

Borehole Number		DWS/Freshwater EQS	BH101																				
Screened Stratum			UMH										LMH										
Sampling Technique			Bailer										Bailer										
Date			28/08/13	25/11/13	04/02/14	07/05/14	04/06/14	28/10/14	23/01/15	28/04/15	21/07/15	18/10/15	04/09/13	25/11/13	04/02/14	07/05/14	04/06/14	02/07/14	28/10/14	23/01/15	28/04/15	21/07/15	18/10/15
Field Readings	Bromide	-	0.099	0.130	<0.05	0.150	0.203		0.080	0.077	0.105	0.113	0.120	<0.05	<0.05	0.006	0.172	0.170	0.106	0.153	0.104	0.127	0.267
	Bromate	0.01	<0.1	<0.1	<0.1	<0.1	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	0.0047	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	Dissolved Oxygen (ppm)	-	0.6	1.0	2.4	1.4	0.9	3.3	3.9	4.1	2.3	-	5.7	-	5.3	4.3	3.3	3.1	7.2	5.9	8.8	3.2	-
	Electric Conductivity (ms/cm²)	-	458	172	139	310	252	306	207	231	236	-	382	-	140	457	376	156	493	237	335	489	-
	pH	-	6.2	5.3	6.3	5.3	5.8	6.9	7.1	7.4	6.2	-	7.1	-	7.0	5.9	5.4	5.7	6.9	7.2	7.1	6.7	-
ORP	-	80	247	159	119	202	138	222	137	210	-	45	-	102	122	298	228	137	219	178	216	-	
Metals	Arsenic	0.01	<0.0009	0.0058	<0.0009	<0.0009	-	-	-	-	-	<0.0009	0.0069	0.0098	<0.0009	0.012	-	-	-	-	-	-	<0.0009
	Boron	1.0	0.025	0.04	0.029	0.034	-	-	-	-	-	0.044	0.039	0.038	0.027	0.023	-	-	-	-	-	-	0.08
	Cadmium	0.005	<0.00003	0.00013	0.000087	<0.00003	-	-	-	-	-	0.00023	<0.00003	0.00014	0.000033	<0.00003	-	-	-	-	-	-	0.00011
	Total Chromium	0.05	<0.0002	<0.0002	<0.0002	<0.0002	-	-	-	-	-	<0.0002	<0.0002	0.0022	<0.0002	<0.0002	-	-	-	-	-	-	0.0024
	Copper	2	<0.003	<0.003	<0.003	<0.003	-	-	-	-	-	<0.003	0.0077	0.011	0.0031	<0.003	-	-	-	-	-	-	<0.003
	Total Iron	0.2	<0.0047	<0.0047	<0.0047	<0.0047	-	-	-	-	-	<0.0047	0.014	1.0	0.02	<0.0047	-	-	-	-	-	-	<0.0047
	Lead	0.01	<0.0004	0.0031	0.0015	<0.0004	-	-	-	-	-	0.0019	<0.0004	0.0093	0.0033	0.0031	-	-	-	-	-	-	0.0047
	Nickel	0.02	0.011	0.0087	0.0083	0.0043	-	-	-	-	-	0.0068	0.0047	0.0069	0.0016	0.00077	-	-	-	-	-	-	0.0024
	Selenium	0.01	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	-	<0.0012
	Vanadium	-	0.00068	<0.0006	0.0012	0.0015	-	-	-	-	-	<0.0006	0.0011	0.0052	0.001	<0.0006	-	-	-	-	-	-	<0.0006
	Zinc	0.05	0.0065	0.0081	0.0069	0.0032	-	-	-	-	-	0.0054	0.029	0.013	0.0072	0.0023	-	-	-	-	-	-	0.0023
	Mercury	0.001	0.000034	-	-	-	-	-	-	-	-	<0.0005	<0.00001	-	-	-	-	-	-	-	-	-	<0.0005
	Antimony	0.005	<0.002	-	-	-	-	-	-	-	-	-	<0.002	-	-	-	-	-	-	-	-	-	-
	Barium	-	0.027	-	-	-	-	-	-	-	-	-	0.039	-	-	-	-	-	-	-	-	-	-
	Beryllium	-	<0.0005	-	-	-	-	-	-	-	-	-	<0.0005	-	-	-	-	-	-	-	-	-	-
	Cobalt	0.1	0.0055	-	-	-	-	-	-	-	-	-	0.0097	-	-	-	-	-	-	-	-	-	-
	Manganese	0.05	0.65	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-
	Molybdenum	-	<0.0002	-	-	-	-	-	-	-	-	-	<0.0002	-	-	-	-	-	-	-	-	-	-
	Gold	-	<0.001	-	-	-	-	-	-	-	-	-	0.01	-	-	-	-	-	-	-	-	-	-
	Tellurium	-	<0.005	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-
Thorium	-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	
Titanium	-	<0.005	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	
Uranium	-	<0.005	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	
Major Ions	Sodium	200	21	12	9.9	11	-	-	-	-	-	28	51	9.2	13	-	-	-	-	-	-	-	-
	Potassium	-	3.3	5.8	2.1	4.6	-	-	-	-	-	3.7	3.5	3.8	2	-	-	-	-	-	-	-	-
	Calcium	-	33	34	39	29	-	-	-	-	-	58	54	49	50	-	-	-	-	-	-	-	-
	Magnesium	-	5.6	5.2	6.7	4.6	-	-	-	-	-	4.9	5.4	3.3	6	-	-	-	-	-	-	-	-
	Chloride	250	11	17	11	9	-	-	-	-	-	24	16	16	8.2	10	-	-	-	-	-	-	30
	Carbonate Alkalinity as CaCO3	-	-	<1.0	<1.0	<1	-	-	-	-	-	-	-	<1.0	<1.0	<1	-	-	-	-	-	-	-
	Bicarbonate Alkalinity as CaCO3	-	-	84	65	75	-	-	-	-	-	-	180	130	110	-	-	-	-	-	-	-	-
	Sulphate	250	53	45	66	28	-	-	-	-	-	57	44	72	32	58	-	-	-	-	-	-	55
Nutrients	Nitrate as NO3	50	3.6	7.1	12	2.8	-	-	-	-	-	7.1	3.3	7.5	3.7	8.9	-	-	-	-	-	-	22
	Nitrite as NO2	0.5	0.089	<0.02	<0.02	<0.02	-	-	-	-	-	-	0.066	<0.02	<0.02	<0.02	-	-	-	-	-	-	-
	Total Cyanide	0.05	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	-
	Ammoniacal Nitrogen as NH4	0.39	0.11	0.51	<0.03	<0.03	-	-	-	-	-	0.05	0.084	<0.03	<0.03	<0.03	-	-	-	-	-	-	0.05
	Total Alkalinity as CaCO3	-	-	84	65	75	-	-	-	-	-	-	180	130	110	-	-	-	-	-	-	-	-
	Total Organic Carbon	-	<2.0	4.6	2.4	5.8	-	-	-	-	-	-	4.8	7.1	7.6	5.1	-	-	-	-	-	-	-
	Total Suspended Solids	-	61	20	31	22	-	-	-	-	-	-	27	2000	34	60	-	-	-	-	-	-	-
	Organic Nitrogen	-	0.76	580	1.8	1.1	-	-	-	-	-	-	6.9	210	2.0	3.5	-	-	-	-	-	-	-
	Biological Oxygen Demand	-	<1.0	-	-	-	-	-	-	-	-	-	<1.0	-	-	-	-	-	-	-	-	-	-
	Chemical Oxygen Demand	-	<7.0	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-

Key

All results are in milligram per litre (mg/l).

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Not sampled/analysed or no WQS available.

