

**Table B:
Water Quality Results**

Location	Date	Eh	TEMP	pH	COND (TDS)	Dis O ₂
		<i>mV</i>	<i>°C</i>	<i>pH units</i>	<i>µS/cm (ppm)</i>	<i>mg/L</i>
MW25	13/10/2008	131	22.2	5.57	794	0.42
MWG66	14/10/2008	-120	19.5	5.64	712	0.1
MWG67	14/10/2008	-30	18.8	6.13	1248	0.36
MWG70	13/10/2008	149	22.4	5.47	7.35	2.9
MWG72	13/10/2008	117	21.3	6	728	2.81
MWG73	14/10/2008	147	19.3	6.35	538	0.72
MWG74	14/10/2008	160	17.8	5.45	4.24	2.47
MWG75	14/10/2008	124	19.9	5.62	1327	1.05
MWG76	14/10/2008	175	20.9	5.68	1987	0.35
MWG77	14/10/2008	2	19.4	5.99	2251	0.3
MWG78	14/10/2008	157	20	5.95	1360	0.42
MWG79	13/10/2008	152	19	5.19	430	2.2
MWG80	12/10/2008	68	22.2	6.13	1280	3.6
MWG81	12/10/2008	178	22.1	5.3	607	3.31
MWG83	12/10/2008	94	22.5	6.13	1090	2.92
MWG84	12/10/2008	111	23.1	5.6	1344	0.51
SG03	15/10/2008	83	24.6	6.41	490	2.12
SG05	15/10/2008	78	16.7	6.97	738	4.98
SG06	15/10/2008	47	17.2	7.03	729	5.52
SG07	15/10/2008	43	18.4	6.97	735	5.38

Table C
Groundwater Quality Results for Site, Lot 2 and Southwest Industrial Area

Location Code	MWG80	MWG80	MWG81	MWG81	MWG83	MWG83	MWG84	MWG84
Sampled Date Time	26/03/2008	12/10/2008	26/03/2008	12/10/2008	27/03/2008	12/10/2008	27/03/2008	12/10/2008
Field ID	Q4062-02	Q4980-01	Q4062-05	Q4980-02	Q4063-06	Q4980-04	Q4063-07	Q4980-05
Monitoring Zone	Southwest Industrial	Southwest Industrial	Southwest Industrial	Southwest Industrial	Lot 2	Lot 2	Lot 2	Lot 2

ChemName	output unit	Site and Lot 2 RBC inhalation only	Site and Lot 2 RBC								
Water Quality Parameters											
Bicarbonate Alkalinity	mg/L			82		24		62		100	
Carbonate Alkalinity	mg/L			<1		<1		<1		<1	
Total Alkalinity	mg/L			82		24		62		100	
Ammonia (as N)	mg/L			0.56		0.09		0.04		0.05	
Total Anions	meq/L										
Bicarbonate (as CaCO3)	mg/L										
Calcium	mg/L			23		6.5		12		23	
Calcium (Filtered)	mg/L										
Carbonate (as CaCO3)	mg/L										
Total Cations	meq/L										
Chloride	mg/L			320		180		280		250	
Fluoride	mg/L			<1		<1		<1		<1	
Magnesium	mg/L			21		33		13		59	
Magnesium (Filtered)	mg/L										
Nitrate (as N)	mg/L			1		5		1		6	
Nitrate as NO3(2-)	mg/L			4		<1		6		28	
Nitrite (as N)	mg/L			<1		<1		<1		<1	
Total Organic Carbon	mg/L			2		2		3		8	
Phosphorus	mg/L			<0.01		0.01		0.02		0.03	
Potassium	mg/L			8.3		4.8		5.4		9.9	
Potassium (Filtered)	mg/L										
Sodium	mg/L			210		100		210		120	
Sodium (Filtered)	mg/L										
Sulphate	mg/L			96		79		74		98	
Sulphate (Filtered)	mg/L										
Total Dissolved Solids	mg/L			720		490		680		730	
TKN (as N)	mg/L			0.6		0.1		0.3		0.5	
Inorganics											
Aluminium	mg/L	309	309	0.006		0.008		0.005		0.009	
Aluminium (Filtered)	mg/L	309	309								
Arsenic	mg/L	0.00241	0.00241	0.0011		0.0003		0.0012		0.0013	
Arsenic (Filtered)	mg/L	0.00241	0.00241								
Cadmium	mg/L	0.309	0.309	<5e-005		<5e-005		<5e-005		<5e-005	
Cadmium (Filtered)	mg/L	0.309	0.309								
Chromium	mg/L	0.928	0.928	<0.0002		0.0009		<0.0002		<0.0002	
Chromium (Filtered)	mg/L	0.928	0.928								
Copper	mg/L			0.0007		0.0013		<0.0005		0.0016	
Copper (Filtered)	mg/L										
Iron (ferrous)	mg/L			0.24		0.05		1.1		0.18	
Iron	mg/L	217	217	0.3		0.055		1.5		0.23	
Iron (Filtered)	mg/L	217	217								
Lead	mg/L			0.0001		<0.0001		<0.0001		<0.0001	
Lead (Filtered)	mg/L										
Manganese	mg/L	14.2	14.2	1.5		0.15		2.3		0.25	
Manganese (Filtered)	mg/L	14.2	14.2								
Mercury	mg/L			<1e-005		<1e-005		<1e-005		<1e-005	
Mercury (Filtered)	mg/L										
Nickel	mg/L	3.86	3.86	0.0046		0.0068		0.008		0.0053	
Nickel (Filtered)	mg/L	3.86	3.86								
Zinc	mg/L			0.017		0.0095		0.002		0.025	
Zinc (Filtered)	mg/L										
Total Petroleum Hydrocarbons											
Total C6-C36	mg/L			0.07	<0.05	0.24	<0.05	<0.05	<0.05	1.3	1.6
TPH C 6 - C 9 Fraction	mg/L	1920	22.9	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.55	0.44
TPH C10 - C14 Fraction	mg/L	325	0.655	0.01	<0.01	0.04	<0.01	<0.01	0.01	0.72	0.44
TPH C15 - C28 Fraction	mg/L	486	9.82	0.06	<0.05	0.13	<0.05	<0.05	<0.05	0.06	0.72
TPH C29-C36 Fraction	mg/L	46200	13.1	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05
TPH+C10 - C36 (Sum of total)	mg/L			0.095		0.23		<0.11		0.805	
TPH+C10 - C40 (Sum of total)	mg/L										
BTEX/MAH											
1,2,4-trimethylbenzene	mg/L	11	2.11	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	mg/L	8.65	2.76	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	mg/L	0.00274	0.00274	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002
Ethylbenzene	mg/L	3440	9.33	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	mg/L	534	4.16	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
n-Butylbenzene	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	mg/L	42.2	0.595	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-Isopropyltoluene	mg/L	529	4.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	mg/L	585	0.9	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	mg/L	382	28.8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes (m & p)	mg/L	122	89	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Xylenes (o)	mg/L	122	89	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.006
Xylenes (Sum of m,p & o)	mg/L	122	89	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0015	0.007

Table C
Groundwater Quality Results for Site, Lot 2 and Southwest Industrial Area

Location Code	MWG80	MWG80	MWG81	MWG81	MWG83	MWG83	MWG84	MWG84
Sampled Date Time	26/03/2008	12/10/2008	26/03/2008	12/10/2008	27/03/2008	12/10/2008	27/03/2008	12/10/2008
Field ID	Q4062-02	Q4980-01	Q4062-05	Q4980-02	Q4063-06	Q4980-04	Q4063-07	Q4980-05
Monitoring Zone	Southwest Industrial	Southwest Industrial	Southwest Industrial	Southwest Industrial	Lot 2	Lot 2	Lot 2	Lot 2

ChemName	output unit	Site and Lot 2 RBC inhalation only	Site and Lot 2 RBC							
Explosives										
1,3,5-Trinitrobenzene	mg/L									
2,4-Dinitrotoluene	mg/L									
2,6-Dinitrotoluene	mg/L									
PAH										
1-Methylnaphthalene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
2-Chloronaphthalene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
2-Methylnaphthalene	mg/L	0.133	0.133	<0.0001		<0.0001		<0.0001		<0.0001
3-Methylcholanthrene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
7,12-Dimethylbenz(a)anthracene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Acenaphthene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Acenaphthylene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Anthracene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Benz(a)anthracene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Benzo(a)pyrene	mg/L	0.000366		<0.0001		<0.0001		<0.0001		<0.0001
Benzo(b)fluoranthene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Benzo(g,h,i)perylene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Benzo(k)fluoranthene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Chrysene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Dibenz(a,h)anthracene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Fluoranthene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Fluorene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Indeno(1,2,3-c,d)pyrene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Naphthalene	mg/L	23.7	1.89	<0.0001	<0.001	<0.0001	<0.001	<0.0001	<0.001	<0.001
Phenanthrene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Pyrene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Phenolics										
2,4-Dimethylphenol	mg/L	72300	4.23	<0.0001		<0.0001		<0.0001		<0.0001
2,4-Dinitrophenol	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
2,5-Dimethylphenol	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
2,6-Dimethylphenol	mg/L		0.124	<0.0001		<0.0001		<0.0001		<0.0001
2-Methylphenol	mg/L	232000	11.8	<0.0001		<0.0001		<0.0001		<0.0001
2-Nitrophenol	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
3- & 4- Methylphenol	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
3-Methylphenol	mg/L	312000	11.3	<0.0001		<0.0001		<0.0001		<0.0001
4,6-Dinitro-2-methylphenol	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
4-Chloro-3-methylphenol	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
4-Methylphenol	mg/L	27300	11.3	<0.0001		<0.0001		<0.0001		<0.0001
4-Nitrophenol	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
2,3,4,5-Tetrachlorophenol	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
2,3,4,6-Tetrachlorophenol	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
2,4,5-Trichlorophenol	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
2,4,6-Trichlorophenol	mg/L	54.5	0.12	<0.0001		<0.0001		<0.0001		<0.0001
2,4-Dichlorophenol	mg/L	16200	0.482	<0.0001		<0.0001		<0.0001		<0.0001
2,6-Dichlorophenol	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
2-Chlorophenol	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Hexachlorophenol	mg/L									
Pentachlorophenol	mg/L	27.1	0.00302	<0.0001		<0.0001		<0.0001		<0.0001
Tetrachlorophenols (Sum of total)	mg/L									
Phenol	mg/L	3.6e+006	80.5	0.0001		0.0001		0.0001		<0.0001
Phthalates										
Bis(2-ethylhexyl) phthalate	mg/L	35700	0.0028	0.0066	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Butylbenzyl phthalate	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Diethyl phthalate	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001	<0.0001
Dimethyl phthalate	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Di-n-butyl phthalate	mg/L			<0.0005	<0.0001	<0.0005	<0.0001	<0.0005	<0.0001	<0.0001
Di-n-octyl phthalate	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Solvents										
2-Butanone	mg/L	187000	186	<0.005		<0.005		<0.005		<0.005
2-Hexanone	mg/L									
4-Methyl-2-pentanone	mg/L	58000	22.5	<0.001		<0.001		<0.001		<0.001
Acetone	mg/L	125000	284	<0.02		<0.02		<0.02		<0.02
Acetophenone	mg/L		26.4	<0.0001		<0.0001		<0.0001		<0.0001
Isophorone	mg/L	15	2.8	<0.0001		<0.0001		<0.0001		<0.0001
Vinyl acetate	mg/L									
SVOCs										
2-(Acetylamino) fluorene	mg/L									
2-Methylcholanthrene	mg/L									
3,3-Dichlorobenzidine	mg/L									
4-(Dimethylamino) azobenzene	mg/L									
4-Bromophenyl phenyl ether	mg/L									
4-Chlorophenyl phenyl ether	mg/L									
4-Nitroquinoline-n-oxide	mg/L									
Bis(2-chloroethoxy) methane	mg/L									
Bis(2-chloroethyl) ether	mg/L									
Dibenzofuran	mg/L									

