217 0

File: 541.460.000n
C.G.

THE MEMPHIS DEPOT
TENNESSEE

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number 217

OU-1, SITE 4.1

DEFENSE LOGISTICS AGENCY
DEFENSE DISTRIBUTION DEPOT MEMPHIS
2163 AIRWAYS BOULEVARD
MEMPHIS, TENNESSEE 38114-5210

217 1

File:
C.G. 541.460.D

217

IN REPLY REFER TO DDMT-DE

MAR 4 1997

Mr. Akil AL-Chokhachi
City of Memphis
Division of Public Works
2303 North Second Street
Memphis, Tennessee 38127-7500

Dear Mr. Al-Chokhachi:

Defense Distribution Depot Memphis, Tennessee (DDMT), is submitting for your review the groundwater contaminant concentrations that you asked about during a telephone conference with Mr. Shawn Phillips of my office on February 24, 1997.

DDMT would like to meet with you on March 14, 1997 to discuss the project. The design contractor, CH2M Hill, will be at this meeting to answer all your questions concerning the treatment process for our proposed groundwater remedial system. Please let Mr. Phillips know if this date is agreeable to you. Mr. Phillips will contact you this week about an exact meeting time.

We have forwarded a copy of this data to Mr. Dann Spariosu, U.S. Environmental Protection Agency Region IV, and Mr. Jordan English, Tennessee Department Environment and Conservation, who are our oversight regulatory authorities.

Please contact Mr. Phillips at 775-6372 if you have any other questions.

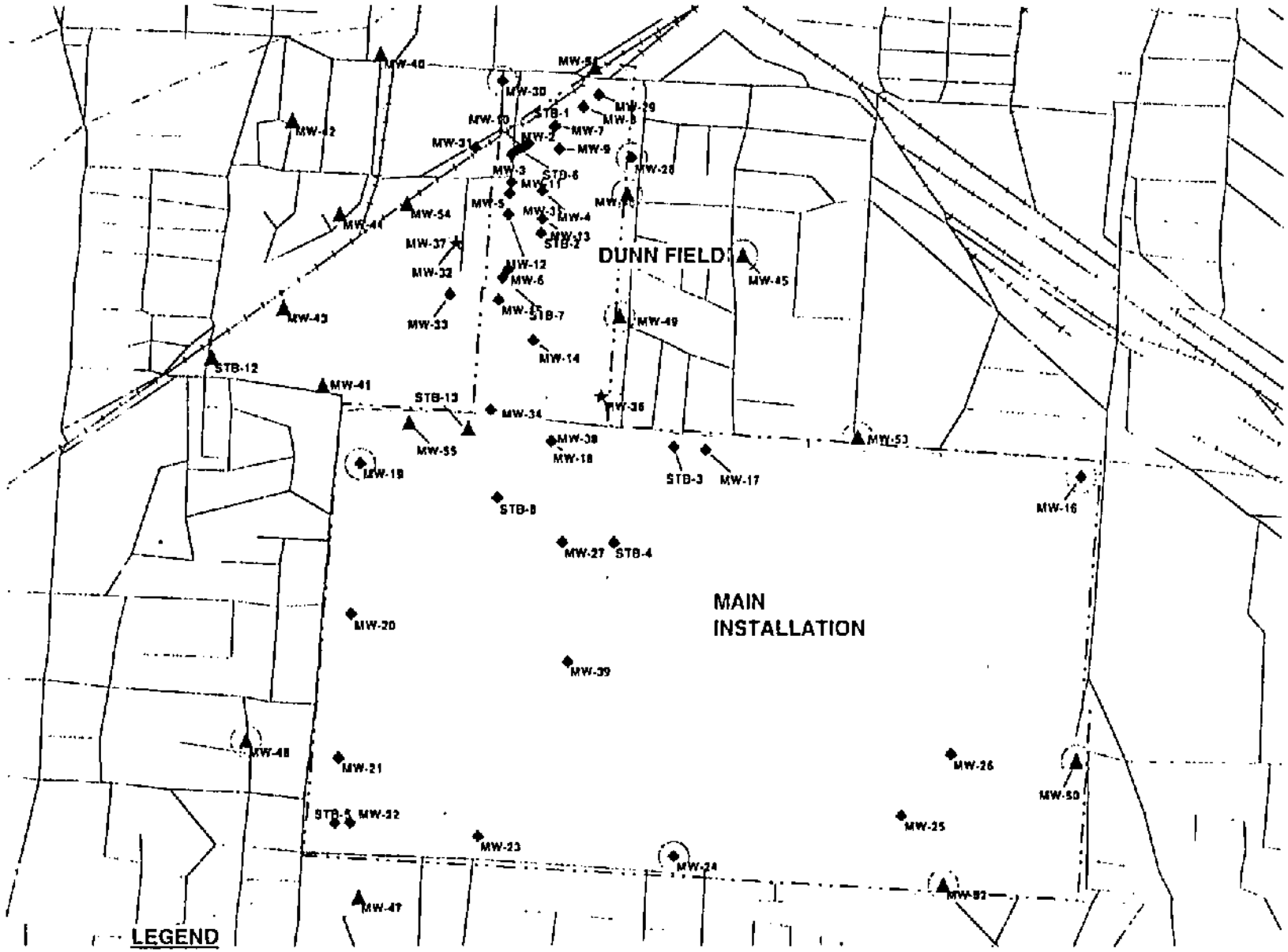
Sincerely,

G.L. KADEN, R.E.M.
Chief
Environmental Protection and Safety Office

Enclosure

cc (w/out encl):
CEHNC, Julian Savage
CH2M Hill, Greg Underberg
DDRE-ASCE-WP, Mike Dobbs

217 2



N

SCALE:
1in = 1/4 mi

LEGEND

- ▲ ALLUVIAL AQUIFER WELL/BOREHOLE (INSTALLED 1996)
- ◆ PREVIOUS INSTALLED WELL/BOREHOLE
- ★ MEMPHIS SAND WELL
- ○ BACKGROUND WELL

GROUNDWATER MONITORING WELL LOCATIONS

DEFENSE DEPOT, MEMPHIS TENNESSEE

GEOHILL

DDMT GROUNDWATER RECOVERY SYSTEM
ANALYTICAL DATA I M RECOVERY WELLS
Sampled In February, 1996.

