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TABLE 5-1
SUMMARY OF GROUNDWATER ELEVATIONS
Central Landfill - Johnston, RI

WELL ID	PVC / WELLHEAD (1) ELEVATION	SAMPLE ZONE LENGTH AND LOCATION IN GEOLOGIC COLUMN	SEPT. 1995	NOV. 1995	JAN. 1996	MARCH 1996	MAY 1996	AUG. 1996	SEPT. 1996	NOV. 1996	AUG. 1997	COMMENTS
ON-SITE WELLS												
WE87-4	390.42	ROCK - 16	361.63	364.05	365.37	366.90	366.49	364.72	363.80	365.54	363.82	
WE85-5	372.59	ROCK - 10	363.41	366.06	366.23	366.33	365.97	365.04	364.93	365.91	NR	
WE85-6A	356.48	SOIL - 15	335.90	338.26	356.48	348.92	347.11	340.12	337.15	345.34	NR	WELL CLUSTER
WE85-6B	356.06	ROCK - 30	336.87	339.11	356.06	349.30	347.23	340.48	338.15	345.49	344.45	
WE85-7	333.48	ROCK - 24	317.73	324.76	325.24	327.55	325.86	323.04	321.88	325.26	NR	
WE87-8	333.67	ROCK - 10	319.60	327.24	327.72	322.05	326.58	322.52	321.67	326.79	321.99	
WE87-10	331.13	ROCK - 15	323.81	326.62	326.30	326.23	325.86	324.90	325.25	326.18	NR	
WE87-11	331.47	ROCK - 13	322.78	324.77	324.75	324.79	324.62	323.97	323.88	324.53	324.23	
WE87-12	360.75	ROCK - 15	354.96	359.69	359.60	359.17	360.21	359.15	356.22	360.43	356.39	
WE85-16	367.89	ROCK - 26	360.95	365.84	365.83	366.10	347.23	365.69	365.34	366.02	365.79	
WE87-17	402.41	ROCK - 30	376.51	398.04	399.03	397.92	325.86	388.39	389.76	395.19	395.72	
WE85-18	380.50	ROCK - 28	367.90	375.19	375.49	375.85	326.58	372.53	370.73	375.32	372.14	
MW90-24B-W	399.32	ROCK - 16	353.02	352.75	354.52	356.00	325.86	354.36	353.72	354.40	NR	BI-LEVEL WELL
MW90-24B-P	396.30	ROCK - 4	396.30	396.30	396.30	396.30	324.62	396.30	396.30	396.30	NR	
MW90-25A-W	392.66	ROCK - 18	353.01	353.72	354.48	355.96	360.21	354.29	353.62	354.32	NR	BI-LEVEL WELL
MW90-25A-P	392.66	ROCK - 4	392.66	392.66	392.66	392.66	392.66	392.66	392.66	392.66	NR	
MW90-26A-W	384.65	ROCK - 15	353.87	353.73	354.37	355.70	355.22	353.77	353.00	353.80	NR	
MW90-27A-W	389.89	ROCK - 15	353.09	353.76	354.47	355.90	355.55	354.24	353.62	354.29	NR	BI-LEVEL WELL
MW90-27A-P	387.45	ROCK - 4	387.45	387.45	387.45	387.45	387.45	387.45	387.45	387.45	NR	
MW90-28-A	338.26	REFUSE/SOIL - 10	319.41	323.38	323.70	324.65	323.44	321.50	321.06	322.98	NR	BI-LEVEL WELL
MW90-28-B	338.11	ROCK - 20	319.32	322.66	323.00	323.96	323.01	321.47	321.00	322.86	321.59	
MW90-29-A	325.50	REFUSE/SOIL - 10	311.00	311.28	311.72	311.58	311.53	304.32	304.01	311.40	NR	BI-LEVEL WELL
MW90-29-B	325.20	ROCK - 15	315.76	315.54	317.17	315.82	315.66	314.72	314.40	311.32	315.85	
MW90-30	405.20	ROCK - 30	378.42	365.08	382.98	384.31	383.72	405.20	379.82	383.52	383.93	
MW90-31-A	412.40	ROCK - 15	392.10	395.80	395.52	395.72	395.48	395.38	393.95	394.86	392.90	BI-LEVEL WELL
MW90-31-B	412.50	ROCK - 20	379.36	381.51	382.53	383.10	382.63	381.58	381.55	382.74	NR	
MW90-32	401.02	ROCK - 15	367.29	371.06	370.99	372.84	372.62	376.48	369.74	371.44	NR	
MW90-33	313.50	ROCK - 20	296.59	299.19	299.53	310.20	299.74	298.24	297.48	298.95	297.50	
MW90-34B	369.50	ROCK - 15	342.04	342.73	344.00	345.44	345.12	343.32	342.82	343.84	342.90	
MW91-41	334.02	ROCK - 15	325.55	329.24	329.73	330.46	329.67	329.37	328.10	329.28	324.15	
MW92-42	325.90	REFUSE/SOIL - 10	311.29	313.54	314.75	315.22	314.76	314.08	321.16	314.51	312.68	WELL CLUSTER
MW92-43	325.76	ROCK - 10	311.60	312.26	313.99	315.04	314.31	313.02	312.43	313.84	NR	
MW93-44	378.53	ROCK - 10	358.02	364.28	364.75	365.63	363.65	361.71	360.55	363.33	368.03	
MW93-45	334.03	ROCK - 10	334.03	334.03	334.03	334.03	334.03	334.03	334.03	334.03	NR	

TABLE 5-1
SUMMARY OF GROUNDWATER ELEVATIONS
Central Landfill - Johnston, RI

WELL ID	PVC / WELLHEAD (1) ELEVATION	SAMPLE ZONE LENGTH AND LOCATION IN GEOLOGIC COLUMN	SEPT. 1995	NOV. 1995	JAN. 1996	MARCH 1996	MAY 1996	AUG. 1996	SEPT. 1996	NOV. 1996	AUG, 1997	COMMENTS
MW95-45R	332.00	ROCK - 10	323.50	327.38	327.41	328.54	327.87	327.68	327.26	327.55	NR	
MW93-46-W	337.61	ROCK - 10	326.66	332.40	334.23	334.20	333.63	337.61	328.66	333.14	329.30	
MW93-46-P	337.63	ROCK - 10	326.84	332.39	334.20	334.15	333.54	332.05	328.78	333.16	NR	
MW95-47	313.53	ROCK - 10	299.30	300.33	300.42	300.92	300.68	300.58	300.28	300.48	NR	
MW95-47S	312.87	SOIL - 10	298.89	299.89	299.91	300.42	300.19	300.04	299.79	300.00	299.55	
MW95-48	310.78	ROCK - 10	298.82	299.86	299.75	300.13	299.84	299.77	299.43	299.68	NR	
MW95-48S	310.56	SOIL - 10	298.58	299.63	299.60	300.11	299.89	299.55	299.41	299.73	299.12	
MW95-49	361.21	ROCK - 10	342.29	343.25	345.16	347.21	346.74	343.85	342.96	346.16	NR	
MW95-50	408.83	ROCK - 10	372.68	374.22	374.23	375.03	374.70	374.28	374.05	372.88	372.35	
MW95-51	402.05	ROCK - 10	374.01	382.84	381.95	382.70	382.56	379.07	378.06	382.79	381.13	
MW95-52	383.75	ROCK - 16	366.07	370.87	383.75	372.95	371.07	368.21	366.92	371.00	370.13	
MW95-53	310.22	SOIL - 10	298.45	299.44	299.31	299.69	299.53	299.50	299.24	299.36	299.04	
MW95-ML9A	313.15	ROCK - 10	299.62	300.76	300.71	301.27	300.98	301.01	300.61	300.89	NR	MULTILEVEL INSTALLATION
MW95-ML9B	313.15	ROCK - 10	300.45	301.84	301.86	302.72	302.27	302.57	302.27	302.44	NR	
MW95-ML9C	313.15	ROCK - 20	301.92	304.02	303.74	304.74	304.41	305.14	304.97	304.67	NR	
WE85-M1	391.88	ROCK - 28	378.71	386.04	386.22	387.31	386.96	383.34	381.48	386.38	NR	FORMERLY WE85-ML1
WE87-ML1 A	359.60	ROCK - 7.2	335.06	337.19	NR	NR	NR	NR	336.43	343.13	336.78	MULTILEVEL INSTALLATION
WE87-ML1 B	359.60	ROCK - 12.2	335.85	337.89	342.21	342.21	344.77	339.33	337.06	343.47	NR	
WE87-ML1 C	359.60	ROCK - 12.2	335.38	337.36	341.71	341.71	344.26	NR	336.56	342.95	NR	
WE87-ML1 D	359.60	ROCK - 15.2	333.77	335.79	340.10	340.10	342.63	337.53	335.17	341.39	NR	
WE87-ML1 E	359.60	ROCK - 17.6	331.90	333.94	338.29	338.29	340.84	335.64	333.30	339.59	NR	
WE87-ML2 A	301.70	ROCK - 15.2	293.61	293.61	295.07	295.07	294.60	294.08	293.61	294.60	NR	MULTILEVEL INSTALLATION
WE87-ML2 B	301.70	ROCK - 5.4	291.12	290.98	292.43	292.43	292.10	291.49	291.07	292.05	NR	
WE87-ML2 C	301.70	ROCK - 17.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	TRANSDUCER MALFUNCTION
WE87-ML2 D	301.70	ROCK - 7.2	290.23	290.05	291.67	291.67	291.31	290.71	290.23	291.25	NR	
WE87-ML3 A	419.30	ROCK - 34.8	382.51	382.32	384.52	384.52	383.44	381.97	381.78	384.37	381.88	MULTILEVEL INSTALLATION
WE87-ML3 B	419.30	ROCK - 19.1	383.08	382.77	NR	383.24	383.39	381.95	380.76	381.28	NR	
WE87-ML3 C	419.30	ROCK - 12.2	383.64	383.06	386.36	386.36	384.16	383.85	382.80	384.42	NR	
WE87-ML3 D	419.30	ROCK - 10.4	382.65	382.05	383.77	383.77	383.41	382.91	381.95	383.66	NR	
WE87-ML3 E	419.30	ROCK - 22.6	379.98	379.36	381.05	381.05	380.68	380.11	379.17	380.86	NR	
WE87-ML4 A	316.00	ROCK - 9.1	299.01	299.83	300.87	300.87	300.60	302.24	300.93	301.80	NR	MULTILEVEL INSTALLATION
WE87-ML4 B	316.00	ROCK - 10.4	300.21	301.42	302.46	302.46	302.63	303.40	302.25	303.18	301.64	
WE87-ML4 C	316.00	ROCK - 12.2	302.11	303.63	304.76	304.76	304.76	305.46	304.51	305.58	NR	
WE87-ML4 D	316.00	ROCK - 19.6	300.49	301.68	302.76	302.76	303.15	303.43	302.53	303.43	NR	
WE87-ML5 A	402.90	ROCK - 26.9	373.58	379.11	379.53	379.53	380.01	376.93	375.02	380.43	374.86	MULTILEVEL INSTALLATION

TABLE 5-1
SUMMARY OF GROUNDWATER ELEVATIONS
Central Landfill - Johnston, RI

WELL ID	PVC / WELLHEAD (1) ELEVATION	SAMPLE ZONE LENGTH AND LOCATION IN GEOLOGIC COLUMN	SEPT. 1995	NOV. 1995	JAN. 1996	MARCH 1996	MAY 1996	AUG. 1996	SEPT. 1996	NOV. 1996	AUG, 1997	COMMENTS
WE87-ML5 B	402.90	ROCK - 10.4	361.15	363.74	364.93	364.93	366.27	364.10	362.70	366.38	NR	
WE87-ML5 C	402.90	ROCK - 17.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	TRANSDUCER MALFUNCTION
MW91-ML6	390.23	OPEN ROCK - 100	345.62	345.55	346.48	347.12	346.92	345.85	345.36	345.86	NR	
MW91-ML7	390.73	OPEN ROCK - 52	348.73	349.60	350.55	351.62	351.15	350.17	349.60	350.12	NR	
MW91-ML8	391.31	OPEN ROCK - 59.5	349.49	349.94	350.83	351.63	351.31	350.18	349.58	350.16	NR	
MW-B	317.46	ROCK - 5	302.11	302.66	302.63	303.26	302.87	303.02	302.66	303.26	NR	WELL CLUSTER
MW-B1	317.74	SOIL - 5	301.97	302.60	302.57	302.96	302.79	302.98	302.69	302.71	302.90	
MW-J	380.24	ROCK/SOIL (5)	351.29	352.80	353.70	355.30	354.73	352.92	352.18	353.26	NR	
MW-M	392.06	SOIL/ROCK - 10	378.86	385.31	392.06	392.06	387.59	392.06	381.26	387.05	380.45	SCREEN SPANS SOIL/ROCK
MW-O	301.55	ROCK - 5	295.22	296.53	296.61	296.80	296.41	296.00	295.87	296.27	295.88	
MW-P	394.13	ROCK - 5	382.41	387.38	388.69	391.22	390.69	387.70	385.18	389.88	NR	
RP88-2	345.92	ROCK - 10	313.99	324.73	326.21	328.39	327.13	320.52	316.94	325.82	NR	INCINERATOR STUDY
SOUTHWEST LANDFILL WELLS												
SWLF-1A	463.50	ROCK	NR	NR	NR	441.45	431.40	425.56	423.67	426.59	NR	DEEP WELL
SWLF 1B	463.9	ROCK	NR	NR	NR	441.85	441.75	434.20	431.85	435.57	NR	
SWLF 11A	398.8	ROCK	NR	NR	392.24	395.49	396.68	392.15	388.56	395.63	NR	DEEP WELL
SWLF 11B	398.51	ROCK	NR	NR	385.98	391.00	390.79	387.58	384.61	389.42	NR	
SWLF 14A	378.44	ROCK	NR	NR	373.55	373.58	373.20	371.01	369.62	373.27	NR	DEEP WELL
SWLF 14B	378.12	ROCK	NR	NR	373.81	373.98	373.64	372.07	370.71	373.63	NR	
LOT 142 WELLS												
MW-1A	351.56	ROCK - 10	NR	NR	335.89	338.07	337.47	333.64	332.51	336.70	NR	
MW-2	349.47	ROCK - 10	NR	NR	336.64	337.80	337.82	334.01	332.97	336.88	NR	
MW-3	351.07	ROCK - 10	NR	NR	337.15	339.06	338.46	334.37	333.17	337.29	NR	
LOT 66 WELLS												
B-1	399.8	SOIL - 15	NR	NR	NR	385.51	398.68	398.20	377.55	383.55	NR	
B-4	436.9	SOIL	NR	NR	NR	427.59	427.25	424.15	422.80	426.65	NR	
B-5	450.24	SOIL	NR	NR	NR	447.14	447.14	448.64	447.58	449.10	NR	
GZ-2	416.8	SOIL	NR	NR	NR	403.36	402.59	396.06	394.28	400.55	NR	
RW43/066	448.17	SOIL	NR	NR	443.80	443.03	NR	NR	NR	NR	NR	
RESIDENTIAL WELLS												
LOT 31/014	321.19	ROCK	NR	NR	299.79	301.38	301.44	299.09	298.42	299.68	NR	
LOT 31/017	304.89	SOIL	NR	NR	293.49	293.36	293.23	292.79	292.81	293.07	NR	
LOT 43/164	462.64	ROCK	NR	NR	446.74	448.68	447.92	442.74	442.79	446.94	NR	
LOT 43/192	413.96	ROCK	NR	NR	389.17	392.06	390.43	384.46	382.13	389.23	NR	

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SUMMARY OF GROUNDWATER ELEVATIONS
Central Landfill - Johnston, RI

WELL ID	PVC / WELLHEAD (1) ELEVATION	SAMPLE ZONE LENGTH AND LOCATION IN GEOLOGIC COLUMN	SEPT. 1995	NOV. 1995	JAN. 1996	MARCH 1996	MAY 1996	AUG. 1996	SEPT. 1996	NOV. 1996	AUG, 1997	COMMENTS
LOT 43/007	312.33	ROCK	NR	NR	306.81	308.23	307.88	305.16	304.04	307.37	NR	
LOT 43/280	363.27	ROCK	NR	NR	345.48	346.29	345.92	345.04	344.02	345.98	NR	
LOT 43/036	341.97	SOIL	NR	NR	334.83	334.72	334.18	332.21	331.82	334.40	NR	
LOT 43/165	430.21	SOIL	NR	NR	419.21	422.47	421.26	417.59	415.40	430.21	NR	

NOTES:

1. **Wellhead elevations reported in this table represent "Top of PVC Pipe" elevation determined by instrument surveys performed by Louis Federici & Associates. All other elevations presented in this table are reported with reference to the "Top of PVC Pipe".**
2. **Groundwater levels were measured with reference to PVC pipe using a weighted cloth tape, electric water level reader, or vibrating wire pressure transducer.**
3. **NR indicates that no reading was taken.**
4. **NA indicates data not available.**
5. **NE indicates elevations have not yet been established.**

TABLE 5-2
HYDRAULIC CONDUCTIVITY ESTIMATED FROM SPECIFIC CAPACITY DATA

Central Landfill - Johnston, RI

TEST LOCATION	DATE SAMPLED	TEST ZONE	SPECIFIC CAPACITY (GPM/FT.)	LENGTH OF WELL SCREEN (FT.)	EFFECTIVE WETTED LENGTH (FT.)	ESTIMATED TRANSMISSIVITY (GPD/FT.)	ESTIMATED HYDRAULIC CONDUCTIVITY
MW95-47	06-Feb-95	OPEN BOREHOLE	12.14	9.0	13.05	16,440	168 ft./day
MW95-47	06-Feb-95	OPEN BOREHOLE	8.11	19.0	27.55	9,656	47 ft./day
MW95-51	09-Feb-95	OPEN BOREHOLE	0.10	26.5	38.43	63	0.2 ft./day
MW95-52	09-Feb-95	OPEN BOREHOLE	0.57	30.0	43.50	507	1.6 ft./day
MW95-ML9B	14-Jul-95	SCREENED ROCK	0.04	10.0	14.50	29	0.3 ft./day
MW95-ML9C	14-Jul-95	SCREENED ROCK	0.07	20.0	29.00	30	0.14 ft./day
MW95-47S	17-Jul-95	OVERBURDEN WELL	0.44	10.0	15.50	267	2.3 ft./day
MW95-48S	17-Jul-95	OVERBURDEN WELL	8.29	10.0	15.50	7,921	68 ft./day
MW95-53	17-Jul-95	OVERBURDEN WELL	8.33	10.0	15.50	8,671	75 ft./day

TABLE 5-2
HYDRAULIC CONDUCTIVITY ESTIMATED FROM SPECIFIC CAPACITY DATA

Central Landfill - Johnston, RI

TEST LOCATION	DATE SAMPLED	TEST ZONE	SPECIFIC CAPACITY (GPM/FT.)	LENGTH OF WELL SCREEN (FT.)	EFFECTIVE WETTED LENGTH (FT.)	ESTIMATED TRANSMISSIVITY (GPD/FT.)	ESTIMATED HYDRAULIC CONDUCTIVITY
MW97-ML10	16-Jan-97	OPEN BOREHOLE	0.07	230.6	230.6	79	< 0.1 ft./day
MW97-ML10	24-Feb-97	OPEN BOREHOLE	0.21	230.6	230.6	276	0.2 ft./day
MW97-ML10A	23-Apr-97	SCREENED ROCK	0.12	10.0	14.0	153	1.5 ft./day
MW97-ML10B	17-Mar-97	SCREENED ROCK	3.00E-05	20.0	21.0	NC	<< 0.1 ft./day
MW97-54	24-Feb-97	OVERBURDEN WELL	1.60	15.0	16.5	2,123	17.2 ft./day
MW97-54	23-Apr-97	OVERBURDEN WELL	1.35	15.0	16.5	1,803	14.6 ft./day

NOTES:

-1- TRANSMISSIVITY ESTIMATED FROM SPECIFIC CAPACITY DATA USING METHODS PRESENTED BY WALTON.