Table C
Groundwater Quality Results for Site, Lot 2 and Southwest Industrial Area

Location Code	MWG80	MWG80	MWG81	MWG81	MWG83	MWG83	MWG84	MWG84
Sampled Date Time	26/03/2008	12/10/2008	26/03/2008	12/10/2008	27/03/2008	12/10/2008	27/03/2008	12/10/2008
Field ID	Q4062-02	Q4980-01	Q4062-05	Q4980-02	Q4063-06	Q4980-04	Q4063-07	Q4980-05
Monitoring Zone	Southwest Industrial	Southwest Industrial	Southwest Industrial	Southwest Industrial	Lot 2	Lot 2	Lot 2	Lot 2

ChemName	output unit	Site and Lot 2 RBC inhalation only	Site and Lot 2 RBC							
Hexachlorocyclopentadiene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Hexachlorophene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Methapyrilene	mg/L									
n-Nitrosomorpholine	mg/L									
n-Nitrosopiperidine	mg/L									
n-Nitrosopyrrolidine	mg/L									
Phenacetin	mg/L									
Organochlorine Pesticides										
4,4-DDE	mg/L									
a-BHC	mg/L									
Aldrin	mg/L									
Aldrin & Dieldrin (Sum of total)	mg/L									
b-BHC & g-BHC (Sum of total)	mg/L									
d-BHC	mg/L									
DDD	mg/L									
DDT	mg/L									
DDT+DDE+DDD (Sum of total)	mg/L									
Dieldrin	mg/L									
Endosulfan I	mg/L									
Endosulfan II	mg/L									
Endosulfan sulphate	mg/L									
Endrin	mg/L									
Heptachlor	mg/L									
Heptachlor & heptachlor epoxide (Sum of total)	mg/L									
Heptachlor epoxide	mg/L									
Organophosphorous Pesticides										
Chlorfenvinphos E	mg/L									
Chlorfenvinphos Z	mg/L									
Chlorpyrifos	mg/L									
Chlorpyrifos-methyl	mg/L									
Diazinon	mg/L									
Dichlorvos	mg/L									
Dimethoate	mg/L									
Ethion	mg/L									
Fenthion	mg/L									
Malathion	mg/L									
Pirimphos-ethyl	mg/L									
Prothiofos	mg/L									
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.003
1,1,2,2-Tetrabromoethane	mg/L			<0.0001		<0.0001		<0.0001		
1,1,2,2-Tetrabromoethene	mg/L									
1,1,2,2-Tetrachloroethane	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Tribromoethane	mg/L			<0.0001		<0.0001		<0.0001		
1,1,2-Trichloroethane	mg/L	0.00267	0.00267	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	mg/L			<0.001	<0.001	0.001	<0.001	<0.001	0.041	0.047
1,1-Dichloroethene	mg/L	172	3.51	<0.001	<0.001	0.001	<0.001	<0.001	0.022	0.031
1,1-Dichloropropene	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	mg/L			<0.0001	<0.001	<0.0001	<0.001	<0.001	<0.0001	<0.001
1,2-Dibromoethane	mg/L			<0.0001	<0.001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
cis- & trans-1,2-Dibromoethene	mg/L	54.2	1.46	<0.0001		<0.0001		<0.0001		
1,2-Dichloroethane	mg/L	0.00126	0.00126	<0.001	<0.001	<0.001	<0.001	<0.001	0.009	0.021
1,2-Dichloropropane	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	mg/L			<0.001 - 0.0001	<0.001	<0.0001	<0.001	<0.0001	<0.0001	<0.001
Bromodichloromethane	mg/L	0.25	0.25	<0.001 - 0.0003	<0.001	<0.0001	<0.001	<0.001 - 0.0006	<0.001 - 0.0002	<0.001
Bromoethane	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Bromoethyne	mg/L			<0.0001		<0.0001		<0.0001		<0.0001
Bromoform	mg/L	0.25	0.25	<0.001 - 0.0006	<0.001	<0.0001	<0.001 - 0.002	<0.001	<0.001 - 0.0004	<0.001
Bromomethane	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon disulfide	mg/L									
Carbon tetrachloride	mg/L	0.00075	0.00075	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorodibromomethane	mg/L	0.25		<0.001 - 0.0006	<0.001	<0.0001	<0.001 - 0.0011	<0.001	<0.001 - 0.0002	<0.001
Chloroethane	mg/L	0.0118	0.0118	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	mg/L	0.25	0.25	<0.001	<0.001	0.003	<0.001	0.002	0.001	0.12
Chloromethane	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dibromoethene	mg/L			<0.0001		<0.0001		<0.0001		0.028
cis-1,2-Dichloroethene	mg/L	47.6	3.17	<0.001	<0.001	0.009	0.003	0.009	0.023	0.22
cis-1,3-Dichloropropene	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,4-Dichloro-2-butene	mg/L									
Dibromomethane	mg/L			<0.0001	<0.001	<0.0001	<0.001	<0.001 - 0.0001	<0.001	<0.001
Dichlorodifluoromethane	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane	mg/L	0.0397	0.0397	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Table C
Groundwater Quality Results for Site, Lot 2 and Southwest Industrial Area

Location Code	MWG80	MWG80	MWG81	MWG81	MWG83	MWG83	MWG84	MWG84
Sampled Date Time	26/03/2008	12/10/2008	26/03/2008	12/10/2008	27/03/2008	12/10/2008	27/03/2008	12/10/2008
Field ID	Q4062-02	Q4980-01	Q4062-05	Q4980-02	Q4063-06	Q4980-04	Q4063-07	Q4980-05
Monitoring Zone	Southwest Industrial	Southwest Industrial	Southwest Industrial	Southwest Industrial	Lot 2	Lot 2	Lot 2	Lot 2

ChemName	output unit	Site and Lot 2 RBC inhalation only	Site and Lot 2 RBC								
Hexachlorobutadiene	mg/L			<0.0001	<0.001	<0.0001	<0.001	<0.0001	<0.001	<0.0001	<0.001
Hexachloroethane	mg/L			<0.0001		<0.0001		<0.0001		<0.0001	
Iodomethane	mg/L										
Pentachloroethane	mg/L			<0.0001		<0.0001		<0.0001		<0.0001	
Trichloroethene	mg/L	0.0351	0.0351	<0.001	<0.001	0.007	0.001	0.002	0.004	0.022	0.037
Tetrabromoethane	mg/L			<0.0001		<0.0001		<0.0001		<0.0001	
Tetrabromoethene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001	
Tetrachloroethene	mg/L	321	1.75	<0.001	<0.001	0.021	0.002	0.003	0.007	0.058	0.075
Trihalomethanes	mg/L			<0.001	<0.004	0.0005	<0.004	0.0005	0.0025	0.0005	0.1315
trans-1,2-Dibromoethene	mg/L			<0.0001		<0.0001		<0.0001		0.0043	
trans-1,2-dichloroethene	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
trans-1,3-dichloropropene	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,4-Dichloro-2-butene	mg/L										
Tribromoethane	mg/L										
1,1,2-Tribromoethene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001	
Trichlorofluoromethane	mg/L			<0.001	<0.001	0.01	0.001	<0.001	<0.001	0.008	0.009
Vinyl bromide (bromoethene)	mg/L	0.00113	0.00113	<0.0001	<0.001	<0.0001	<0.001	0.0016	0.001	0.047	0.15
Vinyl chloride	mg/L	0.0737	0.0737	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichlorobenzene	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001	
1,2,4-Trichlorobenzene	mg/L	21.5	0.76	<0.0001	<0.001	<0.0001	<0.001	<0.0001	<0.001	<0.001 - 0.0005	<0.001
1,2-Dichlorobenzene	mg/L	60.5	39.6	<0.0001	<0.001	<0.001 - 0.0001	<0.001	<0.001 - 0.0004	<0.001	0.013 - 0.023	0.073
1,3,5-Trichlorobenzene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001	
1,3-Dichlorobenzene	mg/L	16.8	16.8	<0.0001	<0.001	<0.0001	<0.001	<0.0001	<0.001	0.0044 - 0.006	0.008
1,4-Dichlorobenzene	mg/L	0.00373	0.00373	<0.0001	<0.001	<0.0001	<0.001	<0.001 - 0.0001	<0.001	0.004 - 0.007	0.031
2-Chlorotoluene	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	mg/L			<0.0001	<0.001	<0.0001	<0.001	<0.0001	<0.001	<0.0001	<0.001
Chlorobenzene	mg/L	80.3	2.74	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.055
Hexachlorobenzene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001	
Pentachlorobenzene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001	
Other											
Dipropylene glycol, methyl ether	mg/L										
Cyclohexylamine	mg/L										
Dibutylamine	mg/L										
Diethylamine	mg/L										
Dimethylamine	mg/L	0.361	0.0018								
Dipropylamine	mg/L										
Monoisopropylamine	mg/L										
n-Butylamine	mg/L										
n-Heptylamine	mg/L										
n-Hexylamine	mg/L										
n-Nitrosodiethylamine	mg/L										
n-Nitrosodi-n-butylamine	mg/L										
n-Nitrosodi-n-propylamine	mg/L										
n-Nitrosomethylethylamine	mg/L										
n-Propylamine	mg/L										
1-Naphthylamine	mg/L										
n-Nitrosodiphenylamine & Diphenylamine	mg/L										
2-Nitroaniline	mg/L										
3-Nitroaniline	mg/L										
4-Chloroaniline	mg/L										
4-Nitroaniline	mg/L										
Aniline	mg/L										
Azobenzene	mg/L										
Benzo(a)pyrene (TEQs)	mg/L			<0.00024		<0.00024		<0.00024		<0.00024	
Benzo(e)pyrene	mg/L										
Carbazole	mg/L										
cis-Dihydro-alpha-Terpineol	mg/L										
Coronene	mg/L										
Dimethyl heptanone	mg/L										
Eucalyptol	mg/L										
Hexachloropropene	mg/L			<0.0001		<0.0001		<0.0001		<0.0001	
Perylene	mg/L										
Chlorobenzilate	mg/L										
Dinoseb	mg/L			<0.0001		<0.0001		<0.0001		<0.0001	
Pronamide	mg/L										
2-Picoline	mg/L										
4-Aminobiphenyl	mg/L										
5-Nitro-o-toluidine	mg/L										
Nitrobenzene	mg/L										
Pentachloronitrobenzene	mg/L										

Table C
Groundwater Quality Results for Site, Lot 2 and Southwest Industrial Area

