	FIELD QC CODE:	SA	SA	SA	SA	SA
	SAMP. DEPTH TOP:	0	0	0	10.39	10.52
	SAMP. DEPTH BOT:	0	0	0	10.39	10.52
	MATRIX	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
	SAMP. DATE	4/10/2002	4/10/2002	4/10/2002	4/8/2002	4/10/2002
	UNIT	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
1,1,1,2-Tetrachloroethane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,1,1-Trichloroethane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,1,2,2-Tetrachloroethane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L				1 U	
1,1,2-Trichloroethane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,1-Dichloroethane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,1-Dichloroethene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,1-Dichloropropene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,2,3-Trichlorobenzene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,2,3-Trichloropropane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,2,4-Trichlorobenzene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,2,4-Trimethylbenzene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,2-Dibromo-3-chloropropane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,2-Dibromoethane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,2-Dichlorobenzene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,2-Dichloroethane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,2-Dichloroethene (total)	UG/L				13	
1,2-Dichloropropane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,3,5-Trimethylbenzene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,3-Dichlorobenzene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,3-Dichloropropane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,4-Dichlorobenzene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
1,4-Dioxane	UG/L				50 R	
2,2-Dichloropropane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
2-Chloroethylvinylether	UG/L				1 U	
2-Chlorotoluene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
2-Nitropropane	UG/L	420 U	25 U	25 U		25 U

ASH LANDFILL  
VALIDATED DATA  
SDG 87428

	STUDY ID:	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN
	SDG:	87428	87428	87428	87428	87428
	LOC ID:	BN-S	FH-D	FH-S	MW-28	MW-30
	SAMP_ID:	ARD2168	ARD2169	ARD2170	ARD2171	ARD2172
	FIELD QC CODE:	SA	SA	SA	SA	SA
	SAMP. DEPTH TOP:	0	0	0	10.39	10.52
	SAMP. DEPTH BOT:	0	0	0	10.39	10.52
	MATRIX	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
	SAMP. DATE	4/10/2002	4/10/2002	4/10/2002	4/8/2002	4/10/2002
	UNIT	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Acetone	UG/L	84 UJ	5 UJ	5 UJ	5 U	5 UJ
Acrolein	UG/L				5 R	
Acrylonitrile	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Allyl chloride	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Benzene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Bromobenzene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Bromochloromethane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Bromodichloromethane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Bromoform	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Butyl chloride	UG/L	8.4 U	0.5 U	0.5 U		0.5 U
Carbon disulfide	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Carbon tetrachloride	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Chloroacetonitrile	UG/L	420 R	25 R	25 R		25 R
Chlorobenzene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Chlorodibromomethane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Chloroethane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Chloroform	UG/L	8.4 U	0.46 J	0.48 J	1 U	0.5 U
Chloroprene	UG/L				1 U	
Cis-1,2-Dichloroethene	UG/L	8.4 U	0.5 U	0.5 U	12	0.5 U
Cis-1,3-Dichloropropene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Dichlorodifluoromethane	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Dichloromethyl methyl ketone	UG/L	420 R	25 R	25 R		25 R
Ethyl benzene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Ethyl ether	UG/L	8.4 U	0.5 U	0.5 U		0.5 U
Ethyl methacrylate	UG/L	8.4 UJ	0.5 UJ	0.5 UJ	1 UJ	0.5 UJ
Hexachlorobutadiene	UG/L	8.4 UJ	0.5 UJ	0.5 UJ	1 U	0.5 UJ
Hexachloroethane	UG/L	8.4 U	0.5 U	0.5 U		0.5 U
Isobutyl alcohol	UG/L				50 R	
Isopropylbenzene	UG/L	8.4 U	0.5 U	0.5 U	1 U	0.5 U
Meta/Para Xylene	UG/L	8.4 U	0.5 U	0.5 U		0.5 U



