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INSTALLATION RESTORATION PROGRAM
PHASE II - CONFIRMATION/QUANTIFICATION
STAGE 2

VOLUME 3 OF 4

for
Seymour Johnson Air Force Base, NC

by
Research Triangle Institute
Center for Environmental Measurements
P. O. Box 12194
Research Triangle Park, NC 27709

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FINAL REPORT

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APPENDICES

	<u>Page</u>
K Inorganic Results - Site 1 (Fire Training Area No. 3)	K-1
K-1 Lead (Water)	K-2
L Organic Results - Site 1 (Fire Training Area No. 3)	L-1
L-1 Aromatic Volatile Organics (Water)	L-2
L-2 Halogenated Volatile Organics (Water)	L-4
L-3 Petroleum Hydrocarbons (Water)	L-6
M Inorganic Results - Site 2 (Landfill No. 4)	M-1
M-1 Anions (Water)	M-2
M-2 Thirteen Priority Pollutant Metals (Water)	M-7
M-3 Total Dissolved Solids (Water)	M-10
M-4 Anions (Surface Water)	M-12
M-5 Thirteen Priority Pollutant Metals (Sediment)	M-14
M-6 Thirteen Priority Pollutant Metals (Surface Water)	M-16
M-7 Total Dissolved Solids (Surface Water)	M-18
N Organic Results - Site 2 (Landfill No. 4)	N-1
N-1 Acid Extractables (Water)	N-2
N-2 Aromatic Volatile Organics (Water)	N-9
N-3 Non-Halogenated Volatile Organics (Water)	N-14
[NOT REQUIRED]	
N-4 Base/Neutral Extractables (Water)	N-15
N-5 Halogenated Volatile Organics (Water)	N-27
N-6 PCBs and Pesticides (Water)	N-33
N-7 Petroleum Hydrocarbons (Water)	N-40
N-8 Acid Extractables (Sediment)	N-44
N-9 Aromatic Volatile Organics (Sediment)	N-46
N-10 Non-Halogenated Volatile Organics (Sediment)	N-48
N-11 Base/Neutral Extractables (Sediment)	N-50
N-12 Halogenated Volatile Organics (Sediment)	N-52
N-13 PCBs and Pesticides (Sediment)	N-54
N-14 Petroleum Hydrocarbons (Sediment)	N-56
N-15 Acid Extractables (Surface Water)	N-58
N-16 Aromatic Volatile Organics (Surface Water)	N-60
N-17 Non-Halogenated Volatile Organics (Surface Water)	N-62
[NOT REQUIRED]	
N-18 Base/Neutral Extractables (Surface Water)	N-63
N-19 Halogenated Volatile Organics (Surface Water)	N-65
N-20 PCBs and Pesticides (Surface Water)	N-67
N-21 Petroleum Hydrocarbons (Surface Water)	N-69

APPENDICES

	<u>Page</u>
K Inorganic Results - Site 1 (Fire Training Area No. 3)	K-1
K-1 Lead (Water)	K-2
L Organic Results - Site 1 (Fire Training Area No. 3)	L-1
L-1 Aromatic Volatile Organics (Water)	L-2
L-2 Halogenated Volatile Organics (Water).	L-4
L-3 Petroleum Hydrocarbons (Water)	L-6
M Inorganic Results - Site 2 (Landfill No. 4)	M-1
M-1 Anions (Water)	M-2
M-2 Thirteen Priority Pollutant Metals (Water)	M-7
M-3 Total Dissolved Solids (Water)	M-10
M-4 Anions (Surface Water)	M-12
M-5 Thirteen Priority Pollutant Metals (Sediment).	M-14
M-6 Thirteen Priority Pollutant Metals (Surface Water)	M-16
M-7 Total Dissolved Solids (Surface Water)	M-18
N Organic Results - Site 2 (Landfill No. 4)	N-1
N-1 Acid Extractables (Water).	N-2
N-2 Aromatic Volatile Organics (Water)	N-9
N-3 Non-Halogenated Volatile Organics (Water).	N-14
[NOT REQUIRED]	
N-4 Base/Neutral Extractables (Water).	N-15
N-5 Halogenated Volatile Organics (Water).	N-27
N-6 PCBs and Pesticides (Water).	N-33
N-7 Petroleum Hydrocarbons (Water)	N-40
N-8 Acid Extractables (Sediment)	N-44
N-9 Aromatic Volatile Organics (Sediment).	N-46
N-10 Non-Halogenated Volatile Organics (Sediment)	N-48
N-11 Base/Neutral Extractables (Sediment)	N-50
N-12 Halogenated Volatile Organics (Sediment)	N-52
N-13 PCBs and Pesticides (Sediment)	N-54
N-14 Petroleum Hydrocarbons (Sediment).	N-56
N-15 Acid Extractables (Surface Water).	N-58
N-16 Aromatic Volatile Organics (Surface Water)	N-60
N-17 Non-Halogenated Volatile Organics (Surface Water).	N-62
[NOT REQUIRED]	
N-18 Base/Neutral Extractables (Surface Water).	N-63
N-19 Halogenated Volatile Organics (Surface Water).	N-65
N-20 PCBs and Pesticides (Surface Water).	N-67
N-21 Petroleum Hydrocarbons (Surface Water)	N-69

APPENDICES (Cont'd)

	<u>Page</u>
T Organic Results - Site 5 (DPDO Waste Storage Area):	T-1
T-1 Acid Extractables (Water).	T-2
T-2 Aromatic Volatile Organics (Water)	T-4
T-3 Base/Neutral Extractables (Water).	T-6
T-4 Halogenated Volatile Organics (Water).	T-8
T-5 Non-Halogenated Volatile Organics (Water).	T-10
T-6 PCBs and Pesticides (Water).	T-12
T-7 Petroleum Hydrocarbons (Water)	T-14
T-8 Acid Extractables (Soil)	T-16
T-9 Aromatic Volatile Organics (Soil).	T-20
T-10 Halogenated Volatile Organics (Soil)	T-24
T-11 Base/Neutral Extractables (Soil)	T-28
T-12 Non-Halogenated Volatile Organics (Soil)	T-33
T-13 PCBs and Pesticides (Soil)	T-37
T-14 Petroleum Hydrocarbons (Soil).	T-41
T-15 Acid Extractables (Sediment)	T-43
T-16 Aromatic Volatile Organics (Sediment).	T-45
T Organic Results - Site 5 (DPDO Waste Storage Area) (Cont'd)	T-1
T-17 Base/Neutral Extractables (Sediment)	T-47
T-18 Halogenated Volatile Organics (Sediment)	T-49
T-19 Non-Halogenated Volatile Organics (Sediment)	T-51
T-20 PCBs and Pesticides (Sediment)	T-53
T-21 Petroleum Hydrocarbons (Sediment).	T-55
T-22 Acid Extractables (Surface Water).	T-57
T-23 Aromatic Volatile Organics (Surface Water)	T-59
T-24 Base/Neutral Extractables (Surface Water).	T-61
T-25 Halogenated Volatile Organics (Surface Water).	T-63
T-26 Non-Halogenated Volatile Organics (Surface Water).	T-65
T-27 PCBs and Pesticides (Surface Water).	T-67
T-28 Petroleum Hydrocarbons (Surface Water)	T-69
U Inorganic Results - Site 6 (Coal Pile Storage Area)	U-1
U-1 Total Metals Screen (Soil).	U-2
V Glossary of Acronyms and Scientific Units	V-1
W References	W-1

APPENDIX K

INORGANIC RESULTS - SITE 1 (FIRE TRAINING AREA NO. 3)

Accession For	
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By _____	
Distribution/	
Availability Codes	
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<i>A-1</i>	



TABLE K-1

LEAD (WATER)

TABLE K-1. RESULTS OF WATER ANALYSES; FIRE TRAINING AREA NO. 3; p. 1 of 1

Lead (Water); Method E239.2; Concentrations in mg/L

Sampling Point:	MW-11	MW-01 ¹⁾	MW-40	MW-41	MW-42	MW-60
Date Sampled:	15 JAN 87	15 JAN 87	13 JAN 87	15 JAN 87	15 JAN 87	21 JAN 87
Date Analyzed:	12 FEB 87	12 FEB 87	12 FEB 87	12 FEB 87	12 FEB 87	12 FEB 87
Sticker No., ID:	325, J	427, K	392, J	327, J	329, J	455, O
Depth Interval (ft):	20	10	11.5	12	13	(Blank)
Compound	Detection Limit (mg/L)					
Lead	0.002					
	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Blind Duplicate of 325, J (MW-11)

APPENDIX L

ORGANIC RESULTS - SITE 1
(FIRE TRAINING AREA NO. 3)

TABLE L-1

AROMATIC VOLATILE ORGANICS (WATER)

TABLE L-1. RESULTS OF WATER ANALYSES; FIRE TRAINING AREA NO. 3; p. 1 of 1

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Sampling Point:		MW-11	MW-40	MW-41	MW-41	MW-41	MW-41	MW-42
Date Sampled:		7 JAN 87	7 JAN 87	7 JAN 87	7 JAN 87	25 FEB 87	25 FEB 87	8 JAN 87
Date Analyzed:		16 JAN 87	16 JAN 87	16 JAN 87	16 JAN 87	4 MAR 87	4 MAR 87	16 JAN 87
Stricker No., ID:		117, A1	80, A1	127, C	123, A2	579, A1	579, A1	129, A1
Depth Interval (ft):		20	15	2.5	12.5	12.5	12.5	13
Compound	Detection Limits (ug/L)							
Benzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	8.6	8.0	11.0	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	3.0	BDL	BDL
Ethylbenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	1.0	BDL	BDL	BDL	2.3	BDL	BDL	BDL
Xylene	1.0	---	BDL	---	---	BDL	BDL	---

BDL = Below Detection Limits

1) = Detection Limit 10 ug/mL for This Sample

2) = Resampled and analyzed compounds for which second column confirmation was omitted from 123, A2 (MW-41)

3) = Second Column Confirmation of 579, A1 (MW-41)

4) = Quantitated as Ethylbenzene

* = Invalid Data

TABLE L-2

HALOGENATED VOLATILE ORGANICS (WATER)

TABLE L-2. RESULTS OF WATER ANALYSES; FIRE TRAINING AREA NO. 3; p. 1 of 1

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Sampling Point:		MW-11	MW-40	MW-41 *	1) MW-41	2) MW-41	MW-42
Date Sampled:		7 JAN 87	7 JAN 87	7 JAN 87	25 FEB 87	25 FEB 87	8 JAN 87
Date Analyzed:		16 JAN 87	16 JAN 87	16 JAN 87	1 MAR 87	11 MAR 87	16 JAN 87
Sticker No., ID:		118, A2	81, A2	124, A2	579, A1	580, A2	130, A2
Depth Interval (ft):		20	15	12.5	12.5	12.5	13
Compound	Detection Limit (ug/L)						
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	8.6	23.0	13.0	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
2-Chloroethylvinyl Ether	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 124, A2 (MW-41)

2) = Second Column Confirmation of 579, A1 (MW-41)

* = Invalid Data

TABLE L-3

PETROLEUM HYDROCARBONS (WATER)

TABLE L-3. RESULTS OF WATER ANALYSES; FIRE TRAINING AREA NO. 3; p. 1 of 1

Petroleum Hydrocarbons (Water); Method E418.1; Concentrations in mg/L

Sampling Point:	MW-11	MW-40 *	MW-41 *	MW-42 *
Date Sampled:	12 JAN 87	9 JAN 87	7 JAN 87	8 JAN 87
Date Extracted:	13 JAN 87	13 JAN 87	13 JAN 87	13 JAN 87
Date Analyzed:	13 JAN 87	13 JAN 87	13 JAN 87	13 JAN 87
Sticker No., ID:	121, C	91, C	127, C	133, C
Depth Interval (ft):	20	15	12.5	13
Compound	Detection Limit (mg/L)			
Hydrocarbons	2.0	BDL	BDL	BDL

BDL = Below Detection Limit

* = Invalid Data

APPENDIX M

INORGANIC RESULTS - SITE 2

(LANDFILL NO. 4)

TABLE M-1

ANIONS (WATER)

TABLE M-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 4

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:		MW-13	2) MW-13	MW-14	1) MW-09	2) MW-14	2), 3) MW-09
Date Sampled:		21 JAN 87	22 APR 87	20 JAN 87	16 JAN 87	14 APR 87	14 APR 87
Date Analyzed:		3 FEB 87	23 APR 87	2 FEB 87	2 FEB 87	15 APR 87	15 APR 87
Sticker No., ID:		424, J	671, J	417, J	531, J	677, M	663, K
Depth Interval (ft):		22	21	11	11	14	14
Compound	Detection Limit (mg/L)						
Fluoride	0.01	BDL		0.012	0.018		
Chloride	0.01	14.747		3.687	3.979		
Nitrate	0.03	0.087*	BDL	0.137*	BDL*	BDL	BDL
Phosphate	0.60	BDL*	BDL	BDL*	BDL*	BDL	BDL
Bromide	0.05	0.550		BDL	BDL		
Nitrite	0.05	BDL*	BDL	BDL*	BDL*	BDL	BDL
Sulfate	0.05	6.775		11.872	13.031		

BDL = Below Detection Limits

1) = Blind Duplicate of 417, J (MW-14)

2) = Resampled and Analyzed for Anions that Exceeded Holding Times

3) = Blind Duplicate of 677, M (MW-14)

* = Invalid Data

TABLE M-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 2 of 4

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:		MW-43	1) MW-43	MW-44	1) MW-44	MW-45	1) MW-45
Date Sampled:		14 JAN 87	14 APR 87	16 JAN 87	16 APR 87	16 JAN 87	16 APR 87
Date Analyzed:		30 JAN 87	15 APR 87	2 FEB 87	17 APR 87	3 FEB 87	17 APR 87
Sticker No., ID:		395, J	683, K	338, J	687, K	355, E	691, K
Depth Interval (ft):		18	18	10	5.5	9	5.5
Compound	Detection Limit (mg/L)						
Fluoride	0.01	BDL		BDL		0.066	
Chloride	0.01	3.565		11.541		17.259	
Nitrate	0.03	7.241*	3.493	BDL*	BDL	0.134*	BDL
Phosphate	0.60	BDL*	BDL	BDL*	BDL	BDL*	BDL
Bromide	0.05	BDL		0.607		0.460	
Nitrite	0.05	BDL*	BDL	BDL*	BDL	BDL*	BDL
Sulfate	0.05	0.306		11.572		7.936	

BDL = Below Detection Limits

1) = Resampled and Analyzed for Anions that Exceeded Holding Times

* = Invalid Data

TABLE M-1 . RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 3 of 4

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:
 Date Sampled:
 Date Analyzed:
 Sticker No., ID:
 Depth Interval (ft):

Compound	Detection Limit (mg/L)	MW-46	MW-46 ¹⁾	MW-47	MW-47 ¹⁾	MW-48	MW-48 ¹⁾
		16 JAN 87 3 FEB 87 350, J 9	16 APR 87 17 APR 87 695, K 5	20 JAN 87 3 FEB 87 401, K 10	16 APR 87 17 APR 87 699, K 5.5	20 JAN 87 2 FEB 87 411, J 8	22 APR 87 23 APR 87 703, K 6
Fluoride	0.01	0.461		BDL		BDL	
Chloride	0.01	38.54		19.739		3.621	
Nitrate	0.03	BDL*	BDL	0.307*	BDL	0.512*	BDL
Phosphate	0.60	BDL*	BDL	BDL*	BDL	BDL*	BDL
Bromide	0.05	0.886		0.198		BDL	
Nitrite	0.05	BDL*	BDL	BDL*	BDL	BDL*	BDL
Sulfate	0.05	33.957		44.978		11.701	

BDL = Below Detection Limits

1) = Resampled and Analyzed for Anions that Exceeded Holding Times

* = Invalid Data

TABLE M-1 . RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 4 of 4

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:		MW-49	1) MW-49	1) MW-65	1) MW-65
Date Sampled:		20 JAN 87	22 APR 87	15 APR 87	22 APR 87
Date Analyzed:		3 FEB 87	23 APR 87	16 APR 87	23 APR 87
Sticker No., ID:		405, J	770, K	766, K	765, K
Depth Interval (ft):		8	6	(Blank)	(Blank)
Compound	Detection Limit (mg/L)				
Fluoride	0.01	BDL			
Chloride	0.01	15.848			
Nitrate	0.03	0.209*	BDL	BDL	BDL
Phosphate	0.60	BDL*	BDL	BDL	BDL
Bromide	0.05	0.143			
Nitrite	0.05	BDL*	BDL	BDL	BDL
Sulfate	0.05	48.252			

BDL = Below Detection Limits

1) = Resampled and Analyzed for Anions that Exceeded Holding Times

* = Invalid Data

TABLE M-2

13-PRIORITY POLLUTANT METALS (WATER)

TABLE M-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 2

Thirteen Priority Pollutant Metals (Water); Concentrations in mg/L

Sampling Point:			MW-13	MW-14	MW-43	MW-44	MW-45
Date Sampled:			21 JAN 87	20 JAN 87	14 JAN 87	16 JAN 87	16 JAN 87
Date Analyzed:			8 FEB 87	8 FEB 87	29 JAN 87	29 JAN 87	29 JAN 87
Sticker No., ID:			426, M	419, L	397, L	340, L	355, L
Depth Interval (ft):			22	11	18	10	9
Compound	Detection Limit (mg/L)	Methods					
Arsenic	0.002	E206.2	BDL	BDL	BDL	BDL	BDL
Antimony	0.009	E204.2	BDL	BDL	BDL	BDL	BDL
Beryllium	0.0012	E200.7	BDL	BDL	BDL	BDL	BDL
Cadmium	0.006	E200.7	BDL	BDL	BDL	BDL	BDL
Chromium	0.008	E200.7	BDL	BDL	BDL	BDL	BDL
Copper	0.014	E200.7	BDL	0.031	BDL	BDL	0.040
Lead	0.005	E200.7	0.070	BDL	BDL	BDL	BDL
Mercury	0.0002	E245.1	BDL	BDL	BDL	BDL	BDL
Nickel	0.004	E200.7	0.020	BDL	BDL	BDL	BDL
Selenium	0.004	E270.2	BDL	BDL	BDL	BDL	BDL
Silver	0.007	E200.7	0.025	BDL	BDL	BDL	0.134
Thallium	0.002	E200.7	BDL	BDL	BDL	BDL	BDL
Zinc	0.003	E200.7	BDL	0.010	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Blind Duplicate of 352, L (MW-46)

TABLE M-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 2 of 2

Thirteen Priority Pollutant Metals (Water); Concentrations mg/L

Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID: Depth Interval (ft):			MW-46 16 JAN 87 29 JAN 87 352, L 9	(1) MW-56 16 JAN 87 29 JAN 87 432, M 21	MW-47 20 JAN 87 29 JAN 87 403, L 10	MW-48 20 JAN 87 8 FEB 87 413, L 8	MW-49 20 JAN 87 8 FEB 87 407, L 8
Compound	Detection Limit (mg/L)	Methods					
Arsenic	0.002	E206.2	BDL	BDL	BDL	BDL	BDL
Antimony	0.009	E204.2	BDL	BDL	BDL	BDL	BDL
Beryllium	0.0012	E200.7	BDL	BDL	BDL	BDL	BDL
Cadmium	0.006	E200.7	BDL	BDL	BDL	BDL	BDL
Chromium	0.008	E200.7	BDL	BDL	BDL	BDL	BDL
Copper	0.014	E200.7	BDL	0.024	BDL	BDL	0.060
Lead	0.005	E200.7	BDL	BDL	BDL	0.109	0.068
Mercury	0.0002	E245.1	BDL	BDL	BDL	BDL	BDL
Nickel	0.004	E200.7	BDL	BDL	BDL	BDL	0.028
Selenium	0.004	E270.2	BDL	BDL	BDL	BDL	BDL
Silver	0.007	E200.7	BDL	BDL	BDL	0.062	BDL
Thallium	0.002	E200.7	BDL	BDL	BDL	BDL	BDL
Zinc	0.003	E200.7	BDL	BDL	BDL	0.013	0.014

BDL = Below Detection Limit

TABLE M-3

TOTAL DISSOLVED SOLIDS (WATER)

TABLE M-3. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 1

Total Dissolved Solids (Water); Method E160.1; Concentrations in mg/L

Sampling Point	Depth Interval (ft)	Sticker No., ID	Date Sampled	Date Analyzed	TDS (mg/L)
MW-43	18	0399, N	14 JAN 87	5 FEB 87	5*
MW-44	10	0342, N	16 JAN 87	5 FEB 87	50*
MW-45	9	0347, N	16 JAN 87	5 FEB 87	70*
MW-46	9	0354, N	16 JAN 87	5 FEB 87	30*
MW-47	10	0369, N	20 JAN 87	5 FEB 87	164*
MW-48	8	0415, N	20 JAN 87	5 FEB 87	106*
MW-49	9	0409, N	20 JAN 87	5 FEB 87	349*
MW-13	22	0429, N	21 JAN 87	5 FEB 87	193*
MW-14 1)	11	0421, N	20 JAN 87	5 FEB 87	63*
MW-60	10	0448, N	21 JAN 87	5 FEB 87	13*

1) = MW-60 is a Field Blank

Note: Detection limits for TDS = 5.0 mg/L

* = Invalid Data

TABLE M-4

ANIONS (SURFACE WATER)

TABLE M-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 1

Anions (Surface Water); Method 429A; Concentrations in mg/L

		Sampling Point: SW-10 Date Sampled: 21 JAN 87 Date Analyzed: 3 FEB 87 Sticker No., ID: 431, J SW-10¹⁾ 14 APR 87 15 APR 87 739, K SW-11 21 JAN 87 3 FEB 87 456, J SW-11¹⁾ 14 APR 87 15 APR 87 743, K			
Compound	Detection Limit (mg/L)				
Fluoride	0.01	0.208		0.056	
Chloride	0.01	16.192		8.150	
Nitrate	0.03	0.070*	0.217	BDL*	BDL
Phosphate	0.60	BDL*	BDL	BDL*	BDL
Bromide	0.05	0.173		BDL	
Nitrite	0.05	2.024*	BDL	4.322*	BDL
Sulfate	0.05	40.174		17.955	

