

**APPENDIX A**

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Area 1: Groundwater, General Chemical Parameters			11/03/2003	14/03/2003			02/04/2003				08/05/2003	13/05/2003	
Analyte	Screening Value	Source of screening value	GW1/1	GW1/4	GW1/2	GW1/3	GW 1/1	GW 1/2	GW 1/3	GW 1/4	GW 1/4	GW 1/1	
Physical	pH (pH Units)		7.79	7.68	7.35	7.63	7.26	7.29	7.35	7.51	7.55	8.29	
	Conductivity (µS/cm)	2500	631	495	741	555	467	752	527	474	484	557	
	Total Suspended Solids		728	220	224	128	<10	<10	<10	100	<10	308	
Oxygen	BOD Unfiltered		3	<2	4	2	2	33	3	<2	<2	11	
	COD Unfiltered		<15	<15	<15	<15	<15	84	<15	<15	<15	<15	
Major Ions	Calcium as Ca	250	73.81	88.27	110	91.11	74.75	94.11	83.33	76.65	91.54	99.47	
	Magnesium as Mg	50	12.86	11.4	17.55	12.13	9.3	16.66	12.33	10.33	11.88	11.63	
	Sodium as Na	200	30	7.6	7	8	7.6	37.5	8.9	8.3	7.5	9.3	
	Potassium as K	12	1.6	0.4	1.8	1	0.8	18.8	1.6	2	0.4	1.8	
	Chloride as Cl	250	27	15	35	11	13	19	14	15	6	9	
	Sulphate as SO <sub>4</sub>	250	27	25	52	33	26	51	29	27	<3	19	
	Total Alkalinity CaCO <sub>3</sub>	30	210	220	270	250	230	350	230	220	200	400	
Organic	Free Cyanide	0.01											
	Complex Cyanide	0.01		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Total Cyanide	0.01											
	Fluoride as F	0.5		<0.5	2.7	1.5	<0.5	<0.5	<0.5	<0.5	0.1	0.2	
	Sulphide	0.00025	EA guidance		0.05	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Nitrate as NO <sub>3</sub>	50	UK DWS	19	8.7	11.3	3.9	9.4	8.5	7.8	7.7	<0.3	10.9
	Nitrite as NO <sub>2</sub>	0.5	98/83/EC DWS	0.14	0.05	<0.05	0.07	<0.05	0.39	<0.05	<0.05	0.06	0.05
	Ammonium as NH <sub>4</sub>	0.3	98/83/EC DWS										
	Total Oxidised Nitrogen as N			4.4	2	2.6	0.9	2.2	2.1	1.8	1.8	<0.3	2.5
	Ammoniacal Nitrogen as N	0.23	Based on Ammonium	<0.02	<0.2	0.3	0.6	<0.2	<0.2	0.8	<0.2	0.8	<0.2
	Phosphate	2.2	Professional Judgement			<0.03		0.1	<0.03	0.13	<0.03	<0.03	0.04
	Phosphorus as P	2.2	UK DWS	0.18	0.16	0.25	0.36	0.19	<0.05	1.03	0.12	0.11	0.1
	Thiocyanate	1.5	Dutch		<0.2	<0.2	<0.2	<0.2	0.9	<0.2	<0.2	0.6	0.3
	Metals	Arsenic as As	0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.005	<0.005
Barium as Ba		1	0.11	0.15	0.15	0.14	0.08	0.12	0.13	0.12	0.16	0.09	
Boron as B		1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Cadmium as Cr		0.005	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	
Chromium as Cr		0.03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	
Copper as Cu		0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Iron as Fe		0.2	<0.001	<0.001	<0.001	<0.001	0.001	0.004	0.003	0.002	<0.001	<0.001	
Lead as Pb		0.01	<0.005	0.075	0.036	<0.005	<0.005	<0.005	<0.005	0.009	<0.005	<0.005	
Manganese as Mn		0.05	0.014	0.025	0.031	0.364	0.057	<0.001	0.04	0.01	0.005	<0.001	
Mercury as Hg		0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
Nickel as Ni		0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Selenium as Se		0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.005	<0.005	
Silver as Ag		0.00005					0.057	0	0.04	0.01			
Strontium		1	0.25	0.24	0.34	0.32	0.15	0.23	0.24	0.2	0.25	0.18	
Zinc as Zn		0.1	0.014	0.008	0.02	<0.005	0.027	<0.005	<0.005	0.009	<0.005	<0.005	
Organic		TPH by IR	0.01					<1	<1	<1	<1	<1	<1
		Phenol as C6H5OH	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Non Purgable Organic Carbon	0.01											
	Diesel Range Organics	0.00769231	<0.01	<0.01	<0.01	0.035	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Mineral Oil by GC	0.00769231	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Petrol Range Organics C4-C10	0.00769231	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Petrol Range Organics C10+	0.00769231	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Benzene	0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Toluene	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Ethylbenzene	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Total Xylene	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	MTBE		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Total 16 EPA PAHs	0.0002	0.001184	0.000661	<0.00001	0.00394	0.002133	0.000612	0.000453	0.001051	<0.00001	<0.00001	
Total Organic Carbon		18	15	10	9	41	22	45	12	3	<2		

All values in mg/l unless stated







Area : Groundwater, SVOC's			GW1/1	GW1/4	GW1/2	GW1/3	GW1/1	GW1/2	GW1/3	GW1/4	GW 1/4	GW 1/1
Sample Date	Screening Value	Source of screening value	10/03/2003	14/03/2003			02/04/2003				08/05/2003	13/05/2003
Phenol	0.01	UK DWS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Methylphenol	0.01		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Methylphenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Nitrophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Nitrophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4-Dichlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4-Dimethylphenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chloro-3-methylphenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4,6-Trichlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4,5-Trichlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Pentachlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Nitrobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Azobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene	0.01	EQS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Acenaphthylene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Acenaphthene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Fluorene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Phenanthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Anthracene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Fluoranthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Pyrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(a)anthracene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chrysene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(b)fluoranthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(k)fluoranthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(a)pyrene	0.00001	98/83/EC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Indeno(1,2,3-cd)pyrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibenzo(a,h)anthracene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(ghi)perylene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chloronaphthalene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Methylnaphthalene	0.01		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbazole			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isophorone			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibenzofuran			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dimethyl phthalate			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Diethyl phthalate			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Di-n-butylphthalate			<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001
Di-n-octylphthalate			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bis(2-ethylhexyl)phthalate	0.01	Prof. Judg.	<0.001	<0.001	<0.001	<0.001	0.042	<0.001	<0.001	<0.001	<0.001	<0.001
Butylbenzylphthalate			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chloroaniline			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Nitroaniline			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3-Nitroaniline			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Nitroaniline			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4-Dinitrotoluene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,6-Dinitrotoluene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bis(2-chloroethyl)ether			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Bromophenylphenylether			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorophenylphenylether			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorocyclopentadiene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bis(2-chloroethoxy)methane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
N-nitrosodi-n-propylamine			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
All units mg/l												