-2- HYDRAULIC CONDUCTIVITY COMPUTED AS TRANSMISSIVITY CONVERTED TO SQ. FT./DAY DIVIDED BY THE EFFECTIVE WETTED LENGTH TO ACCOUNT FOR THE EFFECTS OF PARTIAL AQUIFER PENETRATION.

-3- MW95-47 TEST 1 WAS RUN THROUGH THE PACKER TESTING EQUIPMENT IN THE ZONE 3 CONFIGURATION.

TABLE 5-3

SUMMARY OF PIEZOMETRIC READINGS FROM MW97-ML10 WELL CLUSTER

Central Landfill - Johnston, RI

WELL ID	MEASURING POINT ELEVATION	SAMPLE ZONE LENGTH AND LOCATION IN GEOLOGIC COLUMN	SAMPLING ZONE ELEVATION	OU2 Round 2A MARCH 1997	OU2 Round 2B APRIL 1997	AUGUST 1997
MW97-54	297.02	SOIL - 15	263.66	287.2	287.5	287.5
MW97-ML10A	296.87	ROCK - 10	225.40	287.8	287.2	288.0
MW97-ML10B	296.88	ROCK - 20	15.40	NR	286.0	286.5

1. **Original surface elevations and current PVC elevations for all wells and boreholes were determined from instrument surveys performed by GZA personnel in April 1997. All other elevations presented in this table are reported with reference to the "Top of PVC Pipe" (NGVD 1929).**

2. **Groundwater levels were measured with reference to PVC pipe using an electric water level reader. NR indicates "Not Recorded."**

3. **Average Upper Simmons Reservoir elevation = 292.7, and average Lower Simmons Reservoir elevation = 283.8 FT - MSL.**

TABLE 6-1

OU2 RI/FS - ANALYTICAL SAMPLE SUMMARY

Central Landfill - Johnston, Rhode Island

FIELD SAMPLING PROGRAM	SAMPLE DELIVERY GROUPS	SAMPLING DATES	ANALYTICAL SAMPLES	TYPE OF ANALYSES [1]	QA/QC SAMPLES	COMMENTS
Sediment Samples (1-SDG)						
Upper Simmons Reservoir - Phase II Sediments (2)	Original Bottom Sediments	5/12-5/13/93	SED93-21-O SED93-22-O SED93-23-O SED93-24-O SED93-25-O SED93-26-O SED93-27-O SED93-28-O SED93-29-O SED93-30-O SED93-31-O	FULL CLP (3) WET CHEMISTRY (5)	EB 051393 SED93-32-O TBO 051293 TBO 051393	Equipment Blank Blind Duplicate of SED93-26-O Trip Blank Trip Blank
Soil Samples (1-SDG)						
OU2 - ROUND 1	SDG #SS06	12/5 - 12/6/95	SS95-01 SS95-02 SS95-03 SS95-04 SS95-05 SS95-06 SS95-07 SS95-08 SS95-09 SS95-10 SS95-11 SS95-12 SS95-13	FULL CLP (3) WET CHEMISTRY (4)	EBSS 120595 TBSS 120595 SS95-07MS SS95-07MSD SS95-15	Equipment Blank Trip Blank Matrix Spike Matrix Spike Duplicate Blind Duplicate of SS95-09
Sediment Samples (3-SDGs)						
OU2 - ROUND 1	SDG #SED01	12/5 - 12/8/95	SED95-01 SED95-02 SED95-03 SED95-04 SED95-05 SED95-06 SED95-08	FULL CLP (3) WET CHEMISTRY (5) CLP PCBs/PESTICIDES ONLY (9)	TBSED 120595 TBSED 120895 EBSED 120895 SED95-03MS SED95-03 MSD SED95-18	Trip Blank Trip Blank Equipment Blank Matrix Spike Matrix Spike Duplicate Blind Duplicate of SED95-17

TABLE 6-1

OU2 RI/FS - ANALYTICAL SAMPLE SUMMARY

Central Landfill - Johnston, Rhode Island

FIELD SAMPLING PROGRAM	SAMPLE DELIVERY GROUPS	SAMPLING DATES	ANALYTICAL SAMPLES	TYPE OF ANALYSES (1)	QA/QC SAMPLES	COMMENTS
OU2 - ROUND 1	SDG #SED01 (continued)	12/5 - 12/8/95	SED95-10 SED95-11 SED95-12 SED95-13 SED95-14 SED95-15 SED95-16 SED95-17 SED95-20	FULL CLP (3) WET CHEMISTRY (5) CLP PCBs/PESTICIDES ONLY (9)		
OU2 - ROUND 1	SDG #SED21	12/11 - 12/14/95	SED95-21 SED95-22 SED95-23 SED95-24 SED95-25 SED95-26 SED95-27 SED95-28 SED95-29 SED95-30 SED95-31 SED95-32 SED95-34 SED95-35 SED95-37 SED95-40 SED95-41	FULL CLP (3) WET CHEMISTRY (5)	TBSED 121195 TBSED 121295 EBSED 121295 TBSED 121395 SED95-36 SED95-40MS SED95-40MSD	Trip Blank Trip Blank Equipment Blank Trip Blank Blind Duplicate for SED95-35 Matrix Spike Matrix Spike Duplicate
OU2 - ROUND 1	SDG #SED38	12/14 - 12/15/95	SED95-38 SED95-39 SED95-42 SED95-43 SED95-44 SED95-45	FULL CLP (3) WET CHEMISTRY (5)	TBSED 121495 TBSED 121595 EBSED 121495 SED95-43dup SED95-38MS SED95-38MSD	Trip Blank Trip Blank Equipment Blank Laboratory Duplicate Matrix Spike Matrix Spike Duplicate

TABLE 6-1

OU2 RI/FS - ANALYTICAL SAMPLE SUMMARY

Central Landfill - Johnston, Rhode Island

FIELD SAMPLING PROGRAM	SAMPLE DELIVERY GROUPS	SAMPLING DATES	ANALYTICAL SAMPLES	TYPE OF ANALYSES [1]	QA/QC SAMPLES	COMMENTS
Surface Water Samples (3-SDGs)						
OU2 - ROUND 1	SDG #SW01	12/5 - 12/8/95	SW95-01 SW95-02 SW95-03 SW95-04 SW95-05 SW95-06 SW95-07 SW95-08 SW95-09 SW95-10 SW95-11 SW95-12 SW95-13 SW95-14 SW95-15 SW95-16 SW95-17 SW95-19 SW95-20	FULL CLP (3) WATER QUALITY PARAMETERS (6)	TBSW 120595 TBSW 120795 TBSW 120895 EBSW 120695 SW95-03MS SW95-03MSD SW95-18	Trip Blank Trip Blank Trip Blank Equipment Blank Matrix Spike Matrix Spike Duplicate Blind Duplicate for SW95-17
OU2 - ROUND 1	SDG #SW21	12/11 - 12/14/95	SW95-21 SW95-22 SW95-23 SW95-24 SW95-25 SW95-26 SW95-27 SW95-28 SW95-29 SW95-30 SW95-31 SW95-32 SW95-34 SW95-35 SW95-37 SW95-40 SW95-41	FULL CLP (3) WATER QUALITY PARAMETERS (6)	TBSW 121195 TBSW 121295 TBSW 121395 SW95-36 SW95-33 SW95-40MS SW95-40MSD	Trip Blank Trip Blank Trip Blank Blind Duplicate for SW95-35 Blind Duplicate for SW95-32 Matrix Spike Matrix Spike Duplicate No equipment blank was taken from surface water during this SDG.

TABLE 6-1

OU2 RI/FS - ANALYTICAL SAMPLE SUMMARY

Central Landfill - Johnston, Rhode Island

FIELD SAMPLING PROGRAM	SAMPLE DELIVERY GROUPS	SAMPLING DATES	ANALYTICAL SAMPLES	TYPE OF ANALYSES [1]	QA/QC SAMPLES	COMMENTS
OU2 - ROUND 1	SDG #SW38	12/14 - 12/15/95	SW95-38 SW95-39 SW95-42 SW95-43 SW95-44 SW95-45	FULL CLP (3) WATER QUALITY PARAMETERS (6)	TBSW 121495 EBSW 121495 TBSW 121595 SW95-38MS SW95-38MSD	No Blind Duplicates taken in this SDG. However, 2 Blind Duplicates were submitted in the previous SDG. Matrix Spike Duplicate Matrix Spike Duplicate
Groundwater Sampling (3-SGDs)						
OU2 - ROUND 1	SDG #ML9A	12/21/1995	MW95-ML9A MW95-ML9B MW95-ML9C MW95-47S MW95-47	FULL CLP (3) WATER QUALITY PARAMETERS (7) CLP DISSOLVED METALS ONLY (8)	TBGW 122195 EBGW 122195 MW95-47 MS MW95-47 MSD MW95-54	Trip Blank Submersible pump blank Matrix Spike Matrix Spike Duplicate Blind Duplicate for -ML9B
OU2 - ROUND 1	SDG #MW51	1/2 - 1/5/96	MW95-51 MW95-52 WE87-4 MW-J MW95-50 MW95-49 WE87-17 MW95-48S MW95-48	FULL CLP (3) WATER QUALITY PARAMETERS (7) CLP DISSOLVED METALS ONLY (8)	TBGW 010296 TBGW 010396 TBGW 010496A TBGW 010496B TBGW 010596A TBGW 010596B MW95-55 WE87-17MS WE87-17MSD	Trip Blank Trip Blank Trip Blank Trip Blank Trip Blank Trip Blank Blind Duplicate for MW95-49 Matrix Spike Matrix Spike Duplicate WE87-4 and MW-J were sampled with a bailer.
OU2 - ROUND 1	SDG #GW43	2/5 - 2/9/96 (02/22/96)	RW43244T RW31014 RW31017 RW43070T RW43036 RW31002 WE87-8 WE85-16 WE85-18 MW95-53	FULL CLP (3) WATER QUALITY PARAMETERS (7) CLP DISSOLVED METALS ONLY (8)	TBGW 020596 TBGW 020696 TBGW 020796 TBGW 020896 MW95-56 TBGW 020996 RW43036MS RW43036MSD EBGW 020996 EBBB 020996	Trip Blank Trip Blank Trip Blank Trip Blank Blind Duplicate for MW95-53 Trip Blank Matrix Spike Matrix Spike Duplicate Submersible pump blank Bailer blank RW31002, WE87-8, WE85-16, WE85-18 were sampled with a bailer.

TABLE 6-1

OU2 RI/FS - ANALYTICAL SAMPLE SUMMARY

Central Landfill - Johnston, Rhode Island

FIELD SAMPLING PROGRAM	SAMPLE DELIVERY GROUPS	SAMPLING DATES	ANALYTICAL SAMPLES	TYPE OF ANALYSES (1)	QA/QC SAMPLES	COMMENTS
OU2 - ROUND 1 (11)	SDG #GW43 resampling	02/22/1996	RW31002 WE87-8 WE85-16 WE85-18	SVOC resampling	EBGW022296	Peristaltic pump blank
		02/22/1996	RW43070T	PCB/PEST resampling		
Soil Samples (1-SDG)						
OU2 - ROUND 2A	SDG #SS02	10/1 - 10/2/96	SS95-02 SS95-02A SS95-02B SS95-09 SS95-09A SS95-09B	TAL MET & CN (3)	EBSS100296 SS95-15 SS95-02MS SS95-02MSD	Equipment Blank Blind Duplicate of SS95-09 Matrix Spike Matrix Spike Duplicate
Sediment Samples (1-SDG)						
OU2 - ROUND 2A	SDG #SED46	10/2 - 10/3/96	SED96-46 SED96-48 SED95-49	FULL CLP (3) WET CHEMISTRY (5)	TBSED100296 TBSED100396 EBSED100296 SED96-48MS SED96-48MSD SED96-50	Trip Blank Trip Blank Equipment Blank Matrix Spike Matrix Spike Duplicate Blind Duplicate of SED96-46
Surface Water Samples (4-SDGs)						
OU2 - ROUND 2A	SDG #SW17 Inorganics Only	10/2 - 10/4/96	SW95-14 SW95-15 SW95-16 SW95-17 SW95-19 SW95-20 SW95-22 SW95-34 SW95-35 SW95-37 SW95-40 SW95-41	T. MET & T.CN (12) D. MET	EBSW100296 SW95-48MS SW95-48MSD SW95-18 SW95-36	Equipment Blank Matrix Spike Matrix Spike Duplicate Blind Duplicate for SW95-41 Blind Duplicate for SW95-37

TABLE 6-1

OU2 RI/FS - ANALYTICAL SAMPLE SUMMARY

Central Landfill - Johnston, Rhode Island

FIELD SAMPLING PROGRAM	SAMPLE DELIVERY GROUPS	SAMPLING DATES	ANALYTICAL SAMPLES	TYPE OF ANALYSES [1]	QA/QC SAMPLES	COMMENTS
OU2 - ROUND 2A	SDG #SW17 Inorganics Only (continued)	10/2 - 10/4/96	SW95-42 SW95-43 SW95-45 SW96-46 SW96-48	T. MET & T.CN (12) D. MET		
OU2 - ROUND 2A	SDG #SW44 Inorganics Only	10/4 - 10/7/96	SW95-01 SW95-03 SW95-04 SW95-05 SW95-06 SW95-07 SW95-08 SW95-09 SW95-25 SW95-26 SW95-28 SW95-44 SW96-47 SW96-49	T. MET & T.CN (12) D. MET	SW95-01MS SW95-01MSD	Matrix Spike Matrix Spike Duplicate No equipment blank was taken from surface water during this SDG. Two blind duplicates were reported in the SDG above.
OU2 - ROUND 2A	SDG #SW10 Inorganics Only	10/7 - 10/9/96	SW95-10 SW95-11 SW95-12 SW95-13 SW95-02 SW95-21 SW95-23 SW95-24 SW95-27 SW95-30 SW95-38 SW95-39	T. MET & T.CN (12) D. MET	SW95-33 EBSW100796 SW95-10 MS SW95-10 MSD	Blind Duplicate for SW95-21 Equipment Blank Matrix Spike Matrix Spike Duplicate

TABLE 6-1

OU2 RI/FS - ANALYTICAL SAMPLE SUMMARY

Central Landfill - Johnston, Rhode Island

FIELD SAMPLING PROGRAM	SAMPLE DELIVERY GROUPS	SAMPLING DATES	ANALYTICAL SAMPLES	TYPE OF ANALYSES [1]	QA/QC SAMPLES	COMMENTS
OU2 - ROUND 2A	SDG #SW17 Organics Only	10/2 - 10/4/96	SW95-03 SW95-06 SW95-14 SW95-17 SW95-22 SW95-28 SW95-34 SW95-41 SW95-42 SW95-45 SW96-46 SW96-47 SW96-48 SW96-49	CLP VOC, SVOC & PCB/PEST (12) WATER QUALITY PARAMETERS (7)	TBSW100296 TBSW100396 TBSW100496 EBSW100296 SW95-48MS SW95-48MSD SW95-18	Trip Blank Trip Blank Trip Blank Equipment Blank Matrix Spike Matrix Spike Duplicate Blind Duplicate for SW95-41
Groundwater Sampling (1-SGD)						
OU2 - ROUND 2A	SDG #WE16	9/23 - 9/26/96 (11/8-11/11/96)	WE85-16 WE85-18 WE87-8 WE87-17 MW95-47 MW95-47S MW95-48 MW95-48S MW95-49 MW95-50 MW95-51 MW95-52 MW95-53 MW95-ML9A MW95-ML9B MW95-ML9C	FULL CLP (3) WATER QUALITY PARAMETERS (7) T.MET & T.CN And D.MET Only (10)	TBGW092496A TBGW092496B EBGW092496 MW95-53 MS MW95-53 MSD MW95-54 TBGW092596 TBGW092396	Trip Blank (results lost) Trip Blank (results lost) Submersible pump blank Matrix Spike Matrix Spike Duplicate Blind Duplicate for MW95-48S Trip Blank Trip Blank

TABLE 6-1

OU2 RI/FS - ANALYTICAL SAMPLE SUMMARY

Central Landfill - Johnston, Rhode Island

FIELD SAMPLING PROGRAM	SAMPLE DELIVERY GROUPS	SAMPLING DATES	ANALYTICAL SAMPLES	TYPE OF ANALYSES [1]	QA/QC SAMPLES	COMMENTS
Water Samples Resampled						
OU2 - ROUND 2A(11)	SDG#54	11/8 - 11/11/96	MW95-ML9A	CLP TCL VOC	EBRS111196	Submersible pump blank
			MW95-ML9B		MW95-ML9A MS	Matrix Spike
			MW95-ML9C		MW95-ML9A MSD	Matrix Spike Duplicate
			MW95-51		MW95-54	Blind Duplicate for MW95-ML9C
			MW95-52		SW95-18	Blind Duplicate for SW95-41
			SW95-14		TBRS110896	Trip Blank
			SW95-41		TBRS111196	Trip Blank
Groundwater Sampling (2-SGD)						
OU2 - ROUND 2B	SDG #RW43	3/11 - 3/17/97	RW31/004	FULL CLP(3)	EBGW031197	Peristaltic pump blank
			RW43/007	WATER QUALITY PARAMETERS (7)	MW97-ML10A MS	Matrix Spike
			RW43/167		MW97-ML10A MSD	Matrix Spike Duplicate
			MW97-54		MW97-55	Blind Duplicate for MW97-54
			MW95-ML9C		TBGW031197	Trip Blank
			MW97-ML10A		TBGW031297	Trip Blank
			MW97-ML10B		TBGW031397	Trip Blank
					TBGW031497	Trip Blank
					TBGW031797	Trip Blank
OU2 - ROUND 2B	SDG #MW54	4/23 - 4/24/97	MW97-54	FULL CLP(3)	EBGW042497	Peristaltic pump blank
			MW97-ML10A	WATER QUALITY PARAMETERS (7)	MW97-54 MS	Matrix Spike
			MW97-ML10B		MW97-54 MSD	Matrix Spike Duplicate
					MW97-55	Blind Duplicate for MW97-ML10A
					TBGW042397	Trip Blank
					TBGW042497	Trip Blank
Sediment Samples (1-SDG)						
OU2 - Eco Risk (13)	SDG#: SED-50	5/27 -28/98	SED98-50	FULL CLP(3)		
			SED98-51		SED98-52 MS	Matrix Spike
			SED98-52		SED98-52 MSD	Matrix Spike Duplicate
			SED98-53			
			SED98-54			