**ASH LANDFILL  
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	STUDY ID: REMEDIAL DESIGN		REMEDIAL DESIGN		REMEDIAL DESIGN		REMEDIAL DESIGN		REMEDIAL DESIGN		
	SDG:	87428	87428	87428	87428	87428	87428	87428	87428	87428	
	LOC ID:	BN-S	FH-D	FH-S	MW-28	MW-30					
	SAMP_ID:	ARD2168	ARD2169	ARD2170	ARD2171	ARD2172					
	FIELD QC CODE:	SA	SA	SA	SA	SA					
	SAMP. DEPTH TOP:	0	0	0	10.39	10.52					
	SAMP. DEPTH BOT:	0	0	0	10.39	10.52					
	MATRIX	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER					
	SAMP. DATE	4/10/2002	4/10/2002	4/10/2002	4/8/2002	4/10/2002					
	UNIT	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q	VALUE	Q
Methacrylonitrile	UG/L	8.4	UJ	0.5	UJ	0.5	UJ	1	U	0.5	UJ
Methyl 2-propenoate	UG/L	8.4	U	0.5	U	0.5	U			0.5	U
Methyl Tertbutyl Ether	UG/L	370		0.5	U	0.5	U	1	U	0.5	U
Methyl bromide	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Methyl butyl ketone	UG/L	42	UJ	2.5	UJ	2.5	UJ	5	U	2.5	UJ
Methyl chloride	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Methyl ethyl ketone	UG/L	84	R	5	R	5	R	5	U	5	R
Methyl iodide	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Methyl isobutyl ketone	UG/L	42	U	2.5	U	2.5	U	5	U	2.5	U
Methyl methacrylate	UG/L	8.4	UJ	0.5	UJ	0.5	UJ	1	U	0.5	UJ
Methylene bromide	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Methylene chloride	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Naphthalene	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Nitrobenzene	UG/L	420	R	25	R	25	R			25	R
Ortho Xylene	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Pentachloroethane	UG/L	8.4	U	0.5	U	0.5	U			0.5	U
Propionitrile	UG/L	420	R	25	R	25	R	4	R	25	R
Propylbenzene	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Styrene	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Tetrachloroethene	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Tetrahydrofuran	UG/L	42	U	2.5	U	2.5	U	14	U	2.5	U
Toluene	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Total Xylenes	UG/L	8.4	U	0.5	U	0.5	U			0.5	U
Total Xylenes-A	UG/L							1	U		
Total Xylenes-B	UG/L							1	U		
Trans-1,2-Dichloroethene	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Trans-1,3-Dichloropropene	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Trans-1,4-Dichloro-2-butene	UG/L	8.4	UJ	0.5	UJ	0.5	UJ	1	U	0.5	UJ
Trichloroethene	UG/L	8.4	U	0.5	U	0.5	U	16		0.5	U
Trichlorofluoromethane	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
Vinyl acetate	UG/L							1	U		
Vinyl chloride	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
cis-1,4-Dichloro-2-butene	UG/L							1	U		
n-Butylbenzene	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
p-Chlorotoluene	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
p-Isopropyltoluene	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
sec-Butylbenzene	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U
tert-Butylbenzene	UG/L	8.4	U	0.5	U	0.5	U	1	U	0.5	U

ASH LANDFILL  
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	STUDY ID:	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN
	SDG:	87428	87428	87428	87428	87428
	LOC ID:	MW-56	MWT-1	MWT-10	MWT-11	MWT-3
	SAMP_ID:	ARD2173	TR2081	TR2087	TR2088	TR2082
	FIELD QC CODE:	SA	SA	SA	SA	SA
	SAMP. DEPTH TOP:	6.88	9.75	8.95	9.95	10
	SAMP. DEPTH BOT:	6.88	9.75	8.95	9.95	10
	MATRIX	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
	SAMP. DATE	4/10/2002	4/9/2002	4/9/2002	4/10/2002	4/9/2002
	UNIT	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
1,1,1,2-Tetrachloroethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L					
1,1,2-Trichloroethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene (total)	UG/L					
1,2-Dichloropropane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
1,4-Dioxane	UG/L					
2,2-Dichloropropane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
2-Chloroethylvinylether	UG/L					
2-Chlorotoluene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
2-Nitropropane	UG/L	25 U	90 U	25 U	25 U	25 U