PARAMETER	UNITS	MW02	MW03	MW04	MW05	MW06	MW07	MW08	MW09	MW10	MW11	MW12
Inorganic												
ARSENIC	UG/L	.68 UJ	.68 UJ	.68 UJ	.68 UJ	.68 UJ	1.2 J	.68 UJ	.68 UJ	.81 UJ	.68 UJ	1.4 UJ
LEAD	UG/L	9.9 =	1.8 J	9.4 =	1.4 U	5.2 =	1.4 U	6.7 =	18.4 =	3.5 =	1.4 U	24.4 =
SELENIUM	UG/L	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	6.9 UJ
THALLIUM	UG/L	.86 UJ	.86 U	.86 U	.86 UJ	.86 J	.86 UJ	.86 UJ	.86 U	.86 UJ	.86 U	.86 UJ
ALUMINUM	UG/L	601 J	718 J	252 J	127 UJ	1120 J	679 J	3610 J	5210 J	730 =	115 UJ	20500 =
ANTIMONY	UG/L	10.9 U	10.9 U	10.9 U	10.9 U	10.9 U	10.9 U	10.9 U	10.9 U	10.9 U	10.9 U	10.9 U
BARIUM	UG/L				71.7 J		67.3 J			89.3 J		
BERYLLIUM	UG/L	3.7 J	.19 U	1.1 U	.15 U	.25 U	.15 U	.39 U	.96 U	.15 U	.15 U	2.9 J
CADMIUM	UG/L	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
CALCIUM	UG/L				19400 =		16900 =			20100 =		
CHROMIUM, TOTAL	UG/L	2.2 U	9.9 J	2.2 U	2.2 U	21.9 =	7.4 U	26.4 =	12.4 U	10.8 =	2.2 U	63 =
COBALT	UG/L				1.8 U		1.6 U			1.5 U		
COPPER	UG/L	32.5 =	2 U	2.8 J	2 U	2 U	2.2 U	2 U	33.9 =	14.2 U	2 U	105 =
IRON	UG/L		3810 J		160 UJ	4250 =	3270 J	12600 J		1450 =		
MAGNESIUM	UG/L				10400 =		8300 =			10300 =		
MANGANESE	UG/L				6.3 U		23.2 =			20.5 =		
NICKEL	UG/L	7.7 U	10.4 J	7.7 U	7.7 U	25.3 J	10.3 U	16 J	7.7 U	8.7 J	7.7 U	46 =
POTASSIUM	UG/L				1110 J		767 U			767 U		
SILICON	UG/L											
SILVER	UG/L	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
SODIUM	UG/L				48300 J		21700 J			25600 J		
VANADIUM	UG/L				2 U		2.9 J			1.7 J		
ZINC	UG/L	53.1 U	18 U	10.8 U	4.3 U	21.6 U	18.1 U	19.3 U	38.8 U	23.6 U	5.6 U	132 =
MERCURY	UG/L	.84 =	.07 U	.07 U	.12 U	.33 U	.07 U	.07 U	.09 U	.07 U	.07 U	.17 J
Pesticides/PCBs												
ALDRIN	UG/L				.05 U		.05 U			.05 U		
ALPHA BHC (ALPHA	UG/L				.05 U		.05 U			.05 U		
ALPHA ENDOSULFAN	UG/L				.05 U		.05 U			.05 U		
ALPHA-CHLORDANE	UG/L				.05 U		.05 U			.05 U		
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	UG/L				.05 U		.05 U			.05 U		
BETA ENDOSULFAN	UG/L				.1 U		.1 U			.1 U		
DECACHLOROBIPHENYL	UG/L				77 =		110 =			97 =		
DELTA BHC (DELTA	UG/L				.05 U		.05 U			.05 U		
DIELDRIN	UG/L				.1 U		.1 U			.1 U		
ENDOSULFAN SULFATE	UG/L				.1 U		.1 U			.1 U		
ENDRIN	UG/L				.1 U		.1 U			.1 U		
ENDRIN ALDEHYDE	UG/L				.1 U		.1 U			.1 U		
ENDRIN KETONE	UG/L				.1 U		.1 U			.1 U		
GAMMA BHC (LINDANE)	UG/L				.05 U		.05 U			.05 U		
GAMMA-CHLORDANE	UG/L				.05 U		.05 U			.05 U		
HEPTACHLOR	UG/L				.05 U		.05 U			.05 U		

U = undetected, UJ = undetected (estimated detection limit), J = estimated below detection limit, "=" = detected value

DDMT GROUNDWATER RECOVERY SYSTEM
ANALYTICAL DATA F .M RECOVERY WELLS
Sampled in February, 1996.