TABLE 6-1

OU2 RI/FS - ANALYTICAL SAMPLE SUMMARY

Central Landfill - Johnston, Rhode Island

FIELD SAMPLING PROGRAM	SAMPLE DELIVERY GROUPS	SAMPLING DATES	ANALYTICAL SAMPLES	TYPE OF ANALYSES [1]	QA/QC SAMPLES	COMMENTS
Surface Water Samples (1-SDG)						
OU2 - Eco Risk (13)	SDG #: SW-50	5/27 -28/98	SW98-50 SW98-51 SW98-52 SW98-53 SW98-54	FULL CLP(3) WATER QUALITY PARAMETERS (6)	SW98-52 MS SW98-52 MSD	Matrix Spike Matrix Spike Duplicate
Groundwater Sampling (1-SGD)						
OU2 - ROUND 2 (Residential Well)	SDG #RW43	12/19/2000	RW43/275	FULL CLP(3) WATER QUALITY PARAMETERS (14)	RW43/276 TRIPBLANK121900	Blind Duplicate for RW43275 Tripblank

NOTES:

1) Analytical Method requirements are described in the Table 1 of the Upper Simmons Reservoir Sediment Study Phase II Report (Phase II Report), dated July 1993 and November 6, 1995 "Sampling and Analysis Plan - Final Draft" (SAP) and "Quality Assurance Project Plan - Final Draft" (QAPP) for the Operable Unit 2 Remedial Investigation Central Landfill.
2) As described on Table 1 of the July 1993 Phase II Report, not all analyses were performed on all samples. Chlorinated Herbicides analyses were performed by EPA Method 8015 on samples SED93-23-O and SED93-26-O. No detected results were reported for these Herbicide analyses, and they do not appear in the summary tables that follow.
3) Full CLP includes TCL Volatiles and semi-volatiles with GC/MS library search, PCBs and pesticides, TAL metals including cyanide, and a standard CLP data package for each.
4) Wet Chemistry Parameters for Soil Samples include Lloyd Khan Total Organic Carbon (TOC) and pH.
5) Wet Chemistry Parameters for Sediment Samples include TOC, pH, and Acid Volatile Sulfides/Simultaneously Extracted Metals (AVS/SEM).
6) Water Quality Parameters for Surface Water Samples include Ammonia, Nitrate, Nitrite, TKN, TSS, TDS, Hardness and Total Phosphorus.
7) Water Quality Parameters for Groundwater Samples include the 15 analytes presented on Table 6-3.
8) CLP Dissolved Metals include the 23 TAL elements, not cyanide.
9) Due to previous sediment characterization analytical samples from Upper Simmons Reservoir were submitted for PCB/Pesticide only.
10) Due to previous groundwater characterization, analytical samples from background wells were submitted for Total and Dissolved Metals, Total Cyanide and Water Quality Parameters. Background wells are designated as WE65-16, WE85-18, WE87-8 and WE87-17.
11) For various reasons reported in the project narratives these target samples were resampled for their organic constituents.
12) Based on the Preliminary Risk Screening Results of OU2 Round 1A, all background and target surface water locations were resampled for total and dissolved metals, and total cyanide during Round 2. One-quarter of the sampling locations were also resampled for the full suite of CLP and water quality parameters in Round 2.
13) No Trip Blanks (TB) were analyzed for CLP TCL volatile organics during this sampling project.
    No Equipment Blanks (EB) were analyzed for CLP TCL/TAL program during this sampling project.
    No Blind Duplicates (BD)were analyzed for CLP TCL/TAL program during this sampling project.
    No project Wet Chemistry Parameters for Sediment Samples during this sampling project.
    Water Quality Parameters for surface water samples include Ammonia, Nitrate, Nitrite, TKN, TSS, Hardness and Total Phosphorus (and not TDS as in previous rounds).
    Surface water samples were analyzed for CLP Dissolved Metals include the 23 TAL elements and total cyanide.
14) Water Quality Parameters for Groundwater Samples include the 15 analytes presented on Table 6-3 except Chemical Oxygen Demand (COD). The only QAQC samples taken with this residential well sampling were a blind duplicate and a trip blank.

TABLE 6-2

METHOD DETECTION LIMITS/DATA QUALITY OBJECTIVES
OU2 RI/FS SOIL AND SEDIMENT SAMPLE ANALYSES

Central Landfill - Johnston, Rhode Island

	Analytes	Target SQL(2) ug/Kg	Soil		Sediment
			Human Health Standards ug/Kg (3)	Ecological Benchmark ug/Kg (8)	Ecological Benchmarks ug/Kg (4)
VOLATILE ORGANIC COMPOUNDS - CLP/TCL(1)					
1	CHLOROMETHANE	10	--	--	--
2	BROMOMETHANE	10	--	--	--
3	VINYL CHLORIDE	10	--	--	--
4	CHLOROETHANE	10	--	--	--
5	METHYLENE CHLORIDE	10	--	--	--
6	ACETONE	10	--	--	--
7	CARBON DISULFIDE	10	--	--	--
8	1,1-DICHLOROETHENE	10	--	--	--
9	1,1-DICHLOROETHANE	10	--	--	--
10	1,2-DICHLOROETHENE (total)	10	--	--	--
11	CHLOROFORM	10	--	--	--
12	1,2-DICHLOROETHANE	10	--	--	--
13	2-BUTANONE (MEK)	10	--	--	--
14	1,1,1-TRICHLOROETHANE	10	--	--	--
15	CARBON TETRACHLORIDE	10	--	--	--
16	BROMODICHLOROMETHANE	10	--	--	--
17	1,2-DICHLOROPROPANE	10	--	--	--
18	cis-1,3-DICHLOROPROPENE	10	--	--	--
19	TRICHLOROETHENE	10	--	--	--
20	DIBROMOCHLOROMETHANE	10	--	--	--
21	1,1,2-TRICHLOROETHANE	10	--	--	--
22	BENZENE	10	--	*500*	--
23	trans-1,3-DICHLOROPROPENE	10	--	--	--
24	BROMOFORM	10	--	--	--
25	4-METHYL-2-PENTANONE (MiBK)	10	--	--	--
26	2-HEXANONE (MBK)	10	--	--	--
27	TETRACHLOROETHENE	10	--	--	--
28	1,1,2,2-TETRACHLOROETHANE	10	--	--	--
29	TOLUENE	10	--	*3000*	--
30	CHLOROBENZENE	10	--	*1000*	--
31	ETHYL BENZENE	10	--	*5000*	--
32	STYRENE	10	--	*5000*	--
33	XYLENES (total)	10	--	*5000*	--

TABLE 6-2

METHOD DETECTION LIMITS/DATA QUALITY OBJECTIVES
OU2 RI/FS SOIL AND SEDIMENT SAMPLE ANALYSES

Central Landfill - Johnston, Rhode Island

	Analytes	Target SQL(2) ug/Kg	Soil		Sediment
			Human Health Standards ug/Kg (3)	Ecological Benchmark ug/Kg (8)	Ecological Benchmarks ug/Kg (4)
SEMI-VOLATILE ORGANIC COMPOUNDS - CLP/TCL					
34	PHENOL	330	--	*1000*	--
35	Bis-(2-CHLOROETHYL)-ETHER	330	--	--	--
36	2-CHLOROPHENOL	330	--	*500*	--
37	1,3-DICHLOROBENZENE	330	--	*1000*	--
38	1,4-DICHLOROBENZENE	330	--	*1000*	--
39	1,2-DICHLOROBENZENE	330	--	*1000*	--
40	2-METHYLPHENOL	330	--	*1000*	--
41	2,2'-OXYBIS(1-CHLOROPROPANE)	330	--	--	--
42	4-METHYLPHENOL	330	--	*1000*	--
43	n-NITROSO-DI-n-PROPYLAMINE	330	--	--	--
44	HEXACHLOROETHANE	330	--	--	--
45	NITROBENZENE	330	--	--	--
46	ISOPHORONE	330	--	--	--
47	2-NITROPHENOL	330	--	*1000*	--
48	2,4-DIMETHYLPHENOL	330	--	*1000*	--
49	Bis-(2-CHLOROETHOXY)-METHANE	330	--	--	--
50	2,4-DICHLOROPHENOL	330	--	*500*	--
51	1,2,4-TRICHLOROBENZENE	330	--	*1000*	--
52	NAPHTHALENE	330	--	500	*340 (4a)*
53	4-CHLOROANILINE	330	--	--	--
54	HEXACHLOROBUTADIENE	330	--	--	--
55	4-CHLORO-3-METHYLPHENOL	330	--	*500*	--
56	2-METHYLNAPHTHALENE	330	--	--	*65 (4a)**
57	HEXACHLOROCYCLOPENTADIENE	330	--	--	--
58	2,4,6-TRICHLOROPHENOL	330	--	*500*	--
59	2,4,5-TRICHLOROPHENOL	830	--	*500**	--
60	2-CHLORONAPHTHALENE	330	--	--	--
61	2-NITROANALINE	830	--	--	--
62	DIMETHYL PHTHALATE	330	--	--	--
63	ACENAPHTHYLENE	330	--	*10000*	--
64	2,6-DINITROTOLUENE	330	--	--	--
65	3-NITROANALINE	830	--	--	--
66	ACENAPHTHENE	330	--	--	*160 (4a)**
67	2,4-DINITROPHENOL	830	--	*1000*	--

TABLE 6-2

METHOD DETECTION LIMITS/DATA QUALITY OBJECTIVES
OU2 RI/FS SOIL AND SEDIMENT SAMPLE ANALYSES

Central Landfill - Johnston, Rhode Island

	Analytes	Target SQL(2) ug/Kg	Soil		Sediment
			Human Health Standards ug/Kg (3)	Ecological Benchmark ug/Kg (8)	Ecological Benchmarks ug/Kg (4)
SEMI-VOLATILE ORGANIC COMPOUNDS (continued)					
68	4-NITROPHENOL	830	--	*1000*	--
69	DIBENZOFURAN	330	--	--	--
70	2,4-DINITROTOLUENE	330	--	--	--
71	DIETHYL PHTHALATE	330	--	--	--
72	4-CHLOROPHENYL-PHENYLETHER	330	--	--	--
73	FLUORENE	330	--	*10000*	--
74	4-NITROANALINE	830	--	--	--
75	4,6-DINITRO-2-METHYLPHENOL	830	--	*1000*	--
76	n-NITROSO-DI-PHENYLAMINE	330	--	--	--
77	4-BROMOPHENYL-PHENYLETHER	330	--	--	--
78	HEXACHLOROBENZENE	330	--	*1000*	--
79	PENTACHLOROPHENOL	830	--	*500**	--
80	PHENANTHRENE	330	--	*500*	560 (4b)
81	ANTHRACENE	330	--	10000	*220 (4b)**
82	CARBAZOLE	330	--	--	--
83	Di-n-BUTYL PHTHALATE	330	--	--	--
84	FLUORANTHENE	330	--	10000	*750 (4b)*
85	PYRENE	330	--	10000	*490 (4b)*
86	BUTYL BENZYL PHTHALATE	330	--		--
87	3,3-DICHLOROBENZIDINE	330	--		--
88	BENZO-(a)-ANTHRACENE	330	--	*1000*	--
89	CHRYSENE	330	--	1000	*340 (4b)*
90	Bis-(2-ETHYLHEXYL)-PHTHALATE	330	--	--	--
91	Di-n-OCTYL PHTHALATE	330	--	--	--
92	BENZO-(b)-FLUORANTHENE	330	--	--	--
93	BENZO-(k)-FLUORANTHENE	330	--	--	*240 (4b)**
94	BENZO-(a)-PYRENE	330	--	1000	*370 (4b)*
95	INDENO-(1,2,3-CD)-PYRENE	330	--	1000	*200 (4b)**
96	DIBENZO-(a,h)-ANTHRACENE	330	--	1000	*60 (4b)**
97	BENZO-(g,h,i)-PERYLENE	330	--	--	*170 (4b)**

TABLE 6-2

METHOD DETECTION LIMITS/DATA QUALITY OBJECTIVES
OU2 RI/FS SOIL AND SEDIMENT SAMPLE ANALYSES

Central Landfill - Johnston, Rhode Island

Analytes	Target SQL(2) ug/Kg	Soil		Sediment
		Human Health Standards ug/Kg (3)	Ecological Benchmark ug/Kg (8)	Ecological Benchmarks ug/Kg (4)
POLYCHLORINATED BIPHENYLS - CLP/TCL				
119 AROCLOR 1016	33	1000	1000 T	*7 (4b)**
120 AROCLOR 1221	67	*1000*	1000 T	--
121 AROCLOR 1232	33	*1000*	1000 T	--
122 AROCLOR 1242	33	1000	1000 T	*7**
123 AROCLOR 1248	33	1000	1000 T	*30 (4b)**
124 AROCLOR 1254	33	1000	1000 T	*60 (4b)*
125 AROCLOR 1260	33	1000	1000 T	*5 (4b)**
PESTICIDES				
98 ALPHA - BHC	1.7	--	500	*6 (4b)*
99 BETA - BHC	1.7	--	500	*5 (4b)*
100 DELTA - BHC	1.7	--	*500*	--
101 GAMMA - BHC (Lindane)	1.7	--	500	*0.2 (4b)**
102 HEPTACHLOR	1.7	--	500	*0.3 (4b)**
103 ALDRIN	1.7	--	500	*2 (4b)*
104 HEPTACHLOR EPOXIDE	1.7	--	500	*5 (4b)*
105 ENDOSULFAN I	1.7	--	*500*	--
106 DIELDRIN	3.3	--	500	*0.6 (4b)**
107 4,4'-DDE	3.3	--	*500*	--
108 ENDRIN	3.3	--	500	*0.5 (4b)**
109 ENDOSULFAN II	3.3	--	*500*	--
110 4,4'-DDD	3.3	--	500	*8 (4b)*
111 ENDOSULFAN SULFATE	3.3	--	*500*	--
112 4,4'-DDT	3.3	--	500	*8 (4b)*
113 METHOXYCHLOR	17.0	--	*500*	--
114 ENDRIN KETONE	3.3	--	*500*	--
115 ENDRIN ALDEHYDE	3.3	--	*500*	--
116 ALPHA-CHLORDANE	1.7	--	500	*5 (4b)*
117 GAMMA-CHLORDANE	1.7	--	500	*5 (4b)*
118 TOXAPHENE	170.0	--	*500*	--

TABLE 6-2

METHOD DETECTION LIMITS/DATA QUALITY OBJECTIVES
OU2 RI/FS SOIL AND SEDIMENT SAMPLE ANALYSES

Central Landfill - Johnston, Rhode Island

Analytes	Target SQL(2) ug/Kg	Soil		Sediment
		Human Health Standards ug/Kg (3)	Ecological Benchmark ug/Kg (8)	Ecological Benchmarks ug/Kg (4)
METALS - CLP/TAL(6)				
1 Aluminum	40	--	--	--
2 Antimony	12	--	--	*2000 (4a)*
3 Arsenic	2	--	30000	*6000 (4b)*
4 Barium	40	--	*400000*	--
5 Beryllium	1	--	--	--
6 Cadmium	1	--	5000	*600 (4b)*
7 Calcium	1000	--	--	--
8 Chromium	2	--	250000	*26000 (4b)*
9 Cobalt	10	--	*50000*	50000 (4c)*
10 Copper	5	--	100000	*16000 (4b)*
11 Iron	20	--	--	*20000000 (4b)*
12 Lead	0.6	150000	200000	*31000 (4b)*
13 Magnesium	1000	--	--	--
14 Manganese	3	--	--	*460000 (4b)*
15 Mercury	0.1	--	2000	*200 (4b)*
16 Nickel	8	--	100000	*16000*
17 Potassium	1000	--	--	--
18 Selenium	1	--	*3000*	--
19 Silver	2	--	10000	*500 (4a)*
20 Sodium	1000	--	--	--
21 Thallium	2	--	--	--
22 Vanadium	10	--	--	--
23 Zinc	4	--	500000	*120000 (4b)*
24 Cyanide	1	--	*10000*	--
WET CHEMISTRY PARAMETERS(7)				
1 Total Organic Carbon	5,000	--	--	--
2 pH	0.1	--	--	--
3 Grain Size	NA	--	--	--
4 Acid Volatile Sulfides (AVS)	0.1 µmole/g	--	--	--
5 Simultaneously Extracted Metals (SEM)	Per Compound	--	--	--

TABLE 6-3

METHOD DETECTION LIMITS/DATA QUALITY OBJECTIVES
OU2 RI/FS GROUNDWATER AND SURFACE WATER SAMPLE ANALYSES

Central Landfill - Johnston, Rhode Island

	Analytes	Target SQL(1) ug/L	Human Health Standards MCLs(2) ug/L	Human Health Standards Fish Ingestion(3) ug/L	Eco. Standards Chronic AWQCs(4) ug/L
VOLATILE ORGANIC COMPOUNDS - CLP/TCL(1)					
1	CHLOROMETHANE	1	--		
2	BROMOMETHANE	1	--	*4000(8)*	
3	VINYL CHLORIDE	1	*2*	525	
4	CHLOROETHANE	1	--		
5	METHYLENE CHLORIDE	10	*5*	16000	214
6	ACETONE	10	--		
7	CARBON DISULFIDE	1	--		
8	1,1-DICHLOROETHENE	1	7	*1.85*	13
9	1,1-DICHLOROETHANE	1	--		
10	1,2-DICHLOROETHENE (total)	1	*70*		
11	CHLOROFORM	1	--	470	*32*
12	1,2-DICHLOROETHANE	1	*5*	99	131
13	2-BUTANONE (MEK)	5	--		
14	1,1,1-TRICHLOROETHANE	1	200	*18.4*	
15	CARBON TETRACHLORIDE	1	5	*4.4*	30
16	BROMODICHLOROMETHANE	1	--	220	
17	1,2-DICHLOROPROPANE	1	*5*		58
18	cis-1,3-DICHLOROPROPENE	1	--	*1700*	
19	TRICHLOROETHENE	1	*5*	80.7	43
20	DIBROMOCHLOROMETHANE	1	--	340	
21	1,1,2-TRICHLOROETHANE	1	*5*	42	
22	BENZENE	1	*5*	71	5.9
23	trans-1,3-DICHLOROPROPENE	1	--	*1700*	
24	BROMOFORM	1	--	3600	*33*
25	4-METHYL-2-PENTANONE (MiBK)	5	--		
26	2-HEXANONE (MBK)	5	--		
27	TETRACHLOROETHENE	1	*5*	8.85	5.3
28	1,1,2,2-TETRACHLOROETHANE	1	--	10.7	*10*
29	TOLUENE	1	1000	200000	*14*
30	CHLOROBENZENE	1	*100*	21000	
31	ETHYL BENZENE	1	700	29000	*36*
32	STYRENE	1	*100*		
33	XYLENES (total)	1	*10000*		