Location Code
Sampled Date Time
Field ID
Monitoring Zone

Statistical Summary

ChemName	output unit	Site and Lot 2 RBC inhalation only	Site and Lot 2 RBC	Number of Results	Number of Detects	Minimum Concentration	Minimum Detect	Maximum Concentration	Maximum Detect	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
Water Quality Parameters														
Bicarbonate Alkalinity	mg/L			6	6	24	24	160	160	80	72	47	0	0
Carbonate Alkalinity	mg/L			6	0	<1	ND	<1	ND	0.5	0.5	0	0	0
Total Alkalinity	mg/L			6	6	24	24	160	160	80	72	47	0	0
Ammonia (as N)	mg/L			6	5	<0.01	0.04	1	1	0.29	0.07	0.4	0	0
Total Anions	meq/L			1	1	8.2	8.2	8.2	8.2	8.2	8.2		0	0
Bicarbonate (as CaCO3)	mg/L			1	1	63	63	63	63	63	63		0	0
Calcium	mg/L			6	6	6.5	6.5	40	40	22	23	12	0	0
Calcium (Filtered)	mg/L			1	1	32	32	32	32	32	32		0	0
Carbonate (as CaCO3)	mg/L			1	0	<1	ND	<1	ND	0.5	0.5		0	0
Total Cations	meq/L			1	1	7.74	7.74	7.74	7.74	7.7	7.74		0	0
Chloride	mg/L			7	7	110	110	320	320	216	200	72	0	0
Fluoride	mg/L			6	0	<1	ND	<1	ND	0.5	0.5		0	0
Magnesium	mg/L			6	6	13	13	59	59	30	26.5	16	0	0
Magnesium (Filtered)	mg/L			1	1	5	5	5	5	5	5		0	0
Nitrate (as N)	mg/L			7	7	1	1	45	45	9.8	5	16	0	0
Nitrate as NO3(2-)	mg/L			6	5	<1	4	230	230	46	8	90	0	0
Nitrite (as N)	mg/L			6	0	<1	ND	<1	ND	0.5	0.5		0	0
Total Organic Carbon	mg/L			6	6	1	1	8	8	3.2	2.5	2.5	0	0
Phosphorus	mg/L			6	4	<0.01	0.01	0.03	0.03	0.013	0.01	0.0098	0	0
Potassium	mg/L			6	6	4.8	4.8	11	11	7.7	7.4	2.5	0	0
Potassium (Filtered)	mg/L			1	1	12	12	12	12	12	12		0	0
Sodium	mg/L			6	6	80	80	210	210	140	120	56	0	0
Sodium (Filtered)	mg/L			1	1	125	125	125	125	125	125		0	0
Sulphate	mg/L			6	6	22	22	98	98	75	80	28	0	0
Sulphate (Filtered)	mg/L			2	2	62	62	86	86	74	74	17	0	0
Total Dissolved Solids	mg/L			8	8	440	440	730	730	584	565	114	0	0
TKN (as N)	mg/L			6	5	<0.1	0.1	1.2	1.2	0.46	0.4	0.42	0	0
Inorganics														
Aluminium	mg/L	309	309	6	6	0.003	0.003	0.009	0.009	0.006	0.0055	0.0022	0	0
Aluminium (Filtered)	mg/L	309	309	1	1	0.016	0.016	0.016	0.016	0.016	0.016		0	0
Arsenic	mg/L	0.00241	0.00241	6	4	<0.0002	0.0003	0.0013	0.0013	0.00068	0.0007	0.00057	0	0
Arsenic (Filtered)	mg/L	0.00241	0.00241	2	1	<0.0005	0.002	0.002	0.002	0.0011	0.001125	0.0012	0	0
Cadmium	mg/L	0.309	0.309	6	6	0	ND	0	ND				0	0
Cadmium (Filtered)	mg/L	0.309	0.309	2	0	<0.0005	ND	<0.001	ND	0.00038	0.000375	0.00018	0	0
Chromium	mg/L	0.928	0.928	6	3	<0.0002	0.0004	0.0009	0.0009	0.00035	0.00025	0.00032	0	0
Chromium (Filtered)	mg/L	0.928	0.928	2	0	<0.001	ND	<0.001	ND	0.0005	0.0005		0	0
Copper	mg/L			6	5	<0.0005	0.0007	0.0016	0.0016	0.00098	0.001	0.00047	0	0
Copper (Filtered)	mg/L			1	1	0.001	0.001	0.001	0.001	0.001	0.001		0	0
Iron (ferrous)	mg/L			7	6	0.05	0.05	1.1	1.1	0.25	0.06	0.38	0	0
Iron	mg/L	217	217	6	6	0.055	0.055	1.5	1.5	0.37	0.149	0.56	0	0
Iron (Filtered)	mg/L	217	217	1	1	0.002	0.002	0.002	0.002	0.002	0.002		0	0
Lead	mg/L			6	1	<0.0001	0.0001	0.0001	0.0001	0.00058	0.00005	0.00002	0	0
Lead (Filtered)	mg/L			2	0	<0.001	ND	<0.001	ND	0.0005	0.0005		0	0
Manganese	mg/L	14.2	14.2	6	6	0.048	0.048	2.3	2.3	0.72	0.2	0.95	0	0
Manganese (Filtered)	mg/L	14.2	14.2	1	1	0.048	0.048	0.048	0.048	0.048	0.048		0	0
Mercury	mg/L			6	6	0	ND	0	ND				0	0
Mercury (Filtered)	mg/L			2	0	<0.0001	ND	<0.0005	ND	0.00015	0.00015	0.00014	0	0
Nickel	mg/L	3.86	3.86	6	6	0.0046	0.0046	0.01	0.01	0.0068	0.0065	0.002	0	0
Nickel (Filtered)	mg/L	3.86	3.86	2	1	<0.001	0.002	0.002	0.002	0.0013	0.00125	0.0011	0	0
Zinc	mg/L			6	6	0.002	0.002	0.025	0.025	0.011	0.0078	0.0088	0	0
Zinc (Filtered)	mg/L			2	1	<0.005	0.11	0.11	0.11	0.056	0.05625	0.076	0	0
Total Petroleum Hydrocarbons														
Total C6-C36	mg/L			15	6	<0.05	0.07	1.6	1.6	0.31	0.025	0.54	0	0
TPH C 6 - C 9 Fraction	mg/L	1920	22.9	21	9	<0.01	0.01	0.82	0.82	0.11	0.01	0.22	0	0
TPH C10 - C14 Fraction	mg/L	325	0.655	21	11	<0.01	0.01	0.72	0.72	0.085	0.02	0.18	1	1
TPH C15 - C28 Fraction	mg/L	486	9.82	21	6	<0.05	0.06	0.72	0.72	0.089	0.025	0.16	0	0
TPH C29-C36 Fraction	mg/L	46200	13.1	21	3	<0.05	0.06	0.165	0.165	0.037	0.025	0.035	0	0
TPH+C10 - C36 (Sum of total)	mg/L			13	8	0.07	0.07	0.805	0.805	0.22	0.1	0.22	0	0
TPH+C10 - C40 (Sum of total)	mg/L			1	1	0.09	0.09	0.09	0.09	0.09	0.09		0	0
BTEX/MAH														
1,2,4-trimethylbenzene	mg/L	11	2.11	21	4	<0.001	0.007	0.012	0.012	0.0022	0.0005	0.0034	0	0
1,3,5-Trimethylbenzene	mg/L	8.65	2.76	21	5	<0.001	0.001	<0.005	0.004	0.0011	0.0005	0.0012	0	0
Benzene	mg/L	0.00274	0.00274	21	7	<0.001	0.002	0.051	0.051	0.0057	0.0005	0.013	5	4
Ethylbenzene	mg/L	3440	9.33	21	5	<0.001	0.009	0.043	0.043	0.0044	0.0005	0.0093	0	0
Isopropylbenzene	mg/L	534	4.16	21	1	<0.001	0.001	<0.005	0.001	0.00062	0.0005	0.00044	0	0
n-Butylbenzene	mg/L			21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	0	0
n-Propylbenzene	mg/L	42.2	0.595	21	2	<0.001	0.001	<0.005	0.001	0.00064	0.0005	0.00045	0	0
p-Isopropyltoluene	mg/L	529	4.5	21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	0	0
sec-Butylbenzene	mg/L			21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	0	0
Styrene	mg/L	585	0.9	21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	0	0
tert-Butylbenzene	mg/L			21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	0	0
Toluene	mg/L	382	28.8	21	4	<0.001	0.003	0.052	0.052	0.0035	0.0005	0.011	0	0
Xylenes (m & p)	mg/L	122	89	21	8	<0.001	0.001	0.055	0.055	0.0086	0.0005	0.016	0	0
Xylene (o)	mg/L	122	89	21	8	<0.001	0.001	0.068	0.068	0.0051	0.0005	0.014	0	0
Xylenes (Sum of m,p & o)	mg/L	122	89	21	9	0.0015	0.0015	0.119	0.119	0.014	0.001	0.03	0	0

Table C
Groundwater Quality Results for Site, Lot 2 and Southwest Industrial Area