PARAMETER	MW13	MW14	MW15	MW28	MW29	MW30	MW31	MW32	MW33	MW35	MW45	MW46
Inorganic												
ARSENIC	.68 UJ	.9 J	.68 U	.68 U	.68 UJ	.68 U	.81 J	.68 U	.68 UJ	.68 UJ	1 UJ	.68 U
LEAD	2.3 J	19.3 =	2.6 J	1.4 U	1.4 U	1.4 U	1.4 U	1.5 J	2.3 UJ	8.4 =	2.3 UJ	2.3 U
SELENIUM	2.3 UJ	2.3 UJ	2.3 UJ	4.6 UJ	2.3 UJ	2.3 UJ	2.3 UJ	2.3 UJ	6.9 U	2.3 UJ	2.3 UJ	2.3 UJ
THALLIUM	.86 U	.86 UJ	.86 UJ	.86 UJ	.86 U	.86 UJ	.86 U	.86 UJ	.86 UJ	.86 UJ	.86 UJ	.86 U
ALUMINUM	1270 J	22600 J	210 J	287 J	768 J	166 UJ	47.6 UJ	213 UJ	73.4 UJ	3850 =	586 J	103 UJ
ANTIMONY	10.9 U	10.9 U	10.9 U	19.7 U	10.9 U	11.8 U	10.9 U	16.1 U	10.9 U	10.9 U	17.2 J	10.9 U
BARIUM		312 =	70.5 J	47.6 J		116 J			53.3 J	124 J	127 J	99.3 J
BERYLLIUM	.18 U	2.9 J	.53 J	.21 J	.15 U	.15 U	.15 U	.15 U	.15 U	.4 U	.35 J	.15 U
CADMIUM	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3.6 U
CALCIUM		16900 =	14300 =	14000 =		22900 =		57400 =	8910 =	13100 =	34700 =	17400 =
CHROMIUM, TOTAL	12.5 U	42.6 =	2.2 U	2.2 U	4 U	2.2 U	2.2 U	2.2 U	2.2 U	23.4 =	4.9 U	4.6 U
COBALT		61.9 =	4 U	6.1 U		1.8 U			1.7 U	11.7 J	9.5 J	8.5 U
COPPER	3.2 U	36 =	75 =	4.4 J	2 U	2 U	2 U	3 U	2 U	5.8 U	3.8 J	2 U
IRON	5370 =	96100 J	271 UJ	598 J		340 UJ		329 UJ	147 UJ	16200 =	2280 J	648 =
MAGNESIUM		8920 =	6280 =	6470 =		12000 =		13300 =	4750 J	6700 =	19500 =	8660 =
MANGANESE		1400 =	52.2 =	75.6 =		3.2 U			5.2 U	142 =	326 =	228 =
NICKEL	12.6 U	25.3 J	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	8.6 J	7.7 U	13 J	7.7 U	7.7 U
POTASSIUM		2470 J	1900 J	767 U		767 U		1280 J	767 U	1170 J	849 J	858 J
SILICON								19500 =				
SILVER	2.2 U	2.2 U	2.2 UJ	2.2 UJ	2.2 U	2.2 UJ	2.2 U	2.2 UJ	2.2 UJ	2.2 U	2.2 UJ	2.2 UJ
SODIUM		16200 =	11600 UJ	15000 UJ		17000 UJ		19900 J	24100 UJ	17800 J	20300 UJ	27400 U
VANADIUM		101 =	8.2 J	5.1 J		1.6 U			1.6 U	12 J	14.8 J	1.6 U
ZINC	19.8 U	100 =	23.2 U	17.8 U	13.5 U	12.9 U	4.4 U	13.5 U	9.8 U	29.6 U	12.2 U	54.9 U
MERCURY	.07 U	.46 U	.37 U	.14 U	.07 U	.07 U	.07 U	.55 U	.07 U	.07 U	.19 U	.07 UJ
Pesticides/PCBs												
ALDRIN		.05 U		.05 U		.05 U				.05 U	.05 U	.05 U
ALPHA BHC (ALPHA		.05 U		.05 U		.05 U				.05 U	.05 U	.05 U
ALPHA ENDOSULFAN		.05 U		.05 U		.05 U				.05 U	.05 U	.05 U
ALPHA-CHLORDANE		.05 U		.05 U		.05 U				.05 U	.05 U	.05 U
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)		.05 U		.05 U		.05 U				.05 U	.05 U	.05 U
BETA ENDOSULFAN		.1 U		.1 U		.1 U				.1 U	.1 U	.1 U
DECACHLOROBIPHENYL		58 =		104 =		107 =				75 =	106 =	96 =
DELTA BHC (DELTA		.05 U		.05 U		.05 U				.05 U	.05 U	.05 U
DIELDRIN		.1 U		.1 U		.1 U				.1 U	.1 U	.1 U
ENDOSULFAN SULFATE		.1 U		.1 U		.1 U				.1 U	.1 U	.1 U
ENDRIN		.1 U		.1 U		.1 U				.1 U	.1 U	.1 U
ENDRIN ALDEHYDE		.1 U		.1 U		.1 U				.1 U	.1 U	.1 U
ENDRIN KETONE		.1 U		.1 U		.1 U				.1 U	.1 U	.1 U
GAMMA BHC (LINDANE)		.05 U		.05 U		.05 U				.05 U	.05 U	.05 U
GAMMA-CHLORDANE		.05 U		.05 U		.05 U				.05 U	.05 U	.05 U
HEPTACHLOR		.05 U		.05 U		.05 U				.05 U	.05 U	.05 U

U = undetected, UJ = undetected (estimated detection limit), J = estimated below detection limit, "=" = detected value

DDMT GROUNDWATER RECOVERY SYSTEM
ANALYTICAL DATA F M RECOVERY WELLS
Sampled in February, 1996.