BDL = Below Detection Limits

1) = Resampled and Analyzed for Anions that Exceeded Holding Times

* = Invalid Data

TABLE M-5

13-PRIORITY POLLUTANT METALS
(SEDIMENT)

TABLE M-5. RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4; p. 1 of 1

Thirteen Priority Pollutant Metals (Sediment); Concentrations in mg/Kg

			Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID:	
			SD-12 20 JAN 87 10 FEB 87 341, C	SD-13 20 JAN 87 10 FEB 87 358, C
Compound	Detection Limit (mg/Kg)	Methods		
Arsenic	0.13	SW7060	1.81	1.29
Antimony	0.9	SW7041	BDL	BDL
Beryllium	0.12	SW6010	0.199	0.298
Cadmium	0.34	SW6010	BDL	BDL
Chromium	0.8	SW6010	5.17	6.05
Copper	0.9	SW6010	BDL	6.35
Lead	3.5	SW6010	BDL	108
Mercury	0.1	SW7471	BDL	0.246
Nickel	1.0	SW6010	3.28	13.0
Selenium	0.22	SW7740	0.30	0.99
Silver	0.6	SW6010	BDL	BDL
Thallium	0.20	SW7841	BDL	BDL
Zinc	0.30	SW6010	11.0	104

BDL = Below Detection Limit

TABLE M-6

13-PRIORITY POLLUTANT METALS (SURFACE WATER)

TABLE M-6. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 1

Thirteen Priority Pollutant Metals (Surface Water); Concentrations in mg/L

Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID:			SW-10 21 JAN 87 2 FEB 87 434, J	SW-11 21 JAN 87 2 FEB 87 458, L
Compound	Detection Limit (mg/L)	Methods		
Arsenic	0.002	E206.2	BDL	BDL
Antimony	0.009	E204.2	BDL	BDL
Beryllium	0.0012	E200.7	BDL	BDL
Cadmium	0.006	E200.7	BDL	0.013
Chromium	0.008	E200.7	BDL	BDL
Copper	0.014	E200.7	BDL	BDL
Lead	0.005	E200.7	BDL	BDL
Mercury	0.0002	E245.1	1)	BDL
Nickel	0.004	E200.7	BDL	BDL
Selenium	0.004	E270.2	BDL	BDL
Silver	0.007	E200.7	BDL	BDL
Thallium	0.002	E200.7	BDL	BDL
Zinc	0.003	E200.7	0.029	0.024

BDL = Below Detection Limit

1) = Insufficient Volume for Analysis

TABLE M-7

TOTAL DISSOLVED SOLIDS (SURFACE WATER)

TABLE M-7. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 1

Total Dissolved Solids (Surface Water); Method E160.1; Concentrations in mg/ L

<u>Sampling Point</u>	<u>Sticker No., ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>TDS (mg/L)</u>
SW-10	436, N	21 JAN 87	5 FEB 87	134*
SW-11	460, N	21 JAN 87	5 FEB 87	79*

Note: Weight of sample 436, N May Be Erroneous; Some Drops of Suction Water Seeped into Flask During Analysis

* = Invalid Data

Note: Detection limits for TDS = + 5.0 mg/L

APPENDIX N

ORGANIC RESULTS - SITE 2

(LANDFILL NO. 4)

TABLE N-1

ACID EXTRACTABLES (WATER)

TABLE N-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 4, p. 1 of 6

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

		*	1)	2)	*	1)	2)
Sampling Point:		MW-13	MW-13	MW-13	MW-14	MW-14	MW-14
Date Sampled:		12 JAN 87	22 APR 87	22 APR 87	9 JAN 87	14 APR 87	14 APR 87
Date Extracted:		23 JAN 87	28 APR 87	28 APR 87	22 JAN 87	16 APR 87	16 APR 87
Date Analyzed:		28 JAN 87	29 MAY 87	29 MAY 87	28 JAN 87	15 MAY 8	18 MAY 87
Sticker No., ID:		247, A1	668, E1	669, E2	237, E2	672, E1	673, E2
Depth Interval (ft):		22	21	21	16	14	14
Compound	Detection Limits (ug/L)						
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 2 of 6

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

		*	1)	2)	3)*	4)	4)
Sampling Point:		MW-43	MW-43	MW-43	MW-04	MW-04	MW-04
Date Sampled:		7 JAN 87	14 APR 87	14 APR 87	8 JAN 87	14 APR 87	14 APR 87
Date Extracted:		16 JAN 87	15 APR 87	16 APR 87	17 JAN 87	15 APR 87	15 APR 87
Date Analyzed:		19 JAN 87	14 MAY 87	14 MAY 87	22 JAN 87	14 MAY 87	14 MAY 87
Sticker No., ID:		103, A1	680, E3	681, E4	227, E1	660, E1	661, E2
Depth Interval (ft):		21	18	18	10	10	10
Compound	Detection Limits (ug/L)						
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

3) = Blind Duplicate of 103, A1 (MW-43)

4) = Blind Duplicates of 680, E3 (MW-43) and 681, E4 (MW-43)

* = Invalid Data

TABLE N-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 3 of 6

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

		* MW-44		1) MW-44		2) MW-44		* MW-45		1) MW-45		2) MW-45	
Sampling Point:		8 JAN 87		14 APR 87		16 APR 87		8 JAN 87		16 APR 87		16 APR 87	
Date Sampled:		17 JAN 87		23 APR 87		23 APR 87		17 JAN 87		23 APR 87		23 APR 87	
Date Extracted:		22 JAN 87		20 MAY 87		19 MAY 87		20 JAN 87		18 MAY 87		18 MAY 87	
Date Analyzed:		151, A1		684, E1		685, E2		161, E1		688, E1		689, E2	
Sticker No., ID:		8		5.5		5.5		8		5.5		5.5	
Depth Interval (ft):													
Compound	Detection Limits (ug/L)												
4-Chloro-3-Methylphenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
2-Chlorophenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
2,4-Dichlorophenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
2,4-Dimethylphenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
2,4-Dinitrophenol	250	BDL		BDL		BDL		BDL		BDL		BDL	
2-Methyl-4,6-Dinitrophenol	250	BDL		BDL		BDL		BDL		BDL		BDL	
2-Nitrophenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
4-Nitrophenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
Pentachlorophenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
Phenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
2,4,6-Trichlorophenol	25	BDL		BDL		BDL		BDL		BDL		BDL	

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-1. RESULTS OF WATER ANALYSES; LANDFILL No. 4; p. 4 of 6

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

		*	1)	2)	*	1)	2)
Sampling Point:		MW-46	MW-46	MW-46	MW-47	MW-47	MW-47
Date Sampled:		8 JAN 87	16 APR 87	16 APR 87	9 JAN 87	16 APR 87	16 APR 87
Date Extracted:		17 JAN 87	23 APR 87	23 APR 87	22 JAN 87	23 APR 87	23 APR 87
Date Analyzed:		22 JAN 87	19 MAY 87	19 MAY 87	27 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		171, A1	692, E1	693, E2	204, A1	696, E1	697, E2
Depth Interval (ft):		8	5	5	10	5.5	5.5
Compound	Detection Limits (ug/L)						
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 5 of 6

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

		MW-48 *		MW-48 1)		MW-48 2)		MW-49 *		MW-49 1)		MW-49 2)	
Sampling Point:		MW-48		MW-48		MW-48		MW-49		MW-49		MW-49	
Date Sampled:		9 JAN 87		22 APR 87		22 APR 87		9 JAN 87		22 APR 87		22 APR 87	
Date Extracted:		22 JAN 87		28 APR 87		28 APR 87		22 JAN 87		28 APR 87		28 APR 87	
Date Analyzed:		28 JAN 87		28 MAY 87		29 MAY 87		27 JAN 87		29 MAY 87		29 MAY 87	
Sticker No., ID:		223, A1		700, E1		701, E2		214, A2		706, E3		707, E4	
Depth Interval (ft):		12		6		6		8.5		6		6	
Compound	Detection Limits (ug/L)												
4-Chloro-3-Methylphenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
2-Chlorophenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
2,4-Dichlorophenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
2,4-Dimethylphenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
2,4-Dinitrophenol	250	BDL		BDL		BDL		BDL		BDL		BDL	
2-Methyl-4,6-Dinitrophenol	250	BDL		BDL		BDL		BDL		BDL		BDL	
2-Nitrophenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
4-Nitrophenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
Pentachlorophenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
Phenol	25	BDL		BDL		BDL		BDL		BDL		BDL	
2,4,6-Trichlorophenol	25	BDL		BDL		BDL		BDL		BDL		BDL	

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 6 of 6

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

		1)*	2)*	3)*
Sampling Point:		MW-57	MW-57	MW-57
Date Sampled:		13 JAN 87	22 APR 87	22 APR 87
Date Extracted:		27 JAN 87	28 APR 87	28 APR 87
Date Analyzed:		30 JAN 87	29 MAY 87	29 MAY 87
Sticker No., ID:		318, E2	735, E1	771, E2
Depth Interval (ft):		10	6	6
Compound	Detection Limits (ug/L)			
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Blind Duplicate of 214, A2 (MW-49)

2) = Blind Duplicate of 706, E3 (MW-49)

3) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-2

AROMATIC VOLATILE ORGANICS (WATER)

TABLE N-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 4

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Sampling Point:		MW-13	MW-13	MW-13	MW-14	MW-57	MW-43
Date Sampled:		12 JAN 87	26 FEB 87	26 FEB 87	9 JAN 87	13 JAN 87	7 JAN 87
Date Analyzed:		23 JAN 87	2 MAR 87	2 MAR 87	20 JAN 87	20 JAN 87	16 JAN 87
Sticker No., ID:		240, A1	589, A1	589, A2	229, A1	315, A2	93, A1
Depth Interval (ft):		22	22	22	16	10	21
Compound	Detection Limit (ug/L)						
Benzene	1.0	BDL	7.0	7.0	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Xylene 4)	1.0	---	BDL	BDL	---	---	BDL

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 240, A1 (MW-13)

2) = Second Column Confirmation of 589, A1 (MW-13)

3) = Blind Duplicate of 229, A1 (MW-14)

4) = Quantitated as Ethylbenzene

* = Invalid Data

TABLE N-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 2 of 4

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Sampling Point:		MW-44 *	1) MW-44	MW-45 *	2) MW-45
Date Sampled:		8 JAN 87	25 FEB 87	8 JAN 87	26 FEB 87
Date Analyzed:		16 JAN 87	2 MAR 87	16 JAN 87	2 MAR 87
Sticker No., ID:		145, AI	581, AI	155, AI	583, AI
Depth Interval (ft):		8	8	8	8
Compound	Detection Limit (ug/L)				
Benzene	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Ethylbenzene	1.0	BDL	BDL	BDL	BDL
Toluene	1.0	BDL	BDL	BDL	BDL
Xylene 3)	1.0	---	BDL	---	BDL

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 145, AI (MW-44)

2) = Resampled and analyzed compounds for which second column confirmation was omitted from 155, AI (MW-45)

3) = Quantitated as Ethylbenzene

* = Invalid Data

TABLE N-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 3 of 4

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

		Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID: Depth Interval (ft):			
		MW-46 *	MW-55 1) *	MW-46 2)	MW-46 3)
		8 JAN 87	8 JAN 87	26 FEB 87	26 FEB 87
		16 JAN 87	20 JAN 87	2 MAR 87	2 MAR 87
		165, A2	235, A1	585, A1	585, B1
		8	10	8	8
Compound	Detection Limit (ug/L)				
Benzene	1.0	1.6	1.5	5.0	5.0
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Ethylbenzene	1.0	BDL	BDL	BDL	BDL
Toluene	1.0	BDL	BDL	BDL	BDL
Xylene 4)	1.0	---	---	BDL	BDL

BDL = Below Detection Limit

1) = Blind Duplicate of 165, A2 (MW-46)

2) = Resampled and analyzed compounds for which second column confirmation was omitted from 165, A2, (MW-46)

3) = Second Column Confirmation of 585, A1 (MW-46)

4) = Quantitated as Ethylbenzene

* = Invalid Data

TABLE N-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 4 of 4

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Sampling Point:		MW-47 *	MW-48 *	MW-49 *	MW-49 1)
Date Sampled:		9 JAN 87	9 JAN 87	9 JAN 87	26 FEB 87
Date Analyzed:		20 JAN 87	20 JAN 87	20 JAN 87	2 MAR 87
Sticker No.:		196, AI	213, AI	207, A2	587, AI
Depth interval (ft):		10	12	8.5	8.5
Compound	Detection Limit (ug/L)				
Benzene	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Ethylbenzene	1.0	BDL	BDL	BDL	BDL
Toluene	1.0	BDL	BDL	BDL	BDL
Xylene 2)	1.0	---	---	---	BDL

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 207, A2 (MW-49)

2) = Quantitated as Ethylbenzene

* = Invalid Date

TABLE N-3

NON-HALOGENATED VOLATILE ORGANICS (WATER)

NOTE: NOT REQUIRED

LANDFILL 4

TABLE N-4

BASE/NEUTRAL EXTRACTABLES (WATER)

TABLE N-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		1)		2)
Date Sampled:		MW-13	MW-13	MW-13
Date Extracted:		12 JAN 87	22 APR 87	22 APR 87
Date Analyzed:		23 JAN 87	28 APR 87	28 APR 87
Sticker No., ID:		28 JAN 87	29 MAY 87	29 MAY 87
Depth Interval (ft):		251, E1	668, E1	669, E2
		22	21	21
Compound	Detection Limit (ug/L)			
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	25*	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	11*	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 2 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

		Sampling Site: Date Sampled: Date Extracted: Date Analyzed: Sticker No., ID: Depth Interval (ft):		
		MW-14 9 JAN 87 22 JAN 87 28 JAN 87 236, E1 16	1) MW-14 14 APR 87 16 APR 87 15 MAY 87 672, E1 14	2) MW-14 14 APR 87 16 APR 87 18 MAY 87 673, E2 14
Compound	Detection Limit (ug/L)			
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 3 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

		Sampling Site: Date Sampled: Date Extracted: Date Analyzed: Sticker No., ID: Depth Interval (ft):		
		MW-43	MW-43	MW-43
		7 JAN 87	14 APR 87	14 APR 87
		16 JAN 87	15 APR 87	16 APR 87
		19 JAN 87	14 MAY 87	14 MAY 87
		104, E1	680, E3	681, E4
		21	18	18
Compound	Detection Limit (ug/L)			
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benizidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 4 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

		1)*	2)	3)
Sampling Site:		MW-04	MW-04	MW-04
Date Sampled:		7 JAN 87	14 APR 87	14 APR 87
Date Extracted:		17 JAN 87	15 APR 87	15 APR 87
Date Analyzed:		22 JAN 87	14 MAY 87	14 MAY 87
Sticker No., ID:		228, E2	661, E2	660, E1
Depth Interval (ft):		10	10	10
Compound	Detection Limit (ug/L)			
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	18
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Blind Duplicate of 104, E1 (MW-43)

2) = Resampled and Analyzed for Compounds that Exceeded Holding Times
(Blind Duplicate of 680, E3 (MW-43))

3) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 5 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		MW-44 *		(1)	2)
Date Sampled:		8 JAN 87		16 APR 87	16 APR 87
Date Extracted:		17 JAN 87		23 APR 87	23 APR 87
Date Analyzed:		22 JAN 87		20 MAY 87	19 MAY 87
Sticker No., ID:		152, E2		684, E1	685, E2
Depth Interval (ft):		8		5.5	5.5
Compound	Detection Limit (ug/L)				
Acenaphthene	25	BDL	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 6 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		MW-45 *	MW-45 1)	MW-45 2)
Date Sampled:		8 JAN 87	16 APR 87	16 APR 87
Date Extracted:		17 JAN 87	23 APR 87	23 APR 87
Date Analyzed:		20 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		162, C2	688, E1	689, E2
Depth Interval (ft):		8	5.5	5.5
Compound	Detection Limit (ug/L)			
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methan.	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 7 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		MW-46 *		1)	2)
Date Sampled:		8 JAN 87		16 APR 87	16 APR 87
Date Extracted:		17 JAN 87		23 APR 87	23 APR 87
Date Analyzed:		22 JAN 87		19 MAY 87	19 MAY 87
Sticker No., ID:		172, E2		692, E1	693, E2
Depth Interval (Ft):		8		5	5
Compound	Detection Limit (ug/L)				
Acenaphthene	25	BDL	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	21*	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 8 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		MW-47 *	MW-47 1)	MW-47 2)
Date Sampled:		9 JAN 87	16 APR 87	16 APR 87
Date Extracted:		22 JAN 87	23 APR 87	23 APR 87
Date Analyzed:		27 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		203, E1	696, E1	697, E2
Depth Interval (ft):		10	5.5	5.5
Compound	Detection Limit (ug/L)			
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 9 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		MW-48 *		1)	2)
Date Sampled:		9 JAN 87		22 APR 87	22 APR 87
Date Extracted:		22 JAN 87		28 APR 87	28 APR 87
Date Analyzed:		28 JAN 87		28 MAY 87	29 MAY 87
Sticker No., ID:		222, E1		700, E1	701, E2
Depth Interval (ft):		12		6	6
Compound	Detection Limit (ug/L)				
Acenaphthene	25	BDL	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL	BDL
Benztidine	10	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 10 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		MW-49 *	MW-49 1)	MW-49 2)
Date Sampled:		9 JAN 87	22 APR 87	22 APR 87
Date Extracted:		22 JAN 87	28 APR 87	28 APR 87
Date Analyzed:		27 JAN 87	29 MAY 87	29 MAY 87
Sticker No., ID:		212, E1	706, E3	707, E4
Depth Interval (ft):		8.5	6	6
Compound	Detection Limit (ug/L)			
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	14
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	18
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 11 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		1)*	2)*	3)*	
Date Sampled:		MW-57	MW-57	MW-57	MW-56
Date Extracted:		13 JAN 87	22 APR 87	22 APR 87	22 APR 87
Date Analyzed:		27 JAN 87	28 APR 87	28 APR 87	28 APR 87
Sticker No., ID:		30 JAN 87	29 MAY 87	29 MAY 87	29 MAY 87
Depth Interval (ft):		317, E1	735, E1	771, E2	733,
		10	6	6	BLANK
Compound	Detection Limit (ug/L)				
Acenaphthene	25	BDL	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	26	BDL	26
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	20	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL	20
Fluoranthene	10	BDL	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Blind Duplicate of 212, E1 (MW-49)

2) = Resampled and Analyzed for Compounds that Exceeded Holding Times
(Blind Duplicate of 706, E3 (MW-49))

3) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-5

HALOGENATED VOLATILE ORGANICS (WATER)

TABLE N-5. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 5

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

		Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID: Depth Interval (ft):				
		MW-13	MW-13	MW-13	MW-14	MW-57
		12 JAN 87	26 FEB 87	26 FEB 87	9 JAN 87	9 JAN 87
		23 JAN 87	1 MAR 87	11 MAR 87	20 JAN 87	20 JAN 87
		241, A2	589, A1	590, A2	230, A2	314, A1
		22	22	22	16	12
Compound	Detection Limit (ug/L)					
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL	BDL
2-Chloroethylvinyl Ether	1.0	BDL	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	22.0	BDL	BDL
trans-1,2-Dichloroethene	1.0	19.0	41.0	52.0	BDL	BDL
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	2.3	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	3.8	16.0	BDL	BDL

BDL = Below Detection Limit

- 1) = Resampled and analyzed compounds for which second column confirmation was omitted from 241, A2 (MW-13)
- 2) = Second Column Confirmation of Sample 589, A1 (MW-13)
- 3) = Blind Duplicate of 230, A2 (MW-14)
- * = Invalid Data

TABLE N-5. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 2 of 5

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

		Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID: Depth Interval (ft):			
		MW-43	MW-44*	MW-44 ¹⁾	MW-44 ^{2)*}
		7 JAN 87	8 JAN 87	26 FEB 87	26 FEB 87
		16 JAN 87	16 JAN 87	1 MAR 87	11 MAR 87
		94, A2	146, A2	581, A1	582, A2
		21	8	8	22
Compound	Detection Limit (ug/L)				
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL
2-Chloroethylvinyl Ether	1.0	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	7.8	3.6	18.0
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 146, A2 (MW-44)

2) = Second Column Confirmation of 581, A1 (MW-44)

* = Invalid Data

TABLE N-5. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 3 of 5

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

		Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID: Depth Interval (ft):		
		MW-45 8 JAN 87 16 JAN 87 156, A2 8	1) MW-45 26 FEB 87 1 MAR 87 583, A1 8	2)* MW-45 26 FEB 87 11 MAR 87 584, A2 8
Compound	Detection Limit (ug/L)			
Bromodichloromethane	1.0	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL
Chloroethane	1.0	BDL	BDL	BDL
2-Chloroethylvinyl Ether	1.0	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL
1,1-Dichloroethane	1.0	7.6	6.0	6.3
1,2-Dichloroethane	1.0	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	1.0	3.5
1,2-Dichloropropene	1.0	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	6.0	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL
Trichloroethene	1.0	1.3	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 156, A2 (MW-45)

2) = Second Column Confirmation of 583, A1 (MW-45)

* = Invalid Data

TABLE N-5. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 4 of 5

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Sampling Point:		MW-46	MW-55	MW-46	MW-46
Date Sampled:		8 JAN 87	8 JAN 87	26 FEB 87	26 FEB 87
Date Analyzed:		16 JAN 87	20 JAN 87	1 MAR 87	11 MAR 87
Sticker No.:		166, A2	226, A2	585, A1	586, A2
Depth Interval (ft):		8	10	8	8
Compound	Detection Limit (ug/L)				
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL
2-Chloroethylvinyl Ether	1.0	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	1.2	3.2	13.0	17.0
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	1.4	3.6	10.0

BDL = Below Detection Limit

1) = Blind Duplicate of 166, A2 (MW-46)

2) = Resampled and analyzed compounds for which second column confirmation was omitted from 166, A2 (MW-46)

3) = Second Column Confirmation of 585, A1 (MW-46)