Area 1: Perched Groundwater, General Chemical Parameters			BH1/11A (8.1m) Groundwater	BH1/12 (5.9m) Groundwater	BH1/13 (12.7m) Groundwater	BH 1/11 Groundwater	BH 1/12 Groundwater
Analyte	Screening Value	Source of screening value	16/02/2003	19/02/2003	04/03/2003	15/04/2003	15/04/2003
			<b>Physical</b>	pH (pH Units)		7.83	7.9
	Conductivity (µS/cm)	2500	613	508	2708	798	507
	Total Suspended Solids		660440	130064	424243	7144	284980
<b>Oxygen Demand</b>	BOD Unfiltered		35	38	187	<2	<2
	COD Unfiltered		99	142	789	18	30
	Calcium as Ca	250 UK DWS	NDP	80.22	697.7	116.9	69.06
	Magnesium as Mg	50 UK DWS	NDP	0.94	35.49	25.93	13.26
	Sodium as Na	200 UK DWS	NDP	37.8	26	18.8	25
<b>Major Ions</b>	Potassium as K	12 UK DWS	NDP	4.6	2.3	1.4	1.6
	Chloride as Cl	250 98/83/EC DWS	57	53	38	8	<1
	Sulphate as SO <sub>4</sub>	250 UK DWS	192	70	1390	94	27
	Total Alkalinity CaCO <sub>3</sub>	30 UK DWS	425	150	520	280	240
	Free Cyanide	0.01 SI 12 of 2001	NDP	<0.05	NDP	<0.05	<0.05
	Complex Cyanide	0.01 SI 12 of 2001	NDP	<0.05	NDP	<0.05	<0.05
	Total Cyanide	0.01 SI 12 of 2001	NDP	<0.05	NDP	<0.05	<0.05
	Fluoride as F	0.5 SI 12 of 2001	<0.5	0.8	<0.05	<0.05	<0.05
	Sulphide	0.00025 EA guidance	<0.05	<0.05	<0.05	<0.05	<0.05
<b>Inorganics</b>	Nitrate as NO <sub>3</sub>	50 UK DWS	1.3	<0.3	<0.3	21.6	<0.3
	Nitrite as NO <sub>2</sub>	0.5 98/83/EC DWS	0.1	0.19	<0.05	0.88	<0.05
	Ammonium as NH <sub>4</sub>	0.3 98/83/EC DWS	0.3	<0.3	<0.3	5.2	<0.3
	Total Oxidised Nitrogen as N		0.3	1.4	16.6	1	0.7
	Ammoniacal Nitrogen as N	0.23 Based on Ammonium	0.6	0.3		<0.03	<0.03
	Phosphate	2.2 Professional Judgement	NDP	0.37	1.36	2.9	71.06
	Phosphorus as P	2.2 UK DWS	NDP	0.5	0.4	0.3	0.6
	Thiocyanate	1.5 Dutch	<0.005	<0.021	0.007	<0.005	0.006
	Arsenic as As	0.01 UK DWS	NDP	0.06	0.08	0.11	0.15
	Barium as Ba	1 UK DWS	NDP	<0.05	0.18	<0.05	<0.05
	Boron as B	1 UK DWS	NDP	<0.0004	<0.0004	<0.0004	<0.0004
	Cadmium as Cr	0.005 98/83/EC DWS	NDP	<0.001	<0.001	<0.001	<0.001
	Chromium as Cr	0.03 SI 12 of 2001	NDP	0.023	<0.005	<0.005	<0.005
	Copper as Cu	0.03 SI 12 of 2001	NDP	0.058	6.56	<0.001	0.001
<b>Metals</b>	Iron as Fe	0.2 UK DWS	NDP	<0.005	<0.005	<0.005	<0.005
	Lead as Pb	0.01 98/83/EC DWS	NDP	0.083	5.95	473	120
	Manganese as Mn	0.05 98/83/EC DWS	<0.00005	0.00007	<0.00005	<0.00005	<0.00005
	Mercury as Hg	0.001 98/83/EC DWS	NDP	0.035	<0.01	<0.01	<0.01
	Nickel as Ni	0.05 SI 12 of 2001	0.008	0.012	<0.005	<0.005	<0.005
	Selenium as Se	0.01 UK DWS	1				
	Silver as Ag	0.00005 EQS	NDP	0.28	5.96	0.38	0.31
	Strontium		NDP	<0.005	na	0.015	<0.005
	Zinc as Zn	0.1 SI 12 of 2001	<0.01	0.04		<1	<1
	TPH by IR	0.01 UK DWS				<0.01	<0.01
	Phenol as C6H5OH	0.01 UK DWS					
	Non Purgable Organic Carbon	0.01 UK DWS	0.683	NDP		<0.01	1.107
	Diesel Range Organics	0.000714 UK DWS	<0.01	NDP		<0.01	0.719
	Mineral Oil by GC	0.000714 UK DWS					
<b>Organics</b>	Petrol Range Organics C4-C10	0.000714 UK DWS	<0.01	<0.01	<0.01	<0.01	<0.01
	Petrol Range Organics C10+	0.000714 UK DWS	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzene	0.001 98/83/EC DWS	<0.01	<0.01	<0.01	<0.01	<0.01
	Toluene	0.05 EQS	<0.01	<0.01	<0.01	<0.01	<0.01
	Ethylbenzene	0.3 WHO	<0.01	<0.01	<0.01	<0.01	<0.01
	Total Xylene	0.03 EQS	<0.01	<0.01	<0.01	<0.01	<0.01
	MTBE		<0.01	<0.01	<0.01	<0.01	<0.01
	Total 16 EPA PAHs	0.0002 EQS				<0.00001	0.002591
	Total Organic Carbon		20	53	174	7	49

All units mg/l (unless stated).