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	STUDY ID: SDG: LOC ID: SAMP_ID: FIELD QC CODE: SAMP. DEPTH TOP: SAMP. DEPTH BOT: MATRIX SAMP. DATE	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN
		87428 MW-56 ARD2173 SA 6.88 6.88 GROUNDWATER 4/10/2002	87428 MWT-1 TR2081 SA 9.75 9.75 GROUNDWATER 4/9/2002	87428 MWT-10 TR2087 SA 8.95 8.95 GROUNDWATER 4/9/2002	87428 MWT-11 TR2088 SA 9.95 9.95 GROUNDWATER 4/10/2002	87428 MWT-3 TR2082 SA 10 10 GROUNDWATER 4/9/2002
	UNIT	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Acetone	UG/L	5 UJ	25 J	5 UJ	5 UJ	5 UJ
Acrolein	UG/L					
Acrylonitrile	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Allyl chloride	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Benzene	UG/L	0.5 U	1.8 U	0.46 J	0.5 U	0.28 J
Bromobenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Bromoform	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Butyl chloride	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Carbon disulfide	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Chloroacetonitrile	UG/L	25 R	90 R	25 R	25 R	25 R
Chlorobenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Chlorodibromomethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Chloroethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Chloroform	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Chloroprene	UG/L					
Cis-1,2-Dichloroethene	UG/L	1.1	64	2.9	0.5 U	28
Cis-1,3-Dichloropropene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Dichloromethyl methyl ketone	UG/L	25 R	90 R	25 R	25 R	25 R
Ethyl benzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Ethyl ether	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Ethyl methacrylate	UG/L	0.5 UJ	1.8 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Hexachlorobutadiene	UG/L	0.5 UJ	1.8 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Hexachloroethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Isobutyl alcohol	UG/L					
Isopropylbenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Meta/Para Xylene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U

**ASH LANDFILL  
VALIDATED DATA  
SDG 87428**

	STUDY ID: SDG: LOC ID: SAMP_ID: FIELD QC CODE: SAMP. DEPTH TOP: SAMP. DEPTH BOT: MATRIX SAMP. DATE	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN
		87428 MW-56 ARD2173 SA 6.88 6.88 GROUNDWATER 4/10/2002	87428 MWT-1 TR2081 SA 9.75 9.75 GROUNDWATER 4/9/2002	87428 MWT-10 TR2087 SA 8.95 8.95 GROUNDWATER 4/9/2002	87428 MWT-11 TR2088 SA 9.95 9.95 GROUNDWATER 4/10/2002	87428 MWT-3 TR2082 SA 10 10 GROUNDWATER 4/9/2002
	UNIT	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Methacrylonitrile	UG/L	0.5 UJ	1.8 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Methyl 2-propenoate	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Methyl Tertbutyl Ether	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Methyl bromide	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Methyl butyl ketone	UG/L	2.5 UJ	9 UJ	2.5 UJ	2.5 UJ	2.5 UJ
Methyl chloride	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Methyl ethyl ketone	UG/L	5 R	18 R	5 R	5 R	5 R
Methyl iodide	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Methyl isobutyl ketone	UG/L	2.5 U	9 U	2.5 U	2.5 U	2.5 U
Methyl methacrylate	UG/L	0.5 UJ	1.8 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Methylene bromide	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Methylene chloride	UG/L	0.5 U	7.2 J	0.5 U	0.5 U	0.5 U
Naphthalene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Nitrobenzene	UG/L	25 R	90 R	25 R	25 R	25 R
Ortho Xylene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Pentachloroethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Propionitrile	UG/L	25 R	90 R	25 R	25 R	25 R
Propylbenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Styrene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran	UG/L	2.5 U	9 U	2.5 U	2.5 U	2.5 U
Toluene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Total Xylenes	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Total Xylenes-A	UG/L					
Total Xylenes-B	UG/L					
Trans-1,2-Dichloroethene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.25 J
Trans-1,3-Dichloropropene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-butene	UG/L	0.5 UJ	1.8 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Trichloroethene	UG/L	0.5 U	17	0.5 U	0.5 U	5.2
Trichlorofluoromethane	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
Vinyl acetate	UG/L					
Vinyl chloride	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
cis-1,4-Dichloro-2-butene	UG/L					
n-Butylbenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
p-Chlorotoluene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
p-Isopropyltoluene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	UG/L	0.5 U	1.8 U	0.5 U	0.5 U	0.5 U