* = Invalid Data

TABLE N-5. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 5 of 5

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

		* MW-47		* MW-48		* MW-49		1) MW-49		2)* MW-49	
Sampling Point:		9 JAN 87		9 JAN 87		9 JAN 87		26 FEB 87		26 FEB 87	
Date Sampled:		20 JAN 87		20 JAN 87		20 JAN 87		1 MAR 87		11 MAR 87	
Date Analyzed:		197, A2		217, A2		208, A2		587, A1		588, A2	
Sticker No., ID:		10		12		8.5		8.5		8.5	
Depth Interval (ft):											
Compound	Detection Limit (ug/L)										
Bromodichloromethane	1.0	BDL		BDL		BDL		BDL		BDL	
Bromoform	1.0	BDL		BDL		BDL		BDL		BDL	
Bromomethane	1.0	BDL		BDL		BDL		BDL		BDL	
Carbon Tetrachloride	1.0	BDL		BDL		BDL		BDL		BDL	
Chlorobenzene	1.0	BDL		BDL		BDL		BDL		BDL	
Chloroethane	1.0	BDL		BDL		BDL		BDL		BDL	
2-Chloroethylvinyl Ether	1.0	BDL		BDL		BDL		BDL		BDL	
Chloroform	1.0	BDL		BDL		BDL		BDL		BDL	
Chloromethane	1.0	BDL		BDL		BDL		BDL		BDL	
Dibromochloromethane	1.0	BDL		BDL		BDL		BDL		BDL	
1,2-Dichlorobenzene	1.0	BDL		BDL		BDL		BDL		BDL	
1,3-Dichlorobenzene	1.0	BDL		BDL		BDL		BDL		BDL	
1,4-Dichlorobenzene	1.0	BDL		BDL		BDL		BDL		BDL	
Dichlorodifluoromethane	1.0	BDL		BDL		BDL		BDL		BDL	
1,1-Dichloroethane	1.0	BDL		BDL		BDL		BDL		BDL	
1,2-Dichloroethane	1.0	BDL		BDL		BDL		BDL		BDL	
1,1-Dichloroethene	1.0	BDL		BDL		BDL		BDL		BDL	
trans-1,2-Dichloroethene	1.0	BDL		BDL		1.1		1.7		6.4	
1,2-Dichloropropene	1.0	BDL		BDL		BDL		BDL		BDL	
cis-1,3-Dichloropropene	1.0	BDL		BDL		BDL		BDL		BDL	
trans-1,3-Dichloropropene	1.0	BDL		BDL		BDL		BDL		BDL	
Methylene Chloride	1.0	BDL		BDL		BDL		BDL		BDL	
1,1,2,2-Tetrachloroethane	1.0	BDL		BDL		BDL		BDL		BDL	
1,1,1-Trichloroethane	1.0	BDL		BDL		BDL		BDL		BDL	
1,1,2-Trichloroethane	1.0	BDL		BDL		BDL		BDL		BDL	
Tetrachloroethane	1.0	BDL		BDL		BDL		BDL		BDL	
Trichlorofluoromethane	1.0	BDL		BDL		BDL		BDL		BDL	
Vinyl Chloride	1.0	BDL		BDL		BDL		BDL		BDL	
Trichloroethene	1.0	BDL		BDL		BDL		BDL		BDL	

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 208, A2 (MW-49)

2) = Second Column Confirmation of 587, A1 (MW-49)

* = Invalid Data

TABLE N-6

PCB'S AND PESTICIDES (WATER)

TABLE N-6. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 6

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Sampling Point:		MW-13 *	MW-13 1)	MW-13 2)	MW-14 *	MW-14 1)	MW-14 2)
Date Sampled:		12 JAN 87	22 APR 87	22 APR 87	9 JAN 87	14 APR 87	14 APR 87
Date Extracted:		23 JAN 87	28 APR 87	28 APR 87	22 JAN 87	16 APR 87	16 APR 87
Date Analyzed:		28 JAN 87	29 MAY 87	29 MAY 87	28 JAN 87	15 MAY 87	18 APR 87
Sticker No., ID:		251, E1	668, E1	669, E2	236, E1	672, E1	673, E2
Depth Interval (ft):		22	21	22	16	14	14
Compound	Detection Limit (ug/L)						
Aldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-6. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 2 of 6

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

		Sampling Point: Date Sampled: Date Extracted: Date Analyzed: Sticker No., ID: Depth Interval (ft):					
		* MW-43	1) MW-43	2) MW-43	3)* MW-04	1), 4) MW-04	2), 5) MW-04
		7 JAN 87	14 APR 87	14 APR 87	8 JAN 87	14 APR 87	14 APR 87
		16 JAN 87	15 APR 87	16 APR 87	17 JAN 87	15 APR 87	15 APR 87
		19 JAN 87	14 MAY 87	14 MAY 87	22 JAN 87	14 MAY 87	14 MAY 87
		104, E2	680, E3	681, E4	228, E2	660, E1	661, E2
		21	18	18	10	10	10
Compound	Detection Limit (ug/L)						
Aldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

3) = Blind Duplicate of 104, E2 (MW-43)

4) = Blind Duplicate of 680, E3 (MW-43)

5) = Blind Duplicate of 681, E4 (MW-43)

* = Invalid Data

TABLE N-6. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 3 of 6

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Sampling Point:		MW-44 *	MW-44 1)	MW-44 2)	MW-45 *	MW-45 1)	MW-45 2)
Date Sampled:		8 JAN 87	16 APR 87	16 APR 87	8 JAN 87	16 APR 87	16 APR 87
Date Extracted:		17 JAN 87	23 APR 87	23 APR 87	17 JAN 87	23 APR 87	23 APR 87
Date Analyzed:		22 JAN 87	20 MAY 87	19 MAY 87	20 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		152, E2	684, E1	685, E2	162, E2	688, E1	689, E2
Depth Interval (ft):		8	5.5	5.5	8	5.5	5.5
Compound	Detection Limit (ug/L)						
Aldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-6. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 4 of 6

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

		MW-46 *	MW-46 1)	MW-46 2)	MW-47 *	MW-47 1)	MW-47 2)
Sampling Point:		8 JAN 87	16 APR 87	16 APR 87	8 JAN 87	16 APR 87	16 APR 87
Date Sampled:		17 JAN 87	23 APR 87	23 APR 87	22 JAN 87	23 APR 87	23 APR 87
Date Extracted:		22 JAN 87	19 MAY 87	19 MAY 87	27 JAN 87	18 MAY 87	18 MAY 87
Date Analyzed:		172, E2	692, E1	685, E2	203, E1	696, E1	697, E2
Sticker No., ID:		8	5	5	10	5.5	5.5
Depth Interval (ft):							
Compound	Detection Limit (ug/L)						
Aldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-6. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 5 of 6

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Sampling Point:		MW-48 *	MW-48 1)	MW-48 2)	MW-49 *	MW-49 1)	MW-49 2)
Date Sampled:		9 JAN 87	22 APR 87	22 APR 87	9 JAN 87	22 APR 87	22 APR 87
Date Extracted:		22 JAN 87	28 APR 87	28 APR 87	22 JAN 87	28 APR 87	28 APR 87
Date Analyzed:		28 JAN 87	28 MAY 87	28 MAY 87	27 JAN 87	29 MAY 87	29 MAY 87
Sticker No., ID:		222, E1	700, E1	701, E2	212, E1	706, E3	707, E4
Depth Interval (ft):		12	6	6	8.5	6	6
Compound	Detection Limit (ug/L)						
Aldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-6. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 6 of 6

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

		1) MW-57	2) MW-57	3) MW-57
Sampling Point:				
Date Sampled:		13 JAN 87	22 APR 87	22 APR 87
Date Extracted:		27 JAN 87	28 APR 87	28 APR 87
Date Analyzed:		30 JAN 87	29 MAY 87	29 MAY 87
Sticker No., ID:		317, E1	735, E1	771, E2
Depth Interval (ft):		10	6	6
Compound	Detection Limit (ug/L)			
Aldrin	10	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Blind Duplicate of 212, E1 (MW-49)

2) = Resampled and Analyzed for Compounds that Exceeded Holding Times
(Blind Duplicate of 706, E3 (MW-49))

3) = Duplicate Sample Analyzed (Blind Duplicate of 707, E4 (MW-49))

* = Invalid Data

TABLE N-7

PETROLEUM HYDROCARBONS (WATER)

TABLE N-7. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 2

Petroleum Hydrocarbons (Water); Method E418.1; Concentrations in mg/L

Sampling Point:	MW-13	MW-14	MW-43	MW-44	MW-02
Date Sampled:	12 JAN 87	9 JAN 87	7 JAN 87	8 JAN 87	8 JAN 87
Date Extracted:	27 JAN 87	27 JAN 87	13 JAN 87	13 JAN 87	13 JAN 87
Date Analyzed:	27 JAN 87	27 JAN 87	13 JAN 87	13 JAN 87	13 JAN 87
Sticker No., ID:	250, C	233, C	97, C	149, C	321, C
Depth Interval (ft):	22	16	21	8	13
Compound	Detection Limit (mg/L)				
Hydrocarbons	2.0	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Blind Duplicate of 149, C (MW-44)

* = Invalid Data

TABLE N-7. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 2 of 2

Petroleum Hydrocarbons (Water); Method E418.1; Concentrations in mg/L

Sampling Point:		MW-45	MW-46	MW-47	MW-48	MW-49
Date Sampled:		8 JAN 87	8 JAN 87	9 JAN 87	9 JAN 87	9 JAN 87
Date Extracted:		13 JAN 87	13 JAN 87	27 JAN 87	27 JAN 87	27 JAN 87
Date Analyzed:		13 JAN 87	13 JAN 87	27 JAN 87	27 JAN 87	27 JAN 87
Sticker No., ID:		159, C	169, C	206, C	220, C	210, C
Depth Interval (ft):		8	8	10	12	8.5
Compound	Detection Limit (mg/L)					
Hydrocarbons	2.0	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

* = Invalid Data

TABLE N-8

ACID EXTRACTABLES (SEDIMENT)

TABLE N-8. RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4; p. 1 of 1

Acid Extractables (Sediment); Method 625 A; Concentrations in mg/Kg

Sampling Point:		SD-12	SD-13
Date Sampled:		20 JAN 87	20 JAN 87
Date Extracted:		30 JAN 87	30 JAN 87
Date Analyzed:		3 FEB 87	3 FEB 87
Sticker No., ID:		371, A	375, A
Compound	Detection Limits (mg/Kg)		
4-Chloro-3-Methylphenol	6,250	BDL	BDL
2-Chlorophenol	6,250	BDL	BDL
2,4-Dichlorophenol	6,250	BDL	BDL
2,4-Dimethylphenol	6,250	BDL	BDL
2,4-Dinitrophenol	62,50	BDL	BDL
2-Methyl-4,6-Dinitrophenol	62,50	BDL	BDL
2-Nitrophenol	6,250	BDL	BDL
4-Nitrophenol	6,250	BDL	BDL
Pentachlorophenol	6,250	BDL	BDL
Phenol	6,250	BDL	BDL
2,4,6-Trichlorophenol	6,250	BDL	BDL

BDL = Below Detection Limits

TABLE N-9

AROMATIC VOLATILE ORGANICS (SEDIMENT)

TABLE N-9. RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4; p. 1 of 1

Aromatic Volatile Organics (Sediments); Method SW 5030/602; Concentrations in mg/Kg

Compound	Detection Limit (mg/Kg)	Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID:	SD-12 *	SD-12 ¹⁾	SD-13 *	SD-13 ²⁾	SD-13 ³⁾
			20 JAN 87 3 MAR 87 371, A	25 FEB 87 3 MAR 87 806, A1	20 JAN 87 3 FEB 87 375, A	25 FEB 87 3 MAR 87 807, A1	25 FEB 87 3 MAR 87 807, A1
Benzene	0.001		BDL	BDL	BDL	0.005	BDL
Chlorobenzene	0.001		BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001		BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001		BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001		BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.001		BDL	BDL	BDL	BDL	BDL
Toluene	0.001		BDL	BDL	BDL	BDL	BDL
Xylene ⁴⁾	0.001		---	BDL	---	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 371, A (SD-12)

2) = Resampled and analyzed compounds for which second column confirmation was omitted from 375, A (SD-13)

3) = Second column confirmation of 807, A1 (SD-13)

4) = Quantitated as Ethylbenzene

* = Invalid Data

TABLE N-10

NON-HALOGENATED VOLATILE ORGANICS (SEDIMENT)

TABLE N-10. RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4; p. 1 of 1

Non-Halogenated Volatile Organics (Sediments); Method SW 5030/8015; Concentrations in mg/Kg

		Sampling Point:		SD-12	SD-13
		Date Sampled:		20 JAN 87	20 JAN 87
		Date Analyzed:		2 FEB 87	3 FEB 87
		Sticker No., ID:		371, A	375, A
Compound	Detection Limit (mg/Kg)				
Acrylamide	0.025			BDL	BDL
Carbon Disulfide	0.025			BDL	BDL
Diethyl Ether	0.025			BDL	BDL
Methyl Ethyl Ketone	0.025			BDL	BDL
Methyl Isobutyl Ketone	0.025			BDL	BDL
Paraldehyde	0.025			BDL	BDL

BDL = Below Detection Limit

TABLE N-11

BASE/NEUTRAL EXTRACTABLES (SEDIMENT)

TABLE N-11. RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4; p. 1 of 1

Base/Neutral Extractables (Sediment); Method SW3550/625B/N; Concentrations in mg/Kg

		Sampling Site:	
		Date Sampled:	
		Date Extracted:	
		Date Analyzed:	
		Sticker No., ID:	
		SD-12	SD-13
		12 JAN 87	12 JAN 87
		30 JAN 87	30 JAN 87
		3 FEB 87	3 JAN 87
		371, A	375, A
Compound	Detection Limit (mg/Kg)		
Acenaphthene	6.250	BDL	BDL
Acenaphthylene	2.500	BDL	BDL
Anthracene	2.500	BDL	BDL
Benzidine	2.500	BDL	BDL
Benzo (a) Anthracene	2.500	BDL	BDL
Benzo (a) Pyrene	2.500	BDL	BDL
Benzo (b) Fluoranthene	2.500	BDL	BDL
Benzo (ghi) Perylene	6.250	BDL	BDL
Benzo (k) Fluoranthene	2.500	BDL	BDL
Bis (2-Chloroethoxy) Methane	2.500	BDL	BDL
Bis (2-Chloroethyl) Ether	2.500	BDL	BDL
Bis (2-Chloroisopropyl) Ether	2.500	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	2.500	BDL	BDL
4-Bromophenyl Phenyl Ether	2.500	BDL	BDL
Benzyl Butyl Phthalate	2.500	BDL	BDL
2-Chloronaphthalene	2.500	BDL	BDL
4-Chlorophenyl Phenyl Ether	2.500	BDL	BDL
Chrysene	2.500	BDL	BDL
Dibenzo (a,h) Anthracene	2.500	BDL	BDL
1,2-Dichlorobenzene	2.500	BDL	BDL
1,3-Dichlorobenzene	2.500	BDL	BDL
1,4-Dichlorobenzene	2.500	BDL	BDL
3,3-Dichlorobenzidine	2.500	BDL	BDL
Diethyl Phthalate	2.500	BDL	BDL
Dimethyl Phthalate	2.500	BDL	BDL
Di-N-Butyl Phthalate	2.500	BDL	BDL
2,4-Dinitrotoluene	2.500	BDL	BDL
2,6-Dinitrotoluene	2.500	BDL	BDL
Di-N-Octylphthalate	2.500	BDL	BDL
Fluoranthene	2.500	BDL	BDL
Fluorene	2.500	BDL	BDL
Hexachlorobenzene	2.500	BDL	BDL
Hexachlorobutadiene	2.500	BDL	BDL
Hexachlorocyclopentadiene	2.500	BDL	BDL
Hexachloroethane	2.500	BDL	BDL
Indeno (1,2,3-cd) Pyrene	6.250	BDL	BDL
Isophorone	2.500	BDL	BDL
Naphthalene	2.500	BDL	BDL
Nitrobenzene	2.500	BDL	BDL
N-Nitrosodimethylamine	2.500	BDL	BDL
N-Nitroso-Di-N-Propylamine	2.500	BDL	BDL
N-Nitrosodiphenylamine	2.500	BDL	BDL
Phenanthrene	2.500	BDL	BDL
Pyrene	2.500	BDL	BDL
1,2,4-Trichlorobenzene	2.500	BDL	BDL

BDL = Below Detection Limit

TABLE N-12

HALOGENATED VOLATILE ORGANICS (SEDIMENT)

TABLE N-12. RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4; p. 1 of 1

Halogenated Volatile Organics (Sediments); Method 601; Concentrations in mg/Kg

		* SD-12	1) SD-12	2)* SD-12	* SD-13	3) SD-13	4) SD-13
Sampling Point:		20 JAN 87	25 FEB 87	25 FEB 87	20 JAN 87	25 FEB 87	25 FEB 87
Date Sampled:		3 FEB 87	1 MAR 87	12 MAR 87	3 FEB 87	1 MAR 87	12 MAR 87
Date Analyzed:		371, A	806, A	806, AI	375, A	807, AI	807, A2
Sticker No., ID:							
Compound	Detection Limit (mg/Kg)						
Bromodichloromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Tetrachloride	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorethylvinyl Ether	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.001	BDL	BDL	BDL	0.0012	BDL	BDL
1,2-Dichloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	0.001	BDL	BDL	BDL	0.0019	BDL	BDL
trans-1,2-Dichloroethene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	0.001	BDL	BDL	BDL	0.220	BDL	BDL
Vinyl Chloride	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,-Trichloro-1,2,2-Trifluoroethane	0.001	0.0035			0.160		

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 371, A (SD-12)

2) = Second Column Confirmation Sample of 806, A (SD-12)

3) = Resampled and analyzed compounds for which second column confirmation was omitted from 375, A (SD-13)

4) = Second Column Confirmation Sample of 807, AI (SD-13)

* = Invalid Data

TABLE N-13

PCB'S AND PESTICIDES (SEDIMENT)

TABLE N-13. RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4; p. 1 of 1

PCB's and Pesticides (Sediment); Method 625P; Concentrations in mg/Kg

Sampling Point:		SD-12	SD-13
Date Sampled:		20 JAN 87	20 JAN 87
Date Extracted:		30 JAN 87	30 JAN 87
Date Analyzed:		3 FEB 87	3 FEB 87
Sticker No., ID:		371, A	375, A
Compound	Detection Limit (mg/Kg)		
Aldrin	2.50	BDL	BDL
Alpha - BHC	2.50	BDL	BDL
Beta - BHC	2.50	BDL	BDL
Delta - BHC	2.50	BDL	BDL
Gamma - BHC	2.50	BDL	BDL
Chlordane	2.50	BDL	BDL
4,4'-DDD	2.50	BDL	BDL
4,4'-DDE	2.50	BDL	BDL
4,4'-DDT	2.50	BDL	BDL
Dieldrin	2.50	BDL	BDL
Endosulfan I	2.50	BDL	BDL
Endosulfan II	2.50	BDL	BDL
Endosulfan Sulfate	2.50	BDL	BDL
Endrin	2.50	BDL	BDL
Endrin Aldehyde	2.50	BDL	BDL
Heptachlor	2.50	BDL	BDL
Heptachlor Epoxide	2.50	BDL	BDL
Toxaphene	2.50	BDL	BDL
PCB 1016	2.50	BDL	BDL
PCB 1221	2.50	BDL	BDL
PCB 1232	2.50	BDL	BDL
PCB 1242	2.50	BDL	BDL
PCB 1248	2.50	BDL	BDL
PCB 1254	2.50	BDL	BDL
PCB 1260	2.50	BDL	BDL

BDL = Below Detection Limits

TABLE N-14

PETROLEUM HYDROCARBONS (SEDIMENT)

TABLE N-14. RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4; p. 1 of 1

Petroleum Hydrocarbons (Sediment); Method SW3550/E418.1; Concentrations in mg/Kg

Sampling Point:		SD-12	SD-13
Date Sampled:		20 JAN 87	20 JAN 87
Date Extracted:		2 FEB 87	2 FEB 87
Date Analyzed:		3 FEB 87	3 FEB 87
Sticker No., ID:		371, A	375, A
Compound	Detection Limit (mg/Kg)		
Hydrocarbons	25	BDL	BDL

BDL = Below Detection Limit

TABLE N-15

ACID EXTRACTABLES (SURFACE WATER)

TABLE N-15. RESULTS OF WATER ANALYSES; LANDFILL No. 4; p. 1 of 1

Acid Extractables (Surface Water); Method 625 A; Concentrations in ug/L

		*	1)	2)	*	1)	2)
Sampling Point:		SW-10	SW-10	SW-10	SW-11	SW-11	SW-11
Date Sampled:		12 JAN 87	14 APR 87	14 APR 87	12 JAN 87	14 APR 87	14 APR 87
Date Extracted:		23 JAN 87	17 APR 87	17 APR 87	23 JAN 87	17 APR 87	17 APR 87
Date Analyzed:		30 JAN 87	14 MAY 87	15 MAY 87	30 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		182, E2	736, E1	737, E2	192, E2	740, E1	741, E1
Compound	Detection Limits (ug/L)						
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-16

AROMATIC VOLATILE ORGANICS (SURFACE WATER)

TABLE N-16. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 1

Aromatic Volatile Organics (Surface Water); Method 602; Concentrations in ug/L

		* *	
Sampling Point:		SW-10	SW-11
Date Sampled:		12 JAN 87	12 JAN 87
Date Analyzed:		23 JAN 87	23 JAN 87
Sticker No., ID:		175, AI	185, AI
Compound	Detection Limit (ug/L)		
Benzene	1.0	BDL	BDL
Chlorobenzene	1.0	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL
Ethylbenzene	1.0	BDL	BDL
Toluene	1.0	BDL	BDL

BDL = Below Detection Limit

* = Invalid Data

TABLE N-17
NON-HALOGENATED VOLATILE ORGANICS (SURFACE WATER)

[NOT REQUIRED]

TABLE N-18

BASE/NEUTRAL EXTRACTABLES (SURFACE WATER)