Area 1: Perched Groundwater, VOC's	Sample Date	Screening Value	Source of screening value	BH1/11A (8.1m)	BH 1/12 (5.9m)	BH1/13 (12.7m)	BH 1/11	BH 1/12
				16/02/2003	19/02/2003	04/03/2003	15/04/2003	
Dichlorodifluoromethane				<0.001	<0.001	<0.004	<0.001	<0.001
Chloromethane				<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl Chloride				<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane				<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane	0.001			<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane	0.1			<0.001	<0.001	<0.001	<0.001	<0.001
Trans-1,2-Dichloroethene				<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane				<0.001	<0.001	<0.001	<0.001	<0.001
Carbon disulphide				<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene				<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane				<0.001	<0.001	<0.001	<0.001	<0.001
tert-butyl methyl ether				<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene				<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane				<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform				<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane				<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane				<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.1	EQS Freshwater		<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropene				<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	0.001	98/83/EC		<0.001	<0.001	<0.001	<0.001	<0.001
Carbon tetrachloride				<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane				<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropane				<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane				<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.01	98/83/EC		<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene				<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-Dichloropropene				<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane				<0.001	<0.001	<0.001	<0.001	<0.001
Toluene				<0.001	<0.001	0.008	<0.001	<0.001
1,3-Dichloropropane				<0.001	<0.001	<0.001	<0.001	<0.001
Dibromochloromethane				<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromoethane				<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene				<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-Tetrachloroethane				<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene	0.01	WHO		<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	0.3	WHO		<0.001	<0.001	0.017	<0.001	<0.001
p/m-Xylene				<0.001	<0.001	0.041	<0.001	<0.001
Bromoform				<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	0.05	EQS		<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrachloroethane				<0.001	<0.001	<0.001	<0.001	<0.001
o-Xylene				<0.001	<0.001	0.012	<0.001	<0.001
1,2,3-Trichloropropane				<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	0.01	Prof. Judgement		<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene				<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene				<0.001	<0.001	<0.001	<0.001	<0.001
Propylbenzene	0.001			<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene				<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trimethylbenzene	0.01	Prof. Judgement		<0.001	<0.001	<0.001	<0.001	<0.001
4-Isopropyltoluene				<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	0.01			<0.001	<0.001	0.006	<0.001	<0.001
1,3-Dichlorobenzene				<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	0.01	WHO ATU		<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	0.001			<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	0.001			<0.001	<0.001	0.031	<0.001	<0.001
1,2-Dichlorobenzene				<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	0.001			<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane				<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene				<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene	0.01	EQS		<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichlorobenzene				<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene				<0.001	<0.001	<0.001	<0.001	<0.001

All units mg/l



Area 1: Perched Groundwater SVOC's		Source of screening value	BH1/13 (12.7m)	BH 1/11	BH 1/12
Sample Date	Screening Value		04/03/2003	15/04/2003	
Phenol	0.01	UK DWS	<0.001	<0.001	<0.001
2-Chlorophenol			<0.001	<0.001	<0.001
2-Methylphenol	0.01		<0.001	<0.001	<0.001
4-Methylphenol			2.718	<0.001	<0.001
2-Nitrophenol			<0.001	<0.001	<0.001
4-Nitrophenol			<0.001	<0.001	<0.001
2,4-Dichlorophenol			<0.001	<0.001	<0.001
2,4-Dimethylphenol			<0.001	<0.001	<0.001
4-Chloro-3-methylphenol			<0.001	<0.001	<0.001
2,4,6-Trichlorophenol			<0.001	<0.001	<0.001
2,4,5-Trichlorophenol			<0.001	<0.001	<0.001
Pentachlorophenol			<0.001	<0.001	<0.001
1,3-Dichlorobenzene			<0.001	<0.001	<0.001
1,4-Dichlorobenzene			<0.001	<0.001	<0.001
1,2-Dichlorobenzene			<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene			<0.001	<0.001	<0.001
Nitrobenzene			<0.001	<0.001	<0.001
Azobenzene			<0.001	<0.001	<0.001
Hexachlorobenzene			<0.001	<0.001	<0.001
Naphthalene	0.01	EQS	<0.001	<0.001	<0.001
Acenaphthylene	6.25E-06		<0.001	<0.001	<0.001
Acenaphthene	6.25E-06		<0.001	<0.001	<0.001
Fluorene	6.25E-06		0.209	<0.001	<0.001
Phenanthrene	6.25E-06		0.656	<0.001	<0.001
Anthracene	6.25E-06		0.129	<0.001	<0.001
Fluoranthrene	6.25E-06		0.897	<0.001	<0.001
Pyrene	6.25E-06		1.054	<0.001	<0.001
Benzo(a)anthracene	6.25E-06		0.283	<0.001	<0.001
Chrysene	6.25E-06		0.311	<0.001	<0.001
Benzo(b)fluoranthrene	6.25E-06		<0.001	<0.001	<0.001
Benzo(k)fluoranthrene	6.25E-06		<0.001	<0.001	<0.001
Benzo(a)pyrene	0.00001	98/83/EC	<0.001	<0.001	<0.001
Indeno(1,2,3-cd)pyrene	6.25E-06		<0.001	<0.001	<0.001
Dibenzo(a,h)anthracene	6.25E-06		<0.001	<0.001	<0.001
Benzo(ghi)perylene	6.25E-06		<0.001	<0.001	<0.001
2-Chloronaphthalene			<0.001	<0.001	<0.001
2-Methylnaphthalene	0.01		0.329	<0.001	<0.001
Carbazole			<0.001	<0.001	<0.001
Isophorone			<0.001	<0.001	<0.001
Dibenzofuran			<0.001	<0.001	<0.001
Dimethyl phthalate			<0.001	<0.001	<0.001
Diethyl phthalate			<0.001	<0.001	<0.001
Di-n-butylphthalate			<0.001	<0.001	<0.001
Di-n-octylphthalate			<0.001	<0.001	<0.001
Bis(2-ethylhexyl)phthalate	0.01	Prof. Judg.	330.288	<0.001	<0.001
Butylbenzylphthalate			<0.001	<0.001	<0.001
4-Chloroaniline			<0.001	<0.001	<0.001
2-Nitroaniline			<0.001	<0.001	<0.001
3-Nitroaniline			<0.001	<0.001	<0.001
4-Nitroaniline			<0.001	<0.001	<0.001
2,4-Dinitrotoluene			<0.001	<0.001	<0.001
2,6-Dinitrotoluene			<0.001	<0.001	<0.001
Bis(2-chloroethyl)ether			<0.001	<0.001	<0.001
4-Bromophenylphenylether			<0.001	<0.001	<0.001
4-Chlorophenylphenylether			<0.001	<0.001	<0.001
Hexachloroethane			<0.001	<0.001	<0.001
Hexachlorobutadiene			<0.001	<0.001	<0.001
Hexachlorocyclopentadiene			<0.001	<0.001	<0.001
Bis(2-chloroethoxy)methane			<0.001	<0.001	<0.001
N-nitrosodi-n-propylamine			<0.001	<0.001	<0.001

