

TABLE V
SUMMARY OF ANALYTICAL DATA - GROUNDWATER
MILL ROCK PARK
HAMDEN, CONNECTICUT

PARAMETER	GA/GAA Groundwater Protection Criteria	Surface Water Protection Criteria	Residential Volatilization Criteria	Sample ID:	MRP-HA101-MW								
					Sample Date:	27-Aug-02	16-Apr-03	23-Jul-03	31-Oct-03	23-Feb-04	6-May-04	29-Jul-04	17-Nov-04
Volatile Organic Compounds (ug/l):				Method:	8021B	8021B	8021B	8021B	8021B	8021B	524.2	524.2	524.2
Chloroform	6	420,000	26		ND	ND	ND	ND	ND	ND	ND	ND	ND
M & P Xylenes	530	NE	8,700		ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ug/l):				Method:	8270C	8270C	8270C	8270C	8270C	8270C	525.2	525.2	525.2
Benzo[a]pyrene	0.2	0.3	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorinated Pesticides (ug/l):	---	---	---	Method:	8081A	8081A	8081A	8081A	8081A	8081A	515	515	515
					ND	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (ug/l):	0.5	0.5	NE	Method:	8082	8082	8082	8082	8082	8082	505	505	505
					ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Petroleum Hydrocarbons (mg/l):	0.1	NE	NE	Method:	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH
					ND	ND	ND	ND	ND	ND	ND	0.26	ND
Total Metals (mg/l):	Method												
Arsenic	200.7	0.05	0.004	NE	ND	0.008	ND	0.0052	ND	ND	ND	ND	ND
Iron	200.7	NE	NE	NE	--	--	--	--	--	--	15	3.5	ND
Manganese	200.7	NE	NE	NE	--	--	--	--	--	--	0.61	0.43	0.25
Potassium	200.7	NE	NE	NE	--	--	--	--	--	--	5.4	6.9	5
Selenium	200.7	0.05	0.05	NE	ND	0.022	ND	0.028	ND	ND	ND	ND	0.018
Sodium	200.7	NE	NE	NE	--	--	--	--	--	--	8.9	6.9	6.2
Thallium	200.7	5	0.063	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	200.7	5	0.123	NE	ND	0.26	0.3	0.13	0.072	0.21	0.079	0.065	0.11
Total Cyanide (mg/l):	335.4	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other Analyses (mg/l)													
Alkalinity (CaCO ₃)	310.1	--	--	--	--	--	--	--	--	--	300	310	310
Ammonia as Nitrogen	350.3	--	--	--	--	--	--	--	--	--	0.94	1.3	0.72
B. O. D./ 5 Day	405.1	--	--	--	--	--	--	--	--	--	ND	ND	ND
Chloride	300.0	--	--	--	--	--	--	--	--	--	5.40	4.7	4.7
Nitrate as Nitrogen	300.0	--	--	--	--	--	--	--	--	--	ND	ND	0.62
pH	150.1	--	--	--	--	--	--	--	--	--	6.55	6.46	6.65
Sulfate	300.0	--	--	--	--	--	--	--	--	--	7.70	9.9	5.7
Total Dissolved Solids	160.1	--	--	--	--	--	--	--	--	--	350	340	370
Total Suspended Solids	160.2	--	--	--	--	--	--	--	--	--	ND	19	2

Notes:

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2. This table includes only those compounds detected.
3. RSR criteria means Remedial Standard Regulation criteria established by the Connecticut Department of Environmental Protection (CTDEP)
4. NE means numeric RSR criteria not established by CTDEP.
5. ND means that the compound was not detected above laboratory detection limit.
6. Concentrations in bold type exceed criteria established by CTDEP.
7. ug/L means micrograms per liter; mg/l means milligrams per liter.

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 SUMMARY OF ANALYTICAL DATA - GROUNDWATER
 MILL ROCK PARK
 HAMDEN, CONNECTICUT