PARAMETER	MW49	MW51	MW54
Inorganics			
ARSENIC	.68 U	.68 UJ	1 UJ
LEAD	2.6 J	2.3 UJ	1.4 U
SELENIUM	2.3 UJ	2.3 UJ	2.3 UJ
THALLIUM	.86 U	.86 U	.86 UJ
ALUMINUM	86.2 UJ	153 UJ	173 U
ANTIMONY	10.9 U	10.9 U	10.9 U
BARIUM	96.4 J	86.4 J	106 J
BERYLLIUM	.15 U	.15 U	.15 U
CADMIUM	1.8 U	1.8 U	1.8 U
CALCIUM	16500 =	21600 =	14900 =
CHROMIUM, TOTAL	3 U	2.2 U	2.2 U
COBALT	1.5 U	6.9 U	3.9 J
COPPER	2 U	2 U	2.7 U
IRON	328 U	322 UJ	4660 =
MAGNESIUM	8140 =	10500 =	7440 =
MANGANESE	57.6 =	112 =	445 =
NICKEL	7.7 U	7.7 U	7.7 U
POTASSIUM	1260 J	946 J	767 U
SILICON			
SILVER	2.2 UJ	2.2 UJ	2.2 U
SODIUM	14600 U	19100 UJ	18400 J
VANADIUM	1.6 U	1.6 U	1.6 U
ZINC	15 U	16.2 U	7 U
MERCURY	.07 UJ	.07 U	.07 U
Pesticides/PCBs			
ALDRIN	.05 U	.05 U	.05 U
ALPHA BHC (ALPHA	.05 U	.05 U	.05 U
ALPHA ENDOSULFAN	.05 U	.05 U	.05 U
ALPHA-CHLORDANE	.05 U	.05 U	.05 U
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	.05 U	.05 U	.05 U
BETA ENDOSULFAN	.1 U	.1 U	.1 U
DECACHLOROBIPHENYL	86 =	100 =	104 =
DELTA BHC (DELTA	.05 U	.05 U	.05 U
DIELDRIN	.1 U	.1 U	.1 U
ENDOSULFAN SULFATE	.1 U	.1 U	.1 U
ENDRIN	.1 U	.1 U	.1 U
ENDRIN ALDEHYDE	.1 U	.1 U	.1 U
ENDRIN KETONE	.1 U	.1 U	.1 U
GAMMA BHC (LINDANE)	.05 U	.05 U	.05 U
GAMMA-CHLORDANE	.05 U	.05 U	.05 U
HEPTACHLOR	.05 U	.05 U	.05 U

U = undetected, UJ = undetected (estimated detection limit), J = estimated below detection limit, "=" = detected value

DDMT GROUNDWATER RECOVERY SYSTEM
ANALYTICAL DATA F M RECOVERY WELLS
Sampled In February, 1996.

PARAMETER	UNITS	MW02	MW03	MW04	MW05	MW06	MW07	MW08	MW09	MW10	MW11	MW12
HEPTACHLOR EPOXIDE	UG/L				.05 U		.05 U			.05 U		
METHOXYCHLOR	UG/L				.5 U		.5 U			.5 U		
p,p'-DDD	UG/L				.1 U		.1 U			.1 U		
p,p'-DDE	UG/L				.1 U		.1 U			.1 U		
p,p'-DDT	UG/L				.1 U		.1 U			.1 U		
PCB-1016 (AROCHLOR 1016)	UG/L				1 U		1 U			1 U		
PCB-1221 (AROCHLOR 1221)	UG/L				2 U		2 U			2 U		
PCB-1232 (AROCHLOR 1232)	UG/L				1 U		1 U			1 U		
PCB-1242 (AROCHLOR 1242)	UG/L				1 U		1 U			1 U		
PCB-1248 (AROCHLOR 1248)	UG/L				1 U		1 U			1 U		
PCB-1254 (AROCHLOR 1254)	UG/L				1 U		1 U			1 U		
PCB-1260 (AROCHLOR 1260)	UG/L				1 U		1 U			1 U		
TOXAPHENE	UG/L				5 U		5 U			5 U		
Semivolatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	UG/L				10 U	10 U	10 U			10 U		
1,2-DICHLOROBENZENE	UG/L				10 U	10 U	10 U			10 U		
1,3-DICHLOROBENZENE	UG/L				10 U	10 U	10 U			10 U		
1,4-DICHLOROBENZENE	UG/L				10 U	10 U	10 U			10 U		
2,2'-OXYBIS(1-CHLORO)PROPANE	UG/L				10 U	10 U	10 U			10 U		
2,4,5-TRICHLOROPHENOL	UG/L				25 U	25 U	25 U			25 U		
2,4,6-TRIBROMOPHENOL	UG/L				86 =	52 =	74 =			82 =		
2,4,6-TRICHLOROPHENOL	UG/L				10 U	10 U	10 U			10 U		
2,4-DICHLOROPHENOL	UG/L				10 U	10 U	10 U			10 U		
2,4-DIMETHYLPHENOL	UG/L				10 U	10 U	10 U			10 U		
2,4-DINITROPHENOL	UG/L				25 UJ	25 UJ	25 UJ			25 UJ		
2,4-DINITROTOLUENE	UG/L				10 U	10 U	10 U			10 U		
2,6-DINITROTOLUENE	UG/L				10 U	10 U	10 U			10 U		
2-CHLORONAPHTHALENE	UG/L				10 U	10 U	10 U			10 U		
2-CHLOROPHENOL	UG/L				10 U	10 U	10 U			10 U		
2-METHYLNAPHTHALENE	UG/L				10 U	10 U	10 U			10 U		
2-METHYLPHENOL (o-CRESOL)	UG/L				10 U	10 U	10 U			10 U		
2-NITROANILINE	UG/L				25 U	25 U	25 U			25 U		
2-NITROPHENOL	UG/L				10 U	10 U	10 U			10 U		
3,3'-DICHLOROBENZIDINE	UG/L				10 U	10 U	10 U			10 U		
3-NITROANILINE	UG/L				25 U	25 U	25 U			25 U		
4,6-DINITRO-2-METHYLPHENOL	UG/L				25 U	25 U	25 U			25 U		
4-BROMOPHENYL PHENYL ETHER	UG/L				10 U	10 U	10 U			10 U		
4-CHLORO-3-METHYLPHENOL	UG/L				10 U	10 U	10 U			10 U		
4-CHLOROANILINE	UG/L				10 U	10 U	10 U			10 U		
4-CHLOROPHENYL PHENYL ETHER	UG/L				10 U	10 U	10 U			10 U		
4-METHYLPHENOL (p-CRESOL)	UG/L				10 U	10 U	10 U			10 U		
4-NITROANILINE	UG/L				25 U	25 U	25 U			25 U		

PEST/PCB (cont'd)

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U = undetected, UJ = undetected (estimated detection limit), J = estimated below detection limit, "=" = detected value

DDMT GROUNDWATER RECOVERY SYSTEM
ANALYTICAL DATA F M RECOVERY WELLS
Sampled in February, 1996.