DWS

Drinking Water Standard

EQS

Freshwater Environmental Quality Standard

888

Exceeds DWS/EQS

888

Exceeds Detection Limit

Analysed by Jones Environmental Subcontractor

Analysed by Affinity Water

Well Screen Geology

UMH

Upper Mineral Horizon

LMH

Lower Mineral Horizon

CHALK

Chalk

Borehole Number		DWS/Freshwater EQS	BH101												BH102											
Screened Stratum			CHALK												UMH											
Sampling Technique			Bailer												Bailer											
Date			28/08/13	25/11/13	04/02/14	07/05/14	04/06/14	02/07/14	28/10/14	23/01/15	28/04/15	21/07/15	16/10/15	28/08/13	25/11/13	03/02/14	07/05/14	04/06/14	28/10/14	23/01/15	28/04/15	Bailer				
Field Readings	Bromide	-	0.120	0.110	0.098	0.066	0.158	0.150	0.148	0.064	0.142	0.136	0.145	0.096	0.079	0.074	0.072	0.147		0.114	0.086	0.065	0.061			
	Bromate	0.01	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
	Dissolved Oxygen (ppm)	-	1.6	-	4.5	3.5	3.6	5.0	6.4	4.5	7.1	4.6	-	6.0	5.1	6.6	5.0	5.0	6.3	4.1	10.2	4.8	1.0			
	Electric Conductivity (ms/cm²)	-	395	-	250	807	632	303	613	437	437	496	-	233	392	342	990	675	615	443	492	495	387			
	pH	-	7.1	-	7.1	6.4	5.8	5.9	6.8	7.1	7.1	6.9	-	6.9	6.6	6.9	6.4	6.2	6.5	6.9	7.1	6.5	6.7			
	ORP	-	-11	-	146	132	202	135	135	211	198	201	-	22	118	109	95	154	145	226	224	221	-28			
Metals	Arsenic	0.01	<0.0009	0.0088	0.0019	0.0031	-	-	-	-	-	-	<0.0009	<0.0009	0.0072	<0.0009	<0.009	-	-	-	-	<0.0025				
	Boron	1.0	0.028	0.03	0.028	0.031	-	-	-	-	-	-	0.037	0.045	0.045	0.029	0.038	-	-	-	-	0.054				
	Cadmium	0.005	<0.00003	<0.00003	<0.00003	0.000079	-	-	-	-	-	-	0.00012	<0.00003	<0.00003	<0.00003	0.000079	-	-	-	-	<0.0005				
	Total Chromium	0.05	<0.0002	<0.0002	<0.0002	0.00057	-	-	-	-	-	-	0.0063	<0.0002	0.00031	0.00048	<0.0002	-	-	-	-	0.0071				
	Copper	2	<0.003	<0.003	<0.003	<0.03	-	-	-	-	-	-	<0.003	<0.003	<0.003	<0.003	<0.003	-	-	-	-	<0.007				
	Total Iron	0.2	<0.0047	<0.0047	0.0062	<0.0047	-	-	-	-	-	-	<0.0047	<0.0047	0.013	0.015	0.33	-	-	-	-	-				
	Lead	0.01	<0.0004	0.0062	0.0043	0.0067	-	-	-	-	-	-	0.0057	0.00082	0.0033	0.004	0.0032	-	-	-	-	<0.005				
	Nickel	0.02	0.00043	0.0017	0.00027	<0.0002	-	-	-	-	-	-	<0.0002	0.0098	0.011	0.075	0.0081	-	-	-	-	0.009				
	Selenium	0.01	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	-	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	<0.003				
	Vanadium	-	0.00075	0.0015	0.0016	0.0008	-	-	-	-	-	-	<0.0006	0.00064	<0.0006	0.001	0.0015	-	-	-	-	-				
	Zinc	0.05	0.0027	0.013	0.0051	<0.0015	-	-	-	-	-	-	0.0024	0.012	0.12	0.2	0.016	-	-	-	-	0.009				
	Mercury	0.001	0.000019	-	-	-	-	-	-	-	-	-	<0.0005	0.000097	-	-	-	-	-	-	-	<0.001				
	Antimony	0.005	<0.002	-	-	-	-	-	-	-	-	-	-	<0.002	-	-	-	-	-	-	-	-				
	Barium	-	0.04	-	-	-	-	-	-	-	-	-	-	0.035	-	-	-	-	-	-	-	-				
	Beryllium	-	<0.0005	-	-	-	-	-	-	-	-	-	-	<0.0005	-	-	-	-	-	-	-	-				
	Cobalt	0.1	<0.0001	-	-	-	-	-	-	-	-	-	-	0.0062	-	-	-	-	-	-	-	-				
	Manganese	0.05	0.24	-	-	-	-	-	-	-	-	-	-	0.062	-	-	-	-	-	-	-	-				
	Molybdenum	-	<0.0002	-	-	-	-	-	-	-	-	-	-	0.00024	-	-	-	-	-	-	-	-				
	Gold	-	<0.001	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	-	-				
	Tellurium	-	<0.005	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-				
	Thorium	-	<0.01	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-				
	Titanium	-	<0.005	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-				
	Uranium	-	<0.005	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-				
Major Ions	Sodium	200	25	18	8.1	9.7	-	-	-	-	-	-	23	12	24	24	-	-	-	-	-	-				
	Potassium	-	1.7	1.8	2.1	1.1	-	-	-	-	-	-	3.2	3.3	2.9	2.8	-	-	-	-	-	-				
	Calcium	-	96	92	100	120	-	-	-	-	-	-	120	110	110	110	-	-	-	-	-	-				
	Magnesium	-	3.8	4.6	2.9	2.7	-	-	-	-	-	-	16	12	14	16	-	-	-	-	-	-				
	Chloride	250	26	21	22	28	-	-	-	-	-	28	42	31	37	61	-	-	-	-	-	31				
	Carbonate Alkalinity as CaCO3	-	-	<1.0	<1.0	<1	-	-	-	-	-	-	-	<1.0	<1.0	<1	-	-	-	-	-	-				
	Bicarbonate Alkalinity as CaCO3	-	-	300	280	240	-	-	-	-	-	-	-	180	170	150	-	-	-	-	-	-				
	Sulphate	250	15	27	12	9.3	-	-	-	-	-	-	18	85	88	120	110	-	-	-	-	69				
	Nitrate as NO3	50	17	14	20	28	-	-	-	-	-	26	53	58	53	62	-	-	-	-	-	89				
	Nitrite as NO2	0.5	0.79	<0.02	<0.02	<0.02	-	-	-	-	-	-	0.43	<0.02	<0.02	<0.02	-	-	-	-	-	-				
	Total Cyanide	0.05	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-				
	Ammoniacal Nitrogen as NH4	0.39	<0.03	2.1	<0.03	<0.03	-	-	-	-	-	<0.03	<0.03	0.085	<0.03	0.05	-	-	-	-	-	0.05				
	Total Alkalinity as CaCO3	-	-	300	280	240	-	-	-	-	-	-	-	180	170	150	-	-	-	-	-	-				
	Total Organic Carbon	-	<2.0	5.2	2.3	<2	-	-	-	-	-	-	<2.0	4.7	<2.0	3.7	-	-	-	-	-	-				
	Total Suspended Solids	-	140	280	160	250	-	-	-	-	-	-	250	23	31	34	-	-	-	-	-	-				
	Organic Nitrogen	-	0.7	11	2.1	2.5	-	-	-	-	-	-	2.9	77	2.2	1.8	-	-	-	-	-	-				
	Biological Oxygen Demand	-	<1.0	-	-	-	-	-	-	-	-	-	<1.0	-	-	-	-	-	-	-	-	-				
	Chemical Oxygen Demand	-	<7.0	-	-	-	-	-	-	-	-	-	<7.0	-	-	-	-	-	-	-	-	-				