Location Code
Sampled Date Time
Field ID
Monitoring Zone

Statistical Summary

ChemName	output unit	Site and Lot 2 RBC inhalation only	Site and Lot 2 RBC	Number of Results	Numbers of Detects	Minimum Concentration	Minimum Detect	Maximum Concentration	Maximum Detect	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
Explosives														
1,3,5-Trinitrobenzene	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
2,4-Dinitrotoluene	mg/L			5	0	<0.004	ND	<0.004	ND	0.002	0.002	0	0	0
2,6-Dinitrotoluene	mg/L			5	0	<0.004	ND	<0.004	ND	0.002	0.002	0	0	0
PAH														
1-Methylnaphthalene	mg/L			6	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
2-Chloronaphthalene	mg/L			7	0	<0.0001	ND	<0.005	ND	0.0004	0.00005	0.00093	0	0
2-Methylnaphthalene	mg/L	0.133	0.133	11	1	<0.0001	0.0002	0.0002	0.0002	0.000064	0.00005	0.000045	0	0
3-Methylcholanthrene	mg/L			7	0	<0.0001	ND	<0.001	ND	0.00011	0.00005	0.00017	0	0
7,12-Dimethylbenz(a)anthracene	mg/L			12	0	<0.0001	ND	<0.001	ND	0.000088	0.00005	0.00013	0	0
Acenaphthene	mg/L			12	1	<0.0001	0.0005	<0.001	0.0005	0.00013	0.00005	0.00018	0	0
Acenaphthylene	mg/L			12	0	<0.0001	ND	<0.001	ND	0.000088	0.00005	0.00013	0	0
Anthracene	mg/L			12	0	<0.0001	ND	<0.001	ND	0.000088	0.00005	0.00013	0	0
Benz(a)anthracene	mg/L			12	0	<0.0001	ND	<0.001	ND	0.000088	0.00005	0.00013	0	0
Benzo(a)pyrene	mg/L	0.000366		12	5	<0.0001	ND	<0.001	ND	0.00011	0.00005	0.00017	1	0
Benzo(b)fluoranthene	mg/L			12	0	<0.0001	ND	<0.001	ND	0.000088	0.00005	0.00013	0	0
Benzo(g,h,i)perylene	mg/L			12	1	<0.0001	0.0002	<0.001	0.0002	0.0001	0.00005	0.00013	0	0
Benzo(k)fluoranthene	mg/L			12	0	<0.0001	ND	<0.001	ND	0.000088	0.00005	0.00013	0	0
Chrysene	mg/L			12	0	<0.0001	ND	<0.001	ND	0.000088	0.00005	0.00013	0	0
Dibenz(a,h)anthracene	mg/L			12	1	<0.0001	0.0002	<0.001	0.0002	0.0001	0.00005	0.00013	0	0
Fluoranthene	mg/L			12	0	<0.0001	ND	<0.001	ND	0.000088	0.00005	0.00013	0	0
Fluorene	mg/L			12	0	<0.0001	ND	<0.001	ND	0.000088	0.00005	0.00013	0	0
Indeno(1,2,3-c,d)pyrene	mg/L			12	1	<0.0001	0.0002	<0.001	0.0002	0.0001	0.00005	0.00013	0	0
Naphthalene	mg/L	23.7	1.89	21	6	<0.0001	0.001	0.013	0.013	0.00094	0.00005	0.0015	0	0
Phenanthrene	mg/L			12	0	<0.0001	ND	<0.001	ND	0.000088	0.00005	0.00013	0	0
Pyrene	mg/L			12	0	<0.0001	ND	<0.001	ND	0.000088	0.00005	0.00013	0	0
Phenolics														
2,4-Dimethylphenol	mg/L	72300	4.23	13	0	<0.0001	ND	<0.005	ND	0.00024	0.00005	0.00068	0	0
2,4-Dinitrophenol	mg/L			8	0	<0.0001	ND	<0.005	ND	0.00036	0.00005	0.00087	0	0
2,5-Dimethylphenol	mg/L			7	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
2,6-Dimethylphenol	mg/L		0.124	7	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
2-Methylphenol	mg/L	232000	11.8	13	1	<0.0001	0.0003	<0.005	0.0003	0.00026	0.00005	0.00068	0	0
2-Nitrophenol	mg/L			13	0	<0.0001	ND	<0.005	ND	0.00041	0.00005	0.00067	0	0
3- & 4- Methylphenol	mg/L			8	0	<0.0001	ND	<0.005	ND	0.00036	0.00005	0.00087	0	0
3-Methylphenol	mg/L	312000	11.3	5	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
4,6-Dinitro-2-methylphenol	mg/L			8	0	<0.0001	ND	<0.005	ND	0.00036	0.00005	0.00087	0	0
4-Chloro-3-methylphenol	mg/L			13	5	<0.0001	ND	<0.005	ND	0.00036	0.00005	0.00087	0	0
4-Methylphenol	mg/L	27300	11.3	5	1	<0.0001	0.0002	0.0002	0.0002	0.00008	0.00005	0.00067	0	0
4-Nitrophenol	mg/L			13	0	<0.0001	ND	<0.005	ND	0.00041	0.00005	0.00067	0	0
2,3,4,5-Tetrachlorophenol	mg/L			1	0	<0.005	ND	<0.005	ND	0.0025	0.0025	0	0	0
2,3,4,6-Tetrachlorophenol	mg/L			12	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
2,4,5-Trichlorophenol	mg/L			13	0	<0.0001	ND	<0.005	ND	0.00024	0.00005	0.00068	0	0
2,4,6-Trichlorophenol	mg/L	54.5	0.12	13	0	<0.0001	ND	<0.005	ND	0.00024	0.00005	0.00068	0	0
2,4-Dichlorophenol	mg/L	16200	0.482	13	0	<0.0001	ND	<0.005	ND	0.00024	0.00005	0.00068	0	0
2,6-Dichlorophenol	mg/L			13	0	<0.0001	ND	<0.005	ND	0.00024	0.00005	0.00068	0	0
2-Chlorophenol	mg/L			13	5	<0.0001	ND	<0.005	ND	0.00036	0.00005	0.00087	0	0
Hexachlorophenol	mg/L			5	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
Pentachlorophenol	mg/L	27.1	0.00302	13	5	<0.0001	ND	<0.005	ND	0.00036	0.00005	0.00087	1	0
Tetrachlorophenols (Sum of total)	mg/L			1	0	<0.005	ND	<0.005	ND	0.0025	0.0025	0	0	0
Phenol	mg/L	3.6e+006	80.5	13	6	<0.0001	0.0001	0.0172	0.0172	0.0016	0.0001	0.0047	0	0
Phthalates														
Bis(2-ethylhexyl) phthalate	mg/L	35700	0.0028	20	5	<0.0001	0.0003	0.071	0.071	0.007	0.00005	0.016	7	4
Butylbenzyl phthalate	mg/L			20	1	<0.0001	0.01	0.01	0.01	0.00076	0.00005	0.0022	0	0
Diethyl phthalate	mg/L			20	1	<0.0001	0.0001	<0.002	0.0001	0.00031	0.00005	0.00042	0	0
Dimethyl phthalate	mg/L			20	0	<0.0001	ND	<0.002	ND	0.00031	0.00005	0.00042	0	0
Di-n-butyl phthalate	mg/L			20	0	<0.0001	ND	<0.002	ND	0.00037	0.00025	0.00039	0	0
Di-n-octyl phthalate	mg/L			20	0	<0.0001	ND	<0.002	ND	0.00031	0.00005	0.00042	0	0
Solvents														
2-Butanone	mg/L	187000	186	12	0	<0.005	ND	<0.05	ND	0.0052	0.0025	0.0063	0	0
2-Hexanone	mg/L			5	0	<0.01	ND	<0.05	ND	0.009	0.005	0.0089	0	0
4-Methyl-2-pentanone	mg/L	58000	22.5	12	0	<0.001	ND	<0.05	ND	0.0042	0.0015	0.0069	0	0
Acetone	mg/L	125000	284	6	0	<0.02	ND	<0.02	ND	0.01	0.01	0	0	0
Acetophenone	mg/L		26.4	11	1	<0.0001	0.003	0.003	0.003	0.00066	0.00005	0.0009	0	0
Isophorone	mg/L	15	2.8	11	0	<0.0001	ND	<0.002	ND	0.00048	0.00005	0.0005	0	0
Vinyl acetate	mg/L			5	0	<0.01	ND	<0.05	ND	0.009	0.005	0.0089	0	0
SVOCs														
2-(Acetylamino) fluorene	mg/L			5	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
2-Methylcholanthrene	mg/L			5	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
3,3-Dichlorobenzidine	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
4-(Dimethylamino) azobenzene	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
4-Bromophenyl phenyl ether	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
4-Chlorophenyl phenyl ether	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
4-Nitroquinoline-n-oxide	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Bis(2-chloroethoxy) methane	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Bis(2-chloroethyl) ether	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Dibenzofuran	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0

Table C
Groundwater Quality Results for Site, Lot 2 and Southwest Industrial Area

Location Code
Sampled Date Time
Field ID
Monitoring Zone

Statistical Summary

ChemName	output unit	Site and Lot 2 RBC inhalation only	Site and Lot 2 RBC	Number of Results	Number of Detects	Minimum Concentration	Minimum Detect	Maximum Concentration	Maximum Detect	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
Hexachlorocyclopentadiene	mg/L			12	0	<0.0001	ND	<0.01	ND	0.0023	0.001275	0.0025	0	0
Hexachlorophene	mg/L			8	0	<0.0001	ND	<0.005	ND	0.00036	0.00005	0.00087	0	0
Methapyrilene	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
n-Nitrosomorpholine	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
n-Nitrosopiperidine	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
n-Nitrosopyrrolidine	mg/L			5	0	<0.004	ND	<0.004	ND	0.002	0.002	0	0	0
Phenacetin	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Organochlorine Pesticides														
4,4-DDE	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
a-BHC	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Aldrin	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Aldrin & Dieldrin (Sum of total)	mg/L			5	0	<0.004	ND	<0.004	ND	0.002	0.002	0	0	0
b-BHC & g-BHC (Sum of total)	mg/L			5	0	<0.004	ND	<0.004	ND	0.002	0.002	0	0	0
d-BHC	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
DDD	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
DDT	mg/L			5	0	<0.004	ND	<0.004	ND	0.002	0.002	0	0	0
DDT+DDE+DDD (Sum of total)	mg/L			5	0	<0.008	ND	<0.008	ND	0.004	0.004	0	0	0
Dieldrin	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Endosulfan I	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Endosulfan II	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Endosulfan sulphate	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Endrin	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Heptachlor	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Heptachlor & heptachlor edpoxide (Sum of total)	mg/L			5	0	<0.004	ND	<0.004	ND	0.002	0.002	0	0	0
Heptachlor epoxide	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Organophosphorous Pesticides														
Chlorfenvinphos E	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Chlorfenvinphos Z	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Chlorpyrifos	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Chlorpyrifos-methyl	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Diazinon	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Dichlorvos	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Dimethoate	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Ethion	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Fenthion	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Malathion	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Pirimphos-ethyl	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Prothiofos	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	mg/L			21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	0	0
1,1,1-Trichloroethane	mg/L			21	2	<0.001	0.002	<0.005	0.003	0.00079	0.0005	0.00073	0	0
1,1,2,2-Tetrabromoethane	mg/L			7	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
1,1,2,2-Tetrabromoethene	mg/L			1	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
1,1,2,2-Tetrachloroethane	mg/L			21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	0	0
1,1,2-Tribromoethane	mg/L			7	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
1,1,2-Trichloroethane	mg/L	0.00267	0.00267	21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	1	0
1,1-Dichloroethane	mg/L			21	3	<0.001	0.001	0.047	0.047	0.0048	0.0005	0.013	0	0
1,1-Dichloroethene	mg/L	172	3.51	21	4	<0.001	0.001	0.031	0.031	0.0031	0.0005	0.0079	0	0
1,1-Dichloropropene	mg/L			21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	0	0
1,2,3-Trichloropropane	mg/L			21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	0	0
1,2-Dibromo-3-chloropropane	mg/L			21	0	<0.0001	ND	<0.005	ND	0.00083	0.0005	0.00098	0	0
1,2-Dibromoethane	mg/L			21	0	<0.0001	ND	<0.005	ND	0.00045	0.0005	0.00052	0	0
cis- & trans-1,2-Dibromoethene	mg/L	54.2	1.46	6	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
1,2-Dichloroethane	mg/L	0.00126	0.00126	21	3	<0.001	0.001	0.021	0.021	0.002	0.0005	0.0047	3	2
1,2-Dichloropropane	mg/L			21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	0	0
1,3-Dichloropropane	mg/L			21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	0	0
2,2-Dichloropropane	mg/L			21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	0	0
Bromochloromethane	mg/L			16	2	<0.0001	0.001	0.0012	0.0012	0.00038	0.0005	0.00028	0	0
Bromodichloromethane	mg/L	0.25	0.25	21	4	<0.0001	0.0022	<0.005	0.003	0.00062	0.0005	0.00066	0	0
Bromoethane	mg/L			7	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
Bromoethyne	mg/L			7	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
Bromoform	mg/L	0.25	0.25	21	4	<0.0001	0.0013	<0.005	0.004	0.00073	0.0005	0.00083	0	0
Bromomethane	mg/L			21	0	<0.001	ND	<0.005	ND	0.0025	0.0005	0.0055	0	0
Carbon disulfide	mg/L			5	0	<0.005	ND	<0.005	ND	0.0025	0.0025	0	0	0
Carbon tetrachloride	mg/L	0.00075	0.00075	21	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00044	21	0
Chlorodibromomethane	mg/L	0.25		21	4	<0.0001	0.001	0.005	0.005	0.00074	0.0005	0.00097	0	0
Chloroethane	mg/L	0.0118	0.0118	21	0	<0.001	ND	<0.005	ND	0.0025	0.0005	0.0055	1	0
Chloroform	mg/L	0.25	0.25	21	7	<0.001	0.001	0.13	0.13	0.013	0.0005	0.037	0	0
Chloromethane	mg/L			21	0	<0.001	ND	<0.005	ND	0.0025	0.0005	0.0055	0	0
cis-1,2-Dibromoethene	mg/L			7	1	<0.0001	0.028	0.028	0.028	0.004	0.00005	0.011	0	0
cis-1,2-Dichloroethene	mg/L	47.6	3.17	21	9	<0.001	0.002	1	1	0.061	0.0005	0.22	0	0
cis-1,3-Dichloropropene	mg/L			21	0	<0.001	ND	<0.01	ND	0.00081	0.0005	0.00098	0	0
cis-1,4-Dichloro-2-butene	mg/L			5	0	<0.001	ND	<0.005	ND	0.0009	0.0005	0.00089	0	0
Dibromomethane	mg/L			21	2	<0.0001	0.0023	<0.005	0.003	0.00058	0.0005	0.00069	0	0
Dichlorodifluoromethane	mg/L			21	1	<0.001	0.001	<0.05	0.001	0.0025	0.0005	0.0054	0	0
Dichloromethane	mg/L	0.0397	0.0397	16	0	<0.01	ND	<0.1	ND	0.0078	0.005	0.011	1	0