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	STUDY ID:	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN
	SDG:	87428	87428	87428	87428	87428
	LOC ID:	MWT-4	MWT-6	MWT-6	MWT-7	MWT-9
	SAMP_ID:	TR2083	TR2089	TR2084	TR2085	TR2086
	FIELD QC CODE:	SA	DU	SA	SA	SA
	SAMP. DEPTH TOP:	12.28	12.42	12.42	13.97	14.08
	SAMP. DEPTH BOT:	12.28	12.42	12.42	13.97	14.08
	MATRIX	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
	SAMP. DATE	4/9/2002	4/9/2002	4/9/2002	4/9/2002	4/9/2002
	UNIT	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
1,1,1,2-Tetrachloroethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,1,1-Trichloroethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,1,2,2-Tetrachloroethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L					
1,1,2-Trichloroethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,1-Dichloroethane	UG/L	1.8 U	0.35 J	0.34 J	11 U	2 U
1,1-Dichloroethene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,1-Dichloropropene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,2,3-Trichlorobenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,2,3-Trichloropropane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,2,4-Trichlorobenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,2,4-Trimethylbenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,2-Dibromo-3-chloropropane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,2-Dibromoethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,2-Dichlorobenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,2-Dichloroethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,2-Dichloroethene (total)	UG/L					
1,2-Dichloropropane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,3,5-Trimethylbenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,3-Dichlorobenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,3-Dichloropropane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,4-Dichlorobenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
1,4-Dioxane	UG/L					
2,2-Dichloropropane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
2-Chloroethylvinylether	UG/L					
2-Chlorotoluene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
2-Nitropropane	UG/L	90 U	25 U	25 U	550 U	100 U

**ASH LANDFILL  
VALIDATED DATA  
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	STUDY ID: SDG: LOC ID: SAMP ID: FIELD QC CODE: SAMP. DEPTH TOP: SAMP. DEPTH BOT: MATRIX SAMP. DATE:	REMEDIAL DESIGN 87428 MWT-4 TR2083 SA 12.28 12.28 GROUNDWATER 4/9/2002	REMEDIAL DESIGN 87428 MWT-6 TR2089 DU 12.42 12.42 GROUNDWATER 4/9/2002	REMEDIAL DESIGN 87428 MWT-6 TR2084 SA 12.42 12.42 GROUNDWATER 4/9/2002	REMEDIAL DESIGN 87428 MWT-7 TR2085 SA 13.97 13.97 GROUNDWATER 4/9/2002	REMEDIAL DESIGN 87428 MWT-9 TR2086 SA 14.08 14.08 GROUNDWATER 4/9/2002
	UNIT	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Acetone	UG/L	24 J	5 UJ	5 UJ	110 UJ	20 UJ
Acrolein	UG/L					
Acrylonitrile	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Allyl chloride	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Benzene	UG/L	1.8 U	0.42 J	0.38 J	11 U	2 U
Bromobenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Bromochloromethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Bromodichloromethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Bromoform	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Butyl chloride	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Carbon disulfide	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Carbon tetrachloride	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Chloroacetonitrile	UG/L	90 R	25 R	25 R	550 R	100 R
Chlorobenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Chlorodibromomethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Chloroethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Chloroform	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Chloroprene	UG/L					
Cis-1,2-Dichloroethene	UG/L	56	8.2	8	28	82
Cis-1,3-Dichloropropene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Dichlorodifluoromethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Dichloromethyl methyl ketone	UG/L	90 R	25 R	25 R	550 R	100 R
Ethyl benzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Ethyl ether	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Ethyl methacrylate	UG/L	1.8 UJ	0.5 UJ	0.5 UJ	11 UJ	2 UJ
Hcxachlorobutadiene	UG/L	1.8 UJ	0.5 UJ	0.5 UJ	11 UJ	2 UJ
Hexachloroethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Isobutyl alcohol	UG/L					
Isopropylbenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Meta/Para Xylene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U