217 7 PEST/PCBS (CONT'D)

PARAMETER	MW13	MW14	MW15	MW28	MW29	MW30	MW31	MW32	MW33	MW35	MW45	MW46
HEPTACHLOR EPOXIDE		.05 U		.05 U		.05 U				.05 U	.05 U	.05 U
METHOXYCHLOR		.5 U		.5 U		.5 U				.5 U	.5 U	.5 U
p,p'-DDD		.1 U		.1 U		.1 U				.1 U	.1 U	.1 U
p,p'-DDE		.1 U		.1 U		.1 U				.1 U	.1 U	.1 U
p,p'-DDT		.1 U		.1 U		.1 U				.1 U	.1 U	.1 U
PCB-1016 (AROCHLOR 1016)		1 U		1 U		1 U				1 U	1 U	1 U
PCB-1221 (AROCHLOR 1221)		2 U		2 U		2 U				2 U	2 U	2 U
PCB-1232 (AROCHLOR 1232)		1 U		1 U		1 U				1 U	1 U	1 U
PCB-1242 (AROCHLOR 1242)		1 U		1 U		1 U				1 U	1 U	1 U
PCB-1248 (AROCHLOR 1248)		1 U		1 U		1 U				1 U	1 U	1 U
PCB-1254 (AROCHLOR 1254)		1 U		1 U		1 U				1 U	1 U	1 U
PCB-1260 (AROCHLOR 1260)		1 U		1 U		1 U				1 U	1 U	1 U
TOXAPHENE		5 U		5 U		5 U				5 U	5 U	5 U
Semivolatile Organic Compounds												
1,2,4-TRICHLOROBENZENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
1,2-DICHLOROBENZENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
1,3-DICHLOROBENZENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
1,4-DICHLOROBENZENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
2,2'-OXYBIS(1-CHLORO)PROPANE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
2,4,5-TRICHLOROPHENOL	25 U	25 U		25 U		25 U	25 U			25 U	25 U	25 U
2,4,6-TRIBROMOPHENOL	90 =	69 =		72 =		75 =	102 =			86 =	82 =	87 =
2,4,6-TRICHLOROPHENOL	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
2,4-DICHLOROPHENOL	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
2,4-DIMETHYLPHENOL	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
2,4-DINITROPHENOL	25 UJ	25 UJ		25 UJ		25 U	25 UJ			25 UJ	25 U	25 UJ
2,4-DINITROTOLUENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
2,6-DINITROTOLUENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
2-CHLORONAPHTHALENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
2-CHLOROPHENOL	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
2-METHYLNAPHTHALENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
2-METHYLPHENOL (o-CRESOL)	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
2-NITROANILINE	25 U	25 U		25 U		25 U	25 U			25 U	25 U	25 U
2-NITROPHENOL	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
3,3'-DICHLOROBENZIDINE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
3-NITROANILINE	25 U	25 U		25 U		25 U	25 U			25 U	25 U	25 U
4,6-DINITRO-2-METHYLPHENOL	25 U	25 UJ		25 U		25 U	25 U			25 UJ	25 U	25 U
4-BROMOPHENYL PHENYL ETHER	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
4-CHLOROANILINE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
4-CHLOROPHENYL PHENYL ETHER	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
4-METHYLPHENOL (p-CRESOL)	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
4-NITROANILINE	25 U	25 U		25 U		25 U	25 U			25 U	25 U	25 U

U = undetected, UJ = undetected (estimated detection limit), J = estimated below detection limit, "=" = detected value

DDMT GROUNDWATER RECOVERY SYSTEM
ANALYTICAL DATA F M RECOVERY WELLS
Sampled In February, 1996.

PESTICIDES/PCB (CONT'D)

PARAMETER	MW49	MW51	MW54
HEPTACHLOR EPOXIDE	.05 U	.05 U	.05 U
METHOXYCHLOR	.5 U	.5 U	.5 U
p,p'-DDD	.1 U	.1 U	.1 U
p,p'-DDE	.1 U	.1 U	.1 U
p,p'-DDT	.1 U	.1 U	.1 U
PCB-1016 (AROCHLOR 1016)	1 U	1 U	1 U
PCB-1221 (AROCHLOR 1221)	2 U	2 U	2 U
PCB-1232 (AROCHLOR 1232)	1 U	1 U	1 U
PCB-1242 (AROCHLOR 1242)	1 U	1 U	1 U
PCB-1248 (AROCHLOR 1248)	1 U	1 U	1 U
PCB-1254 (AROCHLOR 1254)	1 U	1 U	1 U
PCB-1260 (AROCHLOR 1260)	1 U	1 U	1 U
TOXAPHENE	5 U	5 U	5 U
Semivolatile Organic Compounds			
1,2,4-TRICHLOROBENZENE	10 U	10 U	10 U
1,2-DICHLOROBENZENE	10 U	10 U	10 U
1,3-DICHLOROBENZENE	10 U	10 U	10 U
1,4-DICHLOROBENZENE	10 U	10 U	10 U
2,2'-OXYBIS(1-CHLORO)PROPANE	10 U	10 U	10 U
2,4,5-TRICHLOROPHENOL	25 U	25 U	25 U
2,4,6-TRIBROMOPHENOL	52 =	52 =	75 =
2,4,6-TRICHLOROPHENOL	10 U	10 U	10 U
2,4-DICHLOROPHENOL	10 U	10 U	10 U
2,4-DIMETHYLPHENOL	10 U	10 U	10 U
2,4-DINITROPHENOL	25 U	25 U	25 UJ
2,4-DINITROTOLUENE	10 U	10 U	10 U
2,6-DINITROTOLUENE	10 U	10 U	10 U
2-CHLORONAPHTHALENE	10 U	10 U	10 U
2-CHLOROPHENOL	10 U	10 U	10 U
2-METHYLNAPHTHALENE	10 U	10 U	10 U
2-METHYLPHENOL (o-CRESOL)	10 U	10 U	10 U
2-NITROANILINE	25 U	25 U	25 U
2-NITROPHENOL	10 U	10 U	10 U
3,3'-DICHLOROBENZIDINE	10 U	10 U	10 U
3-NITROANILINE	25 U	25 U	25 U
4,6-DINITRO-2-METHYLPHENOL	25 U	25 U	25 UJ
4-BROMOPHENYL PHENYL ETHER	10 U	10 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 U
4-CHLOROANILINE	10 U	10 U	10 U
4-CHLOROPHENYL PHENYL ETHER	10 U	10 U	10 U
4-METHYLPHENOL (p-CRESOL)	10 U	10 U	10 U
4-NITROANILINE	25 U	25 U	25 U

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DDMT GROUNDWATER RECOVERY SYSTEM
ANALYTICAL DATA FROM RECOVERY WELLS
Sampled In February, 1996.