Table C
Groundwater Quality Results for Site, Lot 2 and Southwest Industrial Area

Location Code
Sampled Date Time
Field ID
Monitoring Zone

ChemName	output unit	Site and Lot 2 RBC inhalation only	Site and Lot 2 RBC	Statistical Summary										
				Number of Results	Number of Detects	Minimum Concentration	Minimum Detect	Maximum Concentration	Maximum Detect	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
Hexachlorobutadiene	mg/L			21	0	<0.0001	ND	<0.002	ND	0.0004	0.0005	0.00025	0	0
Hexachloroethane	mg/L			12	0	<0.0001	ND	<0.005	ND	0.00065	0.000525	0.00075	0	0
Iodomethane	mg/L			5	0	<0.001	ND	<0.005	ND	0.0009	0.0005	0.00089	0	0
Pentachloroethane	mg/L			12	0	<0.0001	ND	<0.005	ND	0.0013	0.001275	0.0013	0	0
Trichloroethene	mg/L	0.0351	0.0351	21	8	<0.001	0.001	0.3	0.3	0.029	0.0005	0.078	3	3
Tetrabromoethane	mg/L			7	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
Tetrabromoethene	mg/L			7	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
Tetrachloroethene	mg/L	321	1.75	21	10	<0.001	0.002	0.075	0.075	0.0089	0.002	0.02	0	0
Trihalomethanes	mg/L			21	7	0.0005	0.0005	0.1315	0.1315	0.0075	0.0005	0.028	0	0
trans-1,2-Dibromoethene	mg/L			7	1	<0.0001	0.0043	0.0043	0.0043	0.00066	0.00005	0.0016	0	0
trans-1,2-dichloroethene	mg/L			21	1	<0.001	0.002	<0.005	0.002	0.00067	0.0005	0.00053	0	0
trans-1,3-dichloropropene	mg/L			21	0	<0.001	ND	<0.01	ND	0.00081	0.0005	0.00098	0	0
trans-1,4-Dichloro-2-butene	mg/L			5	0	<0.001	ND	<0.005	ND	0.0009	0.0005	0.00089	0	0
Tribromoethane	mg/L			1	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
1,1,2-Tribromoethene	mg/L			7	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
Trichlorofluoromethane	mg/L			21	6	<0.001	0.001	<0.05	0.01	0.004	0.001	0.0057	0	0
Vinyl bromide (bromoethene)	mg/L	0.00113	0.00113	15	4	<0.0001	0.001	0.15	0.15	0.014	0.0005	0.04	3	3
Vinyl chloride	mg/L	0.0737	0.0737	21	0	<0.001	ND	<0.05	ND	0.0025	0.0005	0.0055	0	0
1,2,3-Trichlorobenzene	mg/L			21	0	<0.0005	ND	<0.005	ND	0.00055	0.0005	0.00046	0	0
1,2,4,5-Tetrachlorobenzene	mg/L			7	0	<0.0001	ND	<0.005	ND	0.0004	0.00005	0.00093	0	0
1,2,4-Trichlorobenzene	mg/L	21.5	0.76	21	1	<0.0001	ND	<0.002	0.0005	0.00037	0.0005	0.00024	0	0
1,2-Dichlorobenzene	mg/L	60.5	39.6	21	6	<0.0001	0.013	0.073	0.073	0.0048	0.0005	0.016	0	0
1,3,5-Trichlorobenzene	mg/L			7	0	<0.0001	ND	<0.005	ND	0.0004	0.00005	0.00093	0	0
1,3-Dichlorobenzene	mg/L	16.8	16.8	21	2	<0.0001	0.0044	0.008	0.008	0.00095	0.0005	0.0019	0	0
1,4-Dichlorobenzene	mg/L	0.00373	0.00373	21	3	<0.0001	0.004	0.031	0.031	0.0021	0.0005	0.0067	2	2
2-Chlorotoluene	mg/L			21	1	<0.0005	0.001	<0.005	0.001	0.00058	0.0005	0.00046	0	0
4-Chlorotoluene	mg/L			21	0	<0.0005	ND	<0.005	ND	0.00055	0.0005	0.00046	0	0
Bromobenzene	mg/L			21	0	<0.0001	ND	<0.005	ND	0.0004	0.00025	0.00052	0	0
Chlorobenzene	mg/L	80.3	2.74	21	2	<0.0005	0.002	0.055	0.055	0.0032	0.0005	0.012	0	0
Hexachlorobenzene	mg/L			12	0	<0.0001	ND	<0.005	ND	0.0011	0.001025	0.0011	0	0
Pentachlorobenzene	mg/L			12	0	<0.0001	ND	<0.005	ND	0.00065	0.000525	0.00075	0	0
Other														
Dipropylene glycol, methyl ether	mg/L			1	0	<0.01	ND	<0.01	ND	0.005	0.005	0	0	0
Cyclohexylamine	mg/L			1	0	<0.2	ND	<0.2	ND	0.1	0.1	0	0	0
Dibutylamine	mg/L			1	0	<0.2	ND	<0.2	ND	0.1	0.1	0	0	0
Diethylamine	mg/L			1	0	<0.2	ND	<0.2	ND	0.1	0.1	0	0	0
Dimethylamine	mg/L	0.361	0.0018	1	0	<0.2	ND	<0.2	ND	0.1	0.1	0	1	0
Dipropylamine	mg/L			1	0	<0.2	ND	<0.2	ND	0.1	0.1	0	0	0
Monoisopropylamine	mg/L			1	0	<0.2	ND	<0.2	ND	0.1	0.1	0	0	0
n-Butylamine	mg/L			1	0	<0.2	ND	<0.2	ND	0.1	0.1	0	0	0
n-Heptylamine	mg/L			1	0	<0.2	ND	<0.2	ND	0.1	0.1	0	0	0
n-Hexylamine	mg/L			1	0	<0.2	ND	<0.2	ND	0.1	0.1	0	0	0
n-Nitrosodiethylamine	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
n-Nitrosodi-n-butylamine	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
n-Nitrosodi-n-propylamine	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
n-Nitrosomethylethylamine	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
n-Propylamine	mg/L			1	0	<0.2	ND	<0.2	ND	0.1	0.1	0	0	0
1-Naphthylamine	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
n-Nitrosodiphenylamine & Diphenylamine	mg/L			5	0	<0.004	ND	<0.004	ND	0.002	0.002	0	0	0
2-Nitroaniline	mg/L			5	0	<0.004	ND	<0.004	ND	0.002	0.002	0	0	0
3-Nitroaniline	mg/L			5	0	<0.004	ND	<0.004	ND	0.002	0.002	0	0	0
4-Chloroaniline	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
4-Nitroaniline	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Aniline	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Azobenzene	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Benzo(a)pyrene (TEQs)	mg/L			12	1	<0.00019	0.00026	<0.0024	0.00026	0.00021	0.00012	0.00031	0	0
Benzo(e)pyrene	mg/L			5	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
Carbazole	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
cis-Dihydro-alpha-Terpineol	mg/L			1	0	<0.01	ND	<0.01	ND	0.005	0.005	0	0	0
Coronene	mg/L			5	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
Dimethyl heptanone	mg/L			1	0	<0.005	ND	<0.005	ND	0.0025	0.0025	0	0	0
Eucalyptol	mg/L			1	0	<0.01	ND	<0.01	ND	0.005	0.005	0	0	0
Hexachloropropene	mg/L			12	0	<0.0001	ND	<0.005	ND	0.00065	0.000525	0.00075	0	0
Perylene	mg/L			5	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
Chlorobenzilate	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Dinoseb	mg/L			8	0	<0.0001	ND	<0.005	ND	0.00036	0.00005	0.00087	0	0
Pronamide	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
2-Picoline	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
4-Aminobiphenyl	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
5-Nitro-o-toluidine	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Nitrobenzene	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0
Pentachloronitrobenzene	mg/L			5	0	<0.002	ND	<0.002	ND	0.001	0.001	0	0	0

Table D:
Water Quality Results for Damplands and Surface Water

Location Code	MWG66	MWG66	MWG67	MWG67	MWG73	MWG73	MWG74	MWG74	MWG75	MWG75	MWG75	MWG75	MWG75	MWG75	MWG76
Sampled Date Time	3/04/2008	14/10/2008	3/04/2008	14/10/2008	3/04/2008	14/10/2008	3/04/2008	14/10/2008	3/04/2008	3/04/2008	3/04/2008	14/10/2008	14/10/2008	14/10/2008	3/04/2008
Field ID	Q4068-02	Q4982-10	Q4068-04	Q4982-09	Q4068-11	Q4982-01	Q4068-10	Q4982-02	Q4068-07	Q4068-08	Q4069-01	Q4982-03	Q4982-04	Q4983 - 01	Q4068-09
Monitoring Zone	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands

ChemName	output unit	Aquatic Screening Criteria	Damplands with Swimmer RBC (Helena River)	Damplands excluding Swimmer RBC												
Water Quality Parameters																
Bicarbonate Alkalinity	mg/L				40		84		60		16		60	60		60
Carbonate Alkalinity	mg/L				<1		<1		<1		<1		<1			<1
Hydroxide Alkalinity (as CaCO3)	mg/L												<1			
Total Alkalinity	mg/L				40		84		60		16		60	60		60
Total Alkalinity (as CaCO3)	mg/L															
Ammonia	mg/L												52			
Ammonia (as N)	mg/L				0.08		0.85		<0.02		<0.02		0.16	0.16		<0.02
Total Anions	meq/L												11			
Bicarbonate	mg/L												52			
Bicarbonate (as CaCO3)	mg/L															
Calcium	mg/L				8.2		15		11		1.8		21	20	21	28
Calcium (Filtered)	mg/L															
Carbonate	mg/L												<1			
Carbonate (as CaCO3)	mg/L															
Total Cations	meq/L												11.8			
Chloride	mg/L				160		320		86		71		290	280	285	500
Fluoride	mg/L				<1		<1		<1		<1		<1	<1		<1
Ionic Balance	%														3.61	
Total Kjeldahl Nitrogen	mg/L															
Magnesium	mg/L	82			16		23		6.9		6.7		31	29	31	38
Magnesium (Filtered)	mg/L	82														
Nitrate (as N)	mg/L	31			<0.2		<0.2		9		5		5	5	4.78	1
Nitrate as NO3(2-)	mg/L	7			<0.9		<0.9		40		20		24	24		5
Nitrite (as N)	mg/L				<1		<1		<1		<1		<1	<1	0.115	<1
Nitrogen (Total Oxidised)	mg/L														4.89	
Total Organic Carbon	mg/L				1		1		2		1		2	2	2	1
Phosphorus	mg/L				0.03		0.02		<0.01		0.01		0.01	0.01	<0.01	0.02
Potassium	mg/L				5.5		11		4.5		3.9		7.5	7.1	9	11
Potassium (Filtered)	mg/L															
Sodium	mg/L				100		170		89		58		170	160	184	320
Sodium (Filtered)	mg/L															
Sulphate	mg/L				50		<10		37		31		73	73	74	120
Sulphate (Filtered)	mg/L															
Sulphur (as S)	mg/L														25	
Total Dissolved Solids	mg/L				360		690		320		290		710	680	710	1100
TKN (as N)	mg/L				0.2		1.1		<0.02		<0.02		0.2	0.2	0.5	0.1
Metals																
Aluminium	mg/L	0.055	152	309	0.001		0.001		<0.001		0.007		0.004	0.004		0.003
Aluminium (Filtered)	mg/L	0.055	152	309											<0.01	
Arsenic	mg/L	0.013			0.0008		0.0007		0.0003		0.0002		0.0004	0.0004		0.0008
Arsenic (Filtered)	mg/L	0.013													<0.001	
Cadmium	mg/L	0.0002			<5e-005		<5e-005		<5e-005		<5e-005		<5e-005	<5e-005		<5e-005
Cadmium (Filtered)	mg/L	0.0002													<0.0001	
Chromium	mg/L	0.001			0.0002		<0.0002		0.0003		0.0006		<0.0002	<0.0002		<0.0002
Chromium (Filtered)	mg/L	0.001													<0.001	
Copper	mg/L	0.0014			0.0006		0.0009		0.0012		0.0019		0.0008	0.0025		0.003
Copper (Filtered)	mg/L	0.0014													<0.001	
Iron (ferrous)	mg/L				1.5		21		<0.05		<0.05		0.12	0.12	0.06	0.16
Iron	mg/L	0.3	106	217	2.1		30		0.036		0.008		0.15	0.14		0.21
Iron (Filtered)	mg/L	0.3	106	217											0.11	
Lead	mg/L	0.0034			<0.0001		<0.0001		<0.0001		<0.0001		<0.0001	<0.0001		<0.0001
Lead (Filtered)	mg/L	0.0034													<0.001	
Manganese	mg/L	1.9	9.1	14.2	0.34		4.3		0.14		0.023		0.98	0.98		0.49
Manganese (Filtered)	mg/L	1.9	9.1	14.2											0.907	
Mercury	mg/L	6e-005			<1e-005		<1e-005		<1e-005		<1e-005		<1e-005	<1e-005		<1e-005
Mercury (Filtered)	mg/L	6e-005													<0.0001	
Nickel	mg/L	0.011	1.92	3.86	0.0008		0.013		0.0007		0.0008		0.0046	0.0043		0.0039
Nickel (Filtered)	mg/L	0.011	1.92	3.86											0.004	
Zinc	mg/L	0.008			0.002		0.013		0.0034		0.0028		0.0091	0.0079		0.0079
Zinc (Filtered)	mg/L	0.008													0.007	
Total Petroleum Hydrocarbons																
Total C6-C36	mg/L				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH C 6 - C 9 Fraction	mg/L		8	22.9	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.12	<0.01
TPH C10 - C14 Fraction	mg/L				<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01
TPH C15 - C28 Fraction	mg/L				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05
TPH C29-C36 Fraction	mg/L				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH+C10 - C36 (Sum of total)	mg/L				<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.2	<0.11
TPH+C10 - C40 (Sum of total)	mg/L															

Table D: Water Quality Results for Damplands and Surface Water

Table with columns: Location Code, MWG66, MWG66, MWG67, MWG67, MWG73, MWG73, MWG74, MWG74, MWG75, MWG75, MWG75, MWG75, MWG75, MWG76. Rows include Sampled Date Time, Field ID, and Monitoring Zone.

Main data table with columns: ChemName, output unit, Aquatic Screening Criteria, Damplands with Swimmer RBC (Helena River), Damplands excluding Swimmer RBC. Rows are categorized by BTEX/MAH, Explosives, PAH, Phenolics, and Phthalates.

**Table D:
Water Quality Results for Damplands and Surface Water**

Location Code	MWG66	MWG66	MWG67	MWG67	MWG73	MWG73	MWG74	MWG74	MWG75	MWG75	MWG75	MWG75	MWG75	MWG75	MWG76
Sampled Date Time	3/04/2008	14/10/2008	3/04/2008	14/10/2008	3/04/2008	14/10/2008	3/04/2008	14/10/2008	3/04/2008	3/04/2008	3/04/2008	14/10/2008	14/10/2008	14/10/2008	3/04/2008
Field ID	Q4068-02	Q4982-10	Q4068-04	Q4982-09	Q4068-11	Q4982-01	Q4068-10	Q4982-02	Q4068-07	Q4068-08	Q4069-01	Q4982-03	Q4982-04	Q4983 - 01	Q4068-09
Monitoring Zone	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands

ChemName	output unit	Aquatic Screening Criteria	Damplands with Swimmer RBC (Helena River)	Damplands excluding Swimmer RBC													
Butene	mg/L																<0.02
Coronene	mg/L																<0.0001
Ethane	mg/L																<0.01
Ethene	mg/L																<0.01
Hexachloropropene	mg/L																<0.0001
Methane	mg/L																<0.01
Perylene	mg/L																<0.0001
Propane	mg/L																<0.01
Propene	mg/L																<0.01
Tetrachloronaphthalene	mg/L																<0.0001
Trichloronaphthalene	mg/L																<0.0001
1,2,3-Trichlorobenzene	mg/L																<0.001
1,2,4,5-Tetrachlorobenzene	mg/L																<0.0001
1,2,4-Trichlorobenzene	mg/L	0.003															<0.0001
1,2-Dichlorobenzene	mg/L	0.16															<0.0001
1,3,5-Trichlorobenzene	mg/L																<0.0001
1,3-Dichlorobenzene	mg/L	0.26															<0.0001
1,4-Dichlorobenzene	mg/L	0.06															<0.0001
2-Chlorotoluene	mg/L	0.003															<0.001
4-Chlorotoluene	mg/L	0.003															<0.001
Bromobenzene	mg/L																<0.0001
Chlorobenzene	mg/L	0.055															<0.001
Hexachlorobenzene	mg/L																<0.0001
Pentachlorobenzene	mg/L																<0.0001
Other																	
1-Naphthylamine	mg/L																<0.002
Dinoseb	mg/L																<0.0001
Pronamide	mg/L																<0.002
2-Picoline	mg/L																<0.002
4-Aminobiphenyl	mg/L																<0.002
5-Nitro-o-toluidine	mg/L																<0.002
Nitrobenzene	mg/L																<0.002
Pentachloronitrobenzene	mg/L																<0.002
Chlorobenzilate	mg/L																<0.002

**Table D:
Water Quality Results for Damplands and Surface Water**

Location Code	MWG76	MWG77	MWG77	MWG78	MWG78	MWG79	MWG79	POND	River1	River2	River3	SG03	SG03	SG05	SG06	SG07
Sampled Date Time	14/10/2008	3/04/2008	14/10/2008	3/04/2008	14/10/2008	3/04/2008	14/10/2008	10/04/2008	20/09/2006	20/09/2006	20/09/2006	15/10/2008	15/10/2008	15/10/2008	15/10/2008	15/10/2008
Field ID	Q4982-05	Q4068-06	Q4982-08	Q4070-02	Q4982-06	Q4068-12	Q4982-07	2800-03	River1	River2	River3	Q4984-04	Q4984-05	Q4984-01	Q4984-02	Q4984-03
Monitoring Zone	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands	Damplands		Helena River	Helena River	Helena River					

ChemName	output unit	Aquatic Screening Criteria	Damplands with Swimmer RBC (Helena River)	Damplands excluding Swimmer RBC															
Butene	mg/L																		
Coronene	mg/L																		
Ethane	mg/L																		
Ethene	mg/L																		
Hexachloropropene	mg/L					<0.0001		<0.0001		<0.0001									
Methane	mg/L																		
Perylene	mg/L																		
Propane	mg/L																		
Propene	mg/L																		
Tetrachloronaphthalene	mg/L																		
Trichloronaphthalene	mg/L																		
1,2,3-Trichlorobenzene	mg/L					<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4,5-Tetrachlorobenzene	mg/L					<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,2,4-Trichlorobenzene	mg/L	0.003				<0.001	<0.0001	<0.001	<0.0001	<0.001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	mg/L	0.16				<0.001	<0.0001	<0.001	0.003 - 0.005	0.001	<0.001 - 0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trichlorobenzene	mg/L					<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
1,3-Dichlorobenzene	mg/L	0.26				<0.001	<0.0001	<0.001	<0.001 - 0.0006	<0.001	<0.001 - 0.0007	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	mg/L	0.06				<0.001	<0.0001	<0.001	0.0009 - 0.001	<0.001	<0.001 - 0.0002	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene	mg/L	0.003				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene	mg/L	0.003				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	mg/L					<0.001	<0.0001	<0.001	<0.0001	<0.001	<0.0001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene	mg/L	0.055				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobenzene	mg/L					<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Pentachlorobenzene	mg/L					<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Other																			
1-Naphthylamine	mg/L																		
Dinoseb	mg/L					<0.0001		<0.0001		<0.0001									
Pronamide	mg/L																		
2-Picoline	mg/L																		
4-Aminobiphenyl	mg/L																		
5-Nitro-o-toluidine	mg/L																		
Nitrobenzene	mg/L																		
Pentachloronitrobenzene	mg/L																		
Chlorobenzilate	mg/L																		