**ASH LANDFILL  
VALIDATED DATA  
SDG 87428**

	STUDY ID:	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN	REMEDIAL DESIGN
	SDG:	87428	87428	87428	87428	87428
	LOC ID:	MWT-4	MWT-6	MWT-6	MWT-7	MWT-9
	SAMP_ID:	TR2083	TR2089	TR2084	TR2085	TR2086
	FIELD QC CODE:	SA	DU	SA	SA	SA
	SAMP. DEPTH TOP:	12.28	12.42	12.42	13.97	14.08
	SAMP. DEPTH BOT:	12.28	12.42	12.42	13.97	14.08
	MATRIX	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER	GROUNDWATER
	SAMP. DATE	4/9/2002	4/9/2002	4/9/2002	4/9/2002	4/9/2002
	UNIT	VALUE Q	VALUE Q	VALUE Q	VALUE Q	VALUE Q
Methacrylonitrile	UG/L	1.8 UJ	0.5 UJ	0.5 UJ	11 UJ	2 UJ
Methyl 2-propenoate	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Methyl Tertbutyl Ether	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Methyl bromide	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Methyl butyl ketone	UG/L	9 UJ	2.5 UJ	2.5 UJ	55 UJ	10 UJ
Methyl chloride	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Methyl ethyl ketone	UG/L	18 R	5 R	5 R	110 R	20 R
Methyl iodide	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Methyl isobutyl ketone	UG/L	9 U	2.5 U	2.5 U	55 U	10 U
Methyl methacrylate	UG/L	1.8 UJ	0.5 UJ	0.5 UJ	11 UJ	2 UJ
Methylene bromide	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Methylene chloride	UG/L	7.4 J	0.5 U	0.5 U	11 U	0.9 J
Naphthalene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Nitrobenzene	UG/L	90 R	25 R	25 R	550 R	100 R
Ortho Xylene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Pentachloroethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Propionitrile	UG/L	90 R	25 R	25 R	550 R	100 R
Propylbenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Styrene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Tetrachloroethene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Tetrahydrofuran	UG/L	9 U	2.5 U	2.5 U	55 U	10 U
Toluene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Total Xylenes	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Total Xylenes-A	UG/L					
Total Xylenes-B	UG/L					
Trans-1,2-Dichloroethene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Trans-1,3-Dichloropropene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Trans-1,4-Dichloro-2-butene	UG/L	1.8 UJ	0.5 UJ	0.5 UJ	11 UJ	2 UJ
Trichloroethene	UG/L	1.7 J	0.5 U	0.5 U	540	100
Trichlorofluoromethane	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
Vinyl acetate	UG/L					
Vinyl chloride	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
cis-1,4-Dichloro-2-butene	UG/L					
n-Butylbenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
p-Chlorotoluene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
p-Isopropyltoluene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
sec-Butylbenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U
tert-Butylbenzene	UG/L	1.8 U	0.5 U	0.5 U	11 U	2 U