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SEMI-VOL'S (CONT'D)

PARAMETER	UNITS	MW02	MW03	MW04	MW05	MW06	MW07	MW08	MW09	MW10	MW11	MW12
4-NITROPHENOL	UG/L				25 U	25 U	25 U			25 U		
ACENAPHTHENE	UG/L				10 U	10 U	10 U			10 U		
ACENAPHTHYLENE	UG/L				10 U	10 U	10 U			10 U		
ANTHRACENE	UG/L				10 U	10 U	10 U			10 U		
BENZO(a)ANTHRACENE	UG/L				10 U	10 U	10 U			10 U		
BENZO(a)PYRENE	UG/L				10 U	10 U	10 U			10 U		
BENZO(b)FLUORANTHENE	UG/L				10 U	10 U	10 U			10 U		
BENZO(g,h,i)PERYLENE	UG/L				10 U	10 U	10 U			10 U		
BENZO(k)FLUORANTHENE	UG/L				10 U	10 U	10 U			10 U		
BENZYL BUTYL PHTHALATE	UG/L				10 U	10 U	10 U			10 U		
bis(2-CHLOROETHOXY) METHANE	UG/L				10 U	10 U	10 U			10 U		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	UG/L				10 U	10 U	10 U			10 U		
bis(2-ETHYLHEXYL) PHTHALATE	UG/L				10 U	10 U	10 U			10 U		
CARBAZOLE	UG/L				10 U	10 U	10 U			10 U		
CHRYSENE	UG/L				10 U	10 U	10 U			10 U		
DI-n-BUTYL PHTHALATE	UG/L				10 U	10 U	10 U			10 U		
DI-n-OCTYLPHTHALATE	UG/L				2 J	10 U	10 U			2 J		
DIBENZ(a,h)ANTHRACENE	UG/L				10 U	10 U	10 U			10 U		
DIBENZOFURAN	UG/L				10 U	10 U	10 U			10 U		
DIETHYL PHTHALATE	UG/L				10 U	10 U	10 U			10 U		
DIMETHYL PHTHALATE	UG/L				10 U	10 U	10 U			10 U		
FLUORANTHENE	UG/L				10 U	10 U	10 U			10 U		
FLUORENE	UG/L				10 U	10 U	10 U			10 U		
HEXACHLOROBENZENE	UG/L				10 U	10 U	10 U			10 U		
HEXACHLOROBUTADIENE	UG/L				10 U	10 U	10 U			10 U		
HEXACHLOROCYCLOPENTADIENE	UG/L				10 U	10 U	10 U			10 U		
HEXACHLOROETHANE	UG/L				10 U	10 U	10 U			10 U		
INDENO(1,2,3-c,d)PYRENE	UG/L				10 U	10 U	10 U			10 U		
ISOPHORONE	UG/L				10 U	10 U	10 U			10 U		
N-NITROSODI-n-PROPYLAMINE	UG/L				10 U	10 U	10 U			10 U		
N-NITROSODIPHENYLAMINE	UG/L				10 U	10 U	10 U			10 U		
NAPHTHALENE	UG/L				10 U	10 U	10 U			10 U		
NITROBENZENE	UG/L				10 U	10 U	10 U			10 U		
PENTACHLOROPHENOL	UG/L				5 U	5 U	5 U			5 U		
PHENANTHRENE	UG/L				10 U	10 U	10 U			10 U		
PHENOL	UG/L				10 U	10 U	10 U			10 U		
PYRENE	UG/L				10 U	10 U	10 U			10 U		
Volatile Organic Compounds												
1,1,1-TRICHLOROETHANE	UG/L	10 U	10 U	10 U	10 U	10 U	2 J	2 J	10 U	3 J	10 U	50 U
1,1,2,2-TETRACHLOROETHANE	UG/L	10 U	1 J	10 U	10 U	160 =	10 U	10 U	10 U	12 =	4 J	130 =
1,1,2-TRICHLOROETHANE	UG/L	10 U	10 U	10 U	10 U	7 J	10 U	10 U	10 U	10 U	10 U	50 U
1,1-DICHLOROETHANE	UG/L	10 U	10 U	10 U	10 U	10 U	2 J	2 J	10 U	2 J	10 U	50 U

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DDMT GROUNDWATER RECOVERY SYSTEM
ANALYTICAL DATA FROM RECOVERY WELLS
Sampled In February, 1996.