TABLE 6-3

METHOD DETECTION LIMITS/DATA QUALITY OBJECTIVES
OU2 RI/FS GROUNDWATER AND SURFACE WATER SAMPLE ANALYSES

Central Landfill - Johnston, Rhode Island

	Analytes	Target SQL(1) ug/L	Human Health Standards MCLs(2) ug/L	Human Health Standards Fish Ingestion(3) ug/L	Eco. Standards Chronic AWQCs(4) ug/L
SEMI-VOLATILE ORGANIC COMPOUNDS - CLP/TCL					
34	PHENOL	5	--	4600000	*5.6*
35	Bis-(2-CHLOROETHYL)-ETHER	5	--	*1.36**	
36	2-CHLOROPHENOL	5	--	402	*2.9**
37	1,3-DICHLOROBENZENE	1	*600*		
38	1,4-DICHLOROBENZENE	1	*75*		
39	1,2-DICHLOROBENZENE	1	*600*		
40	2-METHYLPHENOL	5	--		
41	2,2'-OXYBIS(1-CHLOROPROPANE)	5	--		
42	4-METHYLPHENOL	5	--		
43	n-NITROSO-DI-n-PROPYLAMINE	5	--	**1.36***	
44	HEXACHLOROETHANE	5	--	8.9	*1.1**
45	NITROBENZENE	5	--	1900	*30*
46	ISOPHORONE	5	--	600	*130*
47	2-NITROPHENOL	5	--		
48	2,4-DIMETHYLPHENOL	5	--		*2.4**
49	Bis-(2-CHLOROETHOXY)-METHANE	5	--		
50	2,4-DICHLOROPHENOL	5	--	790	*2.2**
51	1,2,4-TRICHLOROBENZENE	1	70		*1.7**
52	NAPHTHALENE	5	--		*2.6**
53	4-CHLOROANILINE	5	--		
54	HEXACHLOROBUTADIENE	5	--	*50*	
55	4-CHLORO-3-METHYLPHENOL	5	--		
56	2-METHYLNAPHTHALENE	5	--		
57	HEXACHLOROCYCLOPENTADIENE	5	50	17000	*0.008**
58	2,4,6-TRICHLOROPHENOL	5	--	3.6	*0.36**
59	2,4,5-TRICHLOROPHENOL	20	--	9800	*0.51**
60	2-CHLORONAPHTHALENE	5	--		*1.8**
61	2-NITROANALINE	20	--		
62	DIMETHYL PHTHALATE	5	--	120000	*37*
63	ACENAPHTHYLENE	5	--	*0.31**	
64	2,6-DINITROTOLUENE	5	--		
65	3-NITROANALINE	20	--		
66	ACENAPHTHENE	5	--	2670	*1.9**
67	2,4-DINITROPHENOL	20	--	9.1	*0.69**
68	4-NITROPHENOL	20	--		
69	DIBENZOFURAN	5	--		
70	2,4-DINITROTOLUENE	5	--	91	*34*
71	DIETHYL PHTHALATE	5	--	110600	*58*
72	4-CHLOROPHENYL-PHENYLETHER	5	--		
73	FLUORENE	5	--	*14000*	
74	4-NITROANALINE	20	--		
75	4,6-DINITRO-2-METHYLPHENOL	20	--	*765*	
76	n-NITROSO-DI-PHENYLAMINE	5	--	16	*6.5*
77	4-BROMOPHENYL-PHENYLETHER	5	--		
78	HEXACHLOROBENZENE	5	1	*0.00074**	
79	PENTACHLOROPHENOL	20	1	8.2	*0.13**
80	PHENANTHRENE	5	--	*0.31**	
81	ANTHRACENE	5	--		

TABLE 6-3

METHOD DETECTION LIMITS/DATA QUALITY OBJECTIVES
OU2 RI/FS GROUNDWATER AND SURFACE WATER SAMPLE ANALYSES

Central Landfill - Johnston, Rhode Island

Analytes		Target SQL(1) ug/L	Human Health Standards MCLs(2) ug/L	Human Health Standards Fish Ingestion(3) ug/L	Eco. Standards Chronic AWQCs(4) ug/L
SEMI-VOLATILE ORGANIC COMPOUNDS (continued)					
82	Di-n-BUTYL PHTHALATE	5	--	*12000*	
83	FLUORANTHENE	5	--	370	*4.4**
84	PYRENE	5	--	*11000*	
85	BUTYL BENZYL PHTHALATE	5	--	4140	*1.9**
86	3,3-DICHLOROBENZIDINE	5	--	*0.0204**	
87	BENZO-(a)-ANTHRACENE	5	--	*0.31**	
88	CHRYSENE	5	--	*0.31**	
89	Bis-(2-ETHYLHEXYL)-PHTHALATE	5	6	*5.88*	12
90	Di-n-OCTYL PHTHALATE	5	--		
91	BENZO-(b)-FLUORANTHENE	5	--	*0.31**	
92	BENZO-(k)-FLUORANTHENE	5	--	*0.31**	
93	BENZO-(a)-PYRENE	5	0.2	*0.031**	
94	INDENO-(1,2,3-CD)-PYRENE	5	--	*0.31**	
95	DIBENZO-(a,h)-ANTHRACENE	5	--	*0.31**	
96	BENZO-(g,h,i)-PERYLENE	5	--		
POLYCHLORINATED BIPHENYLS - CLP/TCL					
119	AROCLOR 1016	0.20	0.5	*0.000079**	0.014
120	AROCLOR 1221	0.40	0.5	*0.000079**	0.014
121	AROCLOR 1232	0.20	0.5	*0.000079**	0.014
122	AROCLOR 1242	0.20	0.5	*0.000079**	0.014
123	AROCLOR 1248	0.20	0.5	*0.000079**	0.014
124	AROCLOR 1254	0.20	0.5	*0.000079**	0.014
125	AROCLOR 1260	0.20	0.5	*0.000079**	0.014

TABLE 6-3

METHOD DETECTION LIMITS/DATA QUALITY OBJECTIVES
OU2 RI/FS GROUNDWATER AND SURFACE WATER SAMPLE ANALYSES

Central Landfill - Johnston, Rhode Island

Analytes		Target SQL(1) ug/L	Human Health Standards MCLs(2) ug/L	Human Health Standards Fish Ingestion(3) ug/L	Eco. Standards Chronic AWQCs(4) ug/L
PESTICIDES					
97	ALPHA - BHC	0.01	--	*0.13*	
98	BETA - BHC	0.01	--	*0.468*	
99	DELTA - BHC	0.01	--		
100	GAMMA - BHC (Lindane)	0.01	0.2	0.63	*0.08*
101	HEPTACHLOR	0.01	0.4	*0.00021**	0.0038
102	ALDRIN	0.01	--	*0.00014**	0.13
103	HEPTACHLOR EPOXIDE	0.01	0.2	*0.00011**	0.0038
104	ENDOSULFAN I	0.01	--	2	*0.56*
105	DIELDRIN	0.02	--	*0.0014**	0.0019
106	4,4'-DDE	0.02	--	*0.00059**	
107	ENDRIN	0.02	2	0.81	*0.0023**
108	ENDOSULFAN II	0.02	--	2	
109	4,4'-DDD	0.02	--	*0.00084**	
110	ENDOSULFAN SULFATE	0.02	--	2	
111	4,4'-DDT	0.02	--	*0.00059**	0.001
112	METHOXYCHLOR	0.10	*40*		
113	ENDRIN KETONE	0.02	--		
114	ENDRIN ALDEHYDE	0.02	--	*0.81*	
115	ALPHA-CHLORDANE	0.01	*2*		
116	GAMMA-CHLORDANE	0.01	2	*0.00059**	0.0043
117	TOXAPHENE	1.00	3	0.00075	*0.0002**

TABLE 6-3

METHOD DETECTION LIMITS/DATA QUALITY OBJECTIVES
OU2 RI/FS GROUNDWATER AND SURFACE WATER SAMPLE ANALYSES

Central Landfill - Johnston, Rhode Island

Analytes		Target SQL(1) ug/L	Human Health Standards MCLs(2) ug/L	Human Health Standards Fish Ingestion(3) ug/L	Eco. Standards Chronic AWQCs(4) ug/L
METALS - CLP/TAL(5)					
1	Aluminum	22	--		*87*
2	Antimony	3	*6*	43000	10
3	Arsenic	4	--	*1.4**	190
4	Barium	2	*2000*		
5	Beryllium	0.10	7	*0.000064**	0.17
6	Cadmium	0.30	5		*0.38*
7	Calcium	14	--		
8	Chromium	0.30	100	3433000	*0.067**
9	Cobalt	0.60	--		
10	Copper	1	1300		*3.62*
11	Iron	3	--		*100*
12	Lead	1.50	15		*0.54**
13	Magnesium	11	--		
14	Manganese	0.40	--	*100*	
15	Mercury	0.07	2	0.146	*0.012**
16	Nickel	1	100	1600	*48.8*
17	Potassium	556	--		
18	Selenium	4	50		*5*
19	Silver	0.15	--		*0.12**
20	Sodium	176	--		
21	Thallium	2	2	6.3	*1**
22	Vanadium	0.40	--		
23	Zinc	2	--		*32.75*
24	Cyanide	10	--	220000	*5.2**

TABLE 6-3

METHOD DETECTION LIMITS/DATA QUALITY OBJECTIVES
OU2 RI/FS GROUNDWATER AND SURFACE WATER SAMPLE ANALYSES

Central Landfill - Johnston, Rhode Island

	Analytes	Target SQL(1) ug/L	Human Health Standards MCLs(2) ug/L	Human Health Standards Fish Ingestion(3) ug/L	Eco. Standards Chronic AWQCs(4) ug/L
WATER QUALITY PARAMETERS(6)					
1	Ammonia	100	--		
2	Chloride	5,000	--		
3	Sulfate	5,000	--		
4	Nitrate	50	10000		
5	Nitrite	10	1000		
6	Total Organic Carbon	1,000	--		
7	Total Kjeldahl Nitrogen	100	--		
8	Total Coliform	2 col/100 ml	--		
9	Biological Oxygen Demand	5,000	--		
10	Chemical Oxygen Demand	5,000	--		
11	Total Solids	10,000	--		
12	Total Suspended Solids	10,000	--		
13	Total Dissolved Solids	10,000	--		
14	Hardness	1,000			
15	Total Phosphorus	50	--		

NOTES:

1) Target Sample Quantitation Limits (SQLs) are based on the USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Low Concentration Water - OLC02.0
2) The Maximum Contaminant Levels (MCLs) listed are the Final MCLs published in the October 1996 Drinking Water Regulations and Health Advisories, USEPA.
3) EPA, 1986. Office of Water, Quality Criteria for Water. Document No. EPA 440/5-86-001. Updated thorough May 1993.
4) Rhode Island Department of Environmental Management (RIDEM). RIDEM Ambient Water Quality Criteria Guidelines. Revised March 1995.
5) Contract Laboratory Program (CLP) Target Analyte List (TCL) parameters are based on the USEPA Contract Laboratory Program Statement of Work for Inorganics Analysis ILMO 3.0, December 1994. Target SQLs for inorganics are based on Mitkem Corp.'s verifiable Instrument Detection Limits (IDLs).
6) Water Quality Parameters (WQPs) were selected to address certain project specific concerns. Table 10.1 of the QAPP provides a listing of the proposed analytical methods. These methods have been modified by the project laboratory to conform with CLP Special Analytical Service (SAS) requirements for data reporting and to permit validation of results.
7) SQLs are based on Routine Analytical Service (RAS) protocols and assume no sample dilution.

* For these contaminants, the most stringent DQO is below the SQL. These compounds were assumed not to be present if not detected in any samples of the media of interest. Results flagged as estimated (J) below the SQL were included in the risk assessment if otherwise appropriate.

TABLE 6-4

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Surficial Soil Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		SS95-01			SS95-02			SS95-03		
AOC ID:		DOWNWIND			DOWNWIND			DOWNWIND		
SAMPLE ID:		SS01120595RE			SS02120695			SS03120696		
SAMPLE DATE:		12/05/95			12/05/95			12/06/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/kg	ND	10	U	ND	14	U	ND	16	UJ
Bromomethane	ug/kg	ND	10	U	ND	14	U	ND	16	UJ
Vinyl Chloride	ug/kg	ND	10	U	ND	14	U	ND	16	UJ
Chloroethane	ug/kg	ND	10	U	ND	14	U	ND	16	UJ
Methylene Chloride	ug/kg	ND	14	UJ	ND	30	UJ	ND	34	UJ
Acetone	ug/kg	ND	10	UJ	ND	16	UJ	ND	16	UJ
Carbon Disulfide	ug/kg	ND	10	U	ND	14	U	ND	16	UJ
1,1-Dichloroethene	ug/kg	ND	10	U	ND	14	U	ND	16	UJ
1,1-Dichloroethane	ug/kg	ND	10	U	ND	14	U	22	16	J
1,2-Dichloroethene, total	ug/kg	ND	10	U	ND	14	U	ND	16	UJ
Chloroform	ug/kg	ND	10	U	ND	14	U	ND	16	UJ
1,2-Dichloroethane	ug/kg	ND	10	U	ND	14	U	ND	16	UJ
Methyl ethyl ketone	ug/kg	ND	10	U	2	14	J	ND	16	UR
1,1,1-Trichloroethane	ug/kg	4	10	J	ND	14	U	92	16	J
Carbon Tetrachloride	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
Bromodichloromethane	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
1,2-Dichloropropane	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
cis-1,3-Dichloropropene	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
Trichloroethene	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
Dibromochloromethane	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
1,1,2-Trichloroethane	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
Benzene	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
trans-1,3-Dichloropropene	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
Bromoform	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
4-Methyl-2-Pentanone	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
2-Hexanone	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
Tetrachloroethene	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
1,1,2,2-Tetrachloroethane	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
Toluene	ug/kg	1	10	J	1	14	J	ND	16	UR
Chlorobenzene	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
Ethylbenzene	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
Styrene	ug/kg	ND	10	UJ	ND	14	U	ND	16	UR
Xylene, total	ug/kg	ND	10	UJ	2	14	J	ND	16	UR
Total Volatile Organics	ug/kg	5			5			114		
V TICs Concentration	ug/kg	20		J	13		J	9		J
V TICs Number	#	1		J	1		J	1		J
V Dilution Factor	---	1			1			1		
V Percent Moisture	%	29			39			39		

Notes:
See **Table 6-26** for Analytical Sampling Notes

TABLE 6-4

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Surficial Soil Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		SS95-04			SS95-05			SS95-06		
AOC ID:		DOWNWIND			DOWNWIND			DOWNWIND		
SAMPLE ID:		SS04120695RE			SS05120695RE			SS06120595RE		
SAMPLE DATE:		12/06/95			12/06/95			12/05/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/kg	ND	17	U	ND	13	U	ND	13	U
Bromomethane	ug/kg	ND	17	U	ND	13	U	ND	13	U
Vinyl Chloride	ug/kg	ND	17	U	ND	13	U	ND	13	U
Chloroethane	ug/kg	ND	17	U	ND	13	U	ND	13	U
Methylene Chloride	ug/kg	ND	24	UJ	ND	30	UJ	ND	13	UJ
Acetone	ug/kg	ND	19	UJ	ND	16	UJ	ND	13	UJ
Carbon Disulfide	ug/kg	ND	17	U	ND	13	U	ND	13	U
1,1-Dichloroethene	ug/kg	ND	17	U	ND	13	U	ND	13	U
1,1-Dichloroethane	ug/kg	ND	17	U	4	13	J	4	13	J
1,2-Dichloroethene, total	ug/kg	ND	17	U	ND	13	U	ND	13	U
Chloroform	ug/kg	ND	17	U	ND	13	U	ND	13	U
1,2-Dichloroethane	ug/kg	ND	17	U	ND	13	U	ND	13	U
Methyl ethyl ketone	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	U
1,1,1-Trichloroethane	ug/kg	ND	17	UJ	12	13	J	10	13	J
Carbon Tetrachloride	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	U
Bromodichloromethane	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	U
1,2-Dichloropropane	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	U
cis-1,3-Dichloropropene	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	U
Trichloroethene	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	U
Dibromochloromethane	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	U
1,1,2-Trichloroethane	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	U
Benzene	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	U
trans-1,3-Dichloropropene	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	U
Bromoform	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	U
4-Methyl-2-Pentanone	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	UJ
2-Hexanone	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	UJ
Tetrachloroethene	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	UJ
1,1,2,2-Tetrachloroethane	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	UJ
Toluene	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	UJ
Chlorobenzene	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	UJ
Ethylbenzene	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	UJ
Styrene	ug/kg	ND	17	UJ	ND	13	UJ	ND	13	UJ
Xylene, total	ug/kg	ND	17	UJ	3	13	J	ND	13	UJ
Total Volatile Organics	ug/kg	0			19			14		
V TICs Concentration	ug/kg	25		J	7		J	0		
V TICs Number	#	1		J	1		J	0		
V Dilution Factor	---	1			1			1		
V Percent Moisture	%	41			21			22		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-4

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Surficial Soil Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		SS95-07			SS95-08			SS95-09		
AOC ID:		DOWNWIND			DOWNWIND			DOWNWIND		
SAMPLE ID:		SS07120595			SS08120595RE			SS09120595RE		
SAMPLE DATE:		12/05/95			12/05/95			12/05/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/kg	ND	12	UJ	ND	13	U	ND	15	U
Bromomethane	ug/kg	ND	12	UJ	ND	13	U	ND	15	U
Vinyl Chloride	ug/kg	ND	12	UJ	ND	13	U	ND	15	U
Chloroethane	ug/kg	ND	12	UJ	ND	13	U	ND	15	U
Methylene Chloride	ug/kg	ND	18	UJ	ND	14	UJ	ND	22	UJ
Acetone	ug/kg	ND	12	UJ	ND	13	UJ	ND	15	UJ
Carbon Disulfide	ug/kg	ND	12	UJ	ND	13	U	ND	15	U
1,1-Dichloroethene	ug/kg	ND	12	UJ	ND	13	U	ND	15	U
1,1-Dichloroethane	ug/kg	10	12	J	4	13	J	3	15	J
1,2-Dichloroethene, total	ug/kg	ND	12	UJ	ND	13	U	ND	15	U
Chloroform	ug/kg	ND	12	UJ	ND	13	U	ND	15	U
1,2-Dichloroethane	ug/kg	ND	12	UJ	ND	13	U	ND	15	U
Methyl ethyl ketone	ug/kg	ND	12	UJ	ND	13	UJ	ND	15	U
1,1,1-Trichloroethane	ug/kg	31	12	J	10	13	J	10	15	J
Carbon Tetrachloride	ug/kg	ND	12	UJ	ND	13	UJ	ND	15	U
Bromodichloromethane	ug/kg	ND	12	UJ	ND	13	UJ	ND	15	U
1,2-Dichloropropane	ug/kg	ND	12	UJ	ND	13	UJ	ND	15	U
cis-1,3-Dichloropropene	ug/kg	ND	12	UJ	ND	13	UJ	ND	15	U
Trichloroethene	ug/kg	ND	12	UJ	ND	13	UJ	ND	15	U
Dibromochloromethane	ug/kg	ND	12	UJ	ND	13	UJ	ND	15	U
1,1,2-Trichloroethane	ug/kg	ND	12	UJ	ND	13	UJ	ND	15	U
Benzene	ug/kg	ND	12	UJ	ND	13	UJ	ND	15	U
trans-1,3-Dichloropropene	ug/kg	ND	12	UJ	ND	13	UJ	ND	15	U
Bromoform	ug/kg	ND	12	UJ	ND	13	UJ	ND	15	U
4-Methyl-2-Pentanone	ug/kg	ND	12	UR	ND	13	UJ	ND	15	UJ
2-Hexanone	ug/kg	ND	12	UR	ND	13	UJ	ND	15	UJ
Tetrachloroethene	ug/kg	ND	12	UR	ND	13	UJ	ND	15	UJ
1,1,2,2-Tetrachloroethane	ug/kg	ND	12	UR	ND	13	UJ	ND	15	UJ
Toluene	ug/kg	2	12	J	ND	13	UJ	ND	15	UJ
Chlorobenzene	ug/kg	ND	12	UR	ND	13	UJ	ND	15	UJ
Ethylbenzene	ug/kg	ND	12	UR	ND	13	UJ	ND	15	UJ
Styrene	ug/kg	ND	12	UR	ND	13	UJ	ND	15	UJ
Xylene, total	ug/kg	ND	12	UR	ND	13	UJ	ND	15	UJ
Total Volatile Organics	ug/kg	43			14			13		
V TICs Concentration	ug/kg	7		J	0			39		J
V TICs Number	#	1		J	0			2		J
V Dilution Factor	---	1			1			1		
V Percent Moisture	%	20			21			32		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-4