TABLE N-18. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 1

Base/Neutral Extractables (Surface Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		SW-10 *	SW-10 1)	SW-10 2)	SW-11 *	SW-11 1)	SW-11 2)
Date Sampled:		12 JAN 87	14 APR 87	14 APR 87	12 JAN 87	14 APR 87	14 APR 87
Date Extracted:		23 JAN 87	17 APR 87	17 APR 87	23 JAN 87	17 APR 87	17 APR 87
Date Analyzed:		30 JAN 87	14 MAY 87	15 MAY 87	30 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		181, E1	736, E1	737, E2	191, G1	740, E1	741, E2
Compound	Detection Limit (ug/L)						
Acenaphthene	25	BDL	BDL	BDL	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-19

HALOGENATED VOLATILE ORGANICS (SURFACE WATER)

TABLE N-19. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 1

Halogenated Volatile Organics (Surface Water); Method 601; Concentrations in ug/L

		* SW-10 12 JAN 87 23 JAN 87 176, A2		* SW-11 12 JAN 87 23 JAN 87 186, A2	
Sampling Point:					
Date Sampled:					
Date Analyzed:					
Sticker No., ID:					
Compound	Detection Limit (ug/L)				
Bromodichloromethane	1.0	BDL		BDL	
Bromoform	1.0	BDL		BDL	
Bromomethane	1.0	BDL		BDL	
Carbon Tetrachloride	1.0	BDL		BDL	
Chlorobenzene	1.0	BDL		BDL	
Chloroethane	1.0	BDL		BDL	
2-Chloroethylvinyl Ether	1.0	BDL		BDL	
Chloroform	1.0	BDL		BDL	
Chloromethane	1.0	BDL		BDL	
Dibromochloromethane	1.0	BDL		BDL	
1,2-Dichlorobenzene	1.0	BDL		BDL	
1,3-Dichlorobenzene	1.0	BDL		BDL	
1,4-Dichlorobenzene	1.0	BDL		BDL	
Dichlorodifluoromethane	1.0	BDL		BDL	
1,1-Dichloroethane	1.0	BDL		BDL	
1,2-Dichloroethane	1.0	BDL		BDL	
1,1-Dichloroethene	1.0	BDL		BDL	
trans-1,2-Dichloroethene	1.0	BDL		BDL	
1,2-Dichloropropene	1.0	BDL		BDL	
cis-1,3-Dichloropropene	1.0	BDL		BDL	
trans-1,3-Dichloropropene	1.0	BDL		BDL	
Methylene Chloride	1.0	BDL		BDL	
1,1,2,2-Tetrachloroethane	1.0	BDL		BDL	
1,1,1-Trichloroethane	1.0	BDL		BDL	
1,1,2-Trichloroethane	1.0	BDL		BDL	
Tetrachloroethene	1.0	BDL		BDL	
Trichlorofluoromethane	1.0	BDL		BDL	
Vinyl Chloride	1.0	BDL		BDL	
Trichloroethene	1.0	BDL		BDL	

BDL= Below Detection Limit

* = Invalid Data

TABLE N-20

PCB'S AND PESTICIDES (SURFACE WATER)

TABLE N-20. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 1

PCB's and Pesticides (Surface Water); Method 625P; Concentrations in ug/L

		SW-10 *	SW-10 1)	SW-10 2)	SW-11 *	SW-11 1)	SW-11 2)
Sampling Point:		SW-10	SW-10	SW-10	SW-11	SW-11	SW-11
Date Sampled:		12 JAN 87	14 APR 87	14 APR 87	12 JAN 87	14 APR 87	14 APR 87
Date Extracted:		23 JAN 87	17 APR 87	17 APR 87	23 JAN 87	17 APR 87	17 APR 87
Date Analyzed:		30 JAN 87	14 MAY 87	18 MAY 87	30 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		181, E1	736, E1	737, E2	191, E1	740, E1	741, E2
Compound	Detection Limit (ug/L)						
Aldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE N-21

PETROLEUM HYDROCARBONS (SURFACE WATER)

TABLE N-21. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 1

Petroleum Hydrocarbons (Surface Water); Method E418.1; Concentrations in mg/L

Sampling Point:		SW-10 *	MW-57 1) *	SW-11 *
Date Sampled:		12 JAN 87	13 JAN 87	12 JAN 87
Date Extracted:		27 JAN 87	28 JAN 87	27 JAN 87
Date Analyzed:		27 JAN 87	28 JAN 87	27 JAN 87
Sticker No., ID:		179, C	316, C	195, C
Compound	Limit (mg/L)			
Hydrocarbons	2.0	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Blind Duplicate of 179, C (SW-10)

* = Invalid Data

APPENDIX 0

INORGANIC RESULTS - SITE 3

(LANDFILL NO. 1)

TABLE 0-1
ANIONS (WATER)

TABLE O-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 1; p. 1 of 1

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:		MW-12	MW-60	MW-12 ¹⁾
Date Sampled:		16 JAN 87	21 JAN 87	14 APR 87
Date Analyzed:		3 FEB 87	2 FEB 87	15 APR 87
Sticker No., ID:		331, J	446, J	667, L
Depth Interval (ft):		10	(Blank)	16
Compound	Detection Limit (mg/L)			
Fluoride	0.01	BDL	0.035	
Chloride	0.01	5.704	0.166	
Nitrate	0.03	BDL*	BDL	BDL
Phosphate	0.60	0.848*	BDL	BDL
Bromide	0.05	0.339	BDL	
Nitrite	0.05	0.143*	BDL	0.086
Sulfate	0.05	12.688	0.250	

BDL = Below Detection Limits

1) = Resampled and Analyzed for Anions that Exceeded Holding Times

* = Invalid Data

TABLE 0-2

THIRTEEN PRIORITY POLLUTANT METALS (WATER)

TABLE O-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 1; p. 1 of 1

Thirteen Priority Pollutant Metals (Water); Concentrations in mg/L

Sampling Point:			MW-12
Date Sampled:			16 JAN 87
Date Analyzed:			29 JAN 87
Sticker No.:			333, L
Depth Interval (ft):			20
Compound	Detection Limit (mg/L)	Methods	
Arsenic	0.002	E206.2	BDL
Antimony	0.009	E204.2	BDL
Beryllium	0.0012	E200.7	BDL
Cadmium	0.006	E200.7	BDL
Chromium	0.008	E200.7	BDL
Copper	0.014	E200.7	0.035
Lead	0.005	E200.7	BDL
Mercury	0.0002	E245.1	BDL
Nickel	0.010	E200.7	BDL
Selenium	0.004	E270.2	BDL
Silver	0.007	E200.7	BDL
Thallium	0.002	E200.7	BDL
Zinc	0.003	E200.7	BDL

BDL = Below Detection Limit

TABLE 0-3

TOTAL DISSOLVED SOLIDS

TABLE 0-3. RESULTS OF WATER ANALYSES; LANDFILL NO. 1; p. 1 of 1

Total Dissolved Solids (Water); Method E160.1; Concentrations in mg/L

<u>Sampling Point</u>	<u>Depth Interval (ft)</u>	<u>Sticker No., ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>TDS (mg/L)</u>
MW-12	20	0335, N	16 JAN 87	5 FEB 87	91 *
1)					
MW-56	21	0423, N	16 JAN 87	5 FEB 87	65 *

1) = Blind Duplicate of 335, N (MW-12)

Note: Detection Limits achieved for TDS $\pm$ 5.0 mg/L

* = Invalid data

APPENDIX P

ORGANIC RESULTS - SITE 3
(LANDFILL NO. 1)

TABLE P-1

ACID EXTRACTABLES (WATER)

TABLE P-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 1; p. 1 of 1

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

		*	1)	2)
Sampling Point:		MW-12	MW-12	MW-12
Date Sampled:		8 JAN 87	14 APR 87	14 APR 87
Date Extracted:		17 JAN 87	16 APR 87	16 APR 87
Date Analyzed:		19 JAN 87	15 MAY 87	15 MAY 87
Sticker No., ID:		141, E1	664, E1	665, E2
Depth Interval (ft):		20.5	16	16
Compound	Detection Limits (ug/L)			
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE P-2

AROMATIC VOLATILE ORGANICS (WATER)

TABLE P-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 1; p. 1 of 1

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Sampling Point:		MW-12
Date Sampled:		12 JAN 87
Date Analyzed:		16 JAN 87
Sticker No., ID:		135, AI
Depth Interval (ft):		20.5
Compound	Detection Limit (ug/L)	
Benzene	1.0	BDL
Chlorobenzene	1.0	BDL
1,2-Dichlorobenzene	1.0	BDL
1,3-Dichlorobenzene	1.0	BDL
1,4-Dichlorobenzene	1.0	BDL
Ethylbenzene	1.0	BDL
Toluene	1.0	BDL

BDL = Below Detection Limit

TABLE P-3

BASE/NEUTRAL EXTRACTABLES (WATER)

TABLE P-3. RESULTS OF WATER ANALYSES; LANDFILL NO. 1; p. 1 of 1

Base/Neutral Extractables (Water); Method 6258/N; Concentrations in ug/L

		Sampling Site: Date Sampled: Date Extracted: Date Analyzed: Sticker No., ID: Depth Interval (ft):		
		MW-12	MW-12	MW-12
		8 JAN 87	14 APR 87	14 APR 87
		17 JAN 87	16 APR 87	16 APR 87
		19 JAN 87	15 MAY 87	15 MAY 87
		142, E1	664, E1	655, E2
		20.5	16	16
Compound	Detection Limit (ug/L)			
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzdine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	34	35
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE P-4

HALOGENATED VOLATILE ORGANICS (WATER)

TABLE P-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 1; p. 1 of 1
Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Sampling Point:		MW-12
Date Sampled:		8 JAN 87
Date Analyzed:		16 JAN 87
Sticker No.:		136, A2
Depth Interval (ft):		20.5
Compound	Detection Limit (ug/L)	
Bromodichloromethane	1.0	BDL
Bromoform	1.0	BDL
Bromomethane	1.0	BDL
Carbon Tetrachloride	1.0	BDL
Chlorobenzene	1.0	BDL
Chloroethane	1.0	BDL
2-Chlorethylvinyl Ether	1.0	BDL
Chloroform	1.0	BDL
Chloromethane	1.0	BDL
Dibromochloromethane	1.0	BDL
1,2-Dichlorobenzene	1.0	BDL
1,3-Dichlorobenzene	1.0	BDL
1,4-Dichlorobenzene	1.0	BDL
Dichlorodifluoromethane	1.0	BDL
1,1-Dichloroethane	1.0	BDL
1,2-Dichloroethane	1.0	BDL
1,1-Dichloroethene	1.0	BDL
trans-1,2-Dichloroethene	1.0	BDL
1,2-Dichloropropene	1.0	BDL
cis-1,3-Dichloropropene	1.0	BDL
trans-1,3-Dichloropropene	1.0	BDL
Methylene Chloride	1.0	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL
1,1,1-Trichloroethane	1.0	BDL
1,1,2-Trichloroethane	1.0	BDL
Tetrachloroethene	1.0	BDL
Trichlorofluoromethane	1.0	BDL
Vinyl Chloride	1.0	BDL
Trichloroethene	1.0	BDL
1,1,2,-Trichloro-1,2,2-Trifluoroethane	1.0	BDL

BDL = Below Detection Limit

TABLE P-5

PCB'S AND PESTICIDES (WATER)

TABLE P-5. RESULTS OF WATER ANALYSES; LANDFILL NO. 1; p. 1 of 1

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Sampling Point:		MW-12 *	MW-12 1)	MW-12 2)
Date Sampled:		8 JAN 87	14 APR 87	14 APR 87
Date Extracted:		17 JAN 87	16 APR 87	16 APR 87
Date Analyzed:		19 JAN 87	15 MAY 87	15 MAY 87
Sticker No.:		142, E2	664, E1	665, E2
Depth Interval (ft):		20.5	16	16
Compound	Detection Limit (ug/L)			
Aldrin	10	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE P-6

PETROLEUM HYDROCARBONS (WATER)

TABLE P-6. RESULTS OF WATER ANALYSES; LANDFILL NO. 1; p. 1 of 1

Petroleum Hydrocarbons (Water); Method E418.1; Concentrations in mg/L

Sampling Point:	MW-12
Date Sampled:	8 JAN 87
Date Extracted:	13 JAN 87
Date Analyzed:	13 JAN 87
Sticker No.:	139, C
Depth Interval (ft):	20.5
Compound	Limit (mg/L)
Hydrocarbons	2.0
	BDL

BDL = Below Detection Limit

* = Invalid Data

APPENDIX Q

INORGANIC RESULTS - SITE 4

(LANDFILL NO. 3)

TABLE Q-1
COMMON ANIONS (WATER)

TABLE Q-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 1 of 2

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:		MW-50	1)	MW-51	1)	MW-64
Date Sampled:		15 JAN 87	14 APR 87	21 JAN 87	15 APR 87	15 APR 87
Date Analyzed:		30 JAN 87	15 APR 87	3 FEB 87	16 APR 87	16 APR 87
Sticker No., ID:		319, J	712, K	438, J	718, M	769, L
Depth Interval (ft):		15.5	15	6	5.5	5.5
Compound	Detection Limit (mg/L)					
Fluoride	0.01	0.021		BDL		
Chloride	0.01	2.831		40.60		
Nitrite	0.03	BDL*	BDL	BDL*	BDL	BDL
Phosphate	0.60	BDL*	BDL	BDL*	BDL	BDL
Bromide	0.05	0.133		1.991		
Nitrate	0.05	0.945*	2.014	0.154*	BDL	BDL
Sulfate	0.05	1.053		10.717		

BDL = Below Detection Limits

1) = Resampled and Analyzed for Anions that Exceeded Holding Times

2) = Blind Duplicate of 718, M (MW-51)

* = Invalid Data

TABLE Q-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 2 of 2

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:		MW-52	1) MW-08	2) MW-52	MW-53	2) MW-53
Date Sampled:		28 JAN 87	28 JAN 87	15 APR 87	21 JAN 87	15 APR 87
Date Analyzed:		3 FEB 87	3 FEB 87	16 APR 87	3 FEB 87	16 APR 87
Sticker No., ID:		524, J	530, K	722, O	449, J	726, K
Depth Interval (ft):		8	15	5	7.5	5
Compound	Detection Limit (mg/L)					
Fluoride	0.01	BDL	BDL		BDL	
Chloride	0.01	22.980	23.264		30.01	
Nitrite	0.03	BDL*	BDL*	BDL	BDL*	BDL
Phosphate	0.60	BDL*	BDL*	BDL	BDL*	BDL
Bromide	0.05	1.034	1.036		1.376	
Nitrate	0.05	BDL*	BDL*	BDL	BDL*	BDL
Sulfate	0.05	10.780	10.900		15.564	

BDL = Below Detection Limits

1) = Blind Duplicate of 524, J (MW-52)

2) = Resampled and Analyzed for Anions that Exceeded Holding Times

* = Invalid Data

TABLE Q-2

THIRTEEN PRIORITY POLLUTANT METALS (WATER)

TABLE Q-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 1 of 1

Thirteen Priority Pollutant Metals (Water); Concentrations in mg/L

Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID: Depth Interval (ft):			MW-50 15 JAN 87 29 JAN 87 221, N 15.5	MW-51 21 JAN 87 8 FEB 87 444, L 6	MW-52 28 JAN 87 8 FEB 87 526, L 8	MW-08 28 JAN 87 8 FEB 87 532, M 15	MW-53 21 JAN 87 8 FEB 87 451, L 5
Compound	Detection Limit (mg/L)	Methods					
Arsenic	0.002	E206.2	BDL	BDL	BDL	BDL	BDL
Antimony	0.009	E204.2	BDL	BDL	BDL	BDL	BDL
Beryllium	0.0012	E200.7	BDL	BDL	BDL	BDL	BDL
Cadmium	0.006	E200.7	BDL	BDL	BDL	BDL	BDL
Chromium	0.008	E200.7	BDL	BDL	BDL	BDL	BDL
Copper	0.014	E200.7	BDL	BDL	BDL	BDL	BDL
Lead	0.005	E200.7	BDL	BDL	BDL	BDL	BDL
Mercury	0.0002	E245.1	BDL	BDL	BDL	BDL	BDL
Nickel	0.004	E200.7	BDL	BDL	BDL	BDL	BDL
Selenium	0.004	E270.2	BDL	BDL	BDL	BDL	BDL
Silver	0.007	E200.7	BDL	BDL	BDL	BDL	BDL
Thallium	0.002	E200.7	BDL	BDL	BDL	BDL	BDL
Zinc	0.003	E200.7	BDL	BDL	0.021	0.023	BDL

BDL = Below Detection Limit

() = Blind Duplicate of 526, L (MW-52)

TABLE Q-3

TOTAL DISSOLVED SOLIDS (WATER)

TABLE Q-3. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 1 of 1

Total Dissolved Solids; Method E160.1; Concentrations in mg/L

<u>Sampling Point</u>	<u>Depth Interval (ft)</u>	<u>Sticker No., ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>TDS (mg/L)</u>
MW-50	15.5	323, N	15 JAN 87	5 FEB 87	13 *
MW-51	6	442, N	21 JAN 87	5 FEB 87	629 *
MW-52 1)	8	528, N	28 JAN 87	5 FEB 87	722 *
MW-07	10	535, N	28 JAN 87	5 FEB 87	673 *
MW-53	7.5	453, N	21 JAN 87	5 FEB 87	574 *

1) = Blind Duplicate of 528, N (MW-52)

Note: Detection Limits achieved for TDS = ± 5.0 mg/L

* = Invalid Data

APPENDIX R

ORGANIC RESULTS - SITE 4

(LANDFILL NO. 3)

TABLE R-1

ACID EXTRACTABLES (WATER)

TABLE R-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 1 of 2

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

		*	1)	2)	*	1)	2)
Sampling Point:		MW-50	MW-50	MW-50	MW-51	MW-51	MW-51
Date Sampled:		7 JAN 87	14 APR 87	14 APR 87	12 JAN 87	15 APR 87	15 APR 87
Date Extracted:		16 JAN 87	15 APR 87	15 APR 87	23 JAN 87	22 APR 87	22 APR 87
Date Analyzed:		19 JAN 87	14 MAY 87	15 MAY 87	30 JAN 8	12 MAY 87	12 MAY 87
Sticker No., ID:		113, E1	709, E1	710, E2	272, E2	713, E1	714, E2
Depth Interval (ft):		16	15	15	8	5.5	5.5
Compound	Detection Limits (ug/L)						
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE R-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 2 of 2

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

Sampling Point:		*	1)	2)	*	1)	2)
Date Sampled:		MW-52	MW-52	MW-52	MW-53	MW-53	MW-53
Date Extracted:		13 JAN 87	15 APR 87	15 APR 87	12 JAN 87	15 APR 87	15 APR 87
Date Analyzed:		27 JAN 87	22 APR 87	22 APR 87	23 JAN 87	22 APR 87	22 APR 87
Sticker No., ID:		30 JAN 87	12 MAY 87	12 MAY 87	30 JAN 8	12 MAY 87	12 MAY 87
Depth Interval (ft):		283, E2	719, E1	720, E2	294, E2	723, E1	724, E2
		7	5	5	7	5	5
Compound	Detection Limits (ug/L)						
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE R-2

AROMATIC VOLATILE ORGANICS (WATER)

TABLE R-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 1 of 1

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Sampling Point:		MW-50	MW-51	MW-51	MW-51	MW-52	MW-52	MW-52	MW-53
Date Sampled:		7 JAN 87	12 JAN 87	5 MAR 87	5 MAR 87	13 JAN 87	5 MAR 87	5 MAR 87	12 JAN 87
Date Analyzed:		16 JAN 87	23 JAN 87	12 MAR 87	12 MAR 87	23 JAN 87	12 MAR 87	12 MAR 87	23 JAN 87
Sticker No., ID:		107, A1	264, A1	69, A1	69, A1	275, A1	73, A1	73, A2	286, A1
Depth Interval (ft):		20	8	8	8	7	7	7	7
Compound	Detection Limit (ug/L)								
Benzene	1.0	BDL	BDL	2.0	2.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	1.8	15.0	12.0	BDL	8.0	7.0	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	9.6	7.0	14.0	6.4	13.0	12.0	BDL
Ethylbenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	1.0	BDL	BDL	4.0	2.0	BDL	BDL	BDL	BDL
Xylene 5)	1.0	BDL	--	BDL	BDL	--	BDL	BDL	---

BDL = Below Detection Limit

- 1) = Resampled and analyzed compounds for which second column confirmation was omitted from 264, A1 (MW-51)
- 2) = Second Column Confirmation of 69, A1 (MW-51)
- 3) = Resampled and analyzed compounds for which second column confirmation was omitted from 275, A1 (MW-52)
- 4) = Second Column Confirmation of 73, A1 (MW-52)
- 5) = Quantitated as Ethylbenzene
- * = Invalid Data

TABLE R-3

BASE/NEUTRAL EXTRACTABLES (WATER)

TABLE R-3. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 1 of 4

Base/Neutral Extractables (Water); Method 6258/N; Concentrations in ug/L

		Sampling Site: Date Sampled: Date Extracted: Date Analyzed: Sticker No., ID: Depth Interval (ft):		
		MW-50 7 JAN 87 16 JAN 87 19 JAN 87 114, E2 16	1) MW-50 14 APR 87 15 APR 87 14 MAY 87 709, E1 15	2) MW-50 14 APR 87 15 APR 87 14 MAY 87 710, E2 15
Compound	Detection Limit (ug/L)			
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE R-3. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 2 of 4

Base/Neutral Extractables (Water); Method 6258/N; Concentrations in ug/L

		Sampling Site: Date Sampled: Date Extracted: Date Analyzed: Sticker No., ID: Depth Interval (ft):		
		MW-51 *	MW-51 (1)	MW-51 (2)
		12 JAN 87	15 APR 87	15 APR 87
		23 JAN 87	22 APR 87	22 APR 87
		30 JAN 87	12 MAY 87	12 MAY 87
		271, E1	713, E1	714, E2
		8	5.5	5.5
Compound	Detection Limit (ug/L)			
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	26	25
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit

(1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

(2) = Second Column Confirmation of 713, E1 (MW-51)

* = Invalid Data

TABLE R-3. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 3 of 4

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		*		1)	2)
Date Sampled:		MW-52		MW-52	MW-52
Date Extracted:		13 JAN 87		15 APR 87	15 APR 87
Date Analyzed:		27 JAN 87		22 APR 87	22 APR 87
Sticker No., ID:		30 JAN 87		12 MAY 87	12 MAY 87
Depth Interval (ft):		282, E1		719, E1	720, E2
		7		5	5
Compound	Detection Limit (ug/L)				
Acenaphthene	25	BDL	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE R-3. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 4 of 4