PARAMETER	GA/GAA Groundwater Protection Criteria	Surface Water Protection Criteria	Residential Volatilization Criteria	Sample ID:	MRP-HA103-MW								
					Sample Date:	27-Aug-02	16-Apr-03	23-Jul-03	28-Oct-03	22-Feb-04	6-May-04	29-Jul-04	17-Nov-04
Volatile Organic Compounds (ug/l):				Method:	8021B	8021B	8021B	8021B	8021B	8021B	524.2	524.2	524.2
Chloroform	6	420,000	26		ND	ND	6.2	ND	1.8	ND	6.8	1.2	2.3
M & P Xylenes	530	NE	8,700		ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ug/l):				Method:	8270C	8270C	8270C	8270C	8270C	8270C	525.2	525.2	525.2
Benzo[a]pyrene	0.2	0.3	NE		ND	ND	ND	ND	ND	ND	0.2	ND	ND
Chlorinated Pesticides (ug/l):	---	---	---	Method:	8081A	8081A	8081A	8081A	8081A	8081A	515	515	515
					ND	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (ug/l):	0.5	0.5	NE	Method:	8082	8082	8082	8082	8082	8082	505	505	505
					ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Petroleum Hydrocarbons (mg/l):	0.1	NE	NE	Method:	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH
					ND	ND	ND	ND	ND	ND	ND	ND	0.17
Total Metals (mg/l):	Method												
Arsenic	200.7	0.05	0.004	NE	ND	0.011	ND	ND	ND	0.0047	ND	ND	ND
Iron	200.7	NE	NE	NE	--	--	--	--	--	--	0.71	0.62	0.31
Manganese	200.7	NE	NE	NE	--	--	--	--	--	--	ND	2.2	1.5
Potassium	200.7	NE	NE	NE	--	--	--	--	--	--	2.1	6.6	4.4
Selenium	200.7	0.05	0.05	NE	ND	0.025	0.017	0.017	ND	0.013	ND	ND	0.015
Sodium	200.7	NE	NE	NE	--	--	--	--	--	--	17	12	11
Thallium	200.7	5	0.063	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	200.7	5	0.123	NE	ND	0.36	0.18	0.37	0.2	0.41	0.14	0.15	0.29
Total Cyanide (mg/l):	335.4	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other Analyses (mg/l)													
Alkalinity (CaCO ₃)	310.1	--	--	--	--	--	--	--	--	--	75	320	250
Ammonia as Nitrogen	350.3	--	--	--	--	--	--	--	--	--	0.12	0.92	0.63
B. O. D./ 5 Day	405.1	--	--	--	--	--	--	--	--	--	ND	ND	ND
Chloride	300.0	--	--	--	--	--	--	--	--	--	29	15	19
Nitrate as Nitrogen	300.0	--	--	--	--	--	--	--	--	--	1.4	0.44	0.94
pH	150.1	--	--	--	--	--	--	--	--	--	6.67	6.64	6.78
Sulfate	300.0	--	--	--	--	--	--	--	--	--	17	7.8	14
Total Dissolved Solids	160.1	--	--	--	--	--	--	--	--	--	210	390	310
Total Suspended Solids	160.2	--	--	--	--	--	--	--	--	--	32	17	1

- Notes:
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MILL ROCK PARK
HAMDEN, CONNECTICUT

PARAMETER	GA/GAA Groundwater Protection Criteria	Surface Water Protection Criteria	Residential Volatilization Criteria	Sample ID:	MRP-HA107-MW								
					Sample Date:	27-Aug-02	16-Apr-03	23-Jul-03	28-Oct-03	24-Feb-04	6-May-04	29-Jul-04	17-Nov-04
Volatile Organic Compounds (ug/l):				Method:	8021B	8021B	8021B	8021B	8021B	8021B	524.2	524.2	524.2
Chloroform	6	420,000	26		ND	ND	ND	ND	ND	ND	ND	ND	ND
M & P Xylenes	530	NE	8,700		ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ug/l):				Method:	8270C	8270C	8270C	8270C	8270C	8270C	525.2	525.2	525.2
Benzo[a]pyrene	0.2	0.3	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorinated Pesticides (ug/l):				Method:	8081A	8081A	8081A	8081A	8081A	8081A	515	515	515
	---	---	---		ND	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (ug/l):				Method:	8082	8082	8082	8082	8082	8082	505	505	505
	0.5	0.5	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Petroleum Hydrocarbons (mg/l):				Method:	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH	CT ETPH
	0.1	NE	NE		ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Metals (mg/l):	Method												
Arsenic	200.7	0.05	0.004	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	200.7	NE	NE	NE	--	--	--	--	--	--	ND	ND	0.15
Manganese	200.7	NE	NE	NE	--	--	--	--	--	--	ND	ND	ND
Potassium	200.7	NE	NE	NE	--	--	--	--	--	--	1.5	1.4	ND
Selenium	200.7	0.05	0.05	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	200.7	NE	NE	NE	--	--	--	--	--	--	27	27	22
Thallium	200.7	5	0.063	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	200.7	5	0.123	NE	ND	ND	ND	ND	ND	0.013	ND	0.01	ND
Total Cyanide (mg/l):	335.4	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other Analyses (mg/l)													
Alkalinity (CaCO ₃)	310.1	--	--	--	--	--	--	--	--	--	44	52	49
Ammonia as Nitrogen	350.3	--	--	--	--	--	--	--	--	--	0.11	0.23	ND
B. O. D./ 5 Day	405.1	--	--	--	--	--	--	--	--	--	ND	ND	ND
Chloride	300.0	--	--	--	--	--	--	--	--	--	46	45	34
Nitrate as Nitrogen	300.0	--	--	--	--	--	--	--	--	--	1.9	1.5	1.5
pH	150.1	--	--	--	--	--	--	--	--	--	6.43	6.5	6.31
Sulfate	300.0	--	--	--	--	--	--	--	--	--	19	18	19
Total Dissolved Solids	160.1	--	--	--	--	--	--	--	--	--	210	170	170
Total Suspended Solids	160.2	--	--	--	--	--	--	--	--	--	ND	ND	ND