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Surficial Soil Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		SS95-09			SS95-10			SS95-11		
AOC ID:		DOWNWIND			DOWNWIND			DOWNWIND		
SAMPLE ID:		SS15120595BDRE			SS10120595RE			SS11120695		
SAMPLE DATE:		12/05/95			12/05/95			12/06/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
Bromomethane	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
Vinyl Chloride	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
Chloroethane	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
Methylene Chloride	ug/kg	ND	23	UJ	ND	16	UJ	ND	30	UJ
Acetone	ug/kg	ND	15	UJ	ND	13	UJ	ND	23	UJ
Carbon Disulfide	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
1,1-Dichloroethene	ug/kg	ND	15	U	ND	13	U	ND	17	U
1,1-Dichloroethane	ug/kg	3	15	J	4	13	J	2	17	J
1,2-Dichloroethene, total	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
Chloroform	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
1,2-Dichloroethane	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
Methyl ethyl ketone	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
1,1,1-Trichloroethane	ug/kg	8	15	J	13	13		8	17	J
Carbon Tetrachloride	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
Bromodichloromethane	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
1,2-Dichloropropane	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
cis-1,3-Dichloropropene	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
Trichloroethene	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
Dibromochloromethane	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
1,1,2-Trichloroethane	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
Benzene	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
trans-1,3-Dichloropropene	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
Bromoform	ug/kg	ND	15	U	ND	13	U	ND	17	UJ
4-Methyl-2-Pentanone	ug/kg	ND	15	UJ	ND	13	UJ	ND	17	UJ
2-Hexanone	ug/kg	ND	15	UJ	ND	13	UJ	ND	17	UJ
Tetrachloroethene	ug/kg	ND	15	UJ	ND	13	UJ	ND	17	UJ
1,1,2,2-Tetrachloroethane	ug/kg	ND	15	UJ	ND	13	UJ	ND	17	UJ
Toluene	ug/kg	ND	15	UJ	ND	13	UJ	ND	17	UJ
Chlorobenzene	ug/kg	ND	15	UJ	ND	13	UJ	ND	17	UJ
Ethylbenzene	ug/kg	ND	15	UJ	ND	13	UJ	ND	17	UJ
Styrene	ug/kg	ND	15	UJ	ND	13	UJ	ND	17	UJ
Xylene, total	ug/kg	ND	15	UJ	ND	13	UJ	ND	17	UJ
Total Volatile Organics	ug/kg	11			17			10		
V TICs Concentration	ug/kg	18		J	0			26		J
V TICs Number	#	1		J	0			1		J
V Dilution Factor	---	1			1			1		
V Percent Moisture	%	35			22			41		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-4

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Surficial Soil Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		SS95-12			SS95-13			EQUIPBLK			TRIPBLK		
AOC ID:		BKGND			BKGND			QAQC			QAQC		
SAMPLE ID:		SS12120696RE			SS13120695			EBSS120595			TBSS120595		
SAMPLE DATE:		12/06/95			12/06/95			12/05/95			12/05/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/kg	ND	14	U	ND	14	U	ND	1	U	ND	1	U
Bromomethane	ug/kg	ND	14	U	ND	14	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/kg	ND	14	U	ND	14	U	ND	1	U	ND	1	U
Chloroethane	ug/kg	ND	14	U	ND	14	U	ND	1	U	ND	1	U
Methylene Chloride	ug/kg	ND	67	UJ	ND	53	UJ	**5**	**2**		**5**	**2**	
Acetone	ug/kg	ND	14	UJ	ND	14	UJ	**14**	**5**		**12**	**5**	
Carbon Disulfide	ug/kg	ND	14	U	ND	14	U	ND	1	U	ND	1	U
1,1-Dichloroethene	ug/kg	ND	14	U	ND	14	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/kg	**6**	**14**	**J**	ND	14	U	ND	1	U	ND	1	U
1,2-Dichloroethene, total	ug/kg	ND	14	U	ND	14	U						
Chloroform	ug/kg	ND	14	U	ND	14	U	ND	1	U	ND	1	U
1,2-Dichloroethane	ug/kg	ND	14	U	ND	14	U	ND	1	U	ND	1	U
Methyl ethyl ketone	ug/kg	ND	14	UJ	ND	14	U	ND	5	U	ND	5	U
1,1,1-Trichloroethane	ug/kg	**17**	**14**	**J**	ND	14	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
Trichloroethene	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
Dibromochloromethane	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
Benzene	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
trans-1,3-Dichloropropene	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
Bromoform	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/kg	ND	14	UJ	ND	14	U	ND	5	U	ND	5	U
2-Hexanone	ug/kg	ND	14	UJ	ND	14	U	ND	5	U	ND	5	U
Tetrachloroethene	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
Toluene	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
Chlorobenzene	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
Ethylbenzene	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
Styrene	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
Xylene, total	ug/kg	ND	14	UJ	ND	14	U	ND	1	U	ND	1	U
Total Volatile Organics	ug/kg	23			0			19			17		
V TICs Concentration	ug/kg	0			0			0			0		
V TICs Number	#	0			0			0			0		
V Dilution Factor	--	1			1			1			1		
V Percent Moisture	%	30			26			100			100		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-5

OU2 RI/FS- CLP SEMI-VOLATILE ORGANIC RESULTS
Surficial Soil Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		SS95-01			SS95-02			SS95-03			SS95-04			SS95-05		
AOC ID:		DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND		
SAMPLE ID:		SS01120595RE			SS02120695			SS03120696			SS04120695			SS05120695		
SAMPLE DATE :		12/05/95			12/05/95			12/06/95			12/06/95			12/06/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Phenol	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
bis(2-Chloroethyl)ether	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
2-Chlorophenol	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
1,3-Dichlorobenzene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
1,4-Dichlorobenzene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
1,2-Dichlorobenzene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
2-Methylphenol	ug/kg	ND	610	U	ND	450	U	130	580	J	ND	640	U	ND	440	U
2,2'-oxybis(1-Chloropropane)	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
4-Methylphenol	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
N-Nitroso-di-n-propylamine	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Hexachloroethane	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Nitrobenzene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Isophorone	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
2-Nitrophenol	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
2,4-Dimethylphenol	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
bis(2-Chloroethoxy)methane	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
2,4-Dichlorophenol	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
1,2,4-Trichlorobenzene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Naphthalene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
4-Chloroaniline	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Hexachlorobutadiene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
4-Chloro-3-methylphenol	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
2-Methylnaphthalene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Hexachlorocyclopentadiene	ug/kg	ND	610	U	ND	450	UJ	ND	580	UJ	ND	640	UJ	ND	440	UJ
2,4,6-Trichlorophenol	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
2,4,5-Trichlorophenol	ug/kg	ND	1500	U	ND	1100	U	ND	1500	U	ND	1600	U	ND	1100	U
2-Chloronaphthalene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
2-Nitroaniline	ug/kg	ND	1500	U	ND	1100	U	ND	1500	U	ND	1600	U	ND	1100	U
Dimethylphthalate	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Acenaphthylene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
2,6-Dinitrotoluene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
3-Nitroaniline	ug/kg	ND	1500	U	ND	1100	U	ND	1500	U	ND	1600	U	ND	1100	U
Acenaphthene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
2,4-Dinitrophenol	ug/kg	ND	1500	U	ND	1100	U	ND	1500	U	ND	1600	U	ND	1100	U
4-Nitrophenol	ug/kg	ND	1500	U	ND	1100	U	ND	1500	U	ND	1600	U	ND	1100	U
Dibenzofuran	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
2,4-Dinitrotoluene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Diethylphthalate	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
4-Chlorophenyl-phenylether	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Fluorene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
4-Nitroaniline	ug/kg	ND	1500	U	ND	1100	UJ	ND	1500	U	ND	1600	UJ	ND	1100	U
2-Methyl-4,6-dinitrophenol	ug/kg	ND	1500	U	ND	1100	U	ND	1500	U	ND	1600	U	ND	1100	U
N-Nitrosodiphenylamines	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
4-Bromophenyl-phenylether	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Hexachlorobenzene	ug/kg	ND	610	U	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Pentachlorophenol	ug/kg	ND	1500	U	ND	1100	U	ND	1500	U	ND	1600	U	ND	1100	U
Phenanthrene	ug/kg	420	610	J	ND	450	U	240	580	J	ND	640	U	48	440	J
Anthracene	ug/kg	73	610	J	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Carbazole	ug/kg	75	610	J	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Di-n-butylphthalate	ug/kg	ND	610	U	ND	450	U	59	580	J	ND	640	U	ND	440	U
Fluoranthene	ug/kg	630	610		120	450	J	340	580	J	120	640	J	64	440	J
Pyrene	ug/kg	770	610		160	450	J	410	580	J	ND	640	U	92	440	J
Butylbenzylphthalate	ug/kg	ND	610	UJ	ND	450	UJ	ND	580	UJ	ND	640	U	ND	440	U
3,3'-Dichlorobenzidine	ug/kg	ND	610	U	ND	450	UR	ND	580	UR	ND	640	UR	ND	440	UR
Benzo(a)anthracene	ug/kg	290	610	J	61	450	J	170	580	J	ND	640	U	ND	440	U
Chrysene	ug/kg	350	610	J	74	450	J	200	580	J	120	640	J	ND	440	U
bis(2-Ethylhexyl)phthalate	ug/kg	380	610	J	93	450	J	470	580	J	24000	640		72	440	J
Di-n-octylphthalate	ug/kg	ND	610	UJ	ND	450	UJ	ND	580	U	ND	640	UJ	ND	440	U
Benzo(b)fluoranthene	ug/kg	590	610	J	75	450	J	300	580	J	71	640	J	56	440	J
Benzo(k)fluoranthene	ug/kg	180	610	J	ND	450	U	140	580	J	ND	640	U	ND	440	U
Benzo(a)pyrene	ug/kg	280	610	J	63	450	J	160	580	J	ND	640	U	ND	440	U
Indeno(1,2,3-cd)pyrene	ug/kg	110	610	J	ND	450	U	63	580	J	ND	640	U	ND	440	U
Dibenz(a,h)anthracene	ug/kg	ND	610	UJ	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Benzo(g,h,i)perylene	ug/kg	100	610	J	ND	450	U	ND	580	U	ND	640	U	ND	440	U
Total SVOCs	ug/kg	4248			646			2682			24311			332		
S TICs Concentration	ug/kg	49500		J	61500		J	44500		J	24600		J	56100		J
S TICs Number	#	29		J	29		J	27		J	5		J	29		J
S Dilution Factor	---	1			1			1			1			1		
S Percent Moisture	%	47			27			44			49			30.1		

Notes:
See Table 6-26 for Analytical Sampling Notes

TABLE 6-5

OU2 RI/FS- CLP SEMI-VOLATILE ORGANIC RESULTS
Surficial Soil Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		SS95-06			SS95-07			SS95-08			SS95-09			SS95-09		
AOC ID:		DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND		
SAMPLE ID:		SS06120595			SS07120595			SS08120595			SS09120595			SS15120595BD		
SAMPLE DATE :		12/05/95			12/05/95			12/05/95			12/05/95			12/05/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Phenol	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
bis(2-Chloroethyl)ether	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
2-Chlorophenol	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
1,3-Dichlorobenzene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
1,4-Dichlorobenzene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
1,2-Dichlorobenzene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
2-Methylphenol	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
2,2'-oxybis(1-Chloropropane)	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
4-Methylphenol	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
N-Nitroso-di-n-propylamine	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Hexachloroethane	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Nitrobenzene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Isophorone	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
2-Nitrophenol	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
2,4-Dimethylphenol	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
bis(2-Chloroethoxy)methane	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
2,4-Dichlorophenol	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
1,2,4-Trichlorobenzene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Naphthalene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
4-Chloroaniline	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Hexachlorobutadiene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
4-Chloro-3-methylphenol	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
2-Methylnaphthalene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Hexachlorocyclopentadiene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
2,4,6-Trichlorophenol	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
2,4,5-Trichlorophenol	ug/kg	ND	1100	U	ND	1000	U	ND	1100	U	ND	1200	U	ND	1200	U
2-Chloronaphthalene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
2-Nitroaniline	ug/kg	ND	1100	U	ND	1000	U	ND	1100	U	ND	1200	U	ND	1200	U
Dimethylphthalate	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Acenaphthylene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
2,6-Dinitrotoluene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
3-Nitroaniline	ug/kg	ND	1100	U	ND	1000	U	ND	1100	U	ND	1200	U	ND	1200	U
Acenaphthene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
2,4-Dinitrophenol	ug/kg	ND	1100	U	ND	1000	U	ND	1100	U	ND	1200	U	ND	1200	U
4-Nitrophenol	ug/kg	ND	1100	U	ND	1000	U	ND	1100	U	ND	1200	U	ND	1200	U
Dibenzofuran	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
2,4-Dinitrotoluene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Diethylphthalate	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
4-Chlorophenyl-phenylether	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Fluorene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
4-Nitroaniline	ug/kg	ND	1100	U	ND	1000	U	ND	1100	U	ND	1200	U	ND	1200	U
2-Methyl-4,6-dinitrophenol	ug/kg	ND	1100	U	ND	1000	U	ND	1100	U	ND	1200	U	ND	1200	U
N-Nitrosodiphenylamines	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
4-Bromophenyl-phenylether	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Hexachlorobenzene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Pentachlorophenol	ug/kg	ND	1100	U	ND	1000	U	ND	1100	U	ND	1200	U	ND	1200	U
Phenanthrene	ug/kg	50	440	J	60	410	J	130	440	J	170	490	J	160	480	J
Anthracene	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Carbazole	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Di-n-butylphthalate	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	92	480	J
Fluoranthene	ug/kg	78	440	J	91	410	J	200	440	J	310	490	J	300	480	J
Pyrene	ug/kg	76	440	J	94	410	J	220	440	J	320	490	J	280	480	J
Butylbenzylphthalate	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
3,3'-Dichlorobenzidine	ug/kg	ND	440	U	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Benzo(a)anthracene	ug/kg	ND	440	U	42	410	J	81	440	J	140	490	J	140	480	J
Chrysene	ug/kg	52	440	J	57	410	J	120	440	J	170	490	J	160	480	J
bis(2-Ethylhexyl)phthalate	ug/kg	110	440	J	160	410	J	240	440	J	320	490	J	250	480	J
Di-n-octylphthalate	ug/kg	ND	440	UJ	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Benzo(b)fluoranthene	ug/kg	ND	440	UJ	82	410	J	190	440	J	280	490	J	230	480	J
Benzo(k)fluoranthene	ug/kg	ND	440	UJ	ND	410	U	ND	440	U	68	490	J	73	480	J
Benzo(a)pyrene	ug/kg	ND	440	UJ	43	410	J	89	440	J	140	490	J	140	480	J
Indeno(1,2,3-cd)pyrene	ug/kg	ND	440	UJ	ND	410	U	ND	440	U	52	490	J	59	480	J
Dibenz(a,h)anthracene	ug/kg	ND	440	UJ	ND	410	U	ND	440	U	ND	490	U	ND	480	U
Benzo(g,h,i)perylene	ug/kg	ND	440	UJ	ND	410	U	ND	440	U	ND	490	U	58	480	J
Total SVOCs	ug/kg	366			629			1270			1970			1942		
S TICs Concentration	ug/kg	58400		J	40800		J	27300		J	67500		J	29000		J
S TICs Number	#	29		J	29		J	29		J	29		J	29		J
S Dilution Factor	—	1			1			1			1			1		
S Percent Moisture	%	27			21			26			34			33		