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All units mg/l



Area 4: Groundwater, General Chemical Parameters

Analyte		Screening Value	Source of screening value	04/02/2003		11/03/2003		14/03/2003	03/04/2003				13/05/2003		
				GW4/1	GW4/2	GW4/1	GW4/2	GW4/3	GW4/1	GW4/2	GW4/3	GW4/4	GW 4/3	GW 4/2	
Physical	pH (pH Units)			7.6	7.3			7.6	7.38	7.19	7.5	7.36	7.44	7.19	
	Conductivity (µS/cm)	2500	98/83/EC DWS	435	685			497	542	812	517	521	516	678	
Oxygen Demand	Total Suspended Solids							<10	<10	<10	<10	4168	3677	<10	
	BOD Unfiltered							<2	<2	<2	<2	<2	13	4	
Major ions	COD Unfiltered							<15	<15	<15	<15	<15	<15	<15	
	Calcium as Ca	250	UK DWS	89	100			68.62	90.13	120.1	72.55	86.16	90.98	146.5	
	Magnesium as Mg	50	UK DWS	4.5	9.7			14.27	10.49	22.19	15.89	11.23	15.63	21.41	
	Sodium as Na	200	UK DWS	7.3	6.8			7.4	7.3	9	7.7	7.7	8.4	10.8	
	Potassium as K	12	UK DWS	1	1.8			0.6	1	0.6	0.6	0.4	0.6	0.6	
	Chloride as Cl	250	98/83/EC DWS	11	18			18	10	17	18	23	14	15	
	Sulphate as SO <sub>4</sub>	250	UK DWS	12	84			24	24	12	23	36	23	13	
	Total Alkalinity CaCO <sub>3</sub>	30	UK DWS	245	510			270	230	340	230	270	260	432	
	Free Cyanide	0.01	SI 12 of 2001	<0.1	<0.1			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Complex Cyanide	0.01	SI 12 of 2001					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Inorganics	Total Cyanide	0.01	SI 12 of 2001					<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Fluoride as F	0.5	SI 12 of 2001	<0.2	<0.2			<0.5	<0.5	1.7	<0.5	<0.5	0.2	0.2	
	Sulphide	0.00025	EA guidance					0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	
	Nitrate as NO <sub>3</sub>	50	UK DWS	8	19			2.4	26.5	21.6	3.3	10.5	3.8	17.4	
	Nitrite as NO <sub>2</sub>	0.5	98/83/EC DWS	<0.01	<0.01			<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	
	Ammonium as NH <sub>4</sub>	0.3	98/83/EC DWS	<0.01	<0.01										
	Total Oxidised Nitrogen as N			1.8	4.3			0.6	6.1	5	0.8	2.4	0.9	4	
	Ammoniacal Nitrogen as N	0.23	Based on Ammonium					0.5	<0.2	0.2	<0.2	1.5	<0.2	<0.2	
	Phosphate	2.2	Professional Judgement					<0.03	<0.03	<0.03	<0.03	<0.03	0.04	0.06	
	Metals	Phosphorus as P	2.2	UK DWS	<0.05	<0.05			0.92	0.1	<0.05	0.05	<0.05	2.17	0.13
Thiocyanate		1.5	Dutch					<0.2	<0.2	<0.2	<0.2	<0.2	0.6	0.5	
Arsenic as As		0.01	UK DWS	<0.05	<0.05			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Barium as Ba		1	UK DWS	0.06	0.12			0.11	0.07	0.11	0.11	0.14	0.1	0.1	
Boron as B		1	UK DWS	<0.1	<0.1			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Cadmium as Cr		0.005	98/83/EC DWS					<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	
Chromium as Cr		0.03	SI 12 of 2001	<0.01	<0.01			0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	
Copper as Cu		0.03	SI 12 of 2001	<0.01	<0.01			<0.005	<0.05	<0.05	<0.05	<0.05	<0.005	0.016	
Iron as Fe		0.2	UK DWS	0.03	<0.01			<0.001	0.47	<0.05	0.05	0.08	<0.001	<0.001	
Lead as Pb		0.01	98/83/EC DWS	<0.05	<0.05			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Organics	Manganese as Mn	0.05	98/83/EC DWS	<0.01	<0.01			0.006	0.007	0.009	0.007	0.007	0.004	0.006	
	Mercury as Hg	0.001	98/83/EC DWS	<0.05	<0.05			<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	
	Nickel as Ni	0.02	SI 12 of 2001	<0.01	<0.01			<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Selenium as Se	0.01	UK DWS	<0.01	<0.01			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Silver as Ag	0.00005	EQS	<0.01	<0.01										
	Strontium	1													
	Zinc as Zn	0.1	SI 12 of 2001	<0.01	<0.01			0.24	0.24	0.35	0.22	0.25	0.22	0.35	
	TPH by IR	0.01	UK DWS					<0.005	0.006	0.008	<0.005	<0.005	0.02	0.008	
	Phenol as C <sub>6</sub> H <sub>5</sub> OH	0.01	UK DWS	<0.1	<0.1			<1	<1	<1	<1	<1	<1	<1	
	Non Purgable Organic Carbon	0.01	UK DWS	<0.5	1			<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	
Organics	Diesel Range Organics	0.00076923	UK DWS			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Mineral Oil by GC	0.00076923	UK DWS			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Petrol Range Organics C4-C10	0.00076923	UK DWS			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Petrol Range Organics C10+	0.00076923	UK DWS			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Benzene	0.001	98/83/EC DWS			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Toluene	0.05	EQS			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Ethylbenzene	0.3	WHO			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Total Xylene	0.03	EQS			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	MTBE					<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Total 16 EPA PAHs	0.0002	EQS			<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	
Total Organic Carbon							24	49	67	45	51	<2	3		

All values in mg/l unless stated







Area 4: Groundwater, SVOC's		Source of screening value	GW4/3	GW4/1	GW4/2	GW4/3	GW4/4	GW 4/3	GW 4/2
Sample Date	Screening Value		14/03/2003	03/04/2003				13/05/2003	
Phenol	0.01	UK DWS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Methylphenol	0.01		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Methylphenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Nitrophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Nitrophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4-Dichlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4-Dimethylphenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chloro-3-methylphenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4,6-Trichlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4,5-Trichlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Pentachlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Nitrobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Azobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene	0.01	EQS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Acenaphthylene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Acenaphthene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Fluorene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Phenanthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Anthracene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Fluoranthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Pyrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(a)anthracene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chrysene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(b)fluoranthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(k)fluoranthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(a)pyrene	0.00001	98/83/EC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Indeno(1,2,3-cd)pyrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibenzo(a,h)anthracene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(ghi)perylene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chloronaphthalene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Methylnaphthalene	0.01		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbazole			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isophorone			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibenzofuran			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dimethyl phthalate			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Diethyl phthalate			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Di-n-butylphthalate			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Di-n-octylphthalate			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bis(2-ethylhexyl)phthalate	0.01	Prof. Judg.	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Butylbenzylphthalate			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chloroaniline			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Nitroaniline			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3-Nitroaniline			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Nitroaniline			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4-Dinitrotoluene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,6-Dinitrotoluene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bis(2-chloroethyl)ether			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Bromophenylphenylether			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorophenylphenylether			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorocyclopentadiene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bis(2-chloroethoxy)methane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
N-nitrosodi-n-propylamine			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