Key

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Drinking Water Standard

EQS

Freshwater Environmental Quality Standard

888

Exceeds DWS/EQS

888

Exceeds Detection Limit

Analysed by Jones Environmental Subcontractor

Analysed by Affinity Water

Well Screen Geology

UMH

Upper Mineral Horizon

LMH

Lower Mineral Horizon

CHALK

Chalk

Borehole Number		DWS/Freshwater EQS	BH102																			
Screened Stratum			LMH											CHALK								
Sampling Technique			Bailer			Bailer			Bailer					Bailer								
Date			04/09/13	25/11/13	03/02/14	08/05/14	04/06/14	28/10/14	23/01/15	28/04/15	21/07/15	07/10/15	28/08/13	25/11/13	03/02/14	08/05/14	04/06/14	28/10/14	23/01/15	28/04/15	21/07/15	07/10/15
Field Readings	Bromide	-	0.090	0.100	0.062	0.130	0.130	0.117	0.091	0.118	0.120	0.097	0.055	0.100	0.100	0.076	0.142	0.069	0.083	0.083	0.076	0.075
	Bromate	0.01	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	Dissolved Oxygen (ppm)	-	-	1.2	3.8	-	-	-	5.2	9.6	3.9	-	3.3	1.4	1.5	1.6	1.1	4.4	4.4	6.4	5.4	-
	Electric Conductivity (ms/cm²)	-	-	551	354	-	-	-	560	224	594	-	449	465	371	483	851	9	525	503	563	-
	pH	-	-	6.8	6.9	-	-	-	7.0	6.9	6.4	7.0	7.5	7.6	7.0	6.3	6.9	6.4	7.0	7.3	6.9	7.3
Metals	ORP	-	-	127	102	-	-	-	226	229	215	-	4	119	175	136	214	168	217	208	226	-
	Arsenic	0.01	0.0026	0.012	<0.0009	<0.0009	-	-	-	-	-	<0.0025	<0.0009	0.0086	<0.0009	<0.0009	-	-	-	-	-	<0.0025
	Boron	1.0	0.046	0.047	0.035	0.035	-	-	-	-	-	0.048	0.026	0.04	0.049	0.047	-	-	-	-	-	0.033
	Cadmium	0.005	<0.00003	<0.00003	<0.00003	<0.00003	-	-	-	-	-	<0.0005	<0.00003	<0.00003	<0.00003	<0.00003	-	-	-	-	-	<0.0005
	Total Chromium	0.05	<0.0002	<0.0002	0.00052	0.00085	-	-	-	-	-	0.0027	<0.0002	<0.0002	<0.0002	0.0013	-	-	-	-	-	0.0061
	Copper	2	0.0068	<0.003	<0.003	<0.003	-	-	-	-	-	<0.007	<0.003	0.0031	<0.003	<0.003	-	-	-	-	-	<0.007
	Total Iron	0.2	<0.0047	0.04	0.025	0.0074	-	-	-	-	-	-	<0.0047	<0.0047	0.029	0.075	-	-	-	-	-	-
	Lead	0.01	<0.0004	0.0055	0.0046	0.0008	-	-	-	-	-	<0.005	0.00058	0.004	0.005	0.001	-	-	-	-	-	<0.005
	Nickel	0.02	0.022	0.031	0.014	0.0091	-	-	-	-	-	0.025	0.0043	0.017	0.025	0.036	-	-	-	-	-	0.006
	Selenium	0.01	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	<0.003	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	<0.003
	Vanadium	-	<0.0006	0.0011	<0.0006	0.0039	-	-	-	-	-	-	0.0016	0.0024	0.0017	0.0042	-	-	-	-	-	-
	Zinc	0.05	0.0083	0.012	0.025	0.017	-	-	-	-	-	0.005	0.015	2.2	0.61	0.13	-	-	-	-	-	0.016
	Mercury	0.001	0.000049	-	-	-	-	-	-	-	-	<0.001	0.000044	-	-	-	-	-	-	-	-	<0.001
	Antimony	0.005	<0.002	-	-	-	-	-	-	-	-	-	<0.002	-	-	-	-	-	-	-	-	-
	Barium	-	0.045	-	-	-	-	-	-	-	-	-	0.043	-	-	-	-	-	-	-	-	-
	Beryllium	-	<0.0005	-	-	-	-	-	-	-	-	-	<0.0005	-	-	-	-	-	-	-	-	-
	Cobalt	0.1	0.011	-	-	-	-	-	-	-	-	-	0.0017	-	-	-	-	-	-	-	-	-
	Manganese	0.05	0.093	-	-	-	-	-	-	-	-	-	0.053	-	-	-	-	-	-	-	-	-
	Molybdenum	-	<0.0002	-	-	-	-	-	-	-	-	-	0.0012	-	-	-	-	-	-	-	-	-
	Gold	-	<0.001	-	-	-	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	-	-	-
	Tellurium	-	0.007	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
	Thorium	-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
	Titanium	-	<0.005	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
	Uranium	-	<0.005	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
Major Ions	Sodium	200	22	13	23	31	-	-	-	-	-	-	38	54	24	12	-	-	-	-	-	-
	Potassium	-	5.8	8.3	5.7	3.1	-	-	-	-	-	-	2.8	7.3	8.5	6.7	-	-	-	-	-	-
	Calcium	-	160	170	120	120	-	-	-	-	-	-	100	140	120	120	-	-	-	-	-	-
	Magnesium	-	16	17	12	15	-	-	-	-	-	-	6.4	14	12	12	-	-	-	-	-	-
	Chloride	250	37	38	31	54	-	-	-	-	-	34	23	31	30	27	-	-	-	-	-	22
	Carbonate Alkalinity as CaCO3	-	-	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	<1.0	<1.0	<1.0	-	-	-	-	-	-
	Bicarbonate Alkalinity as CaCO3	-	-	290	210	330	-	-	-	-	-	-	-	350	420	250	-	-	-	-	-	-
	Sulphate	250	96	110	110	110	-	-	-	-	-	100	29	86	95	98	-	-	-	-	-	44
	Nitrate as NO3	50	93	120	49	62	-	-	-	-	-	66	40	75	49	41	-	-	-	-	-	36
	Nitrite as NO2	0.5	2.7	<0.02	<0.02	<0.02	-	-	-	-	-	-	0.29	0.079	<0.02	<0.02	-	-	-	-	-	-
	Total Cyanide	0.05	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-
	Ammoniacal Nitrogen as NH4	0.39	0.1	1.7	0.032	<0.03	-	-	-	-	-	0.07	0.053	0.76	0.07	0.21	-	-	-	-	-	0.04
	Total Alkalinity as CaCO3	-	-	290	210	330	-	-	-	-	-	-	-	350	420	250	-	-	-	-	-	-
	Total Organic Carbon	-	<2.0	6.5	<2.0	6.3	-	-	-	-	-	-	<2.0	6.9	<2.0	3.5	-	-	-	-	-	-
	Total Suspended Solids	-	1400	73	21	320	-	-	-	-	-	-	100	230	810	490	-	-	-	-	-	-
	Organic Nitrogen	-	8.7	4.4	1.7	4.8	-	-	-	-	-	-	1.1	28	1.8	1.5	-	-	-	-	-	-
	Biological Oxygen Demand	-	<1.0	-	-	-	-	-	-	-	-	-	<1.0	-	-	-	-	-	-	-	-	-
	Chemical Oxygen Demand	-	22	-	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-	-	-

Key

All results are in milligram per litre (mg/l).

-	Not sampled/analysed or no WQS available.
DWS	Drinking Water Standard
EQS	Freshwater Environmental Quality Standard
888	Exceeds DWS/EQS
888	Exceeds Detection Limit

	Analysed by Jones Environmental Subcontractor
	Analysed by Affinity Water

Well Screen Geology

UMH	Upper Mineral Horizon
LMH	Lower Mineral Horizon
CHALK	Chalk

Borehole Number		DWS/Freshwater EQS	BH103																			
Screened Stratum			UMH										LMH									
Sampling Technique			Bailer										Bailer									
Date			29/08/03	26/11/13	05/02/14	08/05/14	05/06/14	28/10/14	23/01/15	01/05/15	20/07/15	09/10/15	29/08/13	26/11/13	05/02/14	08/05/14	05/06/14	28/10/14	23/01/15	01/05/15	20/07/15	09/10/15
Field Readings	Bromide	-	0.053	<0.05	<0.05	<0.05	0.050		0.072	0.045	0.039	0.044	1.200	0.370	0.350	0.380	0.294	0.930	1.002	0.884	0.832	0.771
	Bromate	0.01	<0.1	<0.1	<0.1	<0.1	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	Dissolved Oxygen (ppm)	-	0.7	0.9	5.3	5.2	5.7	4.8	7.0	11.5	6.4	0.5	0.4	0.4	0.6	1.3	1.1	4.1	3.9	2.6	3.8	-
	Electric Conductivity (ms/cm²)	-	519	0	158	267	532	953	274	261	316	350	801	425	357	520	959	611	628	649	655	-
	pH	-	7.6	7.0	6.7	6.7	6.5	6.8	7.0	7.2	6.9	7.5	6.8	-	6.9	6.6	6.3	6.9	6.8	6.9	6.7	7.2
ORP	-	-21	182	172	131	257	179	221	168	218	-64	-13	136	135	147	236	152	233	210	235	-	
Metals	Arsenic	0.01	<0.0009	0.0079	<0.0009	0.001	-	-	-	-	-	<0.0025	<0.0009	<0.0009	<0.0009	<0.009	-	-	-	-	-	<0.0025
	Boron	1.0	0.0078	0.015	0.02	0.022	-	-	-	-	-	0.025	0.31	0.089	0.11	0.098	-	-	-	-	-	0.22
	Cadmium	0.005	<0.00003	<0.00003	<0.00003	<0.00003	-	-	-	-	-	<0.0005	0.00014	0.00012	<0.00003	<0.00003	-	-	-	-	-	0.0005
	Total Chromium	0.05	<0.0002	<0.0002	<0.0002	0.0018	-	-	-	-	-	0.0047	<0.0002	0.00033	0.00027	<0.0002	-	-	-	-	-	<0.0015
	Copper	2	<0.003	<0.003	<0.003	<0.003	-	-	-	-	-	<0.007	<0.003	<0.003	<0.003	<0.003	-	-	-	-	-	<0.007
	Total Iron	0.2	<0.0047	<0.0047	0.0059	<0.0047	-	-	-	-	-	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	-	-	-	-	-	-
	Lead	0.01	<0.0004	0.0051	0.0027	0.00067	-	-	-	-	-	<0.005	<0.0004	0.0023	0.0077	0.0022	-	-	-	-	-	<0.005
	Nickel	0.02	<0.0002	0.0012	0.00092	0.00091	-	-	-	-	-	<0.002	0.083	0.0089	0.011	0.0088	-	-	-	-	-	0.055
	Selenium	0.01	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	<0.003	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	<0.003
	Vanadium	-	<0.0006	0.0012	0.0007	0.004	-	-	-	-	-	-	<0.0006	0.0022	0.0007	0.0023	-	-	-	-	-	-
	Zinc	0.05	0.005	0.0025	0.0085	0.0074	-	-	-	-	-	0.004	0.0091	0.003	0.0017	0.003	-	-	-	-	-	0.014
	Mercury	0.001	<0.00001	-	-	-	-	-	-	-	-	<0.001	<0.00001	-	-	-	-	-	-	-	-	<0.001
	Antimony	0.005	<0.002	-	-	-	-	-	-	-	-	-	<0.002	-	-	-	-	-	-	-	-	-
	Barium	-	0.025	-	-	-	-	-	-	-	-	-	0.35	-	-	-	-	-	-	-	-	-
	Beryllium	-	<0.0005	-	-	-	-	-	-	-	-	-	<0.0005	-	-	-	-	-	-	-	-	-
	Cobalt	0.1	<0.0001	-	-	-	-	-	-	-	-	-	0.00078	-	-	-	-	-	-	-	-	-
	Manganese	0.05	0.19	-	-	-	-	-	-	-	-	-	9.2	-	-	-	-	-	-	-	-	-
	Molybdenum	-	<0.0002	-	-	-	-	-	-	-	-	-	<0.0002	-	-	-	-	-	-	-	-	-
	Gold	-	<0.001	-	-	-	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	-	-	-
	Tellurium	-	<0.005	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
	Thorium	-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
	Titanium	-	<0.005	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
	Uranium	-	<0.005	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
	Major Ions	Sodium	200	38	13	15	14	-	-	-	-	-	32	21	22	21	-	-	-	-	-	-
Potassium		-	1.5	1.1	0.61	0.52	-	-	-	-	-	5.6	2.1	2.2	2.1	-	-	-	-	-	-	
Calcium		-	79	93	55	62	-	-	-	-	-	130	150	130	140	-	-	-	-	-	-	
Magnesium		-	5.7	5.3	3.2	3.4	-	-	-	-	-	12	5.1	5.2	5.4	-	-	-	-	-	-	
Chloride		250	12	9.5	9.3	9.1	-	-	-	-	-	13	49	36	36	35	-	-	-	-	-	40
Carbonate Alkalinity as CaCO3		-	-	<1.0	<1.0	<1.0	-	-	-	-	-	-	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
Bicarbonate Alkalinity as CaCO3		-	-	220	170	160	-	-	-	-	-	-	310	340	310	-	-	-	-	-	-	
Sulphate		250	94	60	33	32	-	-	-	-	-	78	21	32	32	31	-	-	-	-	-	31
	Nitrate as NO ₃	50	0.97	1.6	2.3	2.5	-	-	-	-	-	1	0.66	22	19	19	-	-	-	-	-	11
	Nitrite as NO ₂	0.5	<0.02	<0.02	<0.02	<0.02	-	-	-	-	-	<0.02	<0.02	<0.02	<0.02	-	-	-	-	-	-	
	Total Cyanide	0.05	<0.01	<0.01	0.022	<0.01	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	
	Ammoniacal Nitrogen as NH ₄	0.39	0.046	<0.03	<0.03	<0.03	-	-	-	-	-	0.05	11	0.46	0.85	0.48	-	-	-	-	-	4.3
	Total Alkalinity as CaCO3	-	-	220	170	160	-	-	-	-	-	-	-	310	340	310	-	-	-	-	-	-
	Total Organic Carbon	-	2.3	6.1	<2.0	5	-	-	-	-	-	-	<2.0	6.4	<2.0	<2.0	-	-	-	-	-	-
	Total Suspended Solids	-	290	81	90	36	-	-	-	-	-	-	<10	11	13	<10	-	-	-	-	-	-
	Organic Nitrogen	-	2.0	15	0.81	1.4	-	-	-	-	-	-	1.2	17	2.4	2.4	-	-	-	-	-	-
	Biological Oxygen Demand	-	<1.0	-	-	-	-	-	-	-	-	-	<1.0	-	-	-	-	-	-	-	-	-
	Chemical Oxygen Demand	-	8.8	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	-	-	-