Table D:
Water Quality Results for Damplands and Surface Water

Location Code
Sampled Date Time
Field ID
Monitoring Zone

ChemName	output unit	Aquatic Screening Criteria	Damplands with Swimmer RBC (Helena River)	Damplands excluding Swimmer RBC
Water Quality Parameters				
Bicarbonate Alkalinity	mg/L			
Carbonate Alkalinity	mg/L			
Hydroxide Alkalinity (as CaCO3)	mg/L			
Total Alkalinity	mg/L			
Total Alkalinity (as CaCO3)	mg/L			
Ammonia	mg/L			
Ammonia (as N)	mg/L			
Total Anions	meq/L			
Bicarbonate	mg/L			
Bicarbonate (as CaCO3)	mg/L			
Calcium	mg/L			
Calcium (Filtered)	mg/L			
Carbonate	mg/L			
Carbonate (as CaCO3)	mg/L			
Total Cations	meq/L			
Chloride	mg/L			
Fluoride	mg/L			
Ionic Balance	%			
Total Kjeldahl Nitrogen	mg/L			
Magnesium	mg/L	82		
Magnesium (Filtered)	mg/L	82		
Nitrate (as N)	mg/L	31		
Nitrate as NO3(2-)	mg/L	7		
Nitrite (as N)	mg/L			
Nitrogen (Total Oxidised)	mg/L			
Total Organic Carbon	mg/L			
Phosphorus	mg/L			
Potassium	mg/L			
Potassium (Filtered)	mg/L			
Sodium	mg/L			
Sodium (Filtered)	mg/L			
Sulphate	mg/L			
Sulphate (Filtered)	mg/L			
Sulphur (as S)	mg/L			
Total Dissolved Solids	mg/L			
TKN (as N)	mg/L			
Metals				
Aluminium	mg/L	0.055	152	309
Aluminium (Filtered)	mg/L	0.055	152	309
Arsenic	mg/L	0.013		
Arsenic (Filtered)	mg/L	0.013		
Cadmium	mg/L	0.0002		
Cadmium (Filtered)	mg/L	0.0002		
Chromium	mg/L	0.001		
Chromium (Filtered)	mg/L	0.001		
Copper	mg/L	0.0014		
Copper (Filtered)	mg/L	0.0014		
Iron (ferrous)	mg/L			
Iron	mg/L	0.3	106	217
Iron (Filtered)	mg/L	0.3	106	217
Lead	mg/L	0.0034		
Lead (Filtered)	mg/L	0.0034		
Manganese	mg/L	1.9	9.1	14.2
Manganese (Filtered)	mg/L	1.9	9.1	14.2
Mercury	mg/L	6e-005		
Mercury (Filtered)	mg/L	6e-005		
Nickel	mg/L	0.011	1.92	3.86
Nickel (Filtered)	mg/L	0.011	1.92	3.86
Zinc	mg/L	0.008		
Zinc (Filtered)	mg/L	0.008		
Total Petroleum Hydrocarbons				
Total C6-C36	mg/L			
TPH C 6 - C 9 Fraction	mg/L		8	22.9
TPH C10 - C14 Fraction	mg/L			
TPH C15 - C28 Fraction	mg/L			
TPH C29-C36 Fraction	mg/L			
TPH+C10 - C36 (Sum of total)	mg/L			
TPH+C10 - C40 (Sum of total)	mg/L			

Statistical Summary

Number of Results	Number of Detects	Minimum Concentration	Minimum Detect	Maximum Concentration	Maximum Detect	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
15	15	16	16	120	120	66	60	28	0	0
15	0	<1	ND	<1	ND	0.5	0.5	0	0	0
1	0	<1	ND	<1	ND	0.5	0.5		0	0
15	15	16	16	120	120	66	60	28	0	0
4	4	52	52	130	130	87	83	32	0	0
1	1	0.214	0.214	0.214	0.214	0.21	0.214		0	0
13	8	<0.02	0.08	0.85	0.85	0.15	0.15	0.22	0	0
1	1	11	11	11	11	11	11		0	0
1	1	52	52	52	52	52	52		0	0
3	3	78	78	130	130	99	88	28	0	0
16	16	1.8	1.8	28	28	16	17	8.1	0	0
3	3	20	20	22	22	21	21	1	0	0
1	0	<1	ND	<1	ND	0.5	0.5		0	0
3	0	<1	ND	<1	ND	0.5	0.5	0	0	0
1	1	11.8	11.8	11.8	11.8	12	11.8		0	0
19	19	71	71	560	560	227	220	132	0	0
13	0	<1	ND	<1	ND	0.5	0.5	0	0	0
1	1	3.61	3.61	3.61	3.61	3.6	3.61		0	0
3	3	0.6	0.6	0.9	0.9	0.7	0.6	0.17	0	0
16	16	6.7	6.7	41	41	20	15.5	11	0	0
3	3	21	21	23	23	22	21	1.2	0	0
19	8	<0.2	1	9	9	1.9	0.5	2.5	0	0
10	7	<0.9	4	40	40	12	5.5	14	4	4
14	1	0.115	0.115	<1	0.115	0.47	0.5	0.1	0	0
1	1	4.89	4.89	4.89	4.89	4.9	4.89		0	0
11	11	1	1	4	4	1.6	1	0.92	0	0
14	10	<0.01	0.01	0.03	0.03	0.015	0.015	0.009	0	0
16	16	3.9	3.9	11	11	6.9	6.4	2.5	0	0
3	3	5.2	5.2	5.8	5.8	5.5	5.4	0.31	0	0
16	16	55	55	340	340	144	99	89	0	0
3	3	120	120	140	140	127	120	12	0	0
16	13	<1	26	120	120	44	34	32	0	0
3	3	31	31	33	33	32	33	1.2	0	0
1	1	25	25	25	25	25	25		0	0
19	19	290	290	1200	1200	553	530	261	0	0
11	9	<0.02	0.1	1.1	1.1	0.25	0.2	0.31	0	0
15	14	<0.001	0.001	0.065	0.065	0.013	0.004	0.019	1	1
4	3	<0.01	0.067	0.091	0.091	0.058	0.0685	0.037	3	3
15	10	0.0002	0.0002	0.0011	0.0011	0.00046	0.0003	0.00028	0	0
4	3	0.0005	0.0005	<0.001	0.0005	0.0005	0.0005	0	0	0
15	10	<0.0005	ND	<0.0005	ND	0.00025	0.00025	0	5	0
4	3	<0.0001	ND	<0.0001	ND	0.00005	0.00005		0	0
15	5	<0.0002	0.0002	<0.001	0.0008	0.00035	0.0003	0.00023	0	0
4	3	0.0009	0.0009	0.0012	0.0012	0.00093	0.001	0.00031	2	2
15	9	<0.0005	0.0006	0.003	0.003	0.0011	0.0008	0.00082	4	4
4	3	0.0005	0.0005	0.0012	0.0012	0.00068	0.0005	0.00035	0	0
19	17	<0.05	0.06	21	21	2.1	0.17	5.3	0	0
15	15	0.008	0.008	30	30	3.9	1.8	8.2	9	9
4	4	0.11	0.11	1.6	1.6	1.2	1.5	0.71	3	3
15	0	<0.0001	ND	<0.001	ND	0.0002	0.00005	0.00022	0	0
4	3	0.0005	0.0005	<0.001	0.0005	0.0005	0.0005	0	0	0
15	15	0.023	0.023	4.3	4.3	0.56	0.15	1.1	1	1
4	4	0.085	0.085	0.907	0.907	0.29	0.089	0.41	0	0
15	10	<0.0005	ND	<0.0005	ND	0.00025	0.00025	0	0	0
4	3	<0.0001	ND	<0.0001	ND	0.00005	0.00005		0	0
15	10	0.0007	0.0007	0.013	0.013	0.0028	0.0008	0.0038	1	1
4	4	0.0004	0.0004	0.004	0.004	0.0014	0.00055	0.0018	0	0
15	15	0.002	0.002	0.019	0.019	0.007	0.007	0.0046	5	5
4	4	0.0039	0.0039	0.007	0.007	0.0053	0.00505	0.0015	0	0
25	1	<0.05	0.55	0.55	0.55	0.046	0.025	0.11	0	0
31	3	<0.01	0.02	0.12	0.12	0.01	0.005	0.021	0	0
31	1	<0.01	0.43	0.43	0.43	0.021	0.005	0.076	0	0
31	1	<0.05	0.1	0.1	0.1	0.03	0.025	0.015	0	0
31	0	<0.05	ND	<0.05	ND	0.025	0.025	0	0	0
15	1	<0.11	0.555	0.555	0.555	0.094	0.055	0.13	0	0
3	0	<0.05	ND	<0.05	ND	0.025	0.025	0	0	0

**Table D:
Water Quality Results for Damplands and Surface Water**

Location Code
Sampled Date Time
Field ID
Monitoring Zone

ChemName	output unit	Aquatic Screening Criteria	Damplands with Swimmer RBC (Helena River)	Damplands excluding Swimmer RBC
BTEX/MAH				
1,2,4-trimethylbenzene	mg/L	0.033		
1,3,5-Trimethylbenzene	mg/L	0.071		
Benzene	mg/L	0.95		
Ethylbenzene	mg/L	0.08		
Isopropylbenzene	mg/L	0.03		
n-Butylbenzene	mg/L			
n-Propylbenzene	mg/L			
p-Isopropyltoluene	mg/L	0.085		
sec-Butylbenzene	mg/L			
Styrene	mg/L	0.072		
tert-Butylbenzene	mg/L			
Toluene	mg/L	0.3		
Xylenes (m & p)	mg/L	0.275		
Xylene (o)	mg/L	0.35		
Xylenes (Sum of m,p & o)	mg/L			
Explosives				
1,3,5-Trinitrobenzene	mg/L			
2,4-Dinitrotoluene	mg/L			
2,6-Dinitrotoluene	mg/L			
PAH				
1-Chloronaphthalene	mg/L			
1-Methylnaphthalene	mg/L	0.0021		
2-Chloronaphthalene	mg/L			
2-Methylnaphthalene	mg/L	0.0047		
3-Methylcholanthrene	mg/L			
7,12-Dimethylbenz(a)anthracene	mg/L			
Acenaphthene	mg/L			
Acenaphthylene	mg/L			
Anthracene	mg/L	0.00001		
Benz(a)anthracene	mg/L			
Benzo(a)pyrene	mg/L	0.0001		
Benzo(b)fluoranthene	mg/L			
Benzo(g,h,i)perylene	mg/L			
Benzo(k)fluoranthene	mg/L			
Chloronaphthalenes (1- & 2-)	mg/L			
Chrysene	mg/L			
Dibenz(a,h)anthracene	mg/L			
Fluoranthene	mg/L	0.001		
Fluorene	mg/L			
Indeno(1,2,3-c,d)pyrene	mg/L			
Naphthalene	mg/L	0.016		
Phenanthrene	mg/L	0.0006		
Pyrene	mg/L	2.5e-008		
Phenolics				
2,4-Dimethylphenol	mg/L	0.002		
2,4-Dinitrophenol	mg/L			
2,5-Dimethylphenol	mg/L			
2,6-Dimethylphenol	mg/L			
2-Methylphenol	mg/L	0.013		
2-Nitrophenol	mg/L			
3- & 4- Methylphenol	mg/L	0.543		
3-Methylphenol	mg/L			
4,6-Dinitro-2-methylphenol	mg/L			
4-Chloro-3-methylphenol	mg/L	0.003		
4-Methylphenol	mg/L	0.543		
4-Nitrophenol	mg/L			
2,3,4,6-Tetrachlorophenol	mg/L			
2,4,5-Trichlorophenol	mg/L			
2,4,6-Trichlorophenol	mg/L	0.003		
2,4-Dichlorophenol	mg/L	0.12		
2,6-Dichlorophenol	mg/L	0.034		
2-Chlorophenol	mg/L			
Pentachlorophenol	mg/L	0.0036		
Phenol	mg/L	0.32		
Phthalates				
Bis(2-ethylhexyl) phthalate	mg/L	0.0006		
Butylbenzyl phthalate	mg/L	0.0002		
Diethyl phthalate	mg/L	0.0002		
Dimethyl phthalate	mg/L	0.0002		
Di-n-butyl phthalate	mg/L	0.0099		
Di-n-octyl phthalate	mg/L	0.0002		