All units mg/l



Area 4: Perched Groundwater, General Chemical Parameters

			21/01/2003	03/03/2003			15/04/2003		
Analyte		Screening Value	TP 4/11 (4m)	BH4/10 (4.1m)	BH4/12 (6m)	BH4/11 (7.1m)	BH 4/12	BH 4/11	BH 4/10
Physical	pH (pH Units)		7.11	7.24	7.12	7.15	7.93	6.84	7.31
	Conductivity (µS/cm)	2500	1035	708	924	749	827	1035	695
Oxygen Demand	Total Suspended Solids		356404	622350	23808	63604	2776	82727	6844
	BOD Unfiltered		303	9	24	34	<2	7	<2
	COD Unfiltered		40	<15	31	37	23	28	25
Major ions	Calcium as Ca	250	163.3	140.7	142	129.7	122.9	159.6	108.3
	Magnesium as Mg	50	24.2	21.92	23.83	18.72	30.9	28.66	21.71
	Sodium as Na	200	19	18.8	22.1	11.6	12.2	16.2	13.2
	Potassium as K	12	16	1.3	7.4	4.6	3.6	11.6	2.2
	Chloride as Cl	250	48	25	27	23	<1	<1	<1
	Sulphate as SO <sub>4</sub>	250	50	19	79	27	14	<3	23
	Total Alkalinity CaCO <sub>3</sub>	30	520	350	370	300	440	520	330
Inorganics	Free Cyanide	0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Complex Cyanide	0.01	<0.05	<0.05	0.11	0.06			
	Total Cyanide	0.01					<0.05	<0.05	<0.05
	Fluoride as F	0.5	<0.5	0.05	<0.5	<0.5	<0.5	0.9	0.7
	Sulphide	0.00025		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Nitrate as NO <sub>3</sub>	50		1	16.4	17.1	<0.3	<0.3	<0.3
	Nitrite as NO <sub>2</sub>	0.5		0.08	<0.05	<0.05	0.08	<0.05	<0.05
	Ammonium as NH <sub>4</sub>	0.3							
	Total Oxidised Nitrogen as N		<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
	Ammoniacal Nitrogen as N	0.23	Based on Ammonium		2.5	1.7	0.9	1.9	7
Metals	Phosphate	2.2	10.2		2.1	2.2	<0.03	<0.03	<0.03
	Phosphorus as P	2.2	0.12	28.77	0.13	<0.05	1.47	16.81	2.02
	Thiocyanate	1.5		<0.2	0.3	<0.2	0.9	1	1
	Arsenic as As	0.01	0.015	<0.005	0.005	0.007	0.005	0.008	<0.005
	Barium as Ba	1	0.46	0.31	0.64	0.48	0.55	0.67	0.21
	Boron as B	1	0.33	<0.05	0.64	0.48	<0.05	<0.05	<0.05
	Cadmium as Cr	0.005	<0.0004	0.0005	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
	Chromium as Cr	0.03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	Copper as Cu	0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	Iron as Fe	0.2	<0.001	0.003	0.004	0.002	<0.001	<0.001	<0.001
	Lead as Pb	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	Manganese as Mn	0.05	0.032	4.383	1.399	2.283	861	2049	1122
	Mercury as Hg	0.001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
	Nickel as Ni	0.05	<0.01	0.014	<0.01	0.014	<0.01	41	<0.01
	Selenium as Se	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	Silver as Ag	0.00005							
	Strontium	1	1.03	0.53	0.33	0.44	0.7	0.76	0.39
Zinc as Zn	0.1	<0.005	0.01	<0.005	<0.005	0.006	0.006	0.006	
Organics	TPH by IR	0.01					<1	<1	<1
	Phenol as C6H5OH	0.01			<0.01	<0.01	<0.01	<0.01	<0.01
	Non Purgable Organic Carbon	0.01							
	Diesel Range Organics	0.0007692	<1	<0.01	0.027	0.038	<0.01	<0.01	<0.01
	Mineral Oil by GC	0.0007692	<1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Petrol Range Organics C4-C10	0.0007692	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Petrol Range Organics C10+	0.0007692	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzene	0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Toluene	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Ethylbenzene	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Total Xylene	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	MTBE		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Total 16 EPA PAHs	0.0002							
Total Organic Carbon		22	19	16	24	9	11	9	

All values in mg/l unless stated



Area 4: Perched Groundwater, VOC's	Sample Date	Screening Value	Source of screening value	TP 4/11 (4m)	BH4/12 (6m)	BH4/11 (7.1m)	BH4/10 (4.1m)	BH 4/12	BH 4/11	BH 4/10
				21/01/2003	01/03/2003	03/03/2003	05/03/2003	15/04/2003		
Dichlorodifluoromethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl Chloride				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane	0.1			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trans-1,2-Dichloroethene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon disulphide				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-butyl methyl ether				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.1	EQS Fresh		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	0.001	98/83/EC		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbontetrachloride				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.01	98/83/EC		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-Dichloropropene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromochloromethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromoethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-Tetrachloroethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene	0.01	WHO		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	0.3	WHO		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p/m-Xylene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromoform				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	0.05	EQS		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrachloroethane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
o-Xylene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	0.01	Prof. Judge		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Propylbenzene	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trimethylbenzene	0.01	Prof. Judge		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Isopropyltoluene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	0.01			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichlorobenzene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	0.01	WHO ATU		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	0.001			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene	0.01	EQS		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichlorobenzene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

All units mg/l



Area 4: Perched Groundwater, SVOC's	Sample Date	Screening Value	Source of screening value	BH4/12 (6m)	BH4/11 (7.1m)	BH4/10 (4.1m)	BH 4/12	BH 4/11	BH 4/10
				01/03/2003	03/03/2003	05/03/2003	15/04/2003		
Phenol	0.01	UK DWS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorophenol	0.01		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Methylphenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Methylphenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Nitrophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Nitrophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4-Dichlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4-Dimethylphenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chloro-3-methylphenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4,6-Trichlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4,5-Trichlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Pentachlorophenol			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Nitrobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Azobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene	0.01	EQS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Acenaphthylene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Acenaphthene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Fluorene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Phenanthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Anthracene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Fluoranthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Pyrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(a)anthracene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chrysene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(b)fluoranthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(k)fluoranthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(a)pyrene	0.00001	98/83/EC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Indeno(1,2,3-cd)pyrene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibenzo(a,h)anthracene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzo(ghi)perylene	6.25E-06		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chloronaphthalene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Methylnaphthalene	0.01		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbazole			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isophorone			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibenzofuran			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dimethyl phthalate			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Diethyl phthalate			0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Di-n-butylphthalate			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Di-n-octylphthalate			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bis(2-ethylhexyl)phthalate	0.01	Prof. Judg	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Butylbenzylphthalate			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chloroaniline			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Nitroaniline			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3-Nitroaniline			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Nitroaniline			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,4-Dinitrotoluene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,6-Dinitrotoluene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bis(2-chloroethyl)ether			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Bromophenylphenylether			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorophenylphenylether			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorocyclopentadiene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bis(2-chloroethoxy)methane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
N-nitrosodi-n-propylamine			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