Base/Neutral Extractables (Water); Method 6258/N; Concentrations in ug/L

Sampling Site:		MW-53	MW-53	MW-53	MW-56
Date Sampled:		12 JAN 87	15 APR 87	15 APR 87	15 APR 87
Date Extracted:		23 JAN 87	22 APR 87	22 APR 87	22 APR 87
Date Analyzed:		30 JAN 87	12 MAY 87	12 MAY 87	12 MAY 87
Sticker No., ID:		293, E1	723, E1	724, E2	732
Depth Interval (ft):		7	5	5	BLANK
Compound	Detection Limit (ug/L)				
Acenaphthene	25	BDL	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	48	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	38	BDL
Fluoranthene	10	BDL	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

* = Invalid Data

TABLE R-4

HALOGENATED VOLATILE ORGANICS (WATER)

TABLE R-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 1 of 2

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID: Depth Interval (ft):		MW-50 7 JAN 87 16 JAN 87 108, A2 16	MW-51 12 JAN 87 23 JAN 87 265, A2 8	MW-51 ¹⁾ 5 MAR 87 12 MAR 87 69, A1 8	MW-51 ²⁾ 5 MAR 87 12 MAR 87 69, A1 8
Compound	Detection Limit (ug/L)				
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	1.8	15.0	12.0
Chloroethane	1.0	BDL	BDL	BDL	BDL
2-Chloroethylvinyl Ether	1.0	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	9.6	7.0	14.0
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	BDL	BDL	BDL
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 265, A2 (MW-51)

2) = Second Column Confirmation Sample of 69, A1 (MW-51)

* = Invalid Data

TABLE R-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 2 of 2

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

		Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID: Depth Interval (ft):			
		MW-52	MW-52	MW-52	MW-53
		13 JAN 87	5 MAR 87	5 MAR 87	12 JAN 87
		23 JAN 87	12 MAR 87	12 MAR 87	23 JAN 87
		276, A2	73, A2	73, A1	287, A2
		7	7	7	7
Compound	Detection Limit (ug/L)				
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	8.0	8.0	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL
2-Chloroethylvinyl Ether	1.0	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	6.4	13.0	12.0	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	BDL	BDL	BDL
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 276, A2 (MW-52)

2) = Second Column Confirmation of 73, A2 (MW-52)

* = Invalid Data

TABLE R-5

PCB'S AND PESTICIDES (WATER)

TABLE R-5. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 1 of 4

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

		Sampling Point: Date Sampled: Date Extracted: Date Analyzed: Sticker No., ID: Depth Interval (ft):		
		MW-50 *	MW-50 1)	MW-50 2)
		7 JAN 87	14 APR 87	14 APR 87
		16 JAN 87	15 APR 87	15 APR 87
		19 JAN 87	14 MAY 87	14 MAY 87
		114, E2	709, E1	710, E2
		16	15	15
Compound	Detection Limit (ug/L)			
Aldrin	10	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 114, E2 (MW-50)

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE R-5. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 2 of 4

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Sampling Point:		MW-51 *	MW-51 1)	MW-51 2)
Date Sampled:		12 JAN 87	15 APR 87	15 APR 87
Date Extracted:		23 JAN 87	22 APR 87	22 APR 87
Date Analyzed:		30 JAN 87	12 MAY 87	12 MAY 87
Sticker No., ID:		271, E2	713, E1	714, E1
Depth Interval (ft):		8	5.5	5.5
Compound	Detection Limit (ug/L)			
Aldrin	10	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 271, E2 (MW-51)

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE R-5. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 3 of 4

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

		Sampling Point: Date Sampled: Date Extracted: Date Analyzed: Sticker No., ID: Depth Interval (ft):		
		* MW-52	1) MW-52	2) MW-52
		13 JAN 87	15 APR 87	15 APR 87
		27 JAN 87	22 APR 87	22 APR 87
		30 JAN 87	12 MAY 87	12 MAY 87
		282, E2	719, E1	720, E2
		7	5	5
Compound	Detection Limit (ug/L)			
Aldrin	10	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 282, E2 (MW-52)

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE R-5. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 4 of 4

PCB's and Pesticides (Water); Method 625P; Concentrations In ug/L

		Sampling Point: Date Sampled: Date Extracted: Date Analyzed: Sticker No., ID: Depth Interval (ft):			
		MW-53 *	MW-53 1)	MW-53 2)	MW-56
		12 JAN 87	15 APR 87	15 APR 87	15 APR 87
		23 JAN 87	22 APR 87	22 APR 87	22 APR 87
		30 JAN 87	12 MAY 87	12 MAY 87	12 MAY 87
		293, E1	723, E1	724, E2	732
		7	5	5	BLANK
Compound	Detection Limit (ug/L)				
Aldrin	10	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 293, E1 (MW-53)

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE R-6

PETROLEUM HYDROCARBONS (WATER)

TABLE R-6. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 1 of 1

Petroleum Hydrocarbons (Water); Method E418.1; Concentrations in mg/L

Sampling Point:		MW-50	MW-51	MW-52	MW-53
Date Sampled:		7 JAN 87	12 JAN 87	13 JAN 87	12 JAN 87
Date Extracted:		13 JAN 87	28 JAN 87	28 JAN 87	28 JAN 87
Date Analyzed:		13 JAN 87	28 JAN 87	28 JAN 87	28 JAN 87
Sticker No., ID:		111, C	269, C	280, C	290, C
Depth Interval (ft):		16	8	7	7
Compound	Detection Limit (mg/L)				
Hydrocarbons	2.0	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

* = Invalid Data

APPENDIX S

INORGANIC RESULTS - SITE 5
(DPDO WASTE STORAGE AREA)

TABLE S-1
ALKALINITY (WATER)

TABLE S-1. RESULTS OF WATER ANALYSES; OPDO STORAGE AREA; p. 1 of 1

Alkalinity (Water); Method A403; Concentration in mg/L CaCO_3

Sampling Point:
Date Sampled:
Date Analyzed:
Sticker No., ID:
Depth Interval (ft):

Compound	Detection Limit (mg/L)
Alkalinity	10

MW-54 *	MW-54	MW-62 *	MW-61 1)	MW-07 1)
23 JAN 87	2 MAR 87	23 JAN 87	2 MAR 87	23 JAN 87
20 FEB 87	9 MAR 87	20 FEB 87	9 MAR 87	20 FEB 87
470	545, KI	475	567, KI	534
	15		15	BLANK
BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Duplicate Sample Analyzed
* = Invalid Data

TABLE S-2

COMMON ANIONS (WATER)

TABLE S-2. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA: p. 1 of 1

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:		MW-54	MW-54 ¹⁾
Date Sampled:		23 JAN 87	22 APR 87
Date Analyzed:		2 FEB 87	23 APR 87
Sticker No., ID:		462, J	730, K
Depth Interval (ft):		14	9
Compound	Detection Limit (mg/L)		
Fluoride	0.01	0.033	
Chloride	0.01	4.352	
Nitrate	0.03	4.678*	2.245
Phosphate	0.50	BDL*	BDL
Bromide	0.05	0.169	
Nitrite	0.05	BDL*	BDL
Sulfate	0.05	14.066	

BDL = Below Detection Limits

1) = Resampled and Analyzed for Anions that Exceeded Holding Times

* = Invalid Data

TABLE S-3

TOTAL CYANIDE (WATER)

TABLE S-3. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Total Cyanide (Water); Method 335.2; Concentration mg/L

Sampling Point:
Date Sampled:
Date Analyzed:
Sticker No., ID:
Depth Interval (ft):

Compound Detection
Limit (mg/L)

Cyanide 0.02

1)* MW-54 2 FEB 87 9 FEB 87 538, N 14	1)* MW-62 2 FEB 87 9 FEB 87 473, N Blank	MW-54 22 APR 87 24 APR 87 731	MW-62 22 APR 87 24 APR 87 134 Blank
BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and analyzed for compounds that
exceed holding time

* = Invalid Data

TABLE S-4

THIRTEEN PRIORITY POLLUTANTS METALS (WATER)

TABLE S-4. RESULTS OF WATER ANALYSES;DPDO STORAGE AREA; p. 1 of 1

Thirteen Priority Pollutant Metals (Water); Concentrations in mg/L

Sampling Point:			MW-54	MW-60	MW-62
Date Sampled:			23 JAN 87	21 JAN 87	23 JAN 87
Date Analyzed:			8 FEB 87	8 FEB 87	8 FEB 87
Sticker No., ID:			464, L	447, L	472, L
Depth Interval (ft):			14	(Blank)	(Blank)
Compound	Detection Limit (mg/L)	Methods			
Arsenic	0.002	E206.2	BDL	BDL	BDL
Antimony	0.009	E204.2	BDL	BDL	BDL
Beryllium	0.0012	E200.7	BDL	BDL	BDL
Cadmium	0.006	E200.7	0.008	BDL	BDL
Chromium	0.008	E200.7	BDL	BDL	BDL
Copper	0.014	E200.7	BDL	BDL	BDL
Lead	0.005	E200.7	0.100	BDL	BDL
Mercury	0.0002	E245.1	BDL	BDL	BDL
Nickel	0.004	E200.7	BDL	BDL	BDL
Selenium	0.004	E270.2	BDL	BDL	BDL
Silver	0.007	E200.7	0.116	BDL	BDL
Thallium	0.002	E200.7	BDL	BDL	BDL
Zinc	0.003	E200.7	BDL	BDL	BDL

BDL = Below Detection Limit

TABLE S-5

TOTAL DISSOLVED SOLIDS (WATER)

TABLE S-5. RESULTS OF WATER ANALYSES; DPOO STORAGE AREA; p. 1 of 1

Total Dissolved Solids (Water); Method E160.1; Concentrations in mg/L

<u>Sampling Point</u>	<u>Depth Interval (ft)</u>	<u>Sticker No., ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>TDS (mg/L)</u>
MW-54	14	468, P	23 JAN 87	5 FEB 87	18*

Note: Detection Limits achieved for TDS = ± 5.0 mg/L

* = Invalid Data

TABLE S-6
TOTAL CYANIDE (SOIL)

TABLE S-6. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 1 of 3

Total Cyanide (Soils); Method 335.2; Concentrations in mg/Kg

Sampling Point:	SB-55 *	SB-55 1)	SB-55 *	SB-55 1)	SB-55 *	SB-55 1)	SB-55 2) *	SB-55 2) *
Date Sampled:	13 NOV 86	13 APR 87	13 NOV 86	13 APR 87	13 NOV 86	13 APR 87	13 NOV 86	13 NOV 86
Date Analyzed:	12 DEC 87	14 APR 87	12 DEC 86	14 APR 87	12 DEC 86	14 APR 87	12 DEC 86	12 DEC 86
Sticker No., ID:	54, B	569, D	58, B	755, D	62, D	753, D	66, D	68, D
Depth Interval (ft):	1-3	0-2	3-5	3-5	9-11	9-11	11-13	13-15
Detection Compound Limit (mg/Kg)								
Cyanide 0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Depth Interval Not Originally Required for Sampling; Below Water Table.

* = Invalid Data

TABLE S-6. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 2 of 3

Total Cyanide (Soils); Method 335.2; Concentrations in mg/Kg

Sampling Point:	SB-56 *	SB-56 1)	SB-56 *	SB-56 1)	SB-56 *	SB-56 1)	SB-56 2) *
Date Sampled:	12 NOV 86	14 APR 87	12 NOV 86	14 APR 87	12 NOV 86	23 APR 87	12 NOV 86
Date Analyzed:	12 DEC 86	15 APR 87	12 DEC 86	15 APR 87	12 DEC 86	24 APR 87	12 DEC 86
Sticker No., ID:	22, 0	571, 0	26, 0	756, 0	30, 0	757, 0	34, 0
Depth Interval (ft):	0-2	0-2	3-5	3-5	8-10	8-10	13-15
Detection Compound Limit (mg/Kg)							
Cyanide 0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Depth Interval Not Originally Required for Sampling; Below Water Table

* = Invalid Data

TABLE S-6. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 3 of 3

Total Cyanide (Soils); Method 335.2; Concentration in mg/Kg

Sampling Point:	SB-57 *	SB-57 1)	SB-57 *	SB-57 *	SB-57 2) *	SB-57 1)
Date Sampled:	13 NOV 86	13 APR 87	13 NOV 86	13 NOV 86	13 NOV 86	22 APR 87
Date Analyzed:	12 DEC 86	14 APR 87	12 DEC 86	12 DEC 86	12 DEC 86	23 APR 87
Sticker No., ID:	33, D	573, D	42, D	46, D	50, D	607, D
Depth Interval (ft):	2-4	0-2	4-6	9-11	11-13	13-15
Detection Compound Limit (mg/Kg)						
Cyanide 0.5	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compound that Exceeded Holding Times

2) = Depth Interval Not Originally Required for Sampling; Below Water Table

* = Invalid Data

TABLE S-7

THIRTEEN PRIORITY POLLUTANTS (SOIL)

TABLE S-7. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 1 of 3

Thirteen Priority Pollutant Metals (Soil); Concentrations in mg/Kg

Sampling Point:			SB-55			
Date Sampled:			13 NOV 86			
Date Analyzed			12 DEC 86			
Sticker No., ID:			54, D	58, D	62, D	66, D
Depth Interval (ft):			1-3	3-5	9-11	11-13
Species	Detection Limits (mg/Kg)	Methods				
Iron 1)	4.50	SW6010	12,800	9,350	2,170	15,700
Aluminum 1)	4.00	SW6010	31,100	19,000	2,600	1,970
Antimony	0.90	SW7041	20	337	12.60	16.40
Lead	3.50	SW6010	7.81	BDL	BDL	BDL
Nickel	1.00	SW6010	5.22	BDL	BDL	BDL
Copper	0.90	SW6010	2.80	BDL	BDL	BDL
Zinc	0.30	SW6010	3.91	6.83	13.50	18.10
Beryllium	0.12	SW6010	0.280	0.251	0.240	0.208
Silver	0.60	SW6010	BDL	3.28	3.00	2.96
Cadmium	0.34	SW6010	BDL	BDL	BDL	2.67
Chromium	0.80	SW6010	21.50	28.80	4.10	15.50
Thallium	0.20	SW7841	BDL	BDL	BDL	BDL
Arsenic	0.13	SW7060	3.373	2.554	BDL	2.130
Selenium	0.22	SW7740	0.488	BDL	BDL	0.231
Mercury	0.10	SW7471	BDL*	BDL*	BDL*	BDL*

BDL = Below Detection Limits

1) = Not priority pollutant metals

* = Invalid Data

TABLE S-7. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 2 of 3

Thirteen Priority Pollutant Metals (Soil); Concentrations in mg/Kg

Sampling Point:			SB-56				
Date Sampled:			12 NOV 86				
Date Analyzed:			12 DEC 86				
Sticker No., ID:			22, D	26, D	30, D	30, D	34, D
Depth Interval (ft):			0-2	3-5	8-10	8-10	13-15
			1)				
Species	Detection Limits (mg/Kg)	Methods					
Iron 2)	4.50	SW6010	2,480	7,240	10,400	10,600	15,100
Aluminum 2)	4.00	SW6010	4,970	22,000	7,060	7,090	2,150
Antimony	0.90	SW7041	BDL	BDL	BDL	8.22	8.51
Lead	3.50	SW6010	82.90	7.34	BDL	BDL	6.29
Nickel	1.00	SW6010	BDL	3.16	BDL	BDL	BDL
Copper	0.90	SW6010	6.21	BDL	BDL	BDL	3.96
Zinc	0.30	SW6010	36.40	4.22	BDL	BDL	BDL
Beryllium	0.12	SW6010	0.165	0.241	0.250	BDL	0.164
Silver	0.60	SW6010	BDL	BDL	BDL	BDL	BDL
Cadmium	0.34	SW6010	0.37	BDL	BDL	BDL	BDL
Chromium	0.80	SW6010	12.10	11.60	BDL	BDL	BDL
Thallium	0.20	SW7841	BDL	BDL	BDL	BDL	BDL
Arsenic	0.13	SW7060	0.804	2.296	2.043	BDL	2.958
Selenium	0.22	SW7740	0.226	BDL	0.347	1.749	0.594
Mercury	0.10	SW7471	BDL*	BDL*	BDL*	---	BDL*

BDL = Below Detection Limits

1) = In-House RTI Duplicate of SB-56, 30, D, 8-10 ft.

2) = Not priority pollutant metals

* = Invalid Data

TABLE S-7. RESULTS OF SOIL ANALYSES; OPDO STORAGE AREA; p. 3 of 3

Thirteen Priority Pollutant Metals (Soil); Concentrations in mg/Kg

Sampling Point:			SB-57				
Date Sampled:			13 NOV 86				
Date Analyzed:			12 DEC 86				
			1)				
Sticker No., ID:			38, D	42, D	68, D	46, D	50, D
Depth Interval (ft):			2-4	4-6	13-15	9-11	11-13
Species	Detection Limits (mg/Kg)	Methods					
Iron 2)	4.50	SW6010	1,340	5,800	6,110	3,060	1,170
Aluminum 2)	4.00	SW6010	1,930	12,500	16,000	17,400	4,760
Antimony	0.90	SW7041	10.40	9.58	20.10	7.71	50.30
Lead	3.50	SW6010	BDL	BDL	BDL	BDL	BDL
Nickel	1.00	SW6010	BDL	BDL	BDL	BDL	BDL
Copper	0.90	SW6010	BDL	BDL	BDL	BDL	BDL
Zinc	0.30	SW6010	BDL	27.60	6.24	7.71	11.40
Beryllium	0.12	SW6010	BDL	0.230	0.297	0.158	0.130
Silver	0.60	SW6010	BDL	BDL	---	BDL	2.79
Cadmium	0.34	SW6010	BDL	BDL	0.60	BDL	0.60
Chromium	0.80	SW6010	BDL	5.49	13.60	12.80	5.29
Thallium	0.20	SW7841	BDL	BDL	BDL	BDL	BDL
Arsenic	0.13	SW7060	0.080	1.102	1.567	0.914	BDL
Selenium	0.22	SW7740	BDL	BDL	0.296	BDL	BDL
Mercury	0.10	SW7471	BDL*	BDL*	BDL*	BDL*	BDL*

BDL = Below Detection Limits

1) = Blind Duplicate of SB-57, 42, D; 4-6 ft.

2) = Not priority pollutant metals

* = Invalid Data

TABLE S-8
TOTAL CYANIDE (SEDIMENT)

Total Cyanide (Sediment); Method 335.2; Concentrations in mg/Kg

BDL = Below Detection Limit
 1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
 * = Invalid Data

TABLE S-9

THIRTEEN PRIORITY POLLUTANT METALS (SEDIMENT)

TABLE S-9. RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Thirteen Priority Pollutant Metals (Sediment); Concentrations in mg/Kg

Sampling Point:		SD-14	SD-15
Date Sampled:		23 JAN 87	23 JAN 87
Date Analyzed:		9 FEB 87	9 FEB 87
Sticker No., ID:		360, C	362, C
Compound	Detection Limit (mg/Kg)		
Arsenic	0.13	1.40	0.81
Antimony	0.90	BDL	BDL
Beryllium	0.12	0.299	0.299
Cadmium	0.34	12.8	BDL
Chromium	0.80	8.87	6.68
Copper	0.90	43.3	6.08
Lead	3.50	150.0	28.3
Mercury	0.10	0.211	0.124
Nickel	1.00	13.4	9.07
Selenium	0.22	0.58	0.70
Silver	0.60	16.2	BDL
Thallium	0.20	BDL	BDL
Zinc	0.30	285.0	14.8

BDL = Below Detection Limit

TABLE S-10

COMMON ANIONS (SURFACE WATER)

TABLE S-10. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Anions (Surface Water); Method 429A; Concentrations in mg/L

		SW-12		SW-13	
Sampling Point:		SW-12	SW-12 ¹⁾	SW-13	SW-13 ¹⁾
Date Sampled:		28 JAN 87	22 APR 87	28 JAN 87	22 APR 87
Date Analyzed:		2 FEB 87	23 APR 87	3 FEB 87	23 APR 87
Sticker No., ID:		514, J	745, K	504, J	749, K
Compound	Detection Limit (mg/L)				
Fluoride	0.01	0.048		0.093	
Chloride	0.01	2.319		6.726	
Nitrate	0.03	BDL*	BDL	BDL*	BDL
Phosphate	0.60	0.688*	BDL	BDL*	BDL
Bromide	0.05	BDL		0.102	
Nitrite	0.05	0.171*	BDL	BDL*	BDL
Sulfate	0.05	16.231		57.118	

BDL = Below Detection Limits

1) = Resampled and Analyzed for Anions that Exceeded Holding Times

* = Invalid Data

TABLE S-11

TOTAL CYANIDE (SURFACE WATER)

TABLE S-11. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Total Cyanide (Surface Water); Method 335.2; Concentrations in mg/L

Sampling Point:		SW-12 *	SW-20 1) *	SW-12 2)	SW-20 2), 3)	SW-13 *	SW-13 2)
Date Sampled:		28 JAN 87	28 JAN 87	22 APR 87	22 APR 87	28 JAN 87	22 APR 87
Date Analyzed:		9 FEB 87	9 FEB 87	23 APR 87	23 APR 87	9 FEB 87	23 APR 87
Sticker No., ID:		518, N	536, O	746, R	751, O	508, N	750, N
Compound	Detection Limit (mg/L)						
Cyanide	0.02	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Blind Duplicate of 518, N (SW-12)

2) = Resampled and Analyzed for Compounds that Exceeded Holding Times

3) = Blind Duplicate of 746, R (SW-12)

* = Invalid Data

TABLE S-12

ALKALINITY (SURFACE WATER)

TABLE S-12. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA, p. 1 of 1

Alkalinity (Surface Water); Method A403; Concentration in mg/L CaCO₃

Compound	Detection Limit (mg/L)	Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID: SW-12 28 JAN 87 20 FEB 87 522 SW-12 2 MAR 87 9 MAR 87 564, A9 SW-13 28 JAN 87 20 FEB 87 512 SW-13 2 MAR 87 9 MAR 87 563, A9			
		BDL	BDL	BDL	BDL
Alkalinity	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