Notes:
See Table 6-26 for Analytical Sampling Notes

TABLE 6-5

OU2 RI/FS- CLP SEMI-VOLATILE ORGANIC RESULTS
Surficial Soil Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		SS95-10			SS95-11			SS95-12			SS95-13			EQUIPBLK		
AOC ID:		DOWNWIND			DOWNWIND			BKGND			BKGND			QAQC		
SAMPLE ID:		SS10120595			SS11120695			SS12120696			SS13120695			EBSS120595		
SAMPLE DATE :		12/05/95			12/06/95			12/06/95			12/06/95			12/05/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Phenol	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
bis(2-Chloroethyl)ether	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
2-Chlorophenol	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
1,3-Dichlorobenzene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U			
1,4-Dichlorobenzene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U			
1,2-Dichlorobenzene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U			
2-Methylphenol	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
2,2'-oxybis(1-Chloropropane)	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
4-Methylphenol	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
N-Nitroso-di-n-propylamine	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Hexachloroethane	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Nitrobenzene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Isophorone	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
2-Nitrophenol	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
2,4-Dimethylphenol	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
bis(2-Chloroethoxy)methane	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
2,4-Dichlorophenol	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
1,2,4-Trichlorobenzene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Naphthalene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
4-Chloroaniline	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Hexachlorobutadiene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
4-Chloro-3-methylphenol	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
2-Methylnaphthalene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Hexachlorocyclopentadiene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
2,4,6-Trichlorophenol	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
2,4,5-Trichlorophenol	ug/kg	ND	1100	U	ND	1400	U	ND	1100	U	ND	1300	U	ND	20	U
2-Chloronaphthalene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
2-Nitroaniline	ug/kg	ND	1100	U	ND	1400	U	ND	1100	U	ND	1300	U	ND	20	UJ
Dimethylphthalate	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Acenaphthylene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
2,6-Dinitrotoluene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
3-Nitroaniline	ug/kg	ND	1100	U	ND	1400	U	ND	1100	U	ND	1300	U	ND	20	U
Acenaphthene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
2,4-Dinitrophenol	ug/kg	ND	1100	U	ND	1400	U	ND	1100	U	ND	1300	U	ND	20	U
4-Nitrophenol	ug/kg	ND	1100	U	ND	1400	U	ND	1100	U	ND	1300	U	ND	20	U
Dibenzofuran	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
2,4-Dinitrotoluene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Diethylphthalate	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
4-Chlorophenyl-phenylether	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Fluorene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
4-Nitroaniline	ug/kg	ND	1100	U	ND	1400	U	ND	1100	U	ND	1300	U	ND	20	U
2-Methyl-4,6-dinitrophenol	ug/kg	ND	1100	U	ND	1400	U	ND	1100	U	ND	1300	U	ND	20	U
N-Nitrosodiphenylamines	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
4-Bromophenyl-phenylether	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Hexachlorobenzene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Pentachlorophenol	ug/kg	ND	1100	U	ND	1400	U	ND	1100	U	ND	1300	U	ND	20	U
Phenanthrene	ug/kg	55	460	J	200	550	J	ND	450	U	ND	530	U	ND	5	U
Anthracene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Carbazole	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U			
Di-n-butylphthalate	ug/kg	89	460	J	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Fluoranthene	ug/kg	86	460	J	270	550	J	ND	450	U	55	530	J	ND	5	U
Pyrene	ug/kg	82	460	J	230	550	J	ND	450	U	67	530	J	ND	5	U
Butylbenzylphthalate	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	3	5	J
3,3'-Dichlorobenzidine	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	UJ
Benzo(a)anthracene	ug/kg	ND	460	U	130	550	J	ND	450	U	ND	530	U	ND	5	U
Chrysene	ug/kg	54	460	J	170	550	J	ND	450	U	ND	530	U	ND	5	U
bis(2-Ethylhexyl)phthalate	ug/kg	140	460	J	990	550		51	450	J	98	530	J	ND	5	U
Di-n-octylphthalate	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Benzo(b)fluoranthene	ug/kg	74	460	J	220	550	J	ND	450	U	ND	530	U	ND	5	U
Benzo(k)fluoranthene	ug/kg	ND	460	U	80	550	J	ND	450	U	ND	530	U	ND	5	U
Benzo(a)pyrene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Indeno(1,2,3-cd)pyrene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Dibenz(a,h)anthracene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Benzo(g,h,i)perylene	ug/kg	ND	460	U	ND	550	U	ND	450	U	ND	530	U	ND	5	U
Total SVOCs	ug/kg	580			2290			51			220			3		
S TICs Concentration	ug/kg	63700		J	61200		J	12900		J	12000		J	0		
S TICs Number	#	28		J	29		J	29		J	28		J	0		
S Dilution Factor	---	1			1			1			1			1		
S Percent Moisture	%	29			30.2			30.3			30.1			100		

Notes:
See Table 6-26 for Analytical Sampling Notes

TABLE 6-6

OU2 RI/FS - CLP PCB/PESTICIDE RESULTS
Surficial Soil Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		SS95-01			SS95-02			SS95-03			SS95-04			SS95-05		
AOC ID:		DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND		
SAMPLE ID:		SS01120595			SS02120695			SS03120696			SS04120695			SS05120695		
SAMPLE DATE:		12/05/95			12/05/95			12/06/95			12/06/95			12/06/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
alpha-BHC	ug/kg	ND	3.2	U	ND	2.3	U	ND	3	U	ND	3.3	U	ND	2.3	U
beta-BHC	ug/kg	ND	3.2	U	ND	2.3	U	ND	3	U	ND	3.3	U	ND	2.3	U
delta-BHC	ug/kg	ND	3.2	U	ND	2.3	U	ND	3	U	ND	3.3	U	ND	2.3	U
gamma-BHC	ug/kg	ND	3.2	U	ND	2.3	U	ND	3	U	ND	3.3	U	ND	2.3	U
Heptachlor	ug/kg	ND	3.2	U	ND	2.3	U	ND	3	U	ND	3.3	U	ND	2.3	U
Aldrin	ug/kg	ND	3.2	U	ND	2.3	U	3.7	3	J	ND	3.3	U	ND	2.3	U
Heptachlor-epoxide	ug/kg	ND	3.2	U	ND	2.3	U	ND	3	U	ND	3.3	U	ND	2.3	U
Endosulfan I	ug/kg	ND	3.2	U	ND	2.3	U	ND	3	U	ND	3.3	U	ND	2.3	U
Dieldrin	ug/kg	ND	6.2	U	ND	4.5	U	ND	5.9	U	ND	6.5	U	ND	4.4	U
4,4'-DDE	ug/kg	37	6.2	J	ND	4.5	U	28	5.9	J	15	6.5	J	ND	4.4	U
Endrin	ug/kg	ND	6.2	U	ND	4.5	U	ND	5.9	U	ND	6.5	U	ND	4.4	U
Endosulfan II	ug/kg	ND	6.2	U	ND	4.5	U	ND	5.9	U	ND	6.5	U	ND	4.4	U
4,4'-DDD	ug/kg	ND	6.2	U	ND	4.5	U	10	5.9	J	ND	6.5	U	ND	4.4	U
Endosulfan-sulfate	ug/kg	ND	6.2	U	ND	4.5	U	ND	5.9	U	ND	6.5	U	ND	4.4	U
4,4'-DDT	ug/kg	110	6.2		ND	4.5	U	65	5.9		7.2	6.5		5.7	4.4	
Methoxychlor	ug/kg	ND	32	U	ND	23	U	ND	30	U	ND	34	U	ND	23	U
Endrin ketone	ug/kg	ND	6.2	U	ND	4.5	U	ND	5.9	U	ND	6.5	U	ND	4.4	U
Endrin-aldehyde	ug/kg	ND	6.2	U	ND	4.5	U	ND	5.9	U	ND	6.5	U	ND	4.4	U
alpha-Chlordane	ug/kg	ND	3.2	U	ND	2.3	U	ND	3.1	U	ND	3.3	U	ND	2.3	U
gamma-Chlordane	ug/kg	ND	3.2	U	ND	2.3	U	ND	3.1	U	ND	3.3	U	ND	2.3	U
Toxaphene	ug/kg	ND	320	U	ND	230	U	ND	300	U	ND	330	U	ND	230	U
PCB-1016	ug/kg	ND	62	U	ND	45	U	ND	59	U	ND	65	U	ND	44	U
PCB-1221	ug/kg	ND	130	U	ND	92	U	ND	120	U	ND	130	U	ND	90	U
PCB-1232	ug/kg	ND	62	U	ND	45	U	ND	59	U	ND	65	U	ND	44	U
PCB-1242	ug/kg	ND	62	U	ND	45	U	ND	59	U	ND	65	U	ND	44	U
PCB-1248	ug/kg	ND	62	U	ND	45	U	ND	59	U	ND	65	U	ND	44	U
PCB-1254	ug/kg	ND	62	U	ND	45	U	ND	59	U	ND	65	U	ND	44	U
PCB-1260	ug/kg	ND	62	U	ND	45	U	ND	59	U	ND	65	U	ND	44	U
P Dilution factor	---	1			1			1			1			1		
P Percent Moisture	%	47			27			44			49			26		

Notes: See Table 6-26 for Analytical Sampling Notes

TABLE 6-6

OU2 RI/FS - CLP PCB/PESTICIDE RESULTS

Surficial Soil Samples

Central Landfill - Johnston, Rhode Island

LOCATION ID:		SS95-06			SS95-07			SS95-08			SS95-09			SS95-09		
AOC ID:		DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND		
SAMPLE ID:		SS06120595			SS07120595			SS08120595			SS09120595			SS15120595BD		
SAMPLE DATE:		12/05/95			12/05/95			12/05/95			12/05/95			12/05/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
alpha-BHC	ug/kg	ND	2.3	U	ND	2.2	U	ND	2.3	U	ND	3	U	ND	2.5	U
beta-BHC	ug/kg	ND	2.3	U	ND	2.2	U	ND	2.3	U	ND	3	U	ND	2.5	U
delta-BHC	ug/kg	ND	2.3	U	ND	2.2	U	ND	2.3	U	ND	3	U	ND	2.5	U
gamma-BHC	ug/kg	ND	2.3	U	ND	2.2	U	ND	2.3	U	ND	3	U	ND	2.5	U
Heptachlor	ug/kg	ND	2.3	U	ND	2.2	U	ND	2.3	U	ND	3	U	ND	2.5	U
Aldrin	ug/kg	ND	2.3	U	ND	2.2	U	ND	2.3	U	ND	3	U	ND	2.5	U
Heptachlor-epoxide	ug/kg	ND	2.3	U	ND	2.2	U	ND	2.3	U	ND	3	U	ND	2.5	U
Endosulfan I	ug/kg	ND	2.3	U	ND	2.2	U	ND	2.3	U	ND	3	U	ND	2.5	U
Dieldrin	ug/kg	ND	4.5	U	ND	4.2	U	ND	4.4	U	ND	5.9	U	ND	4.9	U
4,4'-DDE	ug/kg	**5.3**	**4.5**	**J**	ND	4.2	U	**6.2**	**4.4**	**J**	ND	5.9	U	ND	4.9	U
Endrin	ug/kg	ND	4.5	U	ND	4.2	U	ND	4.4	U	ND	5.9	U	ND	4.9	U
Endosulfan II	ug/kg	ND	4.5	U	ND	4.2	U	ND	4.4	U	ND	5.9	U	ND	4.9	U
4,4'-DDD	ug/kg	ND	4.5	U	ND	4.2	U	**5.1**	**4.4**	**J**	**6.2**	**5.9**		**5.3**	**4.9**	**J**
Endosulfan-sulfate	ug/kg	**5.9**	**4.5**	**J**	ND	4.2	U	ND	4.4	U	ND	5.9	U	ND	4.9	U
4,4'-DDT	ug/kg	**11**	**4.5**		**6.7**	**4.2**	**J**	**18**	**4.4**		**8.1**	**5.9**	**J**	ND	4.9	U
Methoxychlor	ug/kg	ND	23	U	ND	22	U	ND	23	U	ND	30	U	ND	25	U
Endrin ketone	ug/kg	ND	4.5	U	ND	4.2	U	ND	4.4	U	ND	5.9	U	ND	4.9	U
Endrin-aldehyde	ug/kg	ND	4.5	U	ND	4.2	U	ND	4.4	U	ND	5.9	U	ND	4.9	U
alpha-Chlordane	ug/kg	ND	2.3	U	ND	2.2	U	**4**	**2.3**		**3.1**	**3**	**J**	**2.6**	**2.5**	**J**
gamma-Chlordane	ug/kg	ND	2.3	U	ND	2.2	U	ND	2.3	U	ND	3	U	ND	2.5	U
Toxaphene	ug/kg	ND	230	U	ND	220	U	ND	230	U	ND	300	U	ND	250	U
PCB-1016	ug/kg	ND	45	U	ND	42	U	ND	44	U	ND	59	U	ND	49	U
PCB-1221	ug/kg	ND	92	U	ND	85	U	ND	90	U	ND	120	U	ND	100	U
PCB-1232	ug/kg	ND	45	U	ND	42	U	ND	44	U	ND	59	U	ND	49	U
PCB-1242	ug/kg	ND	45	U	ND	42	U	ND	44	U	ND	59	U	ND	49	U
PCB-1248	ug/kg	ND	45	U	ND	42	U	ND	44	U	ND	59	U	ND	49	U
PCB-1254	ug/kg	ND	45	U	ND	42	U	ND	44	U	ND	59	U	ND	49	U
PCB-1260	ug/kg	ND	45	U	ND	42	U	ND	44	U	ND	59	U	ND	49	U
P Dilution factor	---	1			1			1			1			1		
P Percent Moisture	%	27			21			26			44			33		

Notes: See **Table 6-26** for Analytical Sampling Notes

TABLE 6-6

OU2 RI/FS - CLP PCB/PESTICIDE RESULTS
Surficial Soil Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		SS95-10			SS95-11			SS95-12			SS95-13			EQUIPBLK		
AOC ID:		DOWNWIND			DOWNWIND			BKGND			BKGND			QAQC		
SAMPLE ID:		SS10120595			SS11120695			SS12120696			SS13120695			EBSS120595		
SAMPLE DATE:		12/05/95			12/06/95			12/06/95			12/06/95			12/05/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
alpha-BHC	ug/kg	ND	2.4	U	ND	2.8	U	ND	2.3	U	ND	2.7	U	ND	0.01	U
beta-BHC	ug/kg	ND	2.4	U	ND	2.8	U	ND	2.3	U	ND	2.7	U	ND	0.01	U
delta-BHC	ug/kg	ND	2.4	U	ND	2.8	U	ND	2.3	U	ND	2.7	U	ND	0.01	U
gamma-BHC	ug/kg	ND	2.4	U	ND	2.8	U	ND	2.3	U	ND	2.7	U	ND	0.01	U
Heptachlor	ug/kg	ND	2.4	U	ND	2.8	UJ	ND	2.3	U	ND	2.7	U	ND	0.01	U
Aldrin	ug/kg	ND	2.4	U	ND	2.8	UJ	ND	2.3	U	ND	2.7	U	ND	0.01	U
Heptachlor-epoxide	ug/kg	ND	2.4	U	ND	2.8	UJ	ND	2.3	U	ND	2.7	U	ND	0.01	U
Endosulfan I	ug/kg	ND	2.4	U	ND	2.8	UJ	ND	2.3	U	ND	2.7	U	ND	0.01	U
Dieldrin	ug/kg	ND	4.6	U	ND	5.5	UJ	ND	4.6	U	ND	5.3	U	ND	0.02	U
4,4'-DDE	ug/kg	ND	4.6	U	5.5	5.5	J	ND	4.6	U	14	5.3	J	ND	0.02	U
Endrin	ug/kg	ND	4.6	U	ND	5.5	UJ	ND	4.6	U	ND	5.3	U	ND	0.02	U
Endosulfan II	ug/kg	ND	4.6	U	ND	5.5	UJ	ND	4.6	U	ND	5.3	U	ND	0.02	U
4,4'-DDD	ug/kg	ND	4.6	U	ND	5.5	UJ	ND	4.6	U	ND	5.3	U	ND	0.02	U
Endosulfan-sulfate	ug/kg	ND	4.6	U	ND	5.5	UJ	ND	4.6	U	ND	5.3	U	ND	0.02	U
4,4'-DDT	ug/kg	ND	4.6	U	9.3	9.3	J	ND	4.6	U	8.7	5.3	J	ND	0.02	U
Methoxychlor	ug/kg	ND	24	U	ND	28	UJ	ND	24	U	ND	27	U	ND	0.1	U
Endrin ketone	ug/kg	ND	4.6	U	ND	5.5	UJ	ND	4.6	U	ND	5.3	U	ND	0.02	U
Endrin-aldehyde	ug/kg	ND	4.6	U	ND	5.5	UJ	ND	4.6	U	ND	5.3	U	ND	0.02	U
alpha-Chlordane	ug/kg	ND	2.4	U	ND	2.8	UJ	ND	2.3	U	ND	2.7	U	ND	0.01	U
gamma-Chlordane	ug/kg	ND	2.4	U	ND	2.8	UJ	ND	2.3	U	ND	2.7	U	ND	0.01	U
Toxaphene	ug/kg	ND	240	U	ND	280	UJ	ND	240	U	ND	270	U	ND	1	U
PCB-1016	ug/kg	ND	46	U	ND	55	UJ	ND	46	U	ND	53	U	ND	0.2	U
PCB-1221	ug/kg	ND	94	U	ND	110	UJ	ND	93	U	ND	110	U	ND	0.4	U
PCB-1232	ug/kg	ND	46	U	ND	55	UJ	ND	46	U	ND	53	U	ND	0.2	U
PCB-1242	ug/kg	ND	46	U	ND	55	UJ	ND	46	U	ND	53	U	ND	0.2	U
PCB-1248	ug/kg	ND	46	U	ND	55	UJ	ND	46	U	ND	53	U	ND	0.2	U
PCB-1254	ug/kg	ND	46	U	ND	55	UJ	ND	46	U	ND	53	U	ND	0.2	U
PCB-1260	ug/kg	ND	46	U	ND	55	UJ	ND	46	U	ND	53	U	ND	0.2	U
P Dilution factor	---	1			1			1			1			1		
P Percent Moisture	%	29			40			28			38			100		

Notes: See Table 6-26 for Analytical Sampling Notes

TABLE 6-7

OU2 RI/FS - WET CHEMISTRY AND CLP INORGANIC RESULTS

Surficial Soil Samples

Central Landfill - Johnston, Rhode Island

LOCATION ID		SS95-01			SS95-02			SS95-02			SS95-02A			SS95-02B			SS95-03		
AOC ID:		DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND		
SAMPLE ID:		SS01120595			SS02120695			SS02100196			SS02A100196			SS02B100196			SS03120696		
SAMPLE DATE:		12/05/95			12/05/95			10/01/96			10/01/96			10/01/96			12/06/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Total Organic Carbon (TOC)	mg/kg	195000	101.0		19200	68.1		---			---			---			150000	97.1	
pH	S.U.	5.9	0.1		6.7	0.1		---			---			---			5.1	0.1	
Aluminum, total	mg/kg	4740.0	4.15		4360	2.5		5510	1.6	J	4620	1.6	J	7430	1.6	J	9460	3.9	
Antimony, total	mg/kg	ND	1.1	UJ	ND	0.68	UJ	ND	0.79	UJ	ND	0.86	UJ	ND	0.75	UJ	ND	1.1	UJ
Arsenic, total	mg/kg	ND	7.4	U	ND	4.9	U	ND	5.3	UJ	ND	5.7	UJ	ND	5.3	UJ	ND	9.5	U
Barium, total	mg/kg	59.4	0.38	J	28.8	0.23	J	37.3	0.4	J	28.0	0.4	J	33.3	0.4	J	41.5	0.36	J
Beryllium, total	mg/kg	0.55	0.03	J	1.5	0.02	J	1.8	0.04		1.5	0.04		0.90	0.04	J	1.3	0.03	J
Cadmium, total	mg/kg	0.52	0.08	J	ND	0.09	U	ND	0.08	UJ	ND	0.09	UJ	ND	0.08	UJ	0.34	0.07	J
Calcium, total	mg/kg	3150	21.51	J	1920	12.91	J	3180	0.8		1580	0.8		1490	0.8		1000	20.36	J
Chromium, total	mg/kg	9.6	0.08	J	4.0	0.05	J	5.8	0.06	J	4.8	0.06	J	8.3	0.06	J	7.9	0.07	J
Cobalt, total	mg/kg	3.2	0.11	J	3.5	0.07	J	3.8	0.06	J	3.0	0.06	J	4.1	0.06	J	3.4	0.11	J
Copper, total	mg/kg	21.7	0.19	J	6.0	0.11	J	ND	11.5	U	ND	7.7	U	13.4	0.2		16.8	0.18	J
Iron, total	mg/kg	9670	0.57		10100	0.34		10800	1.0		10400	1.0		11600	1.0		12300	0.54	
Lead, total	mg/kg	145	0.30		15.0	0.18		15.2	0.2	J	13.5	0.2	J	49.6	0.2	J	106	0.29	
Magnesium, total	mg/kg	657	2.08	J	709	1.25	J	984	1.0	J	672	1.0	J	1130	1.0	J	548	1.96	J
Manganese, total	mg/kg	194	0.08	J	128	0.05	J	379	0.06	J	133	0.06	J	325	0.06	J	222	0.07	J
Mercury, total	mg/kg	ND	0.5	U	ND	0.12	U	ND	0.07	U	ND	0.04	U	ND	0.06	U	ND	0.31	U
Nickel, total	mg/kg	ND	9.0	U	ND	4.6	U	8.5	0.2	J	8.5	0.2	J	7.6	0.2	J	ND	7.9	U
Potassium, total	mg/kg	832	104.9	J	1090	63.0	J	906	100	J	705	100	J	512	100	J	802	99.3	J
Selenium, total	mg/kg	ND	1.5	UJ	ND	0.91	UJ	2.4	1.0	J	ND	1.4	UJ	ND	1.3	UJ	ND	1.4	UJ
Silver, total	mg/kg	ND	0.34	UJ	ND	0.2	UJ	ND	0.53	U	ND	0.57	U	ND	0.5	U	ND	0.32	UJ
Sodium, total	mg/kg	ND	66.4	U	ND	39.9	U	559	18	J	ND	368	U	ND	282	U	ND	62.9	U
Thallium, total	mg/kg	ND	2.6	U	ND	1.6	U	ND	1.4	UJ	ND	0.86	UJ	ND	0.75	UJ	ND	2.5	U
Vanadium, total	mg/kg	36.6	0.08		20.8	0.05		24.4	0.1	J	19.0	0.1	J	21.2	0.1	J	36.7	0.07	
Zinc, total	mg/kg	92.1	0.38	J	6702	0.23	J	84.6	0.2	J	76.4	0.2	J	86.1	0.2	J	78.2	0.36	J
Cyanide, total	mg/kg	ND	3.8	UJ	ND	2.3	UJ	ND	1.6	U	ND	1.4	U	ND	1.2	U	ND	3.6	UJ
											69			79					
Dilution Factor	---	1			1			1			1			1			1		
Percent Solids	%	49.5			73.4			60.0			69.0			79.0			51.5		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-7