Key

All results are in milligram per litre (mg/l).

-	Not sampled/analysed or no WQS available.
DWS	Drinking Water Standard
EQS	Freshwater Environmental Quality Standard
888	Exceeds DWS/EQS
888	Exceeds Detection Limit

	Analysed by Jones Environmental Subcontractor
	Analysed by Affinity Water

Well Screen Geology

UMH	Upper Mineral Horizon
LMH	Lower Mineral Horizon
CHALK	Chalk

Borehole Number		DWS/Freshwater EQS	BH103										BH104									
Screened Stratum			CHALK										UMH									
Sampling Technique			Bailer										Bailer									
Date			29/08/13	26/11/13	05/02/14	08/05/14	05/06/14	28/10/14	23/01/15	01/05/15	20/07/15	09/10/15	28/08/13	26/11/13	06/02/14	09/05/14	05/06/14	29/10/14	23/01/15	29/04/15	20/07/15	09/10/15
Field Readings	Bromide	-	0.440	0.380	0.340	0.380	0.397	0.070	0.411	0.405	0.372	0.394	0.071	0.088	0.300	0.150	0.199		0.056	0.113	0.116	0.102
	Bromate	0.01	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
	Dissolved Oxygen (ppm)	-	0.5	0.4	0.6	1.2	1.8	9.6	4.5	4.4	2.8	-	6.0	3.6	3.2	6.4	6.0	4.7	7.8	10.1	5.5	0.9
	Electric Conductivity (ms/cm²)	-	846	421	352	518	974	483	321	558	598	-	233	241	100	198	386	162	201	291	338	302
	pH	-	6.9	-	6.9	6.7	5.9	6.9	7.0	7.1	6.8	7.3	6.9	-	6.8	6.4	6.1	6.3.5	6.7	7.1	6.5	7.1
ORP	-	-8	123	126	141	250	149	213	208	243	-	22	106	86	231	177	170	246	195	131	-18	
Metals	Arsenic	0.01	<0.0009	0.01	<0.0009	<0.0009	-	-	-	-	-	<0.0025	<0.0009	0.0085	0.0012	0.0016	-	-	-	-	-	<0.0025
	Boron	1.0	0.1	0.11	0.098	0.093	-	-	-	-	-	0.1	<0.002	0.0085	0.0074	0.02	-	-	-	-	-	0.014
	Cadmium	0.005	0.000041	<0.00003	<0.00003	0.000068	-	-	-	-	-	<0.0005	<0.00003	<0.00003	<0.00003	<0.00003	-	-	-	-	-	<0.0005
	Total Chromium	0.05	<0.0002	0.00048	<0.0002	<0.0002	-	-	-	-	-	0.0069	<0.0002	<0.0002	<0.0002	<0.0002	-	-	-	-	-	0.0042
	Copper	2	<0.003	<0.003	<0.003	<0.003	-	-	-	-	-	<0.007	<0.003	<0.003	<0.003	<0.003	-	-	-	-	-	<0.007
	Total Iron	0.2	<0.0047	<0.0047	0.0054	<0.0047	-	-	-	-	-	-	0.0049	0.051	0.02	<0.0047	-	-	-	-	-	-
	Lead	0.01	0.0028	0.0067	0.0076	0.0013	-	-	-	-	-	<0.005	<0.0004	0.0032	0.00068	<0.0004	-	-	-	-	-	<0.005
	Nickel	0.02	0.0091	0.0081	0.008	0.0082	-	-	-	-	-	0.006	0.015	0.0015	0.0008	0.0013	-	-	-	-	-	<0.002
	Selenium	0.01	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	<0.003	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	<0.003
	Vanadium	-	<0.0006	<0.0006	<0.0006	<0.0006	-	-	-	-	-	-	0.0015	0.0031	0.003	<0.0006	-	-	-	-	-	-
	Zinc	0.05	0.0043	0.005	0.0024	0.0029	-	-	-	-	-	0.005	0.0015	0.028	0.0037	0.0037	-	-	-	-	-	0.009
	Mercury	0.001	0.00013	-	-	-	-	-	-	-	-	<0.001	0.000027	-	-	-	-	-	-	-	-	<0.001
	Antimony	0.005	<0.002	-	-	-	-	-	-	-	-	-	<0.002	-	-	-	-	-	-	-	-	-
	Barium	-	0.054	-	-	-	-	-	-	-	-	-	0.026	-	-	-	-	-	-	-	-	-
	Beryllium	-	<0.0005	-	-	-	-	-	-	-	-	-	<0.0005	-	-	-	-	-	-	-	-	-
	Cobalt	0.1	<0.0001	-	-	-	-	-	-	-	-	-	<0.0001	-	-	-	-	-	-	-	-	-
	Manganese	0.05	0.15	-	-	-	-	-	-	-	-	-	0.0022	-	-	-	-	-	-	-	-	-
	Molybdenum	-	0.00021	-	-	-	-	-	-	-	-	-	<0.0002	-	-	-	-	-	-	-	-	-
	Gold	-	<0.001	-	-	-	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	-	-	-
	Tellurium	-	<0.005	-	-	-	-	-	-	-	-	-	0.015	-	-	-	-	-	-	-	-	-
	Thorium	-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
	Titanium	-	<0.005	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
	Uranium	-	<0.005	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
	Major Ions	Sodium	200	21	20	22	20	-	-	-	-	-	-	7.3	8.7	4.2	10	-	-	-	-	-
Potassium		-	2.2	2.0	2.1	2	-	-	-	-	-	-	0.45	0.84	0.52	0.55	-	-	-	-	-	-
Calcium		-	140	140	130	130	-	-	-	-	-	-	62	69	37	49	-	-	-	-	-	-
Magnesium		-	5.3	5.0	5.0	5.2	-	-	-	-	-	-	2.3	5.2	2.0	2.2	-	-	-	-	-	-
Chloride		250	37	35	36	34	-	-	-	-	-	38	18	19	6.5	20	-	-	-	-	-	21
Carbonate Alkalinity as CaCO3		-	-	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	<1.0	<1.0	<1.0	-	-	-	-	-	-
Bicarbonate Alkalinity as CaCO3		-	-	320	320	280	-	-	-	-	-	-	-	120	100	97	-	-	-	-	-	-
Sulphate		250	30	33	32	31	-	-	-	-	-	39	34	69	7.8	28	-	-	-	-	-	66
	Nitrate as NO ₃	50	21	22	22	20	-	-	-	-	-	23	7.1	7.1	1.2	3.7	-	-	-	-	-	3.5
	Nitrite as NO ₂	0.5	<0.02	0.046	<0.02	<0.02	-	-	-	-	-	-	<0.02	<0.02	<0.02	<0.02	-	-	-	-	-	-
	Total Cyanide	0.05	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-
	Ammoniacal Nitrogen as NH ₄	0.39	0.7	0.46	0.49	0.4	-	-	-	-	-	0.22	<0.03	<0.03	0.039	0.03	-	-	-	-	-	0.09
	Total Alkalinity as CaCO3	-	-	320	320	280	-	-	-	-	-	-	-	120	100	97	-	-	-	-	-	-
	Total Organic Carbon	-	<2.0	5.9	<2.0	2.7	-	-	-	-	-	-	3.4	4.5	6.2	8.5	-	-	-	-	-	-
	Total Suspended Solids	-	<10	16	17	<10	-	-	-	-	-	-	75	14	19	<10	-	-	-	-	-	-
	Organic Nitrogen	-	0.86	5.9	1.9	1.4	-	-	-	-	-	-	<0.5	5.2	2.2	1.5	-	-	-	-	-	-
	Biological Oxygen Demand	-	1.4	-	-	-	-	-	-	-	-	-	<1.0	-	-	-	-	-	-	-	-	-
	Chemical Oxygen Demand	-	<7.0	-	-	-	-	-	-	-	-	-	<7.0	-	-	-	-	-	-	-	-	-