* = Invalid Data

TABLE S-13

TOTAL DISSOLVED SOLIDS (SURFACE WATER)

TABLE S-13. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Total Dissolved Solids (Surface Water); Method E160.1; Concentrations in mg/L

<u>Sampling Point</u>	<u>Sticker No., ID</u>	<u>Date Sampled</u>	<u>Date Analyzed</u>	<u>TDS (mg/L)</u>
SW-12	520, P	28 JAN 87	5 FEB 87	31 *
SW-13	510, P	28 JAN 87	5 FEB 87	101 *

Note: Detection Limits achieved for TDS = ± 5.0 mg/L

* = Invalid Data

TABLE S-14

THIRTEEN PRIORITY POLLUTANT METALS (SURFACE WATER)

TABLE S-14. RESULTS OF WATER ANALYSES; DPOO STORAGE AREA; p. 1 of 1
Thirteen Priority Pollutant Metals (Surface Water); Concentrations in mg/L

Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID:			SW-12 28 JAN 87 8 FEB 87 516, L	SW-13 28 JAN 87 8 FEB 87 506, L
Compound	Detection Limit (mg/L)	Methods		
Arsenic	0.002	E206.2	BDL	BDL
Antimony	0.009	E204.2	BDL	BDL
Beryllium	0.0012	E200.7	BDL	BDL
Cadmium	0.006	E200.7	0.008	0.012
Chromium	0.008	E200.7	BDL	BDL
Copper	0.014	E200.7	BDL	BDL
Lead	0.005	E200.7	BDL	BDL
Mercury	0.0002	E245.1	BDL	BDL
Nickel	0.004	E200.7	BDL	BDL
Selenium	0.004	E270.2	BDL	BDL
Silver	0.007	E200.7	BDL	BDL
Thallium	0.002	E200.7	BDL	BDL
Zinc	0.003	E200.7	0.153	0.025

BDL = Below Detection Limit

APPENDIX T

ORGANIC RESULTS - SITE 5
(DPDO WASTE STORAGE AREA)

TABLE T-1

ACID EXTRACTABLES (WATER)

TABLE T-1. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

Sampling Point:		MW-54 *	MW-56 *	MW-54 1)	MW-54 2)	MW-56
Date Sampled:		13 JAN 87	12 JAN 87	22 APR 87	22 APR 87	22 APR 87
Date Extracted:		27 JAN 87	23 JAN 87	28 APR 87	28 APR 87	28 APR 87
Date Analyzed:		30 JAN 87	30 JAN 87	30 MAY 87	30 MAY 87	29 MAY 87
Sticker No., ID:		309, G	263, E2	727, G1	728, G2	733
Depth Interval (ft):		15	(Blank)	9	9	BLANK
Compound	Detection Limits (ug/L)					
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE T-2

AROMATIC VOLATILE ORGANICS (WATER)

TABLE T-2. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Sampling Point:		MW-54 *	MW-56 *	MW-54 1)	MW-54 2)
Date Sampled:		13 JAN 87	12 JAN 87	2 MAR 87	2 MAR 87
Date Analyzed:		23 JAN 87	23 JAN 87	3 MAR 87	3 MAR 87
Sticker No., ID:		297, A1	252, A1	77, A1	78, A3
Depth Interval (ft):		15	(Blank)	15	15
Compound	Detection Limit (ug/L)				
Benzene	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Ethylbenzene	1.0	BDL	BDL	BDL	BDL
Toluene	1.0	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 297, A1 (MW-54)

2) = Second Column Confirmation of 77, A1 (MW-54)

* = Invalid Data

TABLE T-3

BASE/NEUTRAL EXTRACTABLES (WATER)

TABLE T-3. RESULTS OF WATER ANALYSES; DPOO STORAGE AREA; p. 1 of 1

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		MW-54 *	MW-56 *	MW-54 1)	MW-54 2)
Date Sampled:		13 JAN 87	12 JAN 87	22 APR 87	22 APR 87
Date Extracted:		27 JAN 87	23 JAN 87	28 APR 87	28 APR 87
Date Analyzed:		30 JAN 87	30 JAN 87	30 MAY 87	30 MAY 87
Sticker No., ID:		308, GI	262, EI	727, GI	728, G2
Depth Interval (ft):		12	(Blank)	9	9
Compound	Detection Limit (ug/L)				
Acenaphthene	25	BDL	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	43	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	38	BDL
Fluoranthene	10	BDL	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE T-4

HALOGENATED VOLATILE ORGANICS (WATER)

TABLE T-4. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID: Depth Interval (ft):		MW-54 13 JAN 87 23 JAN 87 298, A2 15	MW-56 12 JAN 87 23 JAN 87 253, A2 (Blank)	1) MW-54 2 MAR 87 3 MAR 87 77, A2 15	2) MW-54 2 MAR 87 3 MAR 87 77, A4 15
Compound	Detection Limit (ug/L)				
Bromo-dichloromethane	1.0	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL
2-Chlorethylvinyl Ether	1.0	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	3.8	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	4.2	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	6.0	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	BDL	12.0	12.0
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	7.5	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	4.5	BDL	25.0	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL
Trichloroethene	1.0	10.0	BDL	79.0	22.0

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second
column confirmation was omitted from 298, A2 (MW-54)

2) = Second Column Confirmation of 77, A2 (MW-54)

* = Invalid Data

TABLE T-5

NON-HALOGENATED VOLATILE ORGANICS (WATER)

TABLE T-5. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Non-Halogenated Volatile Organics (Water); Method SW 8015; Concentration in ug/L

Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID: Depth Interval (ft):		MW-54 13 JAN 87 23 JAN 87 301, C1 15	MW-58 13 JAN 87 23 JAN 87 312, C1 Blank
Compound	Detection Limit (ug/L)		
Acrylamide	<10	BDL	BDL
Carbon Disulfide	<10	BDL	BDL
Diethyl Ether	<10	BDL	BDL
Methyl Ethyl Ketone	<10	BDL	BDL
Methyl Isobutyl Ketone	<10	BDL	BDL
Paraldehyde	<10	BDL	BDL

BDL = Below Detection Limit

TABLE T-6

PCB'S AND PESTICIDES (WATER)

TABLE T-6. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

		*		1)	2)	
Sampling Point:		MW-54	MW-56	MW-54	MW-54	MW-56
Date Sampled:		13 JAN 87	12 JAN 87	22 APR 87	22 APR 87	22 APR 87
Date Extracted:		17 JAN 87	23 JAN 87	28 APR 87	28 APR 87	28 APR 87
Date Analyzed:		30 JAN 87	30 JAN 87	30 MAY 87	30 MAY 87	29 MAY 87
Sticker No., ID:		308, G1	262, E1	727, G1	728, G2	733
Depth Interval (ft):		15	(Blank)	9	9	BLANK
Compound	Detection Limit (ug/L)					
Aldrin	10	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE T-7

PETROLEUM HYDROCARBONS (WATER)

TABLE T-7. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1
 Petroleum Hydrocarbons (Water); Method E418.1; Concentrations in mg/L

Sampling Point:		MW-54	MW-56
Date Sampled:		13 JAN 87	12 JAN 87
Date Extracted:		28 JAN 87	27 JAN 87
Date Analyzed		28 JAN 87	27 JAN 87
Sticker No., ID:		306, E	256, C
Depth Interval (ft):		15	Blank
Compound	Detection Limit (mg/L)		
Hydrocarbons	2.0	BOL	BOL

BOL = Below Detection Limit
 * = Invalid Data

TABLE T-8

ACID EXTRACTABLES (SOIL)

TABLE T-8. RESULTS OF SOIL ANALYSES; DPOO STORAGE AREA; p. 1 of 3

Acid Extractables (Soil); Method SW3550/SW8270; Concentrations in mg/Kg

Sampling Point:		SB-55	SB-55	SB-55	SB-55	SB-55	SB-55	SB-55
Date Sampled:		13 NOV 86	13 APR 87	13 NOV 86	13 APR 87	13 NOV 86	13 APR 87	13 NOV 86
Date Extracted:		25 NOV 86	24 APR 87	25 NOV 86	24 APR 87	25 NOV 86	24 APR 87	25 NOV 86
Date Analyzed:		8 JAN 87	11 MAY 87	8 JAN 87	11 MAY 87	8 JAN 87	11 MAY 87	8 JAN 87
Sticker No., ID:		52, B	568, B	56, B	752, B	60, B	754, B	64, B
Depth Interval (ft):		1-3	0-2	3-5	3-5	9-11	9-11	11-13
Compound	Detection Limits (mg/Kg)							
4-Chloro-3-Methylphenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	10.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	10.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

* = Invalid Data

TABLE T-8. RESULTS OF SOIL ANALYSES; OPDO STORAGE AREA; p. 2 of 3

Acid Extractables (Soil); Method SW3550/SW8270; Concentrations in mg/Kg

Sampling Point:		1) *	2)				
Date Sampled:		SB-56	SB-56	SB-56	SB-56	SB-56	SB-56
Date Extracted:		12 NOV 86	13 APR 87	12 NOV 86	12 NOV 86	12 NOV 86	12 NOV 86
Date Analyzed:		24 NOV 86	24 APR 87	24 NOV 86	24 NOV 86	24 NOV 86	24 NOV 86
Sticker No., ID:		5 JAN 86	11 MAY 87	23 DEC 86	23 DEC 86	23 DEC 86	23 DEC 86
Depth Interval (ft):		20, B	570, B	24, B	28, B	32, B	67, B
		0-2	0-2	3-5	8-10	13-15	15-18
Compound	Detection Limits (mg/Kg)						
4-Chloro-3-Methylphenol	1.0	BOL	BOL	BOL	BOL	BOL	BOL
2-Chlorophenol	1.0	BOL	BOL	BOL	BOL	BOL	BOL
2,4-Dichlorophenol	1.0	BOL	BOL	BOL	BOL	BOL	BOL
2,4-Dimethylphenol	1.0	BOL	BOL	BOL	BOL	BOL	BOL
2,4-Dinitrophenol	10.0	BOL	BOL	BOL	BOL	BOL	BOL
2-Methyl-4,6-Dinitrophenol	10.0	BOL	BOL	BOL	BOL	BOL	BOL
2-Nitrophenol	1.0	BOL	BOL	BOL	BOL	BOL	BOL
4-Nitrophenol	1.0	BOL	BOL	BOL	BOL	BOL	BOL
Pentachlorophenol	1.0	BOL	BOL	BOL	BOL	BOL	BOL
Phenol	1.0	BOL	BOL	BOL	BOL	BOL	BOL
2,4,6-Trichlorophenol	1.0	BOL	BOL	BOL	BOL	BOL	BOL

BOL = Below Detection Limits

1) = Detection Limit 10 Times that Indicated on this Page

2) = Resampled and Analyzed for Compounds that Exceeded Holding Times

* = Invalid Data

TABLE T-8. RESULTS OF SOIL ANALYSES; DPOO STORAGE AREA; p. 3 of 3

Acid Extractables (Soil); Method SW3550/SW8270; Concentrations in mg/Kg

Sampling Point:		1) SB-57	2)* SB-57	SB-57*		
Date Sampled:		13 NOV 86	13 NOV 86	13 NOV 86		
Date Extracted:		24 NOV 86	24 NOV 86	24 NOV 86		
Date Analyzed:		23 DEC 86	12 JAN 87	5 JAN 87		
Sticker No., ID:		35, B	36, B	40, B	44, B	48, B
Depth Interval (ft):		0-2	2-4	4-6	9-11	11-13
Compound	Detection Limits (mg/Kg)					
4-Chloro-3-Methylphenol	1.0	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	1.0	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	1.0	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	1.0	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	10.0	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	10.0	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	1.0	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	1.0	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	1.0	BDL	BDL	BDL	BDL	BDL
Phenol	1.0	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	1.0	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Detection Limit 10 Times That Indicated on This Page

2) = Detection Limit 20 Times That Indicated on This Page

* = Invalid Data

TABLE T-9

AROMATIC VOLATILE ORGANICS (SOIL)

TABLE T-9. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 1 of 3

Aromatic Volatile Organics (Soil); Method 602; Concentrations in mg/Kg

Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID: Depth Interval (ft):		SB-55 13 NOV 86 20 NOV 86 52, B 1-3	SB-55* 13 NOV 86 20 NOV 86 56, B 3-5	SB-55 ¹⁾ 13 APR 87 16 APR 87 752, B 3-5	SB-55* 13 NOV 86 20 NOV 86 60, B 9-11	SB-55 ¹⁾ 13 APR 87 16 APR 87 754, B 9-11	SB-55 13 NOV 86 20 NOV 86 64, B 11-13
Compound	Detection Limits (mg/Kg)						
Benzene	0.001	BDL	BDL	BDL	0.002	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.001	BDL	0.018	BDL	BDL	BDL	BDL
Toluene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Xylene ²⁾	0.001	BDL	0.0028	---	BDL	---	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Analyzed by Method 8020

* = Invalid Data

TABLE T-9. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 2 of 3

Aromatic Volatile Organics (Soil); Method 602; Concentrations in mg/Kg

Sampling Point:		SB-56				
Date Sampled:		12 NOV 1986				
Date Analyzed:		19, 20 NOV 1986				
Sticker No., ID:		20, B	24, B	28, B	32, B	67, B
Depth Interval (ft):		0-2	3-5	8-10	13-15	15-18
Compound	Detection Limits (mg/Kg)					
Benzene	0.001	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.001	BDL	BDL	BDL	BDL	BDL
Toluene	0.001	BDL	BDL	BDL	BDL	BDL
Xylene 1)	0.001	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Analyzed by Method 8020

TABLE T-9. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 3 of 3

Aromatic Volatile Organics (Soil); Method 602; Concentrations in mg/Kg

Sampling Point: Date Sampled: Date Analyzed:		* SB-57 13 NOV 86 20 NOV 86		1) SB-57 13 APR 87 16 APR 87		SB-57 13 NOV 86 20 NOV 86			
Sticker No., ID: Depth Interval (ft):		35, B 0-2		572, B 0-2		36, B 2-4	40, B 4-6	44, B 9-11	44, B 11-13
Compound	Detection Limits (mg/Kg)								
Benzene	0.001	0.0018		BDL		0.001*	BDL	BDL	BDL
Chlorobenzene	0.001	BDL		BDL		BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL		BDL		BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL		BDL		BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL		BDL		BDL	BDL	BDL	BDL
Ethylbenzene	0.001	BDL		BDL		BDL	BDL	BDL	BDL
Toluene	0.001	BDL		BDL		BDL	BDL	BDL	BDL
Xylene 2)	0.001	BDL		BDL		BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and analyzed by Method 8020

* = Invalid Data

TABLE T-10

HALOGENATED VOLATILE ORGANICS (SOIL)

TABLE T-10. RESULTS OF SOIL ANALYSES; DPOO STORAGE AREA; p. 1 of 3

Halogenated Volatile Organics (Soil); Method 601; Concentrations in mg/Kg

Sampling Point: Date Sampled: Date Analyzed:		SB-55 13 NOV 86 20 NOV 86			
Sticker No., ID: Depth Interval (ft):		52, B 1-3	56, B 3-5	60, B 9-11	64, B 11-13
Compound	Detection Limits (mg/Kg)				
Benzyl Chloride	0.001	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy)Methane	0.001	BDL	BDL	BDL	BDL
Bis (2-chloroisopropyl)Ether	0.001	BDL	BDL	BDL	BDL
Bromobenzene	0.001	BDL	BDL	BDL	BDL
Bromodichloromethane	0.001	BDL	BDL	BDL	BDL
Bromoform	0.001	BDL	BDL	BDL	BDL
Bromomethane	0.001	BDL	BDL	BDL	BDL
Carbon Tetrachloride	0.001	BDL	BDL	BDL	BDL
Chloroacetaldehyde	0.001	BDL	BDL	BDL	BDL
Chloral	0.001	BDL	BDL	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL
Chloroethane	0.001	BDL	BDL	BDL	BDL
Chloroform	0.001	BDL	BDL	BDL	BDL
1-Chlorohexane	0.001	BDL	BDL	BDL	BDL
2-Chloroethyl Vinyl Ether	0.001	BDL	BDL	BDL	BDL
Chloromethane	0.001	BDL	BDL	BDL	BDL
Chloromethyl Methyl Ether	0.001	BDL	BDL	BDL	BDL
Chlorotoluene	0.001	BDL	BDL	BDL	BDL
Dibromochloromethane	0.001	BDL	BDL	BDL	BDL
Dibromomethane	0.001	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	0.001	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.001	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.001	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.001	BDL	BDL	BDL	BDL
Trans-1,2-Dichloroethylene	0.001	BDL	BDL	BDL	BDL
Dichloromethane	0.001	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.001	BDL	BDL	BDL	BDL
1,3-Dichloropropylene	0.001	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.001	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.001	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.001	BDL	BDL	BDL	BDL
Trichloroethylene	0.001	BDL	BDL	BDL	BDL
Trichlorofluoromethane	0.001	BDL	BDL	BDL	BDL
Trichloropropane	0.001	BDL	BDL	BDL	BDL
Vinyl Chloride	0.001	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

TABLE T-10. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 2 of 3

Halogenated Volatile Organics (Soil); Method 601; Concentrations in mg/Kg

Sampling Point: Date Sampled: Date Analyzed:		SB-56 13 NOV 86 19 NOV 86				
Sticker No., ID: Depth Interval (ft):		20, B 0-2	24, B 3-5	28, B 8-10	32, B 13-15	67, B 15-18
Compound	Detection Limits (mg/Kg)					
Benzyl Chloride	0.001	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy)Methane	0.001	BDL	BDL	BDL	BDL	BDL
Bis (2-chloroisopropyl)Ether	0.001	BDL	BDL	BDL	BDL	BDL
Bromobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.001	BDL	BDL	BDL	BDL	BDL
Bromoform	0.001	BDL	BDL	BDL	BDL	BDL
Bromomethane	0.001	BDL	BDL	BDL	BDL	BDL
Carbon Tetrachloride	0.001	BDL	BDL	BDL	BDL	BDL
Chloroacetaldehyde	0.001	BDL	BDL	BDL	BDL	BDL
Chloral	0.001	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Chloroethane	0.001	BDL	BDL	BDL	BDL	BDL
Chloroform	0.001	BDL	BDL	BDL	BDL	BDL
1-Chlorohexane	0.001	BDL	BDL	BDL	BDL	BDL
2-Chloroethyl Vinyl Ether	0.001	BDL	BDL	BDL	BDL	BDL
Chloromethane	0.001	BDL	BDL	BDL	BDL	BDL
Chloromethyl Methyl Ether	0.001	BDL	BDL	BDL	BDL	BDL
Chlorotoluene	0.001	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	0.001	BDL	BDL	BDL	BDL	BDL
Dibromomethane	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
Trans-1,2-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
Dichloromethane	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.001	BDL	BDL	BDL	BDL	BDL
1,3-Dichloropropylene	0.001	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	0.001	BDL	BDL	BDL	BDL	BDL
Trichloropropane	0.001	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.001	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

TABLE T-10. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 3 of 3

Halogenated Volatile Organics (Soil); Method 601; Concentrations in mg/Kg

Sampling Point: Date Sampled: Date Analyzed:		SB-57 13 NOV 86 20 NOV 86				
Sticker No., ID: Depth Interval (ft):		35, B 0-2	36, B 2-4	40, B 4-6	44, B 9-11	48, B 11-13
Compound	Detection Limits (mg/Kg)					
Benzyl Chloride	0.001	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy)Methane	0.001	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl)Ether	0.001	BDL	BDL	BDL	BDL	BDL
Bromobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.001	BDL	BDL	BDL	BDL	BDL
Bromoform	0.001	BDL	BDL	BDL	BDL	BDL
Bromomethane	0.001	BDL	BDL	BDL	BDL	BDL
Carbon Tetrachloride	0.001	BDL	BDL	BDL	BDL	BDL
Chloroacetaldehyde	0.001	BDL	BDL	BDL	BDL	BDL
Chloral	0.001	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Chloroethane	0.001	BDL	BDL	BDL	BDL	BDL
Chloroform	0.001	BDL	BDL	BDL	BDL	BDL
1-Chlorohexane	0.001	BDL	BDL	BDL	BDL	BDL
2-Chloroethyl Vinyl Ether	0.001	BDL	BDL	BDL	BDL	BDL
Chloromethane	0.001	BDL	BDL	BDL	BDL	BDL
Chloromethyl Methyl Ether	0.001	BDL	BDL	BDL	BDL	BDL
Chlorotoluene	0.001	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	0.001	BDL	BDL	BDL	BDL	BDL
Dibromomethane	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
Trans-1,2-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
Dichloromethane	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.001	BDL	BDL	BDL	BDL	BDL
1,3-Dichloropropylene	0.001	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	0.001	BDL	BDL	BDL	BDL	BDL
Trichloropropane	0.001	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.001	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

TABLE T-11

BASE/NEUTRAL EXTRACTABLES (SOIL)