ASH LANDFILL  
VALIDATED DATA  
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		STUDY ID:	REMEDIAL DESIGN	REMEDIAL DESIGN
		SDG:	87428	87428
		LOC ID:	PT-24	PT-24
		SAMP_ID:	ARD2175	ARD2174
		FIELD QC CODE:	DU	SA
		SAMP. DEPTH TOP:	11.88	11.88
		SAMP. DEPTH BOT:	11.88	11.88
		MATRIX	GROUNDWATER	GROUNDWATER
		SAMP. DATE	4/9/2002	4/9/2002
		UNIT	VALUE Q	VALUE Q
1,1,1,2-Tetrachloroethane	UG/L		1.7 U	1.7 U
1,1,1-Trichloroethane	UG/L		1.7 U	1.7 U
1,1,2,2-Tetrachloroethane	UG/L		1.7 U	1.7 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L		1.7 U	1.7 U
1,1,2-Trichloroethane	UG/L		1.7 U	1.7 U
1,1-Dichloroethane	UG/L		0.44 J	0.42 J
1,1-Dichloroethene	UG/L		1.7 U	1.7 U
1,1-Dichloropropene	UG/L		1.7 U	1.7 U
1,2,3-Trichlorobenzene	UG/L		1.7 U	1.7 U
1,2,3-Trichloropropane	UG/L		1.7 U	1.7 U
1,2,4-Trichlorobenzene	UG/L		1.7 U	1.7 U
1,2,4-Trimethylbenzene	UG/L		1.7 U	1.7 U
1,2-Dibromo-3-chloropropane	UG/L		1.7 U	1.7 U
1,2-Dibromoethane	UG/L		1.7 U	1.7 U
1,2-Dichlorobenzene	UG/L		1.7 U	1.7 U
1,2-Dichloroethane	UG/L		1.7 U	1.7 U
1,2-Dichloroethene (total)	UG/L		58	57
1,2-Dichloropropane	UG/L		1.7 U	1.7 U
1,3,5-Trimethylbenzene	UG/L		1.7 U	1.7 U
1,3-Dichlorobenzene	UG/L		1.7 U	1.7 U
1,3-Dichloropropane	UG/L		1.7 U	1.7 U
1,4-Dichlorobenzene	UG/L		1.7 U	1.7 U
1,4-Dioxane	UG/L		85 R	85 R
2,2-Dichloropropane	UG/L		1.7 U	1.7 U
2-Chloroethylvinylether	UG/L		1.7 U	1.7 U
2-Chlorotoluene	UG/L		1.7 U	1.7 U
2-Nitropropane	UG/L			



**ASH LANDFILL  
VALIDATED DATA  
SDG 87428**

	STUDY ID:	REMEDIAL DESIGN	REMEDIAL DESIGN
	SDG:	87428	87428
	LOC ID:	PT-24	PT-24
	SAMP_ID:	ARD2175	ARD2174
	FIELD QC CODE:	DU	SA
	SAMP. DEPTH TOP:	11.88	11.88
	SAMP. DEPTH BOT:	11.88	11.88
	MATRIX	GROUNDWATER	GROUNDWATER
	SAMP. DATE	4/9/2002	4/9/2002
	UNIT	VALUE Q	VALUE Q
Acetone	UG/L	8.5 U	8.5 U
Acrolein	UG/L	8.5 R	8.5 R
Acrylonitrile	UG/L	1.7 U	1.7 U
Allyl chloride	UG/L	1.7 U	1.7 U
Benzene	UG/L	1.7 U	1.7 U
Bromobenzene	UG/L	1.7 U	1.7 U
Bromochloromethane	UG/L	1.7 U	1.7 U
Bromodichloromethane	UG/L	1.7 U	1.7 U
Bromoform	UG/L	1.7 U	1.7 U
Butyl chloride	UG/L		
Carbon disulfide	UG/L	1.7 U	1.7 U
Carbon tetrachloride	UG/L	1.7 U	1.7 U
Chloroacetonitrile	UG/L		
Chlorobenzene	UG/L	1.7 U	1.7 U
Chlorodibromomethane	UG/L	1.7 U	1.7 U
Chloroethane	UG/L	1.7 U	1.7 U
Chloroform	UG/L	1.7 U	1.7 U
Chloroprene	UG/L	1.7 U	1.7 U
Cis-1,2-Dichloroethene	UG/L	54	53
Cis-1,3-Dichloropropene	UG/L	1.7 U	1.7 U
Dichlorodifluoromethane	UG/L	1.7 U	1.7 U
Dichloromethyl methyl ketone	UG/L		
Ethyl benzene	UG/L	1.7 U	1.7 U
Ethyl ether	UG/L		
Ethyl methacrylate	UG/L	1.7 U	1.7 U
Hexachlorobutadiene	UG/L	1.7 U	1.7 U
Hexachloroethane	UG/L		
Isobutyl alcohol	UG/L	85 R	85 R
Isopropylbenzene	UG/L	1.7 U	1.7 U
Meta/Para Xylene	UG/L		