Key

All results are in milligram per litre (mg/l).

-	Not sampled/analysed or no WQS available.
DWS	Drinking Water Standard
EQS	Freshwater Environmental Quality Standard
888	Exceeds DWS/EQS
888	Exceeds Detection Limit

	Analysed by Jones Environmental Subcontractor
	Analysed by Affinity Water

Well Screen Geology

UMH	Upper Mineral Horizon
LMH	Lower Mineral Horizon
CHALK	Chalk

Borehole Number		DWS/Freshwater EQS	BH104																						
Screened Stratum			LMH												CHALK										
Sampling Technique			Bailer												Bailer										
Date			04/09/13	26/11/13	06/02/14	09/05/14	05/06/14	02/07/14	29/10/14	29/10/14	23/01/15	29/04/15	20/07/15	09/10/15	28/08/13	26/11/13	06/02/14	09/05/14	05/06/14	02/07/14	29/10/14	23/01/15	29/04/15	20/07/15	09/10/15
Field Readings	Bromide	-	0.210	0.110	0.051	0.110	0.146	0.150	0.257	0.358	0.220	0.271	0.247	0.251	0.260	0.320	<0.05	0.180	0.180	0.190	0.352	0.371	0.340	0.296	0.344
	Bromate	0.01	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	0.0021	0.0041	0.0018	0.0009	0.0019	0.0019	<0.1	<0.1	<0.1	<0.1	0.0011	0.0018	0.0039	0.0042	0.0031	0.0031	0.0032
	Dissolved Oxygen (ppm)	-	7.6	1.5	3.5	4.6	3.6	3.0			4.8	7.8	3.8	0.7	4.6	2.2	2.1	4.0	3.7	2.8		4.5	5.1	4.7	-
	Electric Conductivity (ms/cm²)	-	444	307	171	266	586	221		Low Flow	346	337	428	324	368	321	250	315	595	247		431	420	490	-
	pH	-	7.2	-	7.1	6.2	6.5	6.0			6.9	7.1	6.8	7.2	7.2	-	7.1	5.7	6.5	6.2		7.0	7.1	6.9	7.4
Metals	ORP	-	58	113	67	398	191	221			241	221	213	-48	2	95	35	514	152	61		238	214	227	-
	Arsenic	0.01	0.003	0.0077	0.0011	<0.0009	-	-	-	-	-	-	-	0.0032	<0.0009	<0.0009	0.003	<0.0009	-	-	-	-	-	-	<0.0025
	Boron	1.0	0.014	0.017	0.006	0.011	-	-	-	-	-	-	-	0.021	0.024	0.024	0.029	0.023	-	-	-	-	-	-	0.046
	Cadmium	0.005	<0.00003	<0.00003	<0.00003	<0.00003	-	-	-	-	-	-	-	<0.0005	<0.00003	<0.00003	<0.00003	<0.00003	-	-	-	-	-	-	<0.0005
	Total Chromium	0.05	<0.0002	<0.0002	<0.0002	<0.0002	-	-	-	-	-	-	-	0.0062	<0.0002	0.00052	<0.0002	<0.0002	-	-	-	-	-	-	0.0071
	Copper	2	<0.003	<0.003	<0.003	<0.003	-	-	-	-	-	-	-	<0.007	<0.003	<0.003	<0.003	<0.003	-	-	-	-	-	-	<0.007
	Total Iron	0.2	<0.0047	<0.0047	<0.0047	<0.0047	-	-	-	-	-	-	-	-	<0.0047	0.012	0.022	0.023	-	-	-	-	-	-	-
	Lead	0.01	<0.0004	0.0039	<0.0004	<0.0004	-	-	-	-	-	-	-	<0.005	<0.0004	<0.0004	0.00091	0.00098	-	-	-	-	-	-	<0.005
	Nickel	0.02	<0.0002	<0.0002	<0.0002	0.00022	-	-	-	-	-	-	-	<0.002	<0.0002	0.001	0.00029	0.00037	-	-	-	-	-	-	<0.002
	Selenium	0.01	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	-	-	<0.003	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	-	<0.003
	Vanadium	-	0.0008	0.0007	0.0025	0.0016	-	-	-	-	-	-	-	-	0.0011	0.0026	0.002	<0.0006	-	-	-	-	-	-	-
	Zinc	0.05	0.0034	0.0049	0.0023	0.0033	-	-	-	-	-	-	-	0.008	<0.0015	0.11	0.014	0.015	-	-	-	-	-	-	0.004
	Mercury	0.001	<0.00001	-	-	-	-	-	-	-	-	-	-	<0.001	0.000021	-	-	-	-	-	-	-	-	-	<0.001
	Antimony	0.005	<0.002	-	-	-	-	-	-	-	-	-	-	-	<0.002	-	-	-	-	-	-	-	-	-	-
	Barium	-	0.035	-	-	-	-	-	-	-	-	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-
	Beryllium	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	<0.0005	-	-	-	-	-	-	-	-	-	-
	Cobalt	0.1	<0.0001	-	-	-	-	-	-	-	-	-	-	-	<0.0001	-	-	-	-	-	-	-	-	-	-
	Manganese	0.05	0.0061	-	-	-	-	-	-	-	-	-	-	-	0.023	-	-	-	-	-	-	-	-	-	-
	Molybdenum	-	<0.0002	-	-	-	-	-	-	-	-	-	-	-	<0.0002	-	-	-	-	-	-	-	-	-	-
	Gold	-	<0.001	-	-	-	-	-	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-
	Tellurium	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-
	Thorium	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-
	Titanium	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-
	Uranium	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	0.015	-	-	-	-	-	-	-	-	-	-
Major Ions	Sodium	200	8.8	8.0	6.4	7.8	-	-	-	-	-	-	-	11	11	11	9.6	-	-	-	-	-	-	-	
	Potassium	-	1.0	0.9	0.69	0.8	-	-	-	-	-	-	-	1.3	1.3	1.1	0.91	-	-	-	-	-	-	-	
	Calcium	-	110	100	64	75	-	-	-	-	-	-	-	110	120	100	88	-	-	-	-	-	-	-	
	Magnesium	-	4.2	3.9	2.8	3.3	-	-	-	-	-	-	-	3.8	3.9	3.0	3.2	-	-	-	-	-	-	-	
	Chloride	250	20	17	12	16	-	-	-	-	-	-	18	24	24	23	21	-	-	-	-	-	-	25	
	Carbonate Alkalinity as CaCO3	-	-	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	-	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	
	Bicarbonate Alkalinity as CaCO3	-	-	210	150	150	-	-	-	-	-	-	-	-	250	240	200	-	-	-	-	-	-	-	
	Sulphate	250	47	59	32	42	-	-	-	-	-	-	-	54	39	41	28	33	-	-	-	-	-	29	
	Nitrate as NO ₃	50	12	8.0	4.4	4.9	-	-	-	-	-	-	8	15	12	11	8.4	-	-	-	-	-	-	16	
	Nitrite as NO ₂	0.5	<0.02	<0.02	<0.02	<0.02	-	-	-	-	-	-	-	<0.02	<0.02	<0.02	<0.02	-	-	-	-	-	-	-	
	Total Cyanide	0.05	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	
	Ammoniacal Nitrogen as NH ₄	0.39	0.035	<0.03	<0.03	<0.03	-	-	-	-	-	-	0.04	0.034	<0.03	0.032	0.11	-	-	-	-	-	-	0.04	
	Total Alkalinity as CaCO3	-	-	210	150	150	-	-	-	-	-	-	-	-	250	240	200	-	-	-	-	-	-	-	
	Total Organic Carbon	-	<2.0	6.1	2.9	5.6	-	-	-	-	-	-	-	<2.0	6.4	<2.0	5.7	-	-	-	-	-	-	-	
	Total Suspended Solids	-	35	<10	14	<10	-	-	-	-	-	-	-	350	31	220	10	-	-	-	-	-	-	-	
	Organic Nitrogen	-	3.8	2.2	2.0	1.1	-	-	-	-	-	-	-	0.7	4.8	2.2	1.8	-	-	-	-	-	-	-	
	Biological Oxygen Demand	-	<1.0	-	-	-	-	-	-	-	-	-	-	<1.0	-	-	-	-	-	-	-	-	-	-	
	Chemical Oxygen Demand	-	25	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-	-	-	-	

Key

All results are in milligram per litre (mg/l).