Notes:

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MILL ROCK PARK
HAMDEN, CONNECTICUT

PARAMETER	GA/GAA	Surface	Residential	Sample ID:	MRP-HA201-MW	
	Groundwater	Water	Volatilization	Sample Date:	22-Nov-04	9-Feb-05
	Protection	Protection	Criteria			
	Criteria	Criteria				
Volatile Organic Compounds (ug/l):				Method:	524.2	524.2
Chloroform	6	420,000	26		ND	ND
M & P Xylenes	530	NE	8,700		ND	ND
Semi-Volatile Organic Compounds (ug/l):				Method:	525.2	525.2
Benzo[a]pyrene	0.2	0.3	NE		ND	ND
Chlorinated Pesticides (ug/l):	---	---	---	Method:	515	515
					ND	ND
Polychlorinated Biphenyls (ug/l):	0.5	0.5	NE	Method:	505	505
					ND	ND
Total Petroleum Hydrocarbons (mg/l):	0.1	NE	NE	Method:	CT ETPH	CT ETPH
					ND	ND
Total Metals (mg/l):	Method					
Arsenic	200.7	0.05	0.004	NE	ND	ND
Iron	200.7	NE	NE	NE	ND	ND
Manganese	200.7	NE	NE	NE	0.52	0.054
Potassium	200.7	NE	NE	NE	7.5	4.2
Selenium	200.7	0.05	0.05	NE	ND	0.012
Sodium	200.7	NE	NE	NE	9.5	8.9
Thallium	200.7	5	0.063	NE	ND	ND
Zinc	200.7	5	0.123	NE	0.041	0.71
Total Cyanide (mg/l):	335.4	NE	NE	NE	ND	ND
Other Analyses (mg/l)						
Alkalinity (CaCO ₃)	310.1	--	--	--	130	130
Ammonia as Nitrogen	350.3	--	--	--	0.66	0.14
B. O. D./ 5 Day	405.1	--	--	--	ND	ND
Chloride	300.0	--	--	--	7.9	11
Nitrate as Nitrogen	300.0	--	--	--	0.47	3
pH	150.1	--	--	--	6.79	6.48
Sulfate	300.0	--	--	--	46	29
Total Dissolved Solids	160.1	--	--	--	225	260
Total Suspended Solids	160.2	--	--	--	7	ND

Notes:

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TABLE V
SUMMARY OF ANALYTICAL DATA - GROUNDWATER
MILL ROCK PARK
HAMDEN, CONNECTICUT

PARAMETER	GA/GAA	Surface	Residential	Sample ID:	MRP-HA202-MW	
	Groundwater	Water	Volatilization	Sample Date:	17-Nov-04	9-Feb-05
	Protection	Protection	Criteria			
	Criteria	Criteria				
Volatile Organic Compounds (ug/l):				Method:	524.2	524.2
Chloroform	6	420,000	26		ND	ND
M & P Xylenes	530	NE	8,700		ND	ND
Semi-Volatile Organic Compounds (ug/l):				Method:	525.2	525.2
Benzo[a]pyrene	0.2	0.3	NE		ND	ND
Chlorinated Pesticides (ug/l):	---	---	---	Method:	515	515
					ND	ND
Polychlorinated Biphenyls (ug/l):	0.5	0.5	NE	Method:	505	505
					ND	ND
Total Petroleum Hydrocarbons (mg/l):	0.1	NE	NE	Method:	CT ETPH	CT ETPH
					ND	ND
Total Metals (mg/l):	Method					
Arsenic	200.7	0.05	0.004	NE	0.0044	ND
Iron	200.7	NE	NE	NE	0.88	17
Manganese	200.7	NE	NE	NE	0.56	0.51
Potassium	200.7	NE	NE	NE	7	3.9
Selenium	200.7	0.05	0.05	NE	ND	ND
Sodium	200.7	NE	NE	NE	7	8.1
Thallium	200.7	5	0.063	NE	0.05	ND
Zinc	200.7	5	0.123	NE	ND	ND
Total Cyanide (mg/l):	335.4	NE	NE	NE	ND	ND
Other Analyses (mg/l)						
Alkalinity (CaCO ₃)	310.1	--	--	--	390	350
Ammonia as Nitrogen	350.3	--	--	--	1.6	0.97
B. O. D./ 5 Day	405.1	--	--	--	ND	ND
Chloride	300.0	--	--	--	5.4	7.7
Nitrate as Nitrogen	300.0	--	--	--	ND	ND
pH	150.1	--	--	--	6.63	6.83
Sulfate	300.0	--	--	--	3.5	80
Total Dissolved Solids	160.1	--	--	--	420	480
Total Suspended Solids	160.2	--	--	--	71	58