OU2 RI/FS - WET CHEMISTRY AND CLP INORGANIC RESULTS

Surficial Soil Samples

Central Landfill - Johnston, Rhode Island

LOCATION ID		SS95-04			SS95-05			SS95-06			SS95-07			SS95-08			SS95-09			SS95-09		
AOC ID:		DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND		
SAMPLE ID:		SS04120695			SS05120695			SS06120595			SS07120595			SS08120595			SS09120595			SS15120595BD		
SAMPLE DATE:		12/06/95			12/06/95			12/05/95			12/05/95			12/05/95			12/05/95			12/05/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Total Organic Carbon (TOC)	mg/kg	179000	100.4		46800	71.2		167000	92.6		53100	65.9		145000	83.2		68800	77.2		80800	82.2	
pH	S.U.	4.8	0.1		4.9	0.1		4.6	0.1		5.0	0.1		4.6	0.1		5.6	0.1		5.9	0.1	
Aluminum, total	mg/kg	3590	4.3		3080	2.6		4510	2.8		6680	2.6		5570	2.8		8420	3.1		8590	3.2	
Antimony, total	mg/kg	ND	1.2	UJ	ND	0.71	UJ	ND	0.76	UJ	ND	0.71	UJ	ND	0.77	UJ	ND	0.86	UJ	ND	0.87	UJ
Arsenic, total	mg/kg	ND	6.7	U	ND	5.5	U	ND	6.4	U	ND	5.6	U	8.1	0.51		10.5	0.57		10.6	0.58	
Barium, total	mg/kg	38.6	0.39	J	9.7	0.24	J	16.1	0.25	J	15.7	0.24	J	42.8	0.25	J	68.8	0.29		63.8	0.29	
Beryllium, total	mg/kg	0.79	0.03	J	0.22	0.02	J	0.43	0.02	J	0.7	0.02	J	1.7	0.02	J	2.7	0.02	J	2.6	0.02	J
Cadmium, total	mg/kg	0.41	0.08	J	0.07	0.05	J	0.2	0.05	J	0.12	0.05	J	0.41	0.05	J	0.23	0.06	J	0.25	0.06	J
Calcium, total	mg/kg	1220	22.1	J	285	13.5	J	296	14.5	J	330	13.49	J	505	14.4	J	1800	16.3	J	1500	16.5	J
Chromium, total	mg/kg	4.5	0.08	J	3.3	0.05	J	4.8	0.05	J	4.9	0.05	J	12.3	0.05	J	7.2	0.06	J	7.5	0.06	J
Cobalt, total	mg/kg	1.9	0.12	J	1.6	0.07	J	2.1	0.08	J	2.5	0.07	J	2.8	0.08	J	5.7	0.09	J	5.8	0.09	J
Copper, total	mg/kg	12.3	0.19	J	5.1	0.12	J	8.4	0.13	J	9.6	0.12	J	16.1	0.13	J	13.7	0.14	J	15.8	0.14	J
Iron, total	mg/kg	3940	0.58		6440	0.36		8400	0.38		11000	0.35		9520	0.38		19500	0.43		19300	0.43	
Lead, total	mg/kg	81.5	0.31		63.1	0.19		62	0.2		57.7	0.19		96.7	0.2		57.0	0.23		63.8	0.23	
Magnesium, total	mg/kg	218	2.14	J	166	1.3	J	281	1.4	J	376	1.3	J	338	1.39	J	1430	1.57		1360	1.59	J
Manganese, total	mg/kg	102	0.08	J	24.3	0.05	J	50.6	0.05	J	72.8	0.05	J	375	0.05	J	537	0.06	J	491	0.06	J
Mercury, total	mg/kg	ND	0.31	U	ND	0.18	U	ND	0.19	U	ND	0.15	U	ND	0.22	U	ND	0.22	U	ND	0.19	U
Nickel, total	mg/kg	ND	5.4	U	ND	2.1	U	ND	4.5	U	ND	3.2	U	ND	8	U	ND	3.7	U	ND	4.2	U
Potassium, total	mg/kg	352	107.9	J	373	65.9	J	499	70.5	J	478	65.8	J	884	70.2	J	3080	79.5		3050	80.6	
Selenium, total	mg/kg	ND	1.6	UJ	ND	0.95	UJ	ND	1	UJ	ND	0.95	UJ	ND	1	UJ	ND	1.1	UJ	ND	1.2	UJ
Silver, total	mg/kg	ND	0.35	UJ	ND	0.21	UJ	ND	0.23	UJ	ND	0.21	UJ	ND	0.23	UJ	ND	0.26	UJ	ND	0.26	UJ
Sodium, total	mg/kg	ND	68.3	U	ND	41.7	U	ND	44.6	U	ND	41.6	U	ND	45.3	U	ND	50.3	U	ND	51	U
Thallium, total	mg/kg	ND	2.7	U	ND	1.7	U	ND	1.8	U	ND	1.7	U	ND	1.8	U	ND	2.0	U	ND	2	U
Vanadium, total	mg/kg	15.7	0.08	J	19	0.05		22.4	0.05		21.3	0.05		32.2	0.05		15.4	0.06		17.2	0.06	
Zinc, total	mg/kg	29.9	0.39	J	18.9	0.24	J	42.4	0.25	J	52.3	0.24	J	112	0.25	J	167	0.29	J	162	0.29	J
Cyanide, total	mg/kg	ND	3.9	UJ	ND	2.4	UJ	ND	2.5	UJ	ND	2.4	UJ	ND	2.6	UJ	ND	2.9	UJ	ND	2.9	UJ
Dilution Factor	---	1			1			1			1			1			1			1		
Percent Solids	%	49.8			70.2			54.0			75.9			60.1			64.8			60.8		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-7

OU2 RI/FS - WET CHEMISTRY AND CLP INORGANIC RESULTS

Surficial Soil Samples

Central Landfill - Johnston, Rhode Island

LOCATION ID		SS95-09			SS95-09			SS95-09A			SS95-09B			SS95-10			SS95-11		
AOC ID:		DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND			DOWNWIND		
SAMPLE ID:		SS09100196			SS15100196BD			SS09A100196			SS09B100196			SS10120595			SS11120695		
SAMPLE DATE:		10/01/96			10/01/96			10/01/96			10/01/96			12/05/95			12/06/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Total Organic Carbon (TOC)	mg/kg	---			---			---			---			47300	69.3		119000	84.9	
pH	S.U.	---			---			---			---			5.3	0.1		4.8	0.1	
Aluminum, total	mg/kg	9810	1.6	J	10200	1.6	J	8530	1.6	J	2760	1.6	J	12900	2.79		6970	3.63	
Antimony, total	mg/kg	ND	0.87	UJ	ND	0.79	UJ	ND	0.61	UJ	ND	0.66	UJ	ND	0.76	UJ	ND	0.99	UJ
Arsenic, total	mg/kg	9.3	0.4		8.7	0.4		ND	4.6	UJ	ND	3	UJ	8.2	0.51		ND	7.6	U
Barium, total	mg/kg	68.8	0.4	J	73.2	0.4	J	24.1	0.4	J	20.0	0.4	J	25.3	0.25	J	34.5	0.33	J
Beryllium, total	mg/kg	3.0	0.04		3.2	0.04		2.5	0.04		1.0	0.04	J	1.2	0.02	J	0.55	0.02	J
Cadmium, total	mg/kg	ND	0.09	UJ	ND	0.08	UJ	ND	0.06	UJ	ND	0.07	UJ	ND	0.05	U	0.27	0.07	J
Calcium, total	mg/kg	1960	0.8		2000	0.8		252	0.8	J	593	0.8	J	315	14.5	J	376	18.8	J
Chromium, total	mg/kg	8.1	0.06	J	10.0	0.06	J	2.9	0.06	J	2.0	0.06	J	8.7	0.05	J	9.2	0.07	J
Cobalt, total	mg/kg	5.7	0.06	J	6.0	0.06	J	3.2	0.06	J	2.0	0.06	J	3.6	0.08	J	3.3	0.1	J
Copper, total	mg/kg	20.5	0.2		16.7	0.2		8.8	0.2		ND	5.8	U	7.0	0.13	J	16.4	0.17	J
Iron, total	mg/kg	22000	1.0		21600	1.0		11300	1.0		6980	1.0		15100	0.38		10800	0.5	
Lead, total	mg/kg	51.5	0.2	J	56.1	0.2	J	24.7	0.2	J	16.6	0.2	J	58.5	0.2		144	0.26	
Magnesium, total	mg/kg	1530	1.0	J	1550	1.0	J	313	1.0	J	356	1.0	J	654	1.4	J	508	1.82	J
Manganese, total	mg/kg	607	0.06	J	588	0.06	J	254	0.06	J	188	0.06	J	82.1	0.05	J	85.0	0.07	J
Mercury, total	mg/kg	ND	0.07	U	ND	0.06	U	ND	0.05	U	ND	0.06	U	ND	0.22	U	ND	0.28	U
Nickel, total	mg/kg	6.4	0.2	J	6.4	0.2	J	4.0	0.2	J	8.6	0.2	J	ND	4.1	U	ND	8.4	U
Potassium, total	mg/kg	2140	100		2210	100		388	100	J	568	100	J	549	70.6	J	549	91.8	J
Selenium, total	mg/kg	ND	1.4	UJ	ND	1.3	UJ	ND	1.0	UJ	ND	1.1	UJ	ND	1.0	UJ	ND	1.3	UJ
Silver, total	mg/kg	ND	0.58	U	ND	0.53	U	ND	0.41	U	ND	0.44	U	ND	0.23	UJ	ND	0.3	UJ
Sodium, total	mg/kg	808	18	J	760	18	J	ND	238	U	ND	173	U	ND	44.7	U	ND	58.1	U
Thallium, total	mg/kg	ND	0.87	UJ	ND	0.79	UJ	ND	0.61	UJ	ND	0.66	UJ	ND	1.8	U	ND	2.3	U
Vanadium, total	mg/kg	19.5	0.1	J	18.8	0.1	J	10.3	0.1	J	4.0	0.1	J	30.5	0.05		38.9	0.07	
Zinc, total	mg/kg	190	0.2	J	193	0.2	J	102	0.2	J	72.8	0.2	J	75.7	0.25	J	53.5	0.33	J
Cyanide, total	mg/kg	ND	1.4	U	ND	1.5	U	ND	1.2	U	ND	1.2	U	2.5	2.0	J	ND	3.3	UJ
Dilution Factor	---	1			1			1			1			1			1		
Percent Solids	%	69.0			68.0			83.0			84.0			72.1			58.9		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-7

OU2 RI/FS - WET CHEMISTRY AND CLP INORGANIC RESULTS

Surficial Soil Samples

Central Landfill - Johnston, Rhode Island

LOCATION ID		SS95-12			SS95-13			EQUIPBLK		
AOC ID:		BKGND			BKGND			QAQC		
SAMPLE ID:		SS12120696			SS13120695			EBSS120595		
SAMPLE DATE:		12/06/95			12/06/95			12/05/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Total Organic Carbon (TOC)	mg/kg	51800	69.7		40100	81.7		1.4	1.0	
pH	S.U.	4.9	0.1		5.0	0.1		4.3	0.1	
Aluminum, total	mg/kg	15300	3.0		7130	3.1		0.0235	0.011	J
Antimony, total	mg/kg	ND	0.82	UJ	ND	0.86	UJ	ND	0.0015	UJ
Arsenic, total	mg/kg	9.6	0.54		ND	5.6	U	0.0025	0.002	J
Barium, total	mg/kg	37.8	0.27	J	26.1	0.29	J	ND	0.001	U
Beryllium, total	mg/kg	3.5	0.02	J	4.8	0.02	J	ND	0.00004	U
Cadmium, total	mg/kg	ND	0.11	U	0.26	0.06	J	ND	0.0002	U
Calcium, total	mg/kg	349	15.5	J	513	16.3	J	ND	0.057	U
Chromium, total	mg/kg	8.3	0.05	J	5.3	0.06	J	0.0016	0.0002	J
Cobalt, total	mg/kg	5.0	0.08	J	2.8	0.09	J	ND	0.0003	U
Copper, total	mg/kg	7.1	0.14	J	4.4	0.14	J	0.0018	0.0005	J
Iron, total	mg/kg	18600	0.41		10500	0.43		0.0561	0.0015	
Lead, total	mg/kg	63.9	0.22		47.0	0.23		ND	0.0008	U
Magnesium, total	mg/kg	956	1.5	J	626	1.57	J	0.008	0.0055	J
Manganese, total	mg/kg	215	0.05	J	85.7	0.06	J	0.0010	0.0002	J
Mercury, total	mg/kg	ND	0.17	U	ND	0.42	U	0.00033	0.0001	
Nickel, total	mg/kg	ND	4.1	U	ND	3.1	U	0.0056	0.0005	J
Potassium, total	mg/kg	907	75.7	J	555	79.4	J	ND	0.278	U
Selenium, total	mg/kg	ND	1.1	UJ	ND	1.1	UJ	ND	0.002	UJ
Silver, total	mg/kg	ND	0.25	UJ	ND	0.26	UJ	0.0015	0.0005	J
Sodium, total	mg/kg	ND	47.9	U	ND	50.2	U	0.213	0.088	J
Thallium, total	mg/kg	ND	1.9	U	ND	2.0	U	ND	0.0035	U
Vanadium, total	mg/kg	30	0.05		18.7	0.06		ND	0.0002	U
Zinc, total	mg/kg	85.9	0.27	J	85.2	0.29	J	0.0017	0.001	J
Cyanide, total	mg/kg	ND	2.7	UJ	ND	2.9	UJ	ND	0.005	UJ
Dilution Factor	---	1			1			1		
Percent Solids	%	71.7			61.2			0		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS

Groundwater Samples

Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW-J			WE87-4			WE87-8		
AOC ID:		OU1			OU1			BKGND		
SAMPLE ID:		MWJ010496			WE4010396			WE8020996		
SAMPLE DATE:		01/04/96			01/03/96			02/09/96		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	5	U	ND	1	U	ND	1	U
Bromomethane	ug/l	ND	5	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	51	5		ND	1	U	ND	1	U
Chloroethane	ug/l	4	5	J	2	1		ND	1	U
Methylene Chloride	ug/l	ND	10	U	ND	2	U	ND	2	U
Acetone	ug/l	620	5		ND	1	U	ND	5	UR
Carbon Disulfide	ug/l	ND	5	U	1	1		6	1	
1,1-Dichloroethene	ug/l	4	5	J	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	140	5	J	6	1		ND	1	U
cis-1,2-Dichloroethene	ug/l	72	5		ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	5	U	ND	1	U	ND	1	U
Chloroform	ug/l	16	5		ND	1	U	ND	1	U
1,2-Dichloroethane	ug/l	ND	5	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	1000	25	J	ND	5	U	ND	5	UR
Bromochloromethane	ug/l	ND	5	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	130	5	J	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	5	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	5	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	5	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	5	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	12	5		ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	5	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	14	5		ND	1	U	ND	1	U
Benzene	ug/l	160	5		2	1		ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	5	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	5	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	750	25	J	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	25	UJ	ND	5	U	ND	5	U
Tetrachloroethene	ug/l	6	5	J	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	5	UJ	ND	1	U	ND	1	U
Toluene	ug/l	2300	5	J	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	5	UJ	ND	1	U	ND	1	U
Chlorobenzene	ug/l	28000	5	J	150	1		ND	1	U
Ethylbenzene	ug/l	2000	5	J	ND	1	U	ND	1	U
Styrene	ug/l	ND	5	UJ	ND	1	U	ND	1	U
Xylenes	ug/l	2000	5	J	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	130	5	J	1	1		ND	1	U
1,4-Dichlorobenzene	ug/l	820	5	J	10	1		ND	1	U
1,2-Dichlorobenzene	ug/l	13000	5	J	49	1		ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	ND	5	UR	ND	1	UR	ND	1	UR
Total Volatile Organics	ug/l	51229			221			6		
V TICs Concentration	ug/l	105		J	2		J	0		
V TICs Number	#	5		J	1		J	0		
V Dilution Factor	---	2			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Groundwater Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		WE85-16			WE87-17			WE85-18		
AOC ID:		BKGND			BKGND			BKGND		
SAMPLE ID:		WE16020996			WE17010596			WE18020996		
SAMPLE DATE:		02/09/96			01/05/96			02/09/96		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	U
Acetone	ug/l	ND	5	UJ	ND	1	U	**ND**	**5**	**UR**
Carbon Disulfide	ug/l	ND	1	U	**2**	**1**		ND	1	U
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroform	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	**ND**	**5**	**UR**	ND	5	U	**ND**	**5**	**UR**
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Benzene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	5	U	ND	5	U	ND	5	U
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	**ND**	**1**	**UR**	**ND**	**1**	**UR**	**ND**	**1**	**UR**
Total Volatile Organics	ug/l	0			2			0		
V TICs Concentration	ug/l	0			0			0		
V TICs Number	#	0			0			0		
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS

Groundwater Samples

Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW95-47			MW95-47			MW95-47S		
AOC ID:		OU2			OU2			OU2		
SAMPLE ID:		MW47122195			MW47092596			MW47S122195		
SAMPLE DATE:		12/21/95			09/25/96			12/21/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	U
Acetone	ug/l	ND	1	U	**ND**	**5**	**UR**	ND	5	U
Carbon Disulfide	ug/l	ND	2	U	ND	1	U	ND	1	U
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U	**0.5**	**1**	**J**
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroform	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	ND	5	U	**ND**	**5**	**UR**	ND	5	U
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Benzene	ug/l	**0.8**	**1**	**J**	ND	1	U	**2**	**1**	
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	5	U	ND	5	U	ND	5	U
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	ug/l	**14.0**	**1**		**0.5**	**1**	**J**	**16**	**1**	
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	ND	1	U	**ND**	**1**	**UR**	ND	1	U
Total Volatile Organics	ug/l	14.8			0.5			18.5		
V TICs Concentration	ug/l	0			0			0		
V TICs Number	#	0			0			0		
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS

Groundwater Samples

Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW95-47S			MW95-48			MW95-48		
AOC ID:		OU2			OU2			OU2		
SAMPLE ID:		MW47S092596			MW48010596			MW48092696		
SAMPLE DATE:		09/25/96			01/05/96			09/26/96		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	1	1		0.8	1	J
Chloroethane	ug/l	ND	2	U	ND	1	U	ND	1	U
Methylene Chloride	ug/l	ND	5	U	ND	2	U	ND	2	U
Acetone	ug/l	ND	1	UR	ND	1	U	ND	5	UR
Carbon Disulfide	ug/l	ND	1	U	2	1		ND	1	U
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	ND	1	U	2	1		2	1	
cis-1,2-Dichloroethene	ug/l	ND	1	U	4	1		4	1	
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroform	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloroethane	ug/l	ND	5	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	ND	1	UR	ND	5	U	ND	5	UR
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	ND	1	U	4	1		6	1	
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Benzene	ug/l	4	1		0.5	1	J	ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	5	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	1	U	ND	5	U	ND	5	U
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	ug/l	22	1		12	1		11	1	
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	2	1	
1,2-Dibromo-3-chloropropane	ug/l	ND	1	UR	ND	1	UR	ND	1	UR
Total Volatile Organics	ug/l	26			25.5			25.8		
V TICs Concentration	ug/l	2		J	0			0		
V TICs Number	#	1			0			0		
V Dilution Factor	---	1.0			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Groundwater Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW95-48S			MW95-48S			MW95-48S		
AOC ID:		OU2			OU2			OU2		
SAMPLE ID:		MW48S010596			MW48S092696			MW54092696BD		
SAMPLE DATE:		01/05/96			09/26/96			09/26/96		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
Bromomethane	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
Vinyl Chloride	ug/l	4	1		0.8	1	J	0.9	1	J
Chloroethane	ug/l	0.6	1	J	0.6	1	J	0.6	1	J
Methylene Chloride	ug/l	ND	2	U	ND	2	UJ	ND	2	UJ
Acetone	ug/l	ND	1	U	ND	5	UR	ND	5	UR
Carbon Disulfide	ug/l	0.7	1	J	ND	1	UJ	ND	1	UJ
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
1,1-Dichloroethane	ug/l	1	1		0.8	1	J	0.8	1	J
cis-1,2-Dichloroethene	ug/l	5	1		0.9	1	J	0.9	1	J
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
Chloroform	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	UJ	0.6	1	J
Methyl ethyl Ketone	ug/l	ND	5	U	ND	5	UR	ND	5	UR
Bromochloromethane	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
Bromodichloromethane	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
Trichloroethene	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
Dibromochloromethane	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
Benzene	ug/l	12	1		11	1	J	11	1	J
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
Bromoform	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	UJ	ND	5	UJ
2-Hexanone	ug/l	ND	5	U	ND	5	UJ	ND	5	UJ
Tetrachloroethene	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
Toluene	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
Chlorobenzene	ug/l	150	1	E	79	1	J	93	1	J
Ethylbenzene	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
Styrene	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
Xylenes	ug/l	1	1		0.6	1	J	0.6	1	J
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	UJ	ND	1	UJ
1,4-Dichlorobenzene	ug/l	4	1		4	1	J	4	1	J
1,2-Dichlorobenzene	ug/l	ND	2	U	2	1	J	2	1	J
1,2-Dibromo-3-chloropropane	ug/l	ND	1	UR	ND	1	UR	ND	1	UR
Total Volatile Organics	ug/l	178			99.7			114.4		
V TICs Concentration	ug/l	17		J	12		J	17		J
V TICs Number	#	4		J	4			5		
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Groundwater Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW95-49			MW95-49			MW95-49		
AOC ID:		OU2			OU2			OU2		
SAMPLE ID:		MW49010496			MW55010496BD			MW49092696		
SAMPLE DATE:		01/04/96			01/04/96			09/26/96		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	U
Acetone	ug/l	ND	1	U	ND	1	U	**ND**	**5**	**UR**
Carbon Disulfide	ug/l	ND	1	U	1	1		ND	1	U
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroform	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	ND	5	U	ND	5	U	**ND**	**5**	**UR**
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Benzene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	5	U	ND	5	U	ND	5	U
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichlorobenzene	ug/l	**0.8**	**1**	**J**	ND	1	U	ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	**ND**	**1**	**UR**	**ND**	**1**	**UR**	**ND**	**1**	**UR**
Total Volatile Organics	ug/l	0.8			1			0		
V TICs Concentration	ug/l	0			0			0		
V TICs Number	#	0			0			0		
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Groundwater Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW95-50			MW95-50			MW95-51		
AOC ID:		OU2			OU2			OU2		
SAMPLE ID:		MW50010496			MW50092596			MW51010296		
SAMPLE DATE:		01/04/96			09/25/96			01/02/96		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroethane	ug/l	1	1		1	1		ND	1	U
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	U
Acetone	ug/l	ND	1	U	ND	5	UR	ND	1	U
Carbon Disulfide	ug/l	1	1		ND	1	U	ND	1	U
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	3	1		3	1		ND	1	U
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroform	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	ND	5	U	ND	5	UR	ND	5	U
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Benzene	ug/l	2	1		1	1		ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	5	U	ND	5	U	ND	5	U
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	ug/l	10	1		12	1		ND	1	U
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	0.9	1	J	2	1		ND	1	U
1,2-Dichlorobenzene	ug/l	1	1		1	1		ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	ND	1	UR	ND	1	UR	ND	1	UR
Total Volatile Organics	ug/l	18.9			20			0		
V TICs Concentration	ug/l	2		J	0			0		
V TICs Number	#	1		J	0			0		
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Groundwater Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW95-51			MW95-52			MW95-52		
AOC ID:		OU2			OU2			OU2		
SAMPLE ID:		MW51111196			MW52010296			MW52111196		
SAMPLE DATE:		11/11/96			01/02/96			11/11/96		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Chloroethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	UJ
Acetone	ug/l	ND	5	U	ND	1	U	ND	5	UJ
Carbon Disulfide	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Chloroform	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Methyl ethyl Ketone	ug/l	**ND**	**5**	**UR**	ND	5	U	**ND**	**5**	**UR**
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Trichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Benzene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	UJ
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	UJ
2-Hexanone	ug/l	ND	5	U	ND	5	U	ND	5	UJ
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Chlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,4-Dichlorobenzene	ug/l	ND	1	U	**0.6**	**1**	**J**	**0.9**	**1**	**J**
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,2-Dibromo-3-chloropropane	ug/l	**ND**	**1**	**UR**	**ND**	**1**	**UR**	**ND**	**1**	**UR**
Total Volatile Organics	ug/l	0			0.6			0.9		
V TICs Concentration	ug/l	0			0			0		
V TICs Number	#	0			0			0		
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Groundwater Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW95-53			MW95-53			MW95-53		
AOC ID:		OU2			OU2			OU2		
SAMPLE ID:		MW53020896			MW56020896BD			MW53092596		
SAMPLE DATE:		02/08/96			02/08/96			09/25/96		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Chloroethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	UJ
Acetone	ug/l	**ND**	**5**	**UR**	**ND**	**5**	**UR**	**ND**	**5**	**UR**
Carbon Disulfide	ug/l	ND	1	U	**0.5**	**1.0**	**J**	ND	1	UJ
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Chloroform	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Methyl ethyl Ketone	ug/l	**ND**	**5**	**UR**	**ND**	**5**	**UR**	**ND**	**5**	**UR**
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Trichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Benzene	ug/l	**6**	**1**		**5**	**1**		**0.8**	**1**	**J**
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	UJ
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	UJ
2-Hexanone	ug/l	ND	5	U	ND	5	U	ND	5	UJ
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Chlorobenzene	ug/l	**29**	**1**		**28**	**1**		**4**	**1**	**J**
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,4-Dichlorobenzene	ug/l	**0.8**	**1**	**J**	**0.8**	**1**	**J**	ND	1	UJ
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	UJ
1,2-Dibromo-3-chloropropane	ug/l	**ND**	**1**	**UR**	**ND**	**1**	**UR**	**ND**	**1**	**UR**
Total Volatile Organics	ug/l	35.8			34.3			4.8		
V TICs Concentration	ug/l	9		J	7		J	0		
V TICs Number	#	4		J	3		J	0		
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Groundwater Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW95-ML9A			MW95-ML9A			MW95-ML9B		
AOC ID:		OU2			OU2			OU2		
SAMPLE ID:		ML9A122195			ML9A110896			ML9B122195		
SAMPLE DATE:		12/21/95			11/08/96			12/21/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	U
Acetone	ug/l	ND	1	U	ND	5	U	ND	1	U
Carbon Disulfide	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroform	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	ND	5	U	ND	5	UR	ND	5	U
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Benzene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	5	U	ND	5	U	ND	5	U
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	ND	1	U	ND	1	UR	ND	1	U
Total Volatile Organics	ug/l	0			0			0		
V TICs Concentration	ug/l	0			0			0		
V TICs Number	#	0			0			0		
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Groundwater Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW95-ML9B			MW95-ML9B			MW95-ML9C		
AOC ID:		OU2			OU2			OU2		
SAMPLE ID:		MW54122195BD			ML9B110896			ML9C122195		
SAMPLE DATE:		12/21/95			11/08/96			12/21/95		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	U
Acetone	ug/l	ND	5	U	ND	5	U	ND	21	U
Carbon Disulfide	ug/l	ND	1	U	ND	1	U	ND	2	U
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroform	ug/l	ND	1	U	ND	1	U	5	1	
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	ND	5	U	**ND**	**5**	**UR**	**2**	**5**	**J**
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Benzene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	5	U	ND	5	U	3	5	J
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	ND	1	U	**ND**	**1**	**UR**	ND	1	U
Total Volatile Organics	ug/l	0			0			10		
V TICs Concentration	ug/l	0			0			46		J
V TICs Number	#	0			0			2		J
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Groundwater Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW95-ML9C			MW95-ML9C			MW95ML9C		
AOC ID:		OU2			OU2			OU2		
SAMPLE ID:		ML9C110896			MW54110896BD			ML9C031297		
SAMPLE DATE:		11/08/96			11/08/96			03/12/97		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	0.6	1	J	ND	1	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	U
Acetone	ug/l	ND	5	U	ND	5	U	ND	5	U
Carbon Disulfide	ug/l	2	1		2	1		0.9	1	J
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroform	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	ND	5	UR	ND	5	UR	ND	5	U
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Benzene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	5	U	ND	5	U	ND	5	U
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	ND	1	UR	ND	1	UR	ND	1	UR
Total Volatile Organics	ug/l	2.6			2			0.9		
V TICs Concentration	ug/l	0			0			0		
V TICs Number	#	0			0			0		
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Groundwater Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW9754			MW9754			MW9754		
AOC ID:		OU2			OU2			OU2		
SAMPLE ID:		MW54031297			MW55031297BD			MW54042397		
SAMPLE DATE:		03/12/97			03/12/97			04/23/97		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	1	1		ND	1	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	U
Acetone	ug/l	ND	5	U	ND	5	U	ND	5	U
Carbon Disulfide	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroform	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	ND	5	U	ND	5	U	ND	5	U
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Benzene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	5	U	ND	5	U	ND	5	U
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	ND	1	UR	ND	1	UR	ND	1	UR
Total Volatile Organics	ug/l	2			0			0		
V TICs Concentration	ug/l	0			0			0		
V TICs Number	#	0			0			0		
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Groundwater Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW97ML10A			MW97ML10A			MW97-ML10A		
AOC ID:		OU2			OU2			OU2		
SAMPLE ID:		ML10A031397			ML10A042397			MW55042397BD		
SAMPLE DATE:		03/13/97			04/23/97			04/23/97		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	2	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	U
Acetone	ug/l	ND	5	U	ND	5	U	ND	5	U
Carbon Disulfide	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroform	ug/l	5	1		ND	1	U	ND	1	U
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	ND	5	U	ND	5	U	ND	5	U
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Benzene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	5	U	ND	5	U	ND	5	U
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	ND	1	UR	ND	1	UR	ND	1	UR
Total Volatile Organics	ug/l	5			0			0		
V TICs Concentration	ug/l	0			0			0		
V TICs Number	#	0			0			0		
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Groundwater Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		MW97ML10B			MW97ML10B			RW31002		
AOC ID:		OU2			OU2			RES		
SAMPLE ID:		ML10B031797			ML10B042397			RW31002020996		
SAMPLE DATE:		03/17/97			04/23/97			02/09/96		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	U
Acetone	ug/l	ND	5	U	ND	5	U	ND	31	UJ
Carbon Disulfide	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroform	ug/l	0.9	1	J	ND	1	U	ND	1	U
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	ND	5	U	ND	5	U	ND	5	UR
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	0.7	1	J	ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Benzene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	5	U	ND	5	U	ND	5	U
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U	8	1	
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	ND	1	UR	ND	1	UR	ND	1	UR
Total Volatile Organics	ug/l	1.6			0			8		
V TICs Concentration	ug/l	0			0			38		J
V TICs Number	#	0			0			8		J
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS

Groundwater Samples

Central Landfill - Johnston, Rhode Island

LOCATION ID:		RW31004			RW31014			RW31017		
AOC ID:		RES			RES			RES		
SAMPLE ID:		RW004031397			RW31014020696			RW31017020696		
SAMPLE DATE:		03/13/97			02/06/96			02/06/96		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	U
Acetone	ug/l	ND	5	U	**ND**	**5**	**UR**	**ND**	**5**	**UR**
Carbon Disulfide	ug/l	ND	1	U	**1**	**1**		ND	1	U
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroform	ug/l	ND	1	U	ND	1	U	**3**	**1**	
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	ND	5	U	**ND**	**5**	**UR**	**ND**	**5**	**UR**
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	**7**	**1**	
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Benzene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	5	U	ND	5	U	ND	5	U
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	**ND**	**1**	**UR**	**ND**	**1**	**UR**	**ND**	**1**	**UR**
Total Volatile Organics	ug/l	0			1			10		
V TICs Concentration	ug/l	0			0			0		
V TICs Number	#	0			0			0		
V Dilution Factor	---	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS

Groundwater Samples

Central Landfill - Johnston, Rhode Island

LOCATION ID:		RW43007			RW43036			RW43070		
AOC ID:		RES			RES			RES		
SAMPLE ID:		RW007031497			RW43036020896			RW43070T020796		
SAMPLE DATE:		03/14/97			02/08/96			02/07/96		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroethane	ug/l	ND	1	U	0.9	1	J	ND	1	U
Methylene Chloride	ug/l	ND	2	U	ND	2	U	ND	2	U
Acetone	ug/l	ND	5	U	ND	5	UR	ND	9	UJ
Carbon Disulfide	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Chloroform	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	ND	5	U	ND	5	UR	ND	5	UR
Bromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Benzene	ug/l	ND	1	U	11	1		ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U	ND	1	U
Bromoform	ug/l	ND	1	U	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	5	U	ND	5	U	ND	5	U
Tetrachloroethene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Ethylbenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	ND	1	UR	ND	1	UR	ND	1	UR
Total Volatile Organics	ug/l	0			11.9			0		
V TICs Concentration	ug/l	0			10		J	0		
V TICs Number	#	0			3		J	0		
V Dilution Factor	--	1			1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes

TABLE 6-8

OU2 RI/FS - CLP VOLATILE ORGANIC RESULTS
Groundwater Samples
Central Landfill - Johnston, Rhode Island

LOCATION ID:		RW43167			RW43244T		
AOC ID:		RES			RES		
SAMPLE ID:		RW167031197			GW43244T		
SAMPLE DATE:		03/11/97			02/05/96		
PARAMETERS	UNITS	RESULTS	SQL	Q	RESULTS	SQL	Q
Chloromethane	ug/l	ND	1	U	ND	1	U
Bromomethane	ug/l	ND	1	U	ND	1	U
Vinyl Chloride	ug/l	ND	1	U	ND	1	U
Chloroethane	ug/l	ND	1	U	ND	1	U
Methylene Chloride	ug/l	ND	2	U	ND	2	U
Acetone	ug/l	ND	5	U	ND	5	UR
Carbon Disulfide	ug/l	ND	1	U	ND	1	U
1,1-Dichloroethene	ug/l	ND	1	U	ND	1	U
1,1-Dichloroethane	ug/l	ND	1	U	ND	1	U
cis-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	ug/l	ND	1	U	ND	1	U
Chloroform	ug/l	ND	1	U	ND	1	U
1,2-Dichloroethane	ug/l	ND	1	U	ND	1	U
Methyl ethyl Ketone	ug/l	ND	5	UJ	ND	5	UR
Bromochloromethane	ug/l	ND	1	U	ND	1	U
1,1,1-Trichloroethane	ug/l	ND	1	U	ND	1	U
Carbon Tetrachloride	ug/l	ND	1	U	ND	1	U
Bromodichloromethane	ug/l	ND	1	U	ND	1	U
1,2-Dichloropropane	ug/l	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U
Trichloroethene	ug/l	ND	1	U	ND	1	U
Dibromochloromethane	ug/l	ND	1	U	ND	1	U
1,1,2-Trichloroethane	ug/l	ND	1	U	ND	1	U
Benzene	ug/l	ND	1	U	ND	1	U
trans-1,3-Dichloropropene	ug/l	ND	1	U	ND	1	U
Bromoform	ug/l	ND	1	U	ND	1	U
4-Methyl-2-Pentanone	ug/l	ND	5	U	ND	5	U
2-Hexanone	ug/l	ND	5	UJ	ND	5	U
Tetrachloroethene	ug/l	ND	1	U	ND	1	U
1,1,2,2-Tetrachloroethane	ug/l	ND	1	U	ND	1	U
Toluene	ug/l	ND	1	U	ND	1	U
1,2-Dibromoethane	ug/l	ND	1	U	ND	1	U
Chlorobenzene	ug/l	ND	1	U	ND	1	U
Ethylbenzene	ug/l	ND	1	U	ND	1	U
Styrene	ug/l	ND	1	U	ND	1	U
Xylenes	ug/l	ND	1	U	ND	1	U
1,3-Dichlorobenzene	ug/l	ND	1	U	ND	1	U
1,4-Dichlorobenzene	ug/l	ND	1	U	ND	1	U
1,2-Dichlorobenzene	ug/l	ND	1	U	ND	1	U
1,2-Dibromo-3-chloropropane	ug/l	ND	1	UR	ND	1	UR
Total Volatile Organics	ug/l	0			0		
V TICs Concentration	ug/l	0			0		
V TICs Number	#	0			0		
V Dilution Factor	---	1			1		

Notes:

See **Table 6-26** for Analytical Sampling Notes