-

Not sampled/analysed or no WQS available.

DWS

Drinking Water Standard

EQS

Freshwater Environmental Quality Standard

888

Exceeds DWS/EQS

888

Exceeds Detection Limit

Analysed by Jones Environmental Subcontractor

Analysed by Affinity Water

Well Screen Geology

UMH

Upper Mineral Horizon

LMH

Lower Mineral Horizon

CHALK

Chalk

Borehole Number		DWS/Freshwater EQS	BH105																							
Screened Stratum			UMH(X)								LMH															
Sampling Technique							Bailer		Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer	Bailer							
Date			03/06/2014	29/10/14	23/01/15	29/04/15	16/07/15	08/10/15	30/08/13	26/09/13	22/10/13	19/11/13	12/12/13	10/01/14	07/02/14	03/03/14	09/04/14	09/05/14	03/06/14	02/07/14	02/07/14	29/10/14	23/01/15	29/04/15	16/07/15	08/10/15
Field Readings	Bromide	-	0.202		0.161	0.169	0.590	0.140	1.100	0.180	0.260	0.520	0.430	0.170	0.140	0.140	0.640	0.890	0.619	0.910	1.047	0.830	0.991	0.910	0.869	1.001
	Bromate	0.01	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	0.33	<0.1	<0.1	0.12	<0.1	<0.1	0.29	<0.1	0.22	0.29	0.18	0.11	0.3106	0.2786	0.2997	0.3018	0.2654	0.3072
	Dissolved Oxygen (ppm)	-	5.7	6.0	4.3	9.3	6.4	6.6	-	-	-	-	-	-	-	-	-	-	-	-	5.4	6.3	7.6	6.0	6.4	
	Electric Conductivity (ms/cm²)	-	946	266	486	451	530	473	-	-	-	-	-	-	-	-	-	-	-	-	266	470	470	556	522	
	pH	-	6.0	6.1	6.7	6.9	6.6	6.6	-	-	-	-	-	-	-	-	-	-	-	-	6.2	7.0	7.1	6.9	7.0	
	ORP	-	265	180	248	162	182	144	-	-	-	-	-	-	-	-	-	-	-	-	-	178	241	168	108	153
Metals	Arsenic	0.01	<0.0009	-	-	-	-	0.0034	<0.0009	-	-	0.0081	-	-	0.002	-	-	-	-	-	-	-	-	-	-	<0.0025
	Boron	1.0	0.03	-	-	-	-	0.037	0.018	-	-	0.03	-	-	0.025	-	-	-	-	-	-	-	-	-	-	0.034
	Cadmium	0.005	<0.00003	-	-	-	-	<0.0005	<0.00003	-	-	<0.00003	-	-	<0.00003	-	-	-	-	-	-	-	-	-	-	<0.0005
	Total Chromium	0.05	0.0110	-	-	-	-	0.052	<0.0002	-	-	0.087	-	-	0.11	-	-	-	-	-	-	-	-	-	-	0.013
	Copper	2	<0.003	-	-	-	-	<0.007	<0.003	-	-	<0.003	-	-	<0.003	-	-	-	-	-	-	-	-	-	-	<0.007
	Total Iron	0.2	<0.0047	-	-	-	-	-	<0.0047	-	-	<0.0047	-	-	0.0053	-	-	-	-	-	-	-	-	-	-	-
	Lead	0.01	0.0004	-	-	-	-	<0.005	<0.0004	-	-	0.0031	-	-	<0.0004	-	-	-	-	-	-	-	-	-	-	<0.005
	Nickel	0.02	0.0026	-	-	-	-	<0.002	<0.0002	-	-	0.0003	-	-	<0.0002	-	-	-	-	-	-	-	-	-	-	<0.002
	Selenium	0.01	<0.0012	-	-	-	-	<0.003	<0.0012	-	-	<0.0012	-	-	<0.0012	-	-	-	-	-	-	-	-	-	-	<0.003
	Vanadium	-	0.0014	-	-	-	-	-	<0.0006	-	-	0.0014	-	-	0.0031	-	-	-	-	-	-	-	-	-	-	-
	Zinc	0.05	0.01	-	-	-	-	<0.003	0.0024	-	-	0.0056	-	-	0.009	-	-	-	-	-	-	-	-	-	-	<0.003
	Mercury	0.001	<0.0005	-	-	-	-	<0.001	0.000041	-	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
	Antimony	0.005	-	-	-	-	-	-	<0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	-	-	-	-	-	-	-	0.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	-	-	-	-	-	-	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cobalt	0.1	-	-	-	-	-	-	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Manganese	0.05	-	-	-	-	-	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Molybdenum	-	-	-	-	-	-	-	<0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Gold	-	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tellurium	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Titanium	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Uranium	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Major Ions	Sodium	200	16	-	-	-	-	-	15	-	-	19	-	-	18	-	-	-	-	-	-	-	-	-	-	-
	Potassium	-	1.1	-	-	-	-	-	1.8	-	-	1.7	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-
	Calcium	-	150	-	-	-	-	-	120	-	-	110	-	-	99	-	-	-	-	-	-	-	-	-	-	-
	Magnesium	-	5.8	-	-	-	-	-	2.9	-	-	4.0	-	-	4.2	-	-	-	-	-	-	-	-	-	-	-
	Chloride	250	13	-	-	-	-	16	29	-	-	26	-	-	31	-	-	-	-	-	-	-	-	-	-	32
	Carbonate Alkalinity as CaCO3	-	<1	-	-	-	-	-	-	-	-	<1.0	-	-	<1.0	-	-	-	-	-	-	-	-	-	-	-
	Bicarbonate Alkalinity as CaCO3	-	330	-	-	-	-	-	-	-	-	230	-	-	260	-	-	-	-	-	-	-	-	-	-	-
	Sulphate	250	74	-	-	-	-	100	120	-	-	82	-	-	42	-	-	-	-	-	-	-	-	-	-	44
	Nitrate as NO ₃	50	6.6	-	-	-	-	14	21	-	-	20	-	-	18	-	-	-	-	-	-	-	-	-	-	28
	Nitrite as NO ₂	0.5	<0.02	-	-	-	-	-	0.49	-	-	<0.02	-	-	<0.02	-	-	-	-	-	-	-	-	-	-	-
	Total Cyanide	0.05	<0.01	-	-	-	-	-	<0.01	-	-	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Ammoniacal Nitrogen as NH ₄	0.39	<0.03	-	-	-	-	0.04	0.19	-	-	0.046	-	-	0.033	-	-	-	-	-	-	-	-	-	-	<0.03
	Total Alkalinity as CaCO3	-	330	-	-	-	-	-	-	-	-	230	-	-	260	-	-	-	-	-	-	-	-	-	-	-
	Total Organic Carbon	-	<2	-	-	-	-	-	2.2	-	-	<2.0	-	-	<2.0	-	-	-	-	-	-	-	-	-	-	-
	Total Suspended Solids	-	10	-	-	-	-	-	82	-	-	220	-	-	91	-	-	-	-	-	-	-	-	-	-	-
	Organic Nitrogen	-	2.2	-	-	-	-	-	3.0	-	-	1.3	-	-	2.1	-	-	-	-	-	-	-	-	-	-	-
	Biological Oxygen Demand	-	-	-	-	-	-	-	<1.0	-	-	<1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chemical Oxygen Demand	-	-	-	-	-	-	-	16	-	-	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Key	
-	Not sampled/analysed or no WQS available.
DWS	Drinking Water Standard
EQS	Freshwater Environmental Quality Standard
888	Exceeds DWS/EQS
888	Exceeds Detection Limit

	Analysed by Jones Environmental Subcontractor
	Analysed by Affinity Water

Well Screen Geology	
UMH	Upper Mineral Horizon
LMH	Lower Mineral Horizon
CHALK	Chalk