SEMI - VOLS (CONT'D) 217 10

PARAMETER	MW13	MW14	MW15	MW28	MW29	MW30	MW31	MW32	MW33	MW35	MW45	MW46
4-NITROPHENOL	25 U	25 U		25 U		25 U	25 U			25 U	25 U	25 U
ACENAPHTHENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
ACENAPHTHYLENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
ANTHRACENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
BENZO(a)ANTHRACENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
BENZO(a)PYRENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
BENZO(b)FLUORANTHENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
BENZO(g,h,i)PERYLENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
BENZO(k)FLUORANTHENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
BENZYL BUTYL PHTHALATE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
bis(2-CHLOROETHOXY) METHANE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
bis(2-ETHYLHEXYL) PHTHALATE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
CARBAZOLE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
CHRYSENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
DI-n-BUTYL PHTHALATE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
DI-n-OCTYLPHTHALATE	7 J	10 U		10 U		10 U	2 J			10 U	10 U	10 U
DIBENZ(a,h)ANTHRACENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
DIBENZOFURAN	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
DIETHYL PHTHALATE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
DIMETHYL PHTHALATE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
FLUORANTHENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
FLUORENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
HEXACHLOROBENZENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
HEXACHLOROBUTADIENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
HEXACHLOROCYCLOPENTADIENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
HEXACHLOROETHANE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
INDENO(1,2,3-c,d)PYRENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
ISOPHORONE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
N-NITROSODI-n-PROPYLAMINE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
N-NITROSODIPHENYLAMINE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
NAPHTHALENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
NITROBENZENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
PENTACHLOROPHENOL	5 U	5 U		5 U		5 U	5 U			5 U	5 U	5 U
PHENANTHRENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
PHENOL	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
PYRENE	10 U	10 U		10 U		10 U	10 U			10 U	10 U	10 U
Volatile Organic Compounds												
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U	10 U	4 J	10 U	50 U	10 U	10 U	200 U	1 J	10 U
1,1,2,2-TETRACHLOROETHANE	1 J	10 U	10 U	10 U	10 U	10 U	420 =	66 =	10 U	200 =	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	11 J	4 J	10 U	200 U	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U	10 U	2 J	10 U	50 U	10 U	10 U	200 U	10 U	10 U

U = undetected, UJ = undetected (estimated detection limit), J = estimated below detection limit, "=" = detected value

DDMT GROUNDWATER RECOVERY SYSTEM
ANALYTICAL DATA F M RECOVERY WELLS
Sampled in February, 1996.

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SEMI-VOLS (CONT'D)

PARAMETER	MW49	MW51	MW54
4-NITROPHENOL	25 U	25 U	25 U
ACENAPHTHENE	10 U	10 U	10 U
ACENAPHTHYLENE	10 U	10 U	10 U
ANTHRACENE	10 U	10 U	10 U
BENZO(a)ANTHRACENE	10 U	10 U	10 U
BENZO(a)PYRENE	10 U	10 U	10 U
BENZO(b)FLUORANTHENE	10 U	10 U	10 U
BENZO(g,h,i)PERYLENE	10 U	10 U	10 U
BENZO(k)FLUORANTHENE	10 U	10 U	10 U
BENZYL BUTYL PHTHALATE	10 U	10 U	10 U
bis(2-CHLOROETHOXY) METHANE	10 U	10 U	10 U
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL	10 U	10 U	10 U
bis(2-ETHYLHEXYL) PHTHALATE	10 U	10 U	10 U
CARBAZOLE	10 U	10 U	10 U
CHRYSENE	10 U	10 U	10 U
DI-n-BUTYL PHTHALATE	10 U	10 U	10 U
DI-n-OCTYLPHTHALATE	10 U	10 U	5 J
DIBENZ(a,h)ANTHRACENE	10 U	10 U	10 U
DIBENZOFURAN	10 U	10 U	10 U
DIETHYL PHTHALATE	10 U	10 U	10 U
DIMETHYL PHTHALATE	10 U	10 U	10 U
FLUORANTHENE	10 U	10 U	10 U
FLUORENE	10 U	10 U	10 U
HEXACHLOROBENZENE	10 U	10 U	10 U
HEXACHLOROBUTADIENE	10 U	10 U	10 U
HEXACHLOROCYCLOPENTADIENE	10 U	10 U	10 U
HEXACHLOROETHANE	10 U	10 U	10 U
INDENO(1,2,3-c,d)PYRENE	10 U	10 U	10 U
ISOPHORONE	10 U	10 U	10 U
N-NITROSODI-n-PROPYLAMINE	10 U	10 U	10 U
N-NITROSODIPHENYLAMINE	10 U	10 U	10 U
NAPHTHALENE	10 U	10 U	10 U
NITROBENZENE	10 U	10 U	10 U
PENTACHLOROPHENOL	5 U	5 U	5 U
PHENANTHRENE	10 U	10 U	10 U
PHENOL	10 U	10 U	10 U
PYRENE	10 U	10 U	10 U
Volatile Organic Compounds			
1,1,1-TRICHLOROETHANE	10 U	10 U	10 U
1,1,2,2-TETRACHLOROETHANE	10 U	10 U	10 U
1,1,2-TRICHLOROETHANE	10 U	10 U	10 U
1,1-DICHLOROETHANE	10 U	10 U	10 U

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DDMT GROUNDWATER RECOVERY SYSTEM
ANALYTICAL DATA F. M RECOVERY WELLS
Sampled In February, 1996.

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VOC's (Cont'd)