TABLE T-11. RESULTS OF SOIL ANALYSES; DPOO STORAGE AREA; p. 1 of 4

Base/Neutral Extractables (Soil); Method SW3550/625; Concentrations in mg/Kg

Sampling Point:		SB-55 *	SB-55 1)	SB-55 *	SB-55 1)
Date Sampled:		13 NOV 86	13 APR 87	13 NOV 86	13 APR 87
Date Extracted:		25 NOV 86	24 APR 87	25 NOV 86	24 APR 87
Date Analyzed:		8 JAN 87	11 MAY 87	8 JAN 87	11 MAY 87
Sticker No, ID:		52, B	568, B	56, B	752, B
Depth Interval (ft):		1-3	0-2	3-5	3-5
Compound	Detection Limits (mg/Kg)				
Acenaphthene	1.0	BDL	BDL	BDL	BDL
Acenaphthylene	0.40	BDL	BDL	BDL	BDL
Anthracene	0.40	BDL	BDL	BDL	BDL
Benzidine	0.40	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	0.40	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	0.40	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	0.40	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	1.0	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	0.40	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	0.40	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	0.40	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	0.40	BDL	BDL	BDL	BDL
Bis (2-ethylhexyl) Phthalate	0.40	1.0	3.0	BDL	5.3
4-Bromophenyl Phenyl Ether	0.40	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	0.40	BDL	BDL	BDL	BDL
2-Chloronaphthalene	0.40	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	0.40	BDL	BDL	BDL	BDL
Chrysene	0.40	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	0.40	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.40	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.40	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.40	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	0.40	BDL	BDL	BDL	BDL
Diethyl Phthalate	0.40	BDL	BDL	BDL	BDL
Dimethyl Phthalate	0.40	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	0.40	BDL	BDL	0.420	BDL
2,4-Dinitrotoluene	0.40	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	0.40	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	0.40	BDL	BDL	BDL	BDL
Fluoranthene	0.40	BDL	BDL	BDL	BDL
Fluorene	0.40	BDL	BDL	BDL	BDL
Hexachlorobenzene	0.40	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.40	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	0.40	BDL	BDL	BDL	BDL
Hexachloroethane	0.40	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	1.0	BDL	BDL	BDL	BDL
Isophorone	0.40	BDL	BDL	BDL	BDL
Naphthalene	0.40	BDL	BDL	BDL	BDL
Nitrobenzene	0.40	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	0.40	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	0.40	BDL	BDL	BDL	BDL
N-Nitroso-Niphenylamine	0.40	BDL	BDL	BDL	BDL
Phenanthrene	0.40	BDL	BDL	BDL	BDL
Pyrene	0.40	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.40	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

* = Invalid Data

TABLE T-11. RESULTS OF SOIL ANALYSES; OPDO STORAGE AREA; p. 2 of 4

Base/Neutral Extractables (Soil); Method SW3550/625; Concentrations in mg/Kg

		SB-55 *	SB-55 1)	SB-55 *
Sampling Point:		13 NOV 86	13 APR 87	13 NOV 86
Date Sampled:		25 NOV 86	24 APR 87	25 NOV 86
Date Extracted:		8 JAN 87	11 MAY 87	8 JAN 87
Date Analyzed:		60, B	754, B	64, B
Sticker No, ID:		9-11	9-11	11-13
Depth Interval (ft):				
Compound	Detection Limits (mg/Kg)			
Acenaphthene	1.0	BDL	BDL	BDL
Acenaphthylene	0.4	BDL	BDL	BDL
Anthracene	0.4	BDL	BDL	BDL
Benzidine	0.4	BDL	BDL	BDL
Benzo (a) Anthracene	0.4	BDL	BDL	BDL
Benzo (a) Pyrene	0.4	BDL	BDL	BDL
Benzo (b) Fluoranthene	0.4	BDL	BDL	BDL
Benzo (ghi) Perylene	1.0	BDL	BDL	BDL
Benzo (k) Fluoranthene	0.4	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	0.4	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	0.4	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	0.4	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	0.4	BDL	0.94	0.44
4-Bromophenyl Phenyl Ether	0.4	BDL	BDL	BDL
Benzyl Butyl Phthalate	0.4	BDL	BDL	BDL
2-Chloronaphthalene	0.4	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	0.4	BDL	BDL	BDL
Chrysene	0.4	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	0.4	BDL	BDL	BDL
1,2-Dichlorobenzene	0.4	BDL	BDL	BDL
1,3-Dichlorobenzene	0.4	BDL	BDL	BDL
1,4-Dichlorobenzene	0.4	BDL	BDL	BDL
3,3-Dichlorobenzidine	0.4	BDL	BDL	BDL
Diethyl Phthalate	0.4	BDL	BDL	BDL
Dimethyl Phthalate	0.4	BDL	BDL	BDL
Di-N-Butyl Phthalate	0.4	BDL	BDL	1.3
2,4-Dinitrotoluene	0.4	BDL	BDL	BDL
2,6-Dinitrotoluene	0.4	BDL	BDL	BDL
Di-N-Octylphthalate	0.4	BDL	BDL	BDL
Fluoranthene	0.4	BDL	BDL	BDL
Fluorene	0.4	BDL	BDL	BDL
Hexachlorobenzene	0.4	BDL	BDL	BDL
Hexachlorobutadiene	0.4	BDL	BDL	BDL
Hexachlorocyclopentadiene	0.4	BDL	BDL	BDL
Hexachloroethane	0.4	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	1.0	BDL	BDL	BDL
Isophorone	0.4	BDL	BDL	BDL
Naphthalene	0.4	BDL	BDL	BDL
Nitrobenzene	0.4	BDL	BDL	BDL
N-Nitrosodimethylamine	0.4	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	0.4	BDL	BDL	BDL
N-Nitrosodiphenylamine	0.4	BDL	BDL	BDL
Phenanthrene	0.4	BDL	BDL	BDL
Pyrene	0.4	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.4	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

* = Invalid Data

TABLE T-11. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 3 of 4

Base/Neutral Extractables (Soil); Method SW3550/625; Concentrations in mg/Kg

		1)	2)	SB-56			
Sampling Point:		SB-56	SB-56	SB-56			
Date Sampled:		12 NOV 86	13 APR 87	12 NOV 86			
Date Extracted:		24 NOV 86	24 APR 87	24 NOV 86			
Date Analyzed:		5 JAN 87	11 MAY 87	23 DEC 86			
Sticker No., ID:		20, B	570, B	24, B	28, B	32, B	67, B
Depth Interval (ft):		0-2	0-2	3-5	8-10	13-15	15-18
Compound	Detection Limits (mg/Kg)						
Acenaphthene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Acenaphthylene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Anthracene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Benzidine	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	0.4	BDL	3.2	0.89	4.1	BDL	BDL
4-Bromophenyl Phenyl Ether	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL	BDL
2-Chloronaphthalene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Chrysene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Dimethyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	0.4	BDL	BDL	BDL	BDL	BDL	0.69
Fluoranthene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Fluorene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Hexachloroethane	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Isophorone	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Nitrobenzene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	0.4	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	0.4	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Phenanthrene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Pyrene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Detection Limit is 10 Times That Indicated on This Page

2) = Resampled and Analyzed for Compounds that Exceeded Holding Times

* = Invalid Data

TABLE T-11. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 4 of 4

Base/Neutral Extractables (Soil); Method SW3550/625; Concentrations in mg/Kg

		1)	2)*	SB-57*		
Sampling Point:		SB-57	SB-57	SB-57*		
Date Sampled:		13 NOV 86	13 NOV 86	13 NOV 86		
Date Extracted:		24 NOV 86	24 NOV 86	24 NOV 86		
Date Analyzed:		23 DEC 86	12 JAN 87	5 JAN 87		
Sticker No., ID:		35, B	36, B	40, B	44, B	48, B
Depth Interval (ft):		0-2	2-4	4-6	9-11	11-13
Compound	Detection Limits (mg/Kg)					
Acenaphthene	1.0	BDL	BDL	BDL	BDL	BDL
Acenaphthylene	0.4	BDL	BDL	BDL	BDL	BDL
Anthracene	0.4	BDL	BDL	BDL	BDL	BDL
Benzidine	0.4	BDL	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	0.4	BDL	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	0.4	BDL	BDL	BDL	BDL	BDL
Benzo (h) Fluoranthene	0.4	BDL	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	1.0	BDL	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	0.4	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	0.4	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	0.4	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	0.4	BDL	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	0.4	24.0	BDL	1.5	BDL	BDL
4-Bromophenyl Phenyl Ether	0.4	BDL	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL
2-Chloronaphthalene	0.4	BDL	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	0.4	BDL	BDL	BDL	BDL	BDL
Chrysene	0.4	BDL	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	0.4	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	0.4	BDL	BDL	BDL	BDL	BDL
Diethyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL
Dimethyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	0.4	7.4	BDL	1.5	BDL	0.53
2,4-Dinitrotoluene	0.4	BDL	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	0.4	BDL	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	0.4	BDL	BDL	BDL	BDL	BDL
Fluoranthene	0.4	BDL	11.0	BDL	BDL	BDL
Fluorene	0.4	BDL	BDL	BDL	BDL	BDL
Hexachlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.4	BDL	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	0.4	BDL	BDL	BDL	BDL	BDL
Hexachloroethane	0.4	BDL	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	1.0	BDL	BDL	BDL	BDL	BDL
Isophorone	0.4	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.4	BDL	BDL	BDL	BDL	BDL
Nitrobenzene	0.4	BDL	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	0.4	BDL	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	0.4	BDL	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	0.4	BDL	BDL	BDL	BDL	BDL
Phenanthrene	0.4	BDL	BDL	BDL	BDL	BDL
Pyrene	0.4	BDL	10.0	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Detection Limit is 10 Times That Indicated on This Page

2) = Detection Limit is 20 Times that Indicated on This Page

* = Invalid Data

TABLE T-12

NON-HALOGENATED VOLATILE ORGANICS (SOIL)

TABLE T-12. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 1 of 3

Nonhalogenated Volatile Organics (Soil); Method SW5030/601; Concentrations in mg/Kg

Sampling Point:		SB-55*			
Date Sampled:		13 NOV 86			
Data Analyzed:		15 JAN 87			
Sticker No., ID:		52, B	56, B	60, B	64, B
Depth Interval (ft):		1-3	3-5	9-11	11-13
Compound	Detection Limits (mg/Kg)				
Acrylamide	0.010	BDL	BDL	BDL	BDL
Carbon Disulfide	0.100	BDL	BDL	BDL	BDL
Diethyl Ether	0.010	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	0.010	BDL	BDL	BDL	BDL
Methyl Isobutyl Ketone	0.010	BDL	BDL	BDL	BDL
Paraldehyde	0.100	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

* = Invalid Data

TABLE T-12. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 2 of 3

Nonhalogenated Volatile Organics (Soil); Method SW5030/601; Concentrations in mg/Kg

Sampling Point:		SB-56*				
Date Sampled:		12 NOV 1986				
Date Analyzed:		15 JAN 1987				
Sticker No., ID:		20, B	24, B	28, B	32, B	67, B
Depth Interval (ft):		0-2	3-5	8-10	13-15	15-18
Compound	Detection Limits (mg/Kg)					
Acrylamide	0.010	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	0.100	BDL	BDL	BDL	BDL	BDL
Diethyl Ether	0.010	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	0.010	BDL	BDL	BDL	BDL	BDL
Methyl Isobutyl Ketone	0.010	BDL	BDL	BDL	BDL	BDL
Paraldehyde	0.100	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

* = Invalid Data

TABLE T-12. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 3 of 3

Nonhalogenated Volatile Organics/Soil; Method SW5030/601; Concentrations in mg/Kg

Sampling Point:		SB-57*				
Date Sampled:		13 NOV 86				
Date Analyzed:		15 JAN 87				
Sticker No., ID:		35, B	36, B	40, B	41, B	48, B
Depth Interval (ft):		0-2	2-4	4-6	9-11	11-13
Compound	Detection Limits (mg/Kg)					
Acrylamide	0.010	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	0.100	BDL	BDL	BDL	BDL	BDL
Diethyl Ether	0.010	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	0.010	BDL	BDL	BDL	BDL	BDL
Methyl Isobutyl Ketone	0.010	BDL	BDL	BDL	BDL	BDL
Paraldehyde	0.100	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

* = Invalid Data

TABLE T-13

PCB'S AND PESTICIDES (SOIL)

TABLE T-13. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 1 of 3

PCB/Pesticides (Soil); Method 625P; Concentrations in mg/Kg

Sampling Point:		SB-55 *	SB-55 1)	SB-55 *	SB-55 1)	SB-55 *	SB-55 1)	SB-55 *
Date Sampled:		13 NOV 86	13 APR 87	13 NOV 86	13 APR 87	13 NOV 86	13 APR 87	13 NOV 86
Date Extracted:		25 NOV 86	24 APR 87	25 NOV 86	24 APR 87	25 NOV 86	24 APR 87	25 NOV 86
Date Analyzed:		8 JAN 87	11 MAY 87	8 JAN 87	11 MAY 87	9 JAN 87	11 MAY 87	9 JAN 87
Sticker No., ID:		52, B	568, B	56, B	752, B	60, B	754, B	64, B
Depth Interval (ft):		1-3	0-2	3-5	3-5	9-11	9-11	11-13
Compound	Detection Limits (mg/Kg)							
Aldrin	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Alpha-BHC	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Beta-BHC	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Delta-BHC	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Gamma-BHC	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

* = Invalid Data

TABLE T-13. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 2 of 3

PCB/Pesticides (Soil); Method 625P; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	Sampling Point: Date Sampled: Date Extracted: Date Analyzed: Sticker No., ID: Depth Interval (ft):	SB-56 12 NOV 86 24 NOV 86 5 JAN 87 20, B 0-2	SB-56 13 APR 87 24 APR 87 11 MAY 87 570, B 0-2	SB-56 12 NOV 86 24 NOV 86 23 DEC 86 24, B 3-5	SB-56 12 NOV 86 24 NOV 86 23 DEC 86 28, B 8-10	SB-56 12 NOV 86 24 NOV 86 23 DEC 86 32, B 13-15	SB-56 12 NOV 86 24 NOV 86 23 DEC 86 67, B 15-18
Aldrin	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Alpha-BHC	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Beta-BHC	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Delta-BHC	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Gamma-BHC	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	4.0		BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	4.0		BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	4.0		BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Endrin	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	4.0		BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	4.0		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	4.0		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	4.0		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	4.0		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	4.0		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	4.0		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	4.0		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	4.0		BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

* = Invalid Data

TABLE T-13. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 3 of 3

PCB/Pesticides (Soil); Method 625P; Concentrations in mg/Kg

Sampling Point:		SB-57	SB-57	SB-57	SB-57	SB-57
Date Sampled:		13 NOV 86	13 NOV 86	13 NOV 86	13 NOV 86	13 NOV 86
Date Extracted:		24 NOV 86	24 NOV 86	24 NOV 86	24 NOV 86	24 NOV 86
Date Analyzed:		23 DEC 86	12 JAN 87	5 JAN 87	5 JAN 87	5 JAN 87
Sticker No., ID:		35, B	36, B	40, B	44, B	48, B
Depth Interval (ft):		0-2	2-4	4-6	9-11	11-13
Compound	Detection Limits (mg/Kg)					
Aldrin	4.0	BDL	BDL	BDL	BDL	BDL
Alpha-BHC	4.0	BDL	BDL	BDL	BDL	BDL
Beta-BHC	4.0	BDL	BDL	BDL	BDL	BDL
Delta-BHC	4.0	BDL	BDL	BDL	BDL	BDL
Gamma-BHC	4.0	BDL	BDL	BDL	BDL	BDL
Chlordane	4.0	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	4.0	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	4.0	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	4.0	BDL	BDL	BDL	BDL	BDL
Dieldrin	4.0	BDL	BDL	BDL	BDL	BDL
Endosulfan I	4.0	BDL	BDL	BDL	BDL	BDL
Endosulfan II	4.0	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	4.0	BDL	BDL	BDL	BDL	BDL
Endrin	4.0	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	4.0	BDL	BDL	BDL	BDL	BDL
Heptachlor	4.0	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	4.0	BDL	BDL	BDL	BDL	BDL
Toxaphene	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1016	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1221	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1232	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1242	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1248	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1254	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1260	4.0	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

TABLE T-14

PETROLEUM HYDROCARBONS (SOIL)

TABLE T-14. RESULTS OF SOIL ANALYSES; DPOO STORAGE AREA; P. 1 of 1
Petroleum Hydrocarbon (Soil); Method 625P; Concentrations in mg/Kg

SB-55 13 NOV 86 1 JAN 87		SB-56 12 NOV 86 1 JAN 87		SB-57 13 NOV 86 1 JAN 87	
52, B	56, B	20, B	24, B	35, B	36, B
1-3	3-5	0-2	3-5	0-2	2-4
11-13	9-11	13-15	8-10	15-18	40, B
BDL	BDL	BDL	BDL	BDL	44, B
BDL	BDL	BDL	BDL	BDL	48, B
BDL	BDL	BDL	BDL	BDL	11-13
BDL	BDL	BDL	BDL	BDL	BDL

Sampling Point:
Date Sampled:
Date Analyzed:

Sticker No., ID:
Depth Interval (ft):

Species Detection
Limits (mg/Kg)

Hydrocarbons 25

BDL = Below Detection Limits

TABLE T-15

ACID EXTRACTABLES (SEDIMENT)

TABLE T-15. RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Acid Extractables (Sediment); Method 625 A; Concentrations in mg/Kg

		Sampling Point:	SD-14	SD-15
		Date Sampled:	23 JAN 87	23 JAN 87
		Date Extracted:	4 FEB 87	4 FEB 87
		Date Analyzed:	23 FEB 87	23 FEB 87
		Sticker No., ID:	379, A	385, A
Compound	Detection Limits (mg/Kg)			
4-Chloro-3-Methylphenol	1.250		BDL	BDL
2-Chlorophenol	1.250		BDL	BDL
2,4-Dichlorophenol	1.250		BDL	BDL
2,4-Dimethylphenol	1.250		BDL	BDL
2,4-Dinitrophenol	12.500		BDL	BDL
2-Methyl-4,6-Dinitrophenol	12.500		BDL	BDL
2-Nitrophenol	12.500		BDL	BDL
4-Nitrophenol	1.250		BDL	BDL
Pentachlorophenol	1.250		BDL	BDL
Phenol	1.250		BDL	BDL
2,4,6-Trichlorophenol	1.250		BDL	BDL

BDL = Below Detection Limits

TABLE T-16

AROMATIC VOLATILE ORGANICS (SEDIMENT)

TABLE T-16. RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA; p. 1 of 1
Aromatic Volatile Organics (Sediment); Method 602; Concentrations in mg/Kg

Compound	Detection Limit (mg/Kg)	Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID:	SD-14 28 JAN 87 4 FEB 87 379, A	SD-15 28 JAN 87 4 FEB 87 385, A
Benzene	0.001		BDL	BDL
Chlorobenzene	0.001		BDL	BDL
1,2-Dichlorobenzene	0.001		BDL	BDL
1,3-Dichlorobenzene	0.001		BDL	BDL
1,4-Dichlorobenzene	0.001		BDL	BDL
Ethylbenzene	0.001		BDL	BDL
Toluene	0.001		BDL	BDL
Xylene	0.001		BDL	BDL

BDL = Below Detection Limit

TABLE T-17

BASE/NEUTRAL EXTRACTABLES (SEDIMENT)

TABLE T-17. RESULTS OF SEDIMENT ANALYSES; DPOO STORAGE AREA; p. 1 of 1

Base/Neutral Extractables (Sediment); Method 625B/N; Concentrations in mg/Kg

		Sampling Site:	
		SD-14	SD-15
		23 JAN 87	23 JAN 87
		4 FEB 87	4 FEB 87
		23 FEB 87	23 FEB 87
		379, A	385, A
		Detection	
Compound	Limit (mg/Kg)		
Acenaphthene	1.250	BDL	BDL
Acenaphthylene	0.500	BDL	BDL
Anthracene	0.500	BDL	BDL
Benzidine	0.500	BDL	BDL
Benzo (a) Anthracene	0.500	BDL	BDL
Benzo (a) Pyrene	0.500	BDL	BDL
Benzo (b) Fluoranthene	0.500	BDL	BDL
Benzo (ghi) Perylene	1.250	BDL	BDL
Benzo (k) Fluoranthene	0.500	BDL	BDL
Bis (2-Chloroethoxy) Methane	0.500	BDL	BDL
Bis (2-Chloroethyl) Ether	0.500	BDL	BDL
Bis (2-Chloroisopropyl) Ether	0.500	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	0.500	BDL	BDL
4-Bromophenyl Phenyl Ether	0.500	BDL	BDL
Benzyl Butyl Phthalate	0.500	BDL	BDL
2-Chloronaphthalene	0.500	BDL	BDL
4-Chlorophenyl Phenyl Ether	0.500	BDL	BDL
Chrysene	0.500	BDL	BDL
Dibenzo (a,h) Anthracene	0.500	BDL	BDL
1,2-Dichlorobenzene	0.500	BDL	BDL
1,3-Dichlorobenzene	0.500	BDL	BDL
1,4-Dichlorobenzene	0.500	BDL	BDL
3,3-Dichlorobenzidine	0.500	BDL	BDL
Diethyl Phthalate	0.500	BDL	BDL
Dimethyl Phthalate	0.500	BDL	BDL
Di-N-Butyl Phthalate	0.500	BDL	BDL
2,4-Dinitrotoluene	0.500	BDL	BDL
2,6-Dinitrotoluene	0.500	BDL	BDL
Di-N-Octylphthalate	0.500	BDL	BDL
Fluoranthene	0.500	BDL	BDL
Fluorene	0.500	BDL	BDL
Hexachlorobenzene	0.500	BDL	BDL
Hexachlorobutadiene	0.500	BDL	BDL
Hexachlorocyclopentadiene	0.500	BDL	BDL
Hexachloroethane	0.500	BDL	BDL
Indeno (1,2,3-cd) Pyrene	1.250	BDL	BDL
Isophorone	0.500	BDL	BDL
Naphthalene	0.500	BDL	BDL
Nitrobenzene	0.500	BDL	BDL
N-Nitrosodimethylamine	0.500	BDL	BDL
N-Nitroso-Di-N-Propylamine	0.500	BDL	BDL
N-Nitrosodiphenylamine	0.500	BDL	BDL
Phenanthrene	0.500	BDL	BDL
Pyrene	0.500	BDL	BDL
1,2,4-Trichlorobenzene	0.500	BDL	BDL

BDL = Below Detection Limit

TABLE T-18

HALOGENATED VOLATILE ORGANICS (SEDIMENT)

TABLE T-18. RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Halogenated Volatile Organics (Sediments); Method 601; Concentrations in mg/Kg