Borehole Number		DWS/Freshwater EQS	BH105																	
Screened Stratum			CHALK																	
Sampling Technique																				
Date			30/08/13	26/09/13	22/10/13	19/11/13	12/12/13	10/01/14	07/02/14	03/03/14	09/04/14	09/05/14	03/06/14	02/07/14	02/07/14	29/10/14	23/01/15	01/05/15	16/07/15	08/10/15
Field Readings	Bromide	-	0.610	0.095	0.120	0.100	0.100	0.130	0.400	0.110	0.550	0.380	0.480	0.580	0.465	0.218	0.499	0.566	0.456	0.538
	Bromate	0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.19	<0.1	0.13	0.05	0.1205	0.0243	0.1166	0.1541	0.1180	0.1383
	Dissolved Oxygen (ppm)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	3.4	4.4	4.9	5.2
	Electric Conductivity (ms/cm²)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	290	486	557	561	522
	pH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	6.9	7.1	6.8	6.8
	ORP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	178	234	188	80	152
Metals	Arsenic	0.01	<0.0009	-	-	0.0053	-	-	<0.0009	-	-	-	-	-	-	-	-	-	-	<0.0025
	Boron	1.0	0.03	-	-	0.034	-	-	0.027	-	-	-	-	-	-	-	-	-	-	0.041
	Cadmium	0.005	0.00012	-	-	<0.00003	-	-	<0.00003	-	-	-	-	-	-	-	-	-	-	<0.0005
	Total Chromium	0.05	0.0059	-	-	0.22	-	-	0.14	-	-	-	-	-	-	-	-	-	-	0.14
	Copper	2	<0.003	-	-	0.0089	-	-	<0.003	-	-	-	-	-	-	-	-	-	-	<0.007
	Total Iron	0.2	<0.0047	-	-	0.41	-	-	<0.0047	-	-	-	-	-	-	-	-	-	-	-
	Lead	0.01	<0.0004	-	-	0.0058	-	-	0.00069	-	-	-	-	-	-	-	-	-	-	<0.005
	Nickel	0.02	0.0035	-	-	0.0023	-	-	0.00075	-	-	-	-	-	-	-	-	-	-	<0.002
	Selenium	0.01	<0.0012	-	-	<0.0012	-	-	<0.0012	-	-	-	-	-	-	-	-	-	-	<0.003
	Vanadium	-	<0.0006	-	-	0.004	-	-	0.003	-	-	-	-	-	-	-	-	-	-	-
	Zinc	0.05	0.0075	-	-	0.018	-	-	0.0034	-	-	-	-	-	-	-	-	-	-	<0.003
	Mercury	0.001	<0.00001	-	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
	Antimony	0.005	<0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	-	0.037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cobalt	0.1	0.0012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Manganese	0.05	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Molybdenum	-	0.0015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Gold	-	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tellurium	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Titanium	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Uranium	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Major Ions	Sodium	200	63	-	-	25	-	-	22	-	-	-	-	-	-	-	-	-	-	-
	Potassium	-	2.0	-	-	2.0	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-
	Calcium	-	120	-	-	96	-	-	91	-	-	-	-	-	-	-	-	-	-	-
	Magnesium	-	4.2	-	-	4.8	-	-	4.4	-	-	-	-	-	-	-	-	-	-	-
	Chloride	250	33	-	-	23	-	-	24	-	-	-	-	-	-	-	-	-	-	24
	Carbonate Alkalinity as CaCO3	-	-	-	-	<1.0	-	-	<1.0	-	-	-	-	-	-	-	-	-	-	-
	Bicarbonate Alkalinity as CaCO3	-	-	-	-	160	-	-	950	-	-	-	-	-	-	-	-	-	-	-
	Sulphate	250	32	-	-	130	-	-	97	-	-	-	-	-	-	-	-	-	-	110
Nutrients	Nitrate as NO3	50	28	-	-	12	-	-	17	-	-	-	-	-	-	-	-	-	-	21
	Nitrite as NO2	0.5	<0.02	-	-	<0.02	-	-	<0.02	-	-	-	-	-	-	-	-	-	-	-
	Total Cyanide	0.05	<0.01	-	-	<0.01	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-
	Ammoniacal Nitrogen as NH4	0.39	0.069	-	-	0.096	-	-	0.048	-	-	-	-	-	-	-	-	-	-	0.03
	Total Alkalinity as CaCO3	-	-	-	-	160	-	-	950	-	-	-	-	-	-	-	-	-	-	-
	Total Organic Carbon	-	<2.0	-	-	4.1	-	-	<2.0	-	-	-	-	-	-	-	-	-	-	-
	Total Suspended Solids	-	880	-	-	74	-	-	1900	-	-	-	-	-	-	-	-	-	-	-
	Organic Nitrogen	-	1.3	-	-	2.5	-	-	2.8	-	-	-	-	-	-	-	-	-	-	-
	Biological Oxygen Demand	-	<1.0	-	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chemical Oxygen Demand	-	12	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Key

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Not sampled/analysed or no WQS available.

DWS

Drinking Water Standard

EQS

Freshwater Environmental Quality Standard

888

Exceeds DWS/EQS

888

Exceeds Detection Limit

Analysed by Jones Environmental Subcontractor

Analysed by Affinity Water

Well Screen Geology	
UMH	Upper Mineral Horizon
LMH	Lower Mineral Horizon
CHALK	Chalk

Borehole Number		DWS/Freshwater EQS	BH106																			
Screened Stratum			UMH										LMH									
Sampling Technique			Bailer																			
Date			27/08/13	21/11/13	04/02/14	07/05/14	03/06/14	28/10/14	23/01/15	28/04/15	20/07/15	12/10/15	27/08/13	21/11/13	04/02/14	07/05/14	03/06/14	28/10/14	23/01/15	28/04/15	20/07/15	12/10/15
Field Readings	Bromide	-	0.052	<0.05	0.063	0.062	0.170		0.074	0.071	0.059	0.063	0.170	0.180	0.130	0.210	0.230	0.204	0.252	0.253	0.239	0.255
	Bromate	0.01	<0.1	<0.1	<0.1	<0.1	<0.0005		0.0021	0.0016	<0.0005	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	<0.0005
	Dissolved Oxygen (ppm)	-	4.5	5.0	2.1	2.4	0.7	6.8	5.1	6.5	5.0	5.9	2.4	2.5	3.0	3.9	3.1	6.4	3.4	6.4	4.0	4.3
	Electric Conductivity (ms/cm²)	-	260	211	169	476	514	436	278	288	306	316	397	385	315	894	931	720	497	672	573	561
	pH	-	7.5	6.6	6.7	6.0	5.8	6.8	7.1	6.8	6.4	6.4	7.1	7.2	7.2	6.2	8.0	6.7	7.0	7.2	6.9	6.9
	ORP	-	47	65	-6	13	22	150	215	214	140	123	66	117	58	72	30	160	190	217	158	117
Metals	Arsenic	0.01	<0.0009	<0.0009	<0.0009	0.0028	-	-	-	-	-	<0.0025	<0.0009	<0.0009	<0.0009	0.0022	-	-	-	-	-	<0.0025
	Boron	1.0	0.035	0.017	0.041	0.041	-	-	-	-	-	0.028	0.034	0.028	0.033	0.032	-	-	-	-	-	0.042
	Cadmium	0.005	<0.00003	<0.00003	0.00026	0.00075	-	-	-	-	-	<0.0005	<0.00003	<0.00003	<0.00003	0.000085	-	-	-	-	-	<0.0005
	Total Chromium	0.05	<0.0002	<0.0002	<0.0002	<0.0002	-	-	-	-	-	0.0091	<0.0002	<0.0002	<0.0002	<0.0002	-	-	-	-	-	0.0064
	Copper	2	<0.003	<0.003	<0.003	<0.003	-	-	-	-	-	<0.007	<0.003	<0.003	<0.003	<0.003	-	-	-	-	-	<0.007
	Total Iron	0.2	0.0051	0.057	1.9	4.4	-	-	-	-	-	-	<0.0047	<0.0047	<0.0047	<0.0047	-	-	-	-	-	-
	Lead	0.01	0.0011	0.00065	0.0039	0.0058	-	-	-	-	-	<0.005	0.0014	0.0012	0.0044	0.0082	-	-	-	-	-	<0.005
	Nickel	0.02	0.00093	0.00054	0.0018	0.0065	-	-	-	-	-	<0.002	0.0012	<0.0002	0.00038	0.00053	-	-	-	-	-	<0.002
	Selenium	0.01	<0.0012	<0.0012	<0.0012	>0.0012	-	-	-	-	-	<0.003	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	<0.003
	Vanadium	-	0.0014	<0.0006	<0.0006	0.0017	-	-	-	-	-	-	0.00093	<0.0006	0.0011	0.0006	-	-	-	-	-	-
	Zinc	0.05	0.01	0.11	3.0	0.32	-	-	-	-	-	0.007	0.0077	0.0017	0.0032	<0.0015	-	-	-	-	-	0.008
	Mercury	0.001	0.000027	-	-	-	-	-	-	-	-	<0.001	<0.00001	-	-	-	-	-	-	-	-	<0.001
	Antimony	0.005	<0.002	-	-	-	-	-	-	-	-	-	<0.002	-	-	-	-	-	-	-	-	-
	Barium	-	0.029	-	-	-	-	-	-	-	-	-	0.034	-	-	-	-	-	-	-	-	-
	Beryllium	-	<0.0005	-	-	-	-	-	-	-	-	-	<0.0005	-	-	-	-	-	-	-	-	-
	Cobalt	0.1	0.00042	-	-	-	-	-	-	-	-	-	0.00029	-	-	-	-	-	-	-	-	-
	Manganese	0.05	0.1	-	-	-	-	-	-	-	-	-	0.13	-	-	-	-	-	-	-	-	-
	Molybdenum	-	0.00022	-	-	-	-	-	-	-	-	-	<0.0002	-	-	-	-	-	-	-	-	-
	Gold	-	<0.001	-	-	-	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	-	-	-
	Tellurium	-	0.0063	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
Thorium	-	<0.01	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	
Titanium	-	<0.005	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	
Uranium	-	<0.005	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	
Major Ions	Sodium	200	7.0	6.5	11	11	-	-	-	-	-	23	18	18	18	-	-	-	-	-	-	-
	Potassium	-	0.62	0.46	0.96	1.2	-	-	-	-	-	1.5	1.7	1.6	1.6	-	-	-	-	-	-	-
	Calcium	-	67	62	62	58	-	-	-	-	-	120	140	130	130	-	-	-	-	-	-	-
	Magnesium	-	6.0	6.8	4.8	4.8	-	-	-	-	-	5.6	4.8	5.2	4.9	-	-	-	-	-	-	-
	Chloride	250	8.8	8.5	8.7	10	-	-	-	-	-	10	23	30	26	30	-	-	-	-	-	35
	Carbonate Alkalinity as CaCO3	-	-	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	<1.0	<1.0	<1	-	-	-	-	-	-
	Bicarbonate Alkalinity as CaCO3	-	-	130	180	170	-	-	-	-	-	-	270	300	280	-	-	-	-	-	-	-
	Sulphate	250	42	49	32	26	-	-	-	-	-	53	53	57	55	54	-	-	-	-	-	47
	Nitrate as NO ₃	50	4.2	5.8	2.9	2.4	-	-	-	-	-	7.5	19	20	18	23	-	-	-	-	-	26
	Nitrite as NO ₂	0.5	<0.02	<0.02	<0.02	<0.02	-	-	-	-	-	0.12	<0.02	<0.02	<0.02	-	-	-	-	-	-	-
	Total Cyanide	0.05	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-
	Ammoniacal Nitrogen as NH ₄	0.39	<0.03	0.046	<0.03	0.04	-	-	-	-	-	<0.03	<0.03	<0.03	<0.03	<0.03	-	-	-	-	-	0.09
	Total Alkalinity as CaCO3	-	-	130	180	170	-	-	-	-	-	-	270	300	280	-	-	-	-	-	-	-
	Total Organic Carbon	-	<2.0	4.4	2.6	4.1	-	-	-	-	-	-	<2.0	6.7	<2.0	<2.0	-	-	-	-	-	-
	Total Suspended Solids	-	30	13	31	23	-	-	-	-	-	-	41	26	26	<10	-	-	-	-	-	-
	Organic Nitrogen	-	10	<0.5	2.2	1.8	-	-	-	-	-	-	1.9	<0.5	2.7	2.4	-	-	-	-	-	-
	Biological Oxygen Demand	-	<1.0	<1.0	-	-	-	-	-	-	-	-	<1.0	<1.0	-	-	-	-	-	-	-	-
	Chemical Oxygen Demand	-	<7.0	9.7	-	-	-	-	-	-	-	-	<7.0	<7.0	-	-	-	-	-	-	-	-