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MILL ROCK PARK
HAMDEN, CONNECTICUT

PARAMETER	GA/GAA	Surface	Residential	Sample ID: MRP-HA204-MW		
	Groundwater	Water	Volatilization	Sample Date: 17-Nov-04	11-Feb-05	
	Protection	Protection	Criteria			
	Criteria	Criteria				
Volatile Organic Compounds (ug/l):				Method:	524.2	524.2
Chloroform	6	420,000	26		ND	ND
M & P Xylenes	530	NE	8,700		1	ND
Semi-Volatile Organic Compounds (ug/l):				Method:	525.2	525.2
Benzo[a]pyrene	0.2	0.3	NE		ND	ND
Chlorinated Pesticides (ug/l):	---	---	---	Method:	515	515
					ND	ND
Polychlorinated Biphenyls (ug/l):	0.5	0.5	NE	Method:	505	505
					ND	ND
Total Petroleum Hydrocarbons (mg/l):	0.1	NE	NE	Method:	CT ETPH	CT ETPH
					ND	ND
Total Metals (mg/l):	Method					
Arsenic	200.7	0.05	0.004	NE	0.0052	ND
Iron	200.7	NE	NE	NE	0.17	ND
Manganese	200.7	NE	NE	NE	5.1	0.26
Potassium	200.7	NE	NE	NE	7.5	5.3
Selenium	200.7	0.05	0.05	NE	0.014	ND
Sodium	200.7	NE	NE	NE	35	13
Thallium	200.7	5	0.063	NE	ND	ND
Zinc	200.7	5	0.123	NE	0.03	ND
Total Cyanide (mg/l):	335.4	NE	NE	NE	ND	ND
Other Analyses (mg/l)						
Alkalinity (CaCO ₃)	310.1	--	--	--	450	96
Ammonia as Nitrogen	350.3	--	--	--	1.1	0.48
B. O. D./ 5 Day	405.1	--	--	--	ND	ND
Chloride	300.0	--	--	--	32	13
Nitrate as Nitrogen	300.0	--	--	--	ND	0.49
pH	150.1	--	--	--	6.57	6.8
Sulfate	300.0	--	--	--	15	8.4
Total Dissolved Solids	160.1	--	--	--	520	160
Total Suspended Solids	160.2	--	--	--	28	1

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MILL ROCK PARK
HAMDEN, CONNECTICUT

PARAMETER	GA/GAA	Surface	Residential	Sample ID: TB-020905	TB-021105	
	Groundwater	Water	Volatilization	Sample Date: 9-Feb-05	11-Feb-05	
	Protection	Protection	Criteria			
	Criteria	Criteria				
Volatile Organic Compounds (ug/l):				Method:	524.2	524.2
Chloroform	6	420,000	26		ND	ND
M & P Xylenes	530	NE	8,700		ND	ND
Semi-Volatile Organic Compounds (ug/l):				Method:	525.2	525.2
Benzo[a]pyrene	0.2	0.3	NE		--	--
Chlorinated Pesticides (ug/l):	---	---	---	Method:	515	515
					--	--
Polychlorinated Biphenyls (ug/l):	0.5	0.5	NE	Method:	505	505
					--	--
Total Petroleum Hydrocarbons (mg/l):	0.1	NE	NE	Method:	CT ETPH	CT ETPH
					--	--
Total Metals (mg/l):	Method					
Arsenic	200.7	0.05	0.004	NE	--	--
Iron	200.7	NE	NE	NE	--	--
Manganese	200.7	NE	NE	NE	--	--
Potassium	200.7	NE	NE	NE	--	--
Selenium	200.7	0.05	0.05	NE	--	--
Sodium	200.7	NE	NE	NE	--	--
Thallium	200.7	5	0.063	NE	--	--
Zinc	200.7	5	0.123	NE	--	--
Total Cyanide (mg/l):	335.4	NE	NE	NE	--	--
Other Analyses (mg/l)						
Alkalinity (CaCO ₃)	310.1	--	--	--	--	--
Ammonia as Nitrogen	350.3	--	--	--	--	--
B. O. D./ 5 Day	405.1	--	--	--	--	--
Chloride	300.0	--	--	--	--	--
Nitrate as Nitrogen	300.0	--	--	--	--	--
pH	150.1	--	--	--	--	--
Sulfate	300.0	--	--	--	--	--
Total Dissolved Solids	160.1	--	--	--	--	--
Total Suspended Solids	160.2	--	--	--	--	--

Notes:

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