		Sampling Point:	
		Date Sampled:	
		Date Analyzed:	
		Sticker No., ID:	
		SD-14	SD-15
		23 JAN 87	23 JAN 87
		5 FEB 87	4 FEB 87
		379, A	385, A
Compound	Detection Limit (mg/Kg)		
Bromodichloromethane	0.001	BDL	BDL
Bromoform	0.001	BDL	BDL
Bromomethane	0.001	BDL	BDL
Carbon Tetrachloride	0.001	BDL	BDL
Chlorobenzene	0.001	BDL	BDL
Chloroethane	0.001	BDL	BDL
2-Chloroethylvinyl Ether	0.001	BDL	BDL
Chloroform	0.001	BDL	BDL
Chloromethane	0.001	BDL	BDL
Dibromochloromethane	0.001	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL
Dichlorodifluoromethane	0.001	BDL	BDL
1,1-Dichloroethane	0.001	BDL	BDL
1,2-Dichloroethane	0.001	BDL	BDL
1,1-Dichloroethene	0.001	BDL	BDL
trans-1,2-Dichloroethene	0.001	BDL	BDL
1,2-Dichloropropene	0.001	BDL	BDL
cis-1,3-Dichloropropene	0.001	BDL	BDL
trans-1,3-Dichloropropene	0.001	BDL	BDL
Methylene Chloride	0.001	BDL	0.0085*
1,1,2,2-Tetrachloroethane	0.001	BDL	BDL
1,1,1-Trichloroethane	0.001	0.0011*	BDL
1,1,2-Trichloroethane	0.001	BDL	BDL
Tetrachloroethene	0.001	BDL	BDL
Trichlorofluoromethane	0.001	BDL	BDL
Vinyl Chloride	0.001	BDL	BDL
Trichloroethene	0.001	BDL	BDL
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.001	14*	BDL

BDL = Below Detection Limit

* = Invalid Data

TABLE T-19

NON-HALOGENATED VOLATILE ORGANICS (SEDIMENT)

TABLE T-19. RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA; p. 1 of 1
 Non-Halogenated Volatile Organics (Sediment); Method 8015; Concentration in mg/Kg

Sampling Point:		SD-14	SD-15
Date Sampled:		23 JAN 87	23 JAN 87
Date Analyzed:		3 FEB 87	3 FEB 87
Sticker No., ID:		379, A	385, A
Compound	Detection Limit (mg/Kg)		
Acrylamide	0.010	BDL	BDL
Carbon Disulfide	0.010	BDL	BDL
Diethyl Ether	0.010	BDL	BDL
Methyl Ethyl Ketone	0.010	BDL	BDL
Methyl Isobutyl Ketone	0.010	BDL	BDL
Paraaldehyde	0.010	BDL	BDL

BDL = Below Detection Limit

TABLE T-20

PCB'S AND PESTICIDES (SEDIMENT)

TABLE T-20. RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA; p. 1 of 1
PCB's and Pesticides (Sediment); Method 625P; Concentrations in mg/Kg

		Sampling Point: Date Sampled: Date Extracted: Date Analyzed: Sticker No., ID:	
		SD-14 23 JAN 87 4 FEB 87 23 FEB 87 379, A	SD-15 23 JAN 87 4 FEB 87 23 FEB 87 385, A
Compound	Detection Limit (mg/Kg)		
Aldrin	0.500	BOL	BOL
Alpha - BHC	0.500	BOL	BOL
Beta - BHC	0.500	BOL	BOL
Delta - BHC	0.500	BOL	BOL
Gamma - BHC	0.500	BOL	BOL
Chlordane	0.500	BOL	BOL
4,4'-DDD	0.500	BOL	BOL
4,4'-DDE	0.500	BOL	BOL
4,4'-DDT	0.500	BOL	BOL
Dieldrin	0.500	BOL	BOL
Endosulfan I	0.500	BOL	BOL
Endosulfan II	0.500	BOL	BOL
Endosulfan Sulfate	0.500	BOL	BOL
Endrin	0.500	BOL	BOL
Endrin Aldehyde	0.500	BOL	BOL
Heptachlor	0.500	BOL	BOL
Heptachlor Epoxide	0.500	BOL	BOL
Toxaphene	0.500	BOL	BOL
PCB 1016	0.500	BOL	BOL
PCB 1221	0.500	BOL	BOL
PCB 1232	0.500	BOL	BOL
PCB 1242	0.500	BOL	BOL
PCB 1248	0.500	BOL	BOL
PCB 1254	0.500	BOL	BOL
PCB 1260	0.500	BOL	BOL

BOL = Below Detection Limits

TABLE T-21

PETROLEUM HYDROCARBONS (SEDIMENT)

TABLE T-21. RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Petroleum Hydrocarbons (Sediment); Method 625 P; Concentrations in mg/Kg

Sampling Point:		SD-14	SD-15
Date Sampled:		23 JAN 87	23 JAN 87
Date Extracted:		6 FEB 87	6 FEB 87
Date Analyzed		6 FEB 87	6 FEB 87
Sticker No.:		379, A	385, A
Compound	Detection Limit (mg/Kg)		
Hydrocarbons	25	BDL	<38

TABLE T-22

ACID EXTRACTABLES (SURFACE WATER)

TABLE T-22. RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA ; p. 1 of 1

Acid Extractables (Surface Water); Method 625 A; Concentrations in ug/L

Sampling Point:		SW-12	SW-13
Date Sampled:		28 JAN 87	28 JAN 87
Date Extracted:		4 FEB 87	4 FEB 87
Date Analyzed:		10 FEB 87	10 FEB 87
Sticker No., ID:		487, G2	501, G2
Detection			
Compound	Limits (ug/L)		
4-Chloro-3-Methylphenol	25	BDL	BDL
2-Chlorophenol	25	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL
2-Nitrophenol	25	BDL	BDL
4-Nitrophenol	25	BDL	BDL
Pentachlorophenol	25	BDL	BDL
Phenol	25	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL

BDL = Below Detection Limits

TABLE T-23

AROMATIC VOLATILE ORGANICS (SURFACE WATER)

TABLE T-23. RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Aromatic Volatile Organics (Surface Water); Method 602; Concentrations in ug/L

		Sampling Point:	
		Date Sampled:	
		Date Analyzed:	
		Sticker No., ID:	
		SW-12	SW-13
		28 JAN 87	28 JAN 87
		4 FEB 87	4 FEB 87
		476, AI	490, AI
Compound	Detection Limit (ug/L)		
Benzene	1.0	BDL	BDL
Chlorobenzene	1.0	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL
Ethylbenzene	1.0	BDL	BDL
Toluene	1.0	BDL	BDL
Xylene 1)	1.0	BDL	BDL

BDL = Below Detection Limit

1) = Quantitated as Ethylbenzene

TABLE T-24

BASE/NEUTRAL EXTRACTABLES (SURFACE WATER)

TABLE T-24. RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA: p. 1 of 1

Base/Neutral Extractables (Surface Water); Method 625B/N; Concentrations in ug/L

		Sampling Site:	
		SW-12	SW-13
		28 JAN 87	28 JAN 87
		4 FEB 87	4 FEB 87
		10 FEB 87	10 FEB 87
		486, GI	500, GI
		Sticker No., ID:	
Compound	Detection Limit (ug/L)		
Acenaphthene	25	BDL	BDL
Acenaphthylene	10	BDL	BDL
Anthracene	10	BDL	BDL
Benzidine	10	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL
Chrysene	10	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL
Diethyl Phthalate	10	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL
Fluoranthene	10	BDL	BDL
Fluorene	10	BDL	BDL
Hexachlorobenzene	10	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL
Hexachloroethane	10	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL
Isophorone	10	BDL	BDL
Naphthalene	10	BDL	BDL
Nitrobenzene	10	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL
Phenanthrene	10	BDL	BDL
Pyrene	10	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL

BDL = Below Detection Limit

TABLE T-25

HALOGENATED VOLATILE ORGANICS (SURFACE WATER)

TABLE T-25. RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Halogenated Volatile Organics (Surface Water); Method 601; Concentrations in ug/L

		Sampling Point:	SW-12	SW-13	1) SW-13	2) SW-13
		Date Sampled:	28 JAN 87	28 JAN 87	2 MAR 87	2 MAR 87
		Date Analyzed:	4 FEB 87	4 FEB 87	3 MAR 87	3 MAR 87
		Sticker No., ID:	477, A2	491, A2	547, A2	547, A2
Compound	Detection Limit (ug/L)					
Bromodichloromethane	1.0		BDL	BDL	BDL	BDL
Bromoform	1.0		BDL	BDL	BDL	BDL
Bromomethane	1.0		BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0		BDL	BDL	BDL	BDL
Chlorobenzene	1.0		BDL	BDL	BDL	BDL
Chloroethane	1.0		BDL	BDL	BDL	BDL
2-Chloroethylvinyl Ether	1.0		BDL	BDL	BDL	BDL
Chloroform	1.0		BDL	BDL	BDL	BDL
Chloromethane	1.0		BDL	BDL	BDL	BDL
Dibromochloromethane	1.0		BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0		BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0		BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0		BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1.0		BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0		BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0		BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0		BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0		BDL	BDL	BDL	BDL
1,2-Dichloropropene	1.0		BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0		BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0		BDL	BDL	BDL	BDL
Methylene Chloride	1.0		BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0		BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0		BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0		BDL	BDL	BDL	BDL
Tetrachloroethene	1.0		BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0		BDL	BDL	BDL	BDL
Vinyl Chloride	1.0		BDL	BDL	BDL	BDL
Trichloroethene	1.0		BDL	2.7	3.0	3.0

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second
column confirmation was omitted from 491, A2 (SW-13)

2) = Second Column Confirmation of 547, A2 (SW-13)

TABLE T-26

NON-HALOGENATED VOLATILE ORGANICS (SURFACE WATER)

TABLE T-26. RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1
 Non-Halogenated Volatile Organics (Surface Water); Method SW 8015; Concentration in ug/L

Compound	Detection Limit (ug/L)	Sampling Point:		1)		2)	
		SW-12	MW-58	SW-13	MW-58	SW-13	MW-58
		28 JAN 87	28 JAN 87	28 JAN 87	28 JAN 87	28 JAN 87	28 JAN 87
		3 FEB 87	5 FEB 87	3 FEB 87	5 FEB 87	3 FEB 87	5 FEB 87
		480, C1	537, D2	494, C1	466, D3		
Acrylamide	10	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	10	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Ether	10	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	10	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Isobutyl Ketone	10	BDL	BDL	BDL	BDL	BDL	BDL
Paraldehyde	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Blind Duplicate of 480, C1 (SW-12)

2) = Blind Duplicate of 494, C1 (SW-13)

TABLE T-27

PCB'S AND PESTICIDES (SURFACE WATER)

TABLE T-27. RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

PCB's and Pesticides (Surface Water); Method 625P; Concentrations in ug/L

		Sampling Point:	
		Date Sampled:	
		Date Extracted:	
		Date Analyzed:	
		Sticker No., ID:	
		SW-12	SW-13
		28 JAN 87	28 JAN 87
		4 FEB 87	4 FEB 87
		10 FEB 87	10 FEB 87
		486, GI	500, GI
Compound	Detection Limit (ug/L)		
Aldrin	10	BDL	BDL
Alpha - BHC	10	BDL	BDL
Beta - BHC	10	BDL	BDL
Delta - BHC	10	BDL	BDL
Gamma - BHC	10	BDL	BDL
Chlordane	10	BDL	BDL
4,4'-DDD	10	BDL	BDL
4,4'-DDE	10	BDL	BDL
4,4'-DDT	10	BDL	BDL
Dieldrin	10	BDL	BDL
Endosulfan I	10	BDL	BDL
Endosulfan II	10	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL
Endrin	10	BDL	BDL
Endrin Aldehyde	10	BDL	BDL
Heptachlor	10	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL
Toxaphene	10	BDL	BDL
PCB 1016	10	BDL	BDL
PCB 1221	10	BDL	BDL
PCB 1232	10	BDL	BDL
PCB 1242	10	BDL	BDL
PCB 1248	10	BDL	BDL
PCB 1254	10	BDL	BDL
PCB 1260	10	BDL	BDL

BDL = Below Detection Limits

TABLE T-28

PETROLEUM HYDROCARBONS (SURFACE WATER)

TABLE T-28. RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

Petroleum Hydrocarbons (Surface Water); Method E418.1; Concentrations in mg/L

Sampling Point:		SW-12	SW-13
Date Sampled:		28 JAN 87	28 JAN 87
Date Extracted:		6 FEB 87	6 FEB 87
Date Analyzed		6 FEB 87	6 FEB 87
Sticker No., ID:		484, E	498, E
		*	*
<u>Compound</u>	<u>Detection Limit (mg/L)</u>		
Hydrocarbons	2.0	BDL	BDL

BDL = Below Detection Limit

* = Invalid Data

APPENDIX U

INORGANIC RESULTS - SITE 6
(COAL PILE STORAGE AREA)

TABLE U-1

TOTAL METAL SCREEN (SOIL)

TABLE U-1. RESULTS OF SOIL ANALYSES; COAL PILE STORAGE AREA; p. 1 of 3

Total Metals Screen (Soils); Method SW3050/SW6010; Concentrations in mg/Kg

			SB-58			
Sampling Point:			14 OCT 86			
Date Sampled:			OCT, NOV 86			
Date Analyzed:						
Sticker No., ID:			7, A	1)	9, A	11, A
Depth Interval (ft):			1-2.5	1-2.5	3.5-5	8.5-10
Species	Detection Limits (mg/Kg)	Methods				
Iron	4.5	SW3050/SW6010	2,000	2,090	14,400	4,660
Manganese	1.5	SW3050/SW6010	47.40	47.00	32.00	7.10
Vanadium	0.6	SW3050/SW6010	7.50	7.20	38.60	16.60
Aluminum	---	SW3050/SW6010	4,910	5,180	29,300	22,000
Nickel	3.0	SW3050/SW6010	2.40	2.30	12.30	3.80
Cobalt	0.8	SW3050/SW6010	BDL	BDL	1.90	BDL
Barium	1.0	SW3050/SW6010	17.50	18.80	30.80	10.70
Beryllium	0.12	SW3050/SW6010	0.18	0.20	0.50	0.31
Silver	2.8	SW3050/SW6010	BDL	BDL	BDL	BDL
Copper	0.9	SW3050/SW6010	BDL	BDL	4.50	BDL
Cadmium	0.34	SW3050/SW6010	BDL	BDL	BDL	BDL
Chromium	0.5	SW3050/SW6010	3.60	3.40	23.30	10.20
Magnesium	12.0	SW3050/SW6010	205	210	780	330
Molybdenum	0.9	SW3050/SW6010	BDL	BDL	BDL	BDL
Lead	6.3	SW3050/SW6010	BDL	BDL	9.80	7.90
Zinc	0.6	SW3050/SW6010	4.60	2.0	6.80	6.60
Antimony	0.9	SW3050/SW7041	BDL	BDL	BDL	BDL
Boron	2.4	SW3050/SW6010	6.00	8.0	1.00	1.00
Calcium	2.4	SW3050/SW6010	200	199	296	BDL
Silica	7.0	SW3050/SW6010	802	896	1,970	1,880
Sodium	12.0	SW3050/SW6010	60	40	79	50
Thallium	0.2	SW3050/SW7841	BDL	BDL	BDL	BDL
Potassium	0.5	SW3050/SW6010	170	177	621	285

BDL = Below Detection Limits

1) = In-House RTI Duplicate

TABLE U-1. RESULTS OF SOIL ANALYSES; COAL PILE STORAGE AREA; p. 2 of 3

Total Metals Screen (Soils); Method SW3050/SW6010; Concentrations in mg/Kg

Sampling Point:			SB-59		
Date Sampled:			14 OCT 86		
Date Analyzed:			OCT, NOV 86		
Sticker No., ID:			14, A	15, A	17, A
Depth Interval (ft):			1-2.5	3.5-5	8.5-10
Species	Detection Limits (mg/Kg)	Methods			
Iron	4.5	SW3050/SW6010	3,100	21,200	3,160
Manganese	1.5	SW3050/SW6010	26.10	24.60	4.40
Vanadium	0.6	SW3050/SW6010	9.80	53.10	10.80
Aluminum	---	SW3050/SW6010	7,890	44,600	17,400
Nickel	3.0	SW3050/SW6010	2.70	8.50	2.10
Cobalt	0.8	SW3050/SW6010	BDL	2.00	BDL
Barium	1.0	SW3050/SW6010	16.70	23.90	16.50
Beryllium	0.12	SW3050/SW6010	0.27	0.47	0.23
Silver	2.8	SW3050/SW6010	BDL	BDL	BDL
Copper	0.9	SW3050/SW6010	BDL	3.50	BDL
Cadmium	0.34	SW3050/SW6010	BDL	BDL	BDL
Chromium	0.5	SW3050/SW6010	5.60	31.20	9.20
Magnesium	12.0	SW3050/SW6010	260	893	207
Molybdenum	0.9	SW3050/SW6010	BDL	BDL	BDL
Lead	6.3	SW3050/SW6010	BDL	6.20	5.40
Zinc	0.6	SW3050/SW6010	3.00	8.60	8.30
Antimony	0.9	SW3050/SW7041	BDL	BDL	BDL
Boron	2.4	SW3050/SW6010	2.00	3.00	3.00
Calcium	2.4	SW3050/SW6010	100	200	BDL
Silica	7.0	SW3050/SW6010	999	2,500	1,880
Sodium	12.0	SW3050/SW6010	40	70	40
Thallium	0.2	SW3050/SW7841	BDL	BDL	BDL
Potassium	0.5	SW3050/SW6010	214	652	191

BDL = Below Detection Limits

TABLE U-1. RESULTS OF SOIL ANALYSES; COAL PILE STORAGE AREA; p. 3 of 3

Total Metals Screen/Soils; Method SW3050/SW6010; Concentrations in mg/Kg

Sampling Point: Date Sampled: Date Analyzed: Sticker No., ID: Depth Interval (ft):			SB-60 14 OCT 86 OCT, NOV 86				2) SB-56 14 OCT 86 OCT, NOV 86
			1, A 1-2.5	3, A 3.5-5	5, A 8.5-10	1) 8.5-10	79, B 8.5-10
Species	Detection Limits (mg/Kg)	Methods					
Iron	4.5	SW3050/SW6010	24,100	18,500	1,190	1,280	1,230
Manganese	1.5	SW3050/SW6010	27.90	19.10	3.00	3.98	3.8
Vanadium	0.6	SW3050/SW6010	56.00	44.80	5.30	4.44	4.67
Aluminum	---	SW3050/SW6010	38,900	37,000	10,200	10,600	10,200
Nickel	3.0	SW3050/SW6010	8.80	6.80	2.70	BDL	BDL
Cobalt	0.8	SW3050/SW6010	2.20	1.80	1.00	BDL	1.06
Barium	1.0	SW3050/SW6010	42.80	16.50	18.50	23.4	2.21
Beryllium	0.12	SW3050/SW6010	0.52	0.34	0.26	0.238	0.229
Silver	2.8	SW3050/SW6010	BDL	BDL	BDL	4.54	4.91
Copper	0.9	SW3050/SW6010	3.20	3.30	BDL	BDL	BDL
Cadmium	0.34	SW3050/SW6010	4.40	0.40	BDL	BDL	BDL
Chromium	0.5	SW3050/SW6010	31.50	25.60	5.50	4.56	4.68
Magnesium	12.0	SW3050/SW6010	918	746	114	117	104
Molybdenum	0.9	SW3050/SW6010	BDL	BDL	BDL	BDL	BDL
Lead	6.3	SW3050/SW6010	4.60	5.30	15.70	16.8	10.6
Zinc	0.6	SW3050/SW6010	9.70	5.60	2.80	BDL	.80
Antimony	0.9	SW3050/SW7041	BDL	BDL	BDL	20	19.9
Boron	2.4	SW3050/SW6010	BDL	BDL	BDL	194	210
Calcium	2.4	SW3050/SW6010	600	298	BDL	32.70	29.90
Silica	7.0	SW3050/SW6010	2,400	2,480	1,480	436	538
Sodium	12.0	SW3050/SW6010	50	50	10	8.9	36.8
Thallium	0.2	SW3050/SW7841	BDL	BDL	BDL	BDL	BDL
Potassium	0.5	SW3050/SW6010	744	613	124	121	121

BDL = Below Detection Limits

1) = In-House RTI Duplicates

2) = Blind Duplicate of 5, A (SB-60)

APPENDIX V

GLOSSARY OF ACRONYMS AND SCIENTIFIC UNITS

APPENDIX V

GLOSSARY OF ACRONYMS AND SCIENTIFIC UNITS

AFB =	Air Force Base
AFFF =	Aqueous film forming foam
Ag =	Silver
Cd =	Cadmium
CERCLA =	Comprehensive Environmental Response, Compensation, and Liability Act
°C =	Degrees centigrade
1-2-DCE =	1,2-dichloroethylene
DEQPPM =	Defense Environmental Quality Program Policy Memorandum
DOD =	Department of Defense
DPDO =	Defense Property Disposal Office
EPA =	Environmental Protection Agency
ft =	Feet
ft ² /d =	Square feet per day
ft/d =	Foot per day
GAL/MIN =	Gallons per minute
GC/MS =	Gas chromatography/mass spectrometry
HARM =	Hazard Assessment Rating Methodology
ID =	Inner diameter
IRP =	Installation Restoration Program
JP-4 =	Jet Propulsion (fuel) - 4
L =	Liter
MCL =	Maximum Contaminant Level
mg/kg =	Milligram per killogram
mg/l =	Milligrams per liter
mgal/d =	Million gallons per day
mL =	Milliliter
msl =	Mean sea level

MW = Monitoring well
 NAEL = No adverse effect level
 NAS = National Academy of Science
 NCAC = North Carolina Administrative Code
 NCNRCD = North Carolina Department of Natural Resources and Community
 Development
 Ni = Nickel
 OD = Outside diameter
 OEHL = Occupational and Environmental Health Laboratory
 OVA = Organic vapor analyzer
 Pb = Lead
 POL = Petroleum, oils, and lubricants
 PVC = Polyvinyl chloride
 RCRA = Resource Conservation and Recovery Act
 RTI = Research Triangle Institute
 SAC = Strategic Air Command
 SB = Soil Boring (Stage 2)
 SD = Sediment Station
 SJ = Seymour Johnson
 SNARL = Suggested No Adverse Response Level
 STB = Soil Test boring (Stage 1)
 SW = Surface water station
 TAC = Tactical Air command
 TCE = Trichloroethylene
 TOC = Total organic carbon
 TOX = Total organic halogen
 ug/kg = Microgram per killogram
 ug/l = Microgram per liter
 umhos/c = Micromhos per centimeter
 USGS = United States Geological Survey
 VOC = Volatile organic compounds
 WATSTORE = Water Data Storage and Retrieval System

APPENDIX W
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REFERENCES

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