All units mg/l



Area 6: Groundwater, General Chemical Parameters															
Analyte		Screening Value	Source of screening value	04/02/2003	11/03/2003	14/03/2003	21/03/2003	03/04/2003			04/04/2003	08/05/2003		13/05/2003	
				GW6/4	GW6/4	GW6/1	GW6/3	GW6/1	GW6/2	GW6/3	GW6/4	GW 6/2	GW 6/3	GW 6/1	
Physical	pH (pH Units)			7.8		7.35		7.12	7.29	7.38	7.48	7.31	7.18	7.74	
	Conductivity (µS/cm)	2500	98/83/EC DWS	480		763		783	621	607	529	627	583	669	
	Total Suspended Solids					589		248	132	3144	10104	<10	73	1956	
Oxygen Demand	BOD Unfiltered					<2	<2	<2	<2	<2	3	12	15	<2	
	COD Unfiltered					<15	<15	<15	<15	<15	22	<15	<15	<15	
Major Ions	Calcium as Ca	250	UK DWS	94		125.4		126.2	104.4	67.05	75.4	61.31	50.74	141.7	
	Magnesium as Mg	50	UK DWS	4.5		14.25		14.84	11.88	6.86	8.43	6.58	6.91	15.37	
	Sodium as Na	200	UK DWS	10		17.6	5.8	14.4	7	6.5	13.8	7.6	7.5	14.8	
	Potassium as K	12	UK DWS	3.7		0.6	1.2	0.8	0.6	0.8	5.8	0.6	0.6	1	
	Chloride as Cl	250	98/83/EC DWS	14		17	27	21	19	17	11	9	10	12	
	Sulphate as SO <sub>4</sub>	250	UK DWS	14		76	32	60	38	32	19	20	14	62	
	Total Alkalinity CaCO <sub>3</sub>	30	UK DWS	293		250	230	320	280	270	260	276	232	216	
Inorganics	Free Cyanide	0.01	SI 12 of 2001	<0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Complex Cyanide	0.01	SI 12 of 2001			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Total Cyanide	0.01	SI 12 of 2001			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Fluoride as F	0.5	SI 12 of 2001	<0.2		<0.5		<0.5	1.4	<0.5	<0.5	0.1	0.2	0.2	
	Sulphide	0.00025	EA guidance			0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	
	Nitrate as NO <sub>3</sub>	50	UK DWS	24		6.5	6.5	7.5	12.8	9.1	3.4	12.2	7.7	7.9	
	Nitrite as NO <sub>2</sub>	0.5	98/83/EC DWS	<0.01		<0.05	0.33	<0.05	<0.05	<0.05	<0.05	0.08	0.09	<0.05	
	Ammonium as NH <sub>4</sub>	0.3	98/83/EC DWS	<0.01											
	Total Oxidised Nitrogen as N			0.5		1.5	1.8	1.7	3	2.1	0.8	2.8	1.8	1.8	
	Ammoniacal Nitrogen as N	0.23	Based on Ammonium			<0.2	<0.2	0.3	<0.2	0.3	0.4	<0.2	<0.2	<0.2	
	Phosphate	2.2	Professional Judgement			<0.03	<0.03	<0.03	<0.03	<0.03	0.13	0.1	0.1	0.03	
	Phosphorus as P	2.2	UK DWS	<0.05		0.38		0.24	0.89	na	0.18	<0.05	<0.05	<0.05	
	Thiocyanate	1.5	Dutch			<0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.2	<0.2	0.2	
	Metals	Arsenic as As	0.01	UK DWS	<0.05		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium as Ba		1	UK DWS	0.1		0.13		0.11	0.13	0.07	0.08	0.08	0.09	0.09	
Boron as B		1	UK DWS	<0.1		<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Cadmium as Cr		0.005	98/83/EC DWS			<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	
Chromium as Cr		0.03	SI 12 of 2001	<0.01		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
Copper as Cu		0.03	SI 12 of 2001	<0.01		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Iron as Fe		0.2	UK DWS	0.34		<0.001	0.003	0.07	0.18	0.76	0.006	<0.001	0.014	0.003	
Lead as Pb		0.01	98/83/EC DWS	<0.05		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
Manganese as Mn		0.05	98/83/EC DWS	<0.01		0.007	0.104	0.008	0.009	0.056	0.497	0.007	0.006	0.004	
Mercury as Hg		0.001	98/83/EC DWS	<0.05		<0.00005		<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	0.00005	<0.00005	
Nickel as Ni		0.02	SI 12 of 2001	<0.01		<0.001	<0.01	<0.001	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	
Selenium as Se		0.01	UK DWS	<0.01		<0.05		<0.05	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	
Silver as Ag		0.00005	EQS	<0.01											
Strontium		1				0.31		0.29	0.23	0.16	0.22	0.07	0.07	0.24	
Zinc as Zn		0.1	SI 12 of 2001	<0.01		<0.005	0.01	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	
Organics		TPH by IR	0.01	UK DWS					<1	<1	<1	<1	1	<1	<1
		Phenol as C6H5OH	0.01	UK DWS	<0.1		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Non Purgable Organic Carbon	0.01	UK DWS	2.7											
	Diesel Range Organics	0.0007692	UK DWS		<0.031	0.027	<0.01	<0.01	<0.01	<0.01	0.212	<0.01	<0.01	<0.01	
	Mineral Oil by GC	0.0007692	UK DWS		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Petrol Range Organics C4-C10	0.0007692	UK DWS		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Petrol Range Organics C10+	0.0007692	UK DWS		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Benzene	0.001	98/83/EC DWS	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Toluene	0.05	EQS	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Ethylbenzene	0.3	WHO	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Total Xylene	0.03	EQS	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	MTBE			<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
	Total 16 EPA PAHs	0.0002	EQS		<0.00001	0.000603	0.000554	<0.00001	<0.00001	<0.00001	<0.00001	0.000423	0.000292	<0.00001	
	Total Organic Carbon					21	17	47	50	26	47	<2	<2	<2	