PARAMETER	UNITS	MW02	MW03	MW04	MW05	MW06	MW07	MW08	MW09	MW10	MW11	MW12
1,1-DICHLOROETHENE	UG/L	7 J	14 =	10 U	10 U	10 U	54 =	26 =	1 J	48 =	10 U	50 U
1,2-DICHLOROETHANE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	50 U
1,2-DICHLOROPROPANE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
2-HEXANONE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
ACETONE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
BENZENE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
BROMODICHLOROMETHANE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
BROMOFORM	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
BROMOMETHANE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
CARBON DISULFIDE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
CARBON TETRACHLORIDE	UG/L	10 U	1 J	10 U	10 U	27 =	10 U	10 U	2 J	3 J	1 J	50 U
CHLOROBENZENE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
CHLOROETHANE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
CHLOROFORM	UG/L	8 J	7 J	10 U	6 J	10 =	8 J	10 U	2 J	14 =	2 J	50 U
CHLOROMETHANE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
cis-1,3-DICHLOROPROPENE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
DIBROMOCHLOROMETHANE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
ETHYLBENZENE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
METHYL ETHYL KETONE (2-BUTANONE)	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
METHYL ISOBUTYL KETONE (4-METHYL-2-	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
METHYLENE CHLORIDE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
STYRENE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
TETRACHLOROETHYLENE(PCE)	UG/L	22 =	24 =	12 =	96 =	10 U	51 =	26 =	10 U	100 =	16 =	12 J
TOLUENE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
TOTAL 1,2-DICHLOROETHENE	UG/L	10 =	2 J	10 U	2 J	200 =	10 U	10 U	10 U	110 =	41 =	55 =
Total Xylenes	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
trans-1,3-DICHLOROPROPENE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
TRICHLOROETHYLENE (TCE)	UG/L	26 =	13 =	10 U	14 =	130 =	26 =	14 =	2 J	280 R	46 =	650 =
VINYL CHLORIDE	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U
Other Parameters												
CHLORIDE (AS CL)	MG/L		16.2 =			224 =		18.3 =				
FLUORIDE	MG/L											
NITROGEN, AMMONIA (AS N)	MG/L		.2 U			.2 U		.2 U				
NITROGEN, NITRATE (AS N)	MG/L											
NITROGEN, NITRATE-NITRITE	MG/L		3.07 =			4.01 =		2.25 =				
SULFATE (AS SO4)	MG/L		45.9 =			11.2 =		44 =				

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DDMT GROUNDWATER RECOVERY SYSTEM
ANALYTICAL DATA FROM RECOVERY WELLS
Sampled In February, 1996.

VOC's (cont'd) 217 13

PARAMETER	MW13	MW14	MW15	MW28	MW29	MW30	MW31	MW32	MW33	MW35	MW45	MW46
1,1-DICHLOROETHENE	10 U	10 U	10 U	10 U	27 U	10 U	23 J	10 U	10 U	200 U	2 J	10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
ACETONE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
BENZENE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
BROMODICHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
BROMOMETHANE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
CARBON DISULFIDE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 UJ	200 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	7 J	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	6 J	22 =	10 U	200 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
CHLOROFORM	10 U	10 U	25 =	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U	35 J	7 J	10 U	200 U	10 U	10 U
cis-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 UJ	200 U	10 U	10 U
DIBROMOCHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
METHYL ETHYL KETONE (2-BUTANONE)	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
METHYL ISOBUTYL KETONE (4-METHYL-2-	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
STYRENE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
TETRACHLOROETHYLENE(PCE)	5 J	10 U	2 J	10 U	32 =	10 U	64 =	1 J	10 U	26 J	10 U	10 U
TOLUENE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
TOTAL 1,2-DICHLOROETHENE	10 U	10 U	10 U	10 U	10 U	10 U	760 =	87 =	10 U	160 J	10 U	10 U
Total Xylenes	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
trans-1,3-DICHLOROPROPENE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
TRICHLOROETHYLENE (TCE)	2 J	10 U	11 =	10 U	13 =	10 U	1000 R	68 =	10 U	1900 =	10 U	10 U
VINYL CHLORIDE	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	200 U	10 U	10 U
Other Parameters												
CHLORIDE (AS CL)	111.7 =	10.1 =						127 =				
FLUORIDE								1 U				
NITROGEN, AMMONIA (AS N)		.4 =						2 U				
NITROGEN, NITRATE (AS N)								3.97 =				
NITROGEN, NITRATE-NITRITE		4.69 =						3.97 =				
SULFATE (AS SO4)	21.6 =	23.7 =						17.4 =				

U = undetected, UJ = undetected (estimated detection limit), J = estimated below detection limit, "=" = detected value

DDMT GROUNDWAT RECOVERY SYSTEM
ANALYTICAL DATA FROM RECOVERY WELLS
Sampled In February, 1996.

PARAMETER	MW49	MW51	MW54
1,1-DICHLOROETHENE	10 U	4 J	10 U
1,2-DICHLOROETHANE	10 U	10 U	10 U
1,2-DICHLOROPROPANE	10 U	10 U	10 U
2-HEXANONE	10 UJ	10 U	10 U
ACETONE	10 U	10 U	10 U
BENZENE	10 U	10 U	10 U
BROMODICHLOROMETHANE	10 U	10 U	10 U
BROMOFORM	10 U	10 U	10 U
BROMOMETHANE	10 U	10 U	10 U
CARBON DISULFIDE	10 U	10 U	10 U
CARBON TETRACHLORIDE	10 U	10 U	10 U
CHLOROBENZENE	10 U	10 U	10 U
CHLOROETHANE	10 U	10 U	10 U
CHLOROFORM	10 U	10 U	10 U
CHLOROMETHANE	10 U	10 U	10 U
cis-1,3-DICHLOROPROPENE	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	10 U	10 U	10 U
ETHYLBENZENE	10 U	10 U	10 U
METHYL ETHYL KETONE (2-BUTANONE)	10 U	10 U	10 U
METHYL ISOBUTYL KETONE (4-METHYL-2-	10 U	10 U	10 U
METHYLENE CHLORIDE	10 U	10 U	10 U
STYRENE	10 U	10 U	10 U
TETRACHLOROETHYLENE(PCE)	10 U	2 J	10 U
TOLUENE	10 U	10 U	10 U
TOTAL 1,2-DICHLOROETHENE	10 U	10 U	1 J
Total Xylenes	10 U	10 U	10 U
trans-1,3-DICHLOROPROPENE	10 U	10 U	10 U
TRICHLOROETHYLENE (TCE)	10 U	5 J	17 =
VINYL CHLORIDE	10 U	10 U	10 U
Other Parameters			
CHLORIDE (AS CL)			
FLUORIDE			
NITROGEN, AMMONIA (AS N)			
NITROGEN, NITRATE (AS N)			
NITROGEN, NITRATE-NITRITE			
SULFATE (AS SO4)			

VOC's (cont'd) 2/17/14

U = undetected, UJ = undetected (estimated detection limit), J = estimated below detection limit, "=" = detected value

FINAL PAGE

ADMINISTRATIVE RECORD

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