**ASH LANDFILL  
VALIDATED DATA  
SDG 87428**

		STUDY ID:	REMEDIAL DESIGN	REMEDIAL DESIGN	
		SDG:	87428	87428	
		LOC ID:	PT-24	PT-24	
		SAMP_ID:	ARD2175	ARD2174	
		FIELD QC CODE:	DU	SA	
		SAMP. DEPTH TOP:	11.88	11.88	
		SAMP. DEPTH BOT:	11.88	11.88	
		MATRIX:	GROUNDWATER	GROUNDWATER	
		SAMP. DATE:	4/9/2002	4/9/2002	
	UNIT	VALUE	Q	VALUE	Q
Methacrylonitrile	UG/L	1.7	U	1.7	U
Methyl 2-propenoate	UG/L				
Methyl Tertbutyl Ether	UG/L	1.7	U	1.7	U
Methyl bromide	UG/L	1.7	U	1.7	U
Methyl butyl ketone	UG/L	8.5	U	8.5	U
Methyl chloride	UG/L	1.7	U	1.7	U
Methyl ethyl ketone	UG/L	8.5	U	8.5	U
Methyl iodide	UG/L	1.7	U	1.7	U
Methyl isobutyl ketone	UG/L	8.5	U	8.5	U
Methyl methacrylate	UG/L	1.7	U	1.7	U
Methylene bromide	UG/L	1.7	U	1.7	U
Methylene chloride	UG/L	1.7	U	1.7	U
Naphthalene	UG/L	1.7	U	1.7	U
Nitrobenzene	UG/L				
Ortho Xylene	UG/L	1.7	U	1.7	U
Pentachloroethane	UG/L				
Propionitrile	UG/L	6.8	R	6.8	R
Propylbenzene	UG/L	1.7	U	1.7	U
Styrene	UG/L	1.7	U	1.7	U
Tetrachloroethene	UG/L	1.7	U	1.7	U
Tetrahydrofuran	UG/L	24	U	24	U
Toluene	UG/L	1.7	U	1.7	U
Total Xylenes	UG/L				
Total Xylenes-A	UG/L	1.7	U	1.7	U
Total Xylenes-B	UG/L	1.7	U	1.7	U
Trans-1,2-Dichloroethene	UG/L	0.36	J	0.39	J
Trans-1,3-Dichloropropene	UG/L	1.7	U	1.7	U
Trans-1,4-Dichloro-2-butene	UG/L	1.7	U	1.7	U
Trichloroethene	UG/L	3.2		3.2	
Trichlorofluoromethane	UG/L	1.7	U	1.7	U
Vinyl acetate	UG/L	1.7	U	1.7	U
Vinyl chloride	UG/L	1.7	U	1.7	U
cis-1,4-Dichloro-2-butene	UG/L	1.7	U	1.7	U
n-Butylbenzene	UG/L	1.7	U	1.7	U
p-Chlorotoluene	UG/L	1.7	U	1.7	U
p-Isopropyltoluene	UG/L	1.7	U	1.7	U
sec-Butylbenzene	UG/L	1.7	U	1.7	U
tert-Butylbenzene	UG/L	1.7	U	1.7	U