All values in mg/l unless stated



Area 6: Groundwater, VOC's			GW6/4	GW6/1	GW6/1	GW6/2	GW6/3	GW6/4	GW 6/2	GW 6/3	GW 6/1
Sample Date	Screening Value	Source of screening value	11/03/2003	14/03/2003	03/04/2003			04/04/2003	08/05/2003		13/05/2003
Dichlorodifluoromethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl Chloride			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane	0.1		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trans-1,2-Dichloroethene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon disulphide			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane			<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-butyl methyl ether			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.1	EQS Freshwater	<0.001	0.052	0.017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.043
Benzene	0.001	98/83/EC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon tetrachloride			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.01	98/83/EC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-Dichloropropene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromochloromethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromoethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-Tetrachloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene	0.01	WHO	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	0.3	WHO	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p/m-Xylene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromoform			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	0.05	EQS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrachloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
o-Xylene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	0.01	Prof. Judgement	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Propylbenzene	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trimethylbenzene	0.01	Prof. Judgement	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Isopropyltoluene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	0.01		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	0.01	WHO ATU	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene	0.01	EQS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

All values in mg/l



Area 6: Perched Groundwater, General Chemical Parameters			29/01/2003			17/02/2003	20/02/2003	24/02/2003	27/02/2003	16/04/2003			
Analyte		Screening Value	Source of screening value	TP 6/1A Groundwater (stagnant)	TP 6/1B Groundwater (mobile)	TP6/1C Groundwater (tar material)	BH6/11 Groundwater	BH6/10 Groundwater	BH6/12 Groundwater	BH6/12 (11m) Groundwater	BH 6/10 Groundwater	BH 6/12 Groundwater	
Physical	pH (pH Units)			7.07	7.07	7.37	7.38	7.01	7.89	7.83	6.62	7.46	
	Conductivity (µS/cm)	2500	98/83/EC DWS	1763	2185	840	584	1732	1127	795	1736	1439	
Oxygen Demand	Total Suspended Solids			37360	30556		32	69144	63404	132	16	148	
	BOD Unfiltered			22	15		36	41	18	19	5	6	
Major ions	COD Unfiltered			92	82		<15	22	68	18	26	39	
	Calcium as Ca	250	UK DWS	202.2	304.6		120.6	249.3	121.8	115.2	185.8	158.5	
	Magnesium as Mg	50	UK DWS	33.29	45.69		4.68	31.32	18.18	17.04	37.08	32.87	
	Sodium as Na	200	UK DWS	66	76		11.8	47	57	23	86	88	
	Potassium as K	12	UK DWS	24	39.2		6.2		8.6	2.7	28	40	
	Chloride as Cl	250	98/83/EC DWS	143	127		39	44	37	18	33	31	
	Sulphate as SO <sub>4</sub>	250	UK DWS	70	21	234	19	30	223	88	10	176	
	Total Alkalinity CaCO <sub>3</sub>	30	UK DWS	860	1200		390	900	400	310	920	580	
	Free Cyanide	0.01	SI 12 of 2001	<0.05	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Complex Cyanide	0.01	SI 12 of 2001				<0.05	0.14	<0.05	<0.05	<0.05	<0.05	
Inorganics	Total Cyanide	0.01	SI 12 of 2001										
	Fluoride as F	0.5	SI 12 of 2001	0.5	<0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	Sulphide	0.00025	EA guidance				<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
	Nitrate as NO <sub>3</sub>	50	UK DWS				1.8	<0.3	0.3	4.8	<0.3	<0.3	
	Nitrite as NO <sub>2</sub>	0.5	98/83/EC DWS				<0.05	0.09	0.08	<0.05	0.05	<0.05	
	Ammonium as NH <sub>4</sub>	0.3	98/83/EC DWS										
	Total Oxidised Nitrogen as N						0.4	<0.3	<0.3	1.1	<0.3	<0.3	
	Ammoniacal Nitrogen as N	0.23	Based on Ammonium	20	20		6.3	26.3	14.2	3.2	26.8	11.2	
	Phosphate	2.2	Professional Judgement	6.8	7.1		1.6	0.3	1.7	<0.03	<0.03	<0.03	
	Phosphorus as P	2.2	UK DWS	0.21	0.22		0.16	<0.05	0.25	<0.05	<0.05	0.13	
Metals	Thiocyanate	1.5	Dutch				<0.2	0.3	0.3	<0.2	0.4	0.6	
	Arsenic as As	0.01	UK DWS	0.014	<0.005		<0.005	<0.005	<0.021	<0.005	<0.005	0.009	
	Barium as Ba	1	UK DWS	0.34	0.4		<0.05	0.95	0.02	0.1	0.41	0.21	
	Boron as B	1	UK DWS	0.07	27		<0.05	0.23	0.15	0.07	0.26	0.23	
	Cadmium as Cr	0.005	98/83/EC DWS	<0.0004	<0.0004		<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	
	Chromium as Cr	0.03	SI 12 of 2001	0.004	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
	Copper as Cu	0.03	SI 12 of 2001	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
	Iron as Fe	0.2	UK DWS	9.054	0.18		<0.001	0.009	0.42	0.003	0.015	0.011	
	Lead as Pb	0.01	98/83/EC DWS	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
	Manganese as Mn	0.05	98/83/EC DWS	2.553	5.796		6.088	2.655	0.44	2.301	5.976	3.99	
Organics	Mercury as Hg	0.001	98/83/EC DWS	<0.00005	<0.00005		<0.00005		<0.00005	<0.00005	0.0001	0.00006	
	Nickel as Ni	0.05	SI 12 of 2001	0.026	0.032		0.021	<0.01	<0.05	0.017	0.018	0.017	
	Selenium as Se	0.01	UK DWS				<0.005	<0.005	<0.05	0.013	<0.005	<0.005	
	Silver as Ag	0.00005	EQS										
	Strontium	1		0.98	1.64		0.38	1.42	0.69	0.53	1.2	1.07	
	Zinc as Zn	0.1	SI 12 of 2001	0.096	0.074		0.023	0.007	<0.05	0.26	0.005	0.006	
	TPH by IR	0.01	UK DWS								1	<1	
	Phenol as C <sub>6</sub> H <sub>5</sub> OH	0.01	UK DWS				<0.01	0.01	0.04		<0.01	<0.01	
	Non Purgable Organic Carbon	0.01	UK DWS										
	Diesel Range Organics	0.00076923	UK DWS	1.521	2.043		0.043	0.647	0.52	<0.01	0.673	<0.01	
Mineral Oil by GC	0.00076923	UK DWS	0.01	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Petrol Range Organics C4-C10	0.00076923	UK DWS	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Petrol Range Organics C10+	0.00076923	UK DWS	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Benzene	0.001	98/83/EC DWS	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Toluene	0.05	EQS	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Ethylbenzene	0.3	WHO	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Total Xylene	0.03	EQS	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
MTBE			<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
Total 16 EPA PAHs	0.0002	EQS											
Total Organic Carbon			61	62	3.49	16	73	<0.00001	<0.00001	0.006825	0.001234		

All values in mg/l (unless stated)