Statistical Summary

Number of Results	Number of Detects	Minimum Concentration	Minimum Detect	Maximum Concentration	Maximum Detect	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
31	0	<0.001	ND	<0.005	ND	0.00069	0.0005	0.0006	0	0
31	0	<0.001	ND	<0.005	ND	0.00069	0.0005	0.0006	0	0
31	0	<0.001	ND	<0.005	ND	0.00056	0.0005	0.00036	0	0
31	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00037	0	0
31	0	<0.001	ND	<0.005	ND	0.00069	0.0005	0.0006	0	0
31	0	<0.001	ND	<0.005	ND	0.00069	0.0005	0.0006	0	0
31	0	<0.001	ND	<0.005	ND	0.00069	0.0005	0.0006	0	0
31	0	<0.001	ND	<0.005	ND	0.00069	0.0005	0.0006	0	0
31	0	<0.001	ND	<0.005	ND	0.00069	0.0005	0.0006	0	0
31	0	<0.001	ND	<0.005	ND	0.00069	0.0005	0.0006	0	0
31	1	<0.001	ND	<0.005	0.004	0.00067	0.0005	0.0006	0	0
31	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00037	0	0
31	0	<0.001	ND	<0.005	ND	0.0006	0.0005	0.00037	0	0
31	0	<0.002	ND	<0.01	ND	0.0012	0.001	0.00075	0	0
1	0	<0.002	ND	<0.002	ND	0.001	0.001		0	0
1	0	<0.004	ND	<0.004	ND	0.002	0.002		0	0
1	0	<0.004	ND	<0.004	ND	0.002	0.002		0	0
1	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005		0	0
10	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	11	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
31	1	<0.0001	ND	<0.007	0.0001	0.00054	0.0005	0.00082	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
11	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
12	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
10	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
10	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
10	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
12	1	<0.0001	0.0003	0.0003	0.0003	0.00071	0.00005	0.00072	0	0
12	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
10	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
2	1	<0.0001	0.0005	0.0005	0.0005	0.00028	0.000275	0.00032	0	0
10	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
12	2	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
2	1	<0.0001	0.036	0.036	0.036	0.018	0.018025	0.025	0	0
12	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
12	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
12	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
12	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
12	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
12	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
12	9	<0.0001	0.0001	0.0002	0.0002	0.00012	0.0001	0.00063	0	0
12	2	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
12	8	<0.0001	0.0001	0.0011	0.0011	0.00028	0.0002	0.00031	0	0
27	10	<0.0001	0.0002	<0.02	0.0006	0.00094	0.00005	0.0026	5	3
27	1	<0.0001	0.0001	<0.002	0.0001	0.00012	0.00005	0.00025	2	0
27	6	<0.0001	0.0001	<0.002	0.0001	0.00013	0.00005	0.00025	2	0
27	0	<0.0001	ND	<0.002	ND	0.00012	0.00005	0.00025	2	0
27	10	<0.0001	0.0001	<0.002	0.0009	0.00025	0.00005	0.0003	0	0
27	0	<0.0001	ND	<0.002	ND	0.00012	0.00005	0.00025	2	0

Table D:
Water Quality Results for Damplands and Surface Water

Location Code
Sampled Date Time
Field ID
Monitoring Zone

Main data table with columns: ChemName, output unit, Aquatic Screening Criteria, Damplands with Swimmer RBC (Helena River), Damplands excluding Swimmer RBC. Rows include Solvents, SVOCs, and Volatile Organic Compounds.

Statistical Summary

Statistical Summary table with columns: Number of Results, Number of Detects, Minimum Concentration, Minimum Detect, Maximum Concentration, Maximum Detect, Average Concentration, Median Concentration, Standard Deviation, Number of Guideline Exceedances, Number of Guideline Exceedances (Detects Only).

Table D:
Water Quality Results for Damplands and Surface Water

Location Code
Sampled Date Time
Field ID
Monitoring Zone

ChemName	output unit	Aquatic Screening Criteria	Damplands with Swimmer RBC (Helena River)	Damplands excluding Swimmer RBC
Butene	mg/L			
Coronene	mg/L			
Ethane	mg/L			
Ethene	mg/L			
Hexachloropropene	mg/L			
Methane	mg/L			
Perylene	mg/L			
Propane	mg/L			
Propene	mg/L			
Tetrachloronaphthalene	mg/L			
Trichloronaphthalene	mg/L			
1,2,3-Trichlorobenzene	mg/L			
1,2,4,5-Tetrachlorobenzene	mg/L			
1,2,4-Trichlorobenzene	mg/L	0.003		
1,2-Dichlorobenzene	mg/L	0.16		
1,3,5-Trichlorobenzene	mg/L			
1,3-Dichlorobenzene	mg/L	0.26		
1,4-Dichlorobenzene	mg/L	0.06		
2-Chlorotoluene	mg/L	0.003		
4-Chlorotoluene	mg/L	0.003		
Bromobenzene	mg/L			
Chlorobenzene	mg/L	0.055		
Hexachlorobenzene	mg/L			
Pentachlorobenzene	mg/L			
Other				
1-Naphthylamine	mg/L			
Dinoseb	mg/L			
Pronamide	mg/L			
2-Picoline	mg/L			
4-Aminobiphenyl	mg/L			
5-Nitro-o-toluidine	mg/L			
Nitrobenzene	mg/L			
Pentachloronitrobenzene	mg/L			
Chlorobenzilate	mg/L			

Statistical Summary

Number of Results	Number of Detects	Minimum Concentration	Minimum Detect	Maximum Concentration	Maximum Detect	Average Concentration	Median Concentration	Standard Deviation	Number of Guideline Exceedances	Number of Guideline Exceedances (Detects Only)
1	0	<0.02	ND	<0.02	ND	0.01	0.01		0	0
1	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005		0	0
1	0	<0.01	ND	<0.01	ND	0.005	0.005		0	0
1	0	<0.01	ND	<0.01	ND	0.005	0.005		0	0
10	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
1	0	<0.01	ND	<0.01	ND	0.005	0.005		0	0
1	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005		0	0
1	0	<0.01	ND	<0.01	ND	0.005	0.005		0	0
1	0	<0.01	ND	<0.01	ND	0.005	0.005		0	0
1	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005		0	0
1	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005		0	0
31	0	<0.001	ND	<0.005	ND	0.00069	0.0005	0.0006	0	0
10	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
31	0	<0.0001	ND	<0.005	ND	0.00055	0.0005	0.00068	3	0
31	5	<0.0001	0.001	0.005	0.005	0.00072	0.0005	0.0009	0	0
10	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
31	2	<0.0001	ND	<0.005	0.0007	0.00058	0.0005	0.00067	0	0
31	2	<0.0001	0.0009	<0.005	0.001	0.00059	0.0005	0.00067	0	0
31	0	<0.001	ND	<0.005	ND	0.00069	0.0005	0.0006	3	0
31	0	<0.001	ND	<0.005	ND	0.00069	0.0005	0.0006	3	0
31	0	<0.0001	ND	<0.005	ND	0.00055	0.0005	0.00068	0	0
31	0	<0.001	ND	<0.005	ND	0.00069	0.0005	0.0006	0	0
10	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
10	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
1	0	<0.002	ND	<0.002	ND	0.001	0.001		0	0
10	0	<0.0001	ND	<0.0001	ND	0.00005	0.00005	0	0	0
1	0	<0.002	ND	<0.002	ND	0.001	0.001		0	0
1	0	<0.002	ND	<0.002	ND	0.001	0.001		0	0
1	0	<0.002	ND	<0.002	ND	0.001	0.001		0	0
1	0	<0.002	ND	<0.002	ND	0.001	0.001		0	0
1	0	<0.002	ND	<0.002	ND	0.001	0.001		0	0
1	0	<0.002	ND	<0.002	ND	0.001	0.001		0	0
1	0	<0.002	ND	<0.002	ND	0.001	0.001		0	0

Table F:
Results of Trip Blanks and Wash Blanks

SDG	M081870	M081871	M081870	M081871	M081872	M081883	EP0805745
Field ID	Q4980-03	Q4981-03	Q4980-06	Q4981-06	Q4982-11	Q4984-06	Q4983 - 02
Date	12/10/2008	13/10/2008	12/10/2008	13/10/2008	14/10/2008	15/10/2008	14/10/2008
Sample Type	Rinsate	Rinsate	Trip_B	Trip_B	Trip_B	Trip_B	Trip_B

ChemName	Units							
VOCs								
1,1,1,2-Tetrachloroethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,1,1-Trichloroethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,1,2,2-Tetrachloroethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,1,2-Trichloroethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,1-Dichloroethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,1-Dichloroethene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,1-Dichloropropene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,2,3-Trichlorobenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,2,3-Trichloropropane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,2,4-Trichlorobenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,2,4-trimethylbenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,2-Dibromo-3-chloropropane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,2-Dibromoethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,2-Dichlorobenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,2-Dichloroethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,2-Dichloropropane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,3,5-Trimethylbenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,3-Dichlorobenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,3-Dichloropropane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
1,4-Dichlorobenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
2,2-Dichloropropane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
2-Chlorotoluene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
4-Chlorotoluene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
Benzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Bromobenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Bromochloromethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
Bromodichloromethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Bromoform	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Bromomethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05
Carbon tetrachloride	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Chlorobenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Chlorodibromomethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Chloroethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05
Chloroform	mg/l	0.002	0.002	0.002	0.002	0.002	<0.001	<0.005
Chloromethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05
cis-1,2-Dichloroethene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
cis-1,3-Dichloropropene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Dibromomethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Dichlorodifluoromethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05
Dichloromethane	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Ethylbenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Hexachlorobutadiene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Isopropylbenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Naphthalene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.007
n-Butylbenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
n-Propylbenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
p-Isopropyltoluene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
sec-Butylbenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Styrene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Trichloroethylene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
tert-Butylbenzene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Tetrachloroethene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Toluene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
trans-1,2-dichloroethene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
trans-1,3-dichloropropene	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Trichlorofluoromethane	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05
Vinyl chloride	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.05
Xylenes (m & p)	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
Xylene (o)	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
2-Butanone	mg/l	-	-	-	-	-	-	<0.05
2-Hexanone	mg/l	-	-	-	-	-	-	<0.05
4-Chlorotoluene	mg/l	-	-	-	-	-	-	<0.005
4-Methyl-2-pentanone	mg/l	-	-	-	-	-	-	<0.05
Carbon disulfide	mg/l	-	-	-	-	-	-	<0.005
cis-1,4-Dichloro-2-butene	mg/l	-	-	-	-	-	-	<0.005
Iodomethane	mg/l	-	-	-	-	-	-	<0.005
Pentachloroethane	mg/l	-	-	-	-	-	-	<0.005
trans-1,4-Dichloro-2-butene	mg/l	-	-	-	-	-	-	<0.005
Vinyl acetate	mg/l	-	-	-	-	-	-	<0.05
Vinyl bromide (bromoethene)	mg/l	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TPH								
Total C6-C36	mg/l	0.05	<0.05	<0.05				
TPH C 6 - C 9 Fraction	mg/l	0.01	<0.01	<0.01				
TPH C10 - C14 Fraction	mg/l	0.01	<0.01	<0.01				
TPH C15 - C28 Fraction	mg/l	0.05	<0.05	<0.05				
TPH C29-C36 Fraction	mg/l	0.05	<0.05	<0.05				