Area 6: Perched Groundwater, VOC's			TP6/1A	TP6/1B	TP6/1C	BH6/11 (10.7m)	BH6/10 (7.1m)	BH 6/12 (8.6m)	BH6/12 (11m)	BH 6/10	BH 6/12
Sample Date	Screening Value	Source of screening value	29/01/2003			18/02/2003	20/02/2003	24/02/2003	27/02/2003	16/04/2003	
Dichlorodifluoromethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl Chloride			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroethane	0.001		0.003	<0.001	1.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane	0.1		<0.001	<0.001	0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trans-1,2-Dichloroethene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dichloromethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon disulphide			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-butyl methyl ether			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,2-Dichloroethene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2,2-Dichloropropane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.1	EQS Freshwater	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	0.001	98/83/EC	<0.001	<0.001	0.212	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbontetrachloride			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloropropane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	0.01	98/83/EC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans-1,3-Dichloropropene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene			0.004	<0.001	0.223	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromochloromethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromoethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-Tetrachloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene	0.01	WHO	<0.001	<0.001	0.033	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	0.3	WHO	0.006	<0.001	1.317	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p/m-Xylene			0.014	<0.001	4.83	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromoform			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Styrene	0.05	EQS	<0.001	<0.001	0.461	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2,2-Tetrachloroethane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
o-Xylene			0.004	<0.001	0.593	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	0.01	Prof. Judgement	0.002	<0.001	0.088	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Propylbenzene	0.001		0.002	<0.001	0.056	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trimethylbenzene	0.01	Prof. Judgement	0.003	<0.001	0.104	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Isopropyltoluene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	0.01		0.012	<0.001	0.239	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	0.01	WHO ATU	<0.001	<0.001	0.21	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	0.001		0.003	<0.001	0.089	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	0.001		0.008	<0.001	0.096	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	0.001		0.004	<0.001	0.127	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Naphthalene	0.01	EQS	0.037	<0.001	0.467	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichlorobenzene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

All values in mg/l



Area 6: Perched Groundwater, SVOC's			BH 6/12 (8.6m)	BH6/12 (11m)	BH 6/10	BH 6/12
Sample Date	Screening Value	Source of screening value	24/02/2003	27/02/2003	16/04/2003	
Phenol	0.01	UK DWS	<0.001	<0.001	<0.001	<0.001
2-Chlorophenol			<0.001	<0.001	<0.001	<0.001
2-Methylphenol	0.01		<0.001	<0.001	<0.001	<0.001
4-Methylphenol			<0.001	<0.001	<0.001	<0.001
2-Nitrophenol			<0.001	<0.001	<0.001	<0.001
4-Nitrophenol			<0.001	<0.001	<0.001	<0.001
2,4-Dichlorophenol			<0.001	<0.001	<0.001	<0.001
2,4-Dimethylphenol			<0.001	<0.001	<0.001	<0.001
4-Chloro-3-methylphenol			<0.001	<0.001	<0.001	<0.001
2,4,6-Trichlorophenol			<0.001	<0.001	<0.001	<0.001
2,4,5-Trichlorophenol			<0.001	<0.001	<0.001	<0.001
Pentachlorophenol			<0.001	<0.001	<0.001	<0.001
1,3-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene			<0.001	<0.001	<0.001	<0.001
1,2,4-Trichlorobenzene			<0.001	<0.001	<0.001	<0.001
Nitrobenzene			<0.001	<0.001	<0.001	<0.001
Azobenzene			<0.001	<0.001	<0.001	<0.001
Hexachlorobenzene			<0.001	<0.001	<0.001	<0.001
Naphthalene	0.01	EQS	<0.001	<0.001	0.003	<0.001
Acenaphthylene	6.25E-06		<0.001	<0.001	<0.001	<0.001
Acenaphthene	6.25E-06		<0.001	<0.001	<0.001	<0.001
Fluorene	6.25E-06		<0.001	<0.001	<0.001	<0.001
Phenanthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001
Anthracene	6.25E-06		<0.001	<0.001	<0.001	<0.001
Fluoranthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001
Pyrene	6.25E-06		<0.001	<0.001	<0.001	<0.001
Benzo(a)anthracene	6.25E-06		<0.001	<0.001	<0.001	<0.001
Chrysene	6.25E-06		<0.001	<0.001	<0.001	<0.001
Benzo(b)fluoroanthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001
Benzo(k)fluoroanthrene	6.25E-06		<0.001	<0.001	<0.001	<0.001
Benzo(a)pyrene	0.00001	98/83/EC	<0.001	<0.001	<0.001	<0.001
Indeno(1,2,3-cd)pyrene	6.25E-06		<0.001	<0.001	<0.001	<0.001
Dibenzo(a,h)anthracene	6.25E-06		<0.001	<0.001	<0.001	<0.001
Benzo(ghi)perylene	6.25E-06		<0.001	<0.001	<0.001	<0.001
2-Chloronaphthalene			<0.001	<0.001	<0.001	<0.001
2-Methylnaphthalene	0.01		<0.001	<0.001	<0.001	<0.001
Carbazole			<0.001	<0.001	<0.001	<0.001
Isophorone			<0.001	<0.001	<0.001	<0.001
Dibenzofuran			<0.001	<0.001	<0.001	<0.001
Dimethyl phthalate			<0.001	<0.001	<0.001	<0.001
Diethyl phthalate			<0.001	<0.001	<0.001	<0.001
Di-n-butylphthalate			<0.001	<0.001	<0.001	<0.001
Di-n-octylphthalate			<0.001	<0.001	<0.001	<0.001
Bis(2-ethylhexyl)phthalate	0.01	Prof. Judg.	<0.001	<0.001	<0.001	<0.001
Butylbenzylphthalate			<0.001	<0.001	<0.001	<0.001
4-Chloroaniline			<0.001	<0.001	<0.001	<0.001
2-Nitroaniline			<0.001	<0.001	<0.001	<0.001
3-Nitroaniline			<0.001	<0.001	<0.001	<0.001
4-Nitroaniline			<0.001	<0.001	<0.001	<0.001
2,4-Dinitrotoluene			<0.001	<0.001	<0.001	<0.001
2,6-Dinitrotoluene			<0.001	<0.001	<0.001	<0.001
Bis(2-chloroethyl)ether			<0.001	<0.001	<0.001	<0.001
4-Bromophenylphenylether			<0.001	<0.001	<0.001	<0.001
4-Chlorophenylphenylether			<0.001	<0.001	<0.001	<0.001
Hexachloroethane			<0.001	<0.001	<0.001	<0.001
Hexachlorobutadiene			<0.001	<0.001	<0.001	<0.001
Hexachlorocyclopentadiene			<0.001	<0.001	<0.001	<0.001
Bis(2-chloroethoxy)methane			<0.001	<0.001	<0.001	<0.001
N-nitrosodi-n-propylamine			<0.001	<0.001	<0.001	<0.001

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All values in mg/l