Key

All results are in milligram per litre (mg/l).

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Not sampled/analysed or no WQS available.

DWS

Drinking Water Standard

EQS

Freshwater Environmental Quality Standard

888

Exceeds DWS/EQS

888

Exceeds Detection Limit

Analysed by Jones Environmental Subcontractor

Analysed by Affinity Water

Well Screen Geology

UMH

Upper Mineral Horizon

LMH

Lower Mineral Horizon

CHALK

Chalk

Borehole Number		DWS/Freshwater EQS	BH106										BH107					
Screened Stratum			CHALK										UMH					
Sampling Technique			Bailer										Bailer					
Date			27/08/13	21/11/13	05/02/14	07/05/14	03/06/14	28/10/14	23/01/15	28/04/15	20/07/15	12/10/15	04/06/14	28/10/14	23/01/15	30/04/15	17/07/15	07/10/15
Field Readings	Bromide	-	0.064	0.059	<0.05	<0.05	0.050	0.054	0.062	0.055	0.049	0.050	0.164		0.069	0.150	0.153	0.162
	Bromate	0.01	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
	Dissolved Oxygen (ppm)	-	3.2	0.9	3.1	4.9	4.5	6.4	5.1	8.5	4.4	5.5	5.0	3.3	6.6	5.8	3.5	0.5
	Electric Conductivity (ms/cm²)	-	401	380	231	487	551	603	383	625	416	402	675	306	483	553	595	505
	pH	-	7.0	7.8	6.9	5.8	6.5	6.8	7.3	7.3	7.1	7.1	6.2	6.9	6.3	6.4	6.3	6.7
	ORP	-	58	26	220	68	79	134	184	120	146	113	154	138	87	165	182	-56
Metals	Arsenic	0.01	<0.0009	<0.0009	<0.0009	<0.0009	-	-	-	-	-	<0.0025	-	-	-	-	-	<0.0025
	Boron	1.0	0.1	0.049	0.013	0.016	-	-	-	-	-	0.02	-	-	-	-	-	0.046
	Cadmium	0.005	<0.00003	<0.00003	<0.00003	0.00015	-	-	-	-	-	<0.0005	-	-	-	-	-	<0.0005
	Total Chromium	0.05	<0.0002	<0.0002	<0.0002	0.00024	-	-	-	-	-	0.0033	-	-	-	-	-	0.0053
	Copper	2	<0.003	<0.003	0.016	<0.003	-	-	-	-	-	<0.007	-	-	-	-	-	<0.007
	Total Iron	0.2	0.0075	<0.0047	0.012	0.7	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	0.01	<0.0004	0.00084	0.004	0.004	-	-	-	-	-	<0.005	-	-	-	-	-	<0.005
	Nickel	0.02	0.00092	0.0045	0.0035	0.0018	-	-	-	-	-	<0.002	-	-	-	-	-	0.003
	Selenium	0.01	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	-	-	<0.003	-	-	-	-	-	<0.003
	Vanadium	-	<0.0006	<0.0006	0.0007	0.0015	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	0.05	0.0025	3.3	7.1	0.078	-	-	-	-	-	0.014	-	-	-	-	-	0.075
	Mercury	0.001	0.00037	-	-	-	-	-	-	-	-	<0.001	-	-	-	-	-	<0.001
	Antimony	0.005	<0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	-	0.048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cobalt	0.1	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Manganese	0.05	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Molybdenum	-	<0.0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Gold	-	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tellurium	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thorium	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Titanium	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Uranium	-	<0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Major Ions	Sodium	200	56	90	16	6.7	-	-	-	-	-	-	-	-	-	-	-	-
	Potassium	-	2.7	2.0	1.2	0.57	-	-	-	-	-	-	-	-	-	-	-	-
	Calcium	-	65	65	76	62	-	-	-	-	-	-	-	-	-	-	-	-
	Magnesium	-	5.0	3.6	6.6	7.3	-	-	-	-	-	-	-	-	-	-	-	-
	Chloride	250	14	13	9.7	9.3	-	-	-	-	-	11	-	-	-	-	-	13
	Carbonate Alkalinity as CaCO3	-	-	<1.0	<1.0	<1	-	-	-	-	-	-	-	-	-	-	-	-
	Bicarbonate Alkalinity as CaCO3	-	-	350	230	120	-	-	-	-	-	-	-	-	-	-	-	-
	Sulphate	250	26	69	55	52	-	-	-	-	-	38	-	-	-	-	-	260
Nutrients	Nitrate as NO ₃	50	11	1.7	4.9	9.7	-	-	-	-	-	9.7	-	-	-	-	-	14
	Nitrite as NO ₂	0.5	0.36	<0.02	<0.02	<0.02	-	-	-	-	-	-	-	-	-	-	-	-
	Total Cyanide	0.05	<0.01	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-
	Ammoniacal Nitrogen as NH ₄	0.39	0.036	0.058	0.053	0.06	-	-	-	-	-	0.05	-	-	-	-	-	<0.03
	Total Alkalinity as CaCO3	-	-	350	230	120	-	-	-	-	-	-	-	-	-	-	-	-
	Total Organic Carbon	-	<2.0	8.7	<2.0	2.8	-	-	-	-	-	-	-	-	-	-	-	-
	Total Suspended Solids	-	4900	230	83	-	-	-	-	-	-	-	-	-	-	-	-	-
	Organic Nitrogen	-	2.0	<0.5	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Biological Oxygen Demand	-	<1.0	<1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chemical Oxygen Demand	-	19	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Key

All results are in milligram per litre (mg/l).

-

Not sampled/analysed or no WQS available.

DWS

Drinking Water Standard

EQS

Freshwater Environmental Quality Standard

888

Exceeds DWS/EQS

888

Exceeds Detection Limit

Analysed by Jones Environmental Subcontractor

Analysed by Affinity Water

Well Screen Geology	
UMH	Upper Mineral Horizon
LMH	Lower Mineral Horizon
CHALK	Chalk

Borehole Number			BH107											
Screened Stratum			LMH						CHALK					
Sampling Technique			Bailer						Bailer					
Date			04/06/14	28/10/14	23/01/15	30/04/15	17/07/15	07/10/15	04/06/14	28/10/14	23/01/15	30/04/15	17/07/15	07/10/15
-	Bromide	-	0.189	0.204	0.161	0.198	0.183	0.189	0.182	0.167	0.206	0.164	0.149	0.142
	Bromate	0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	Dissolved Oxygen (ppm)	-	1.1	3.3	1.9	2.8	2.4	-	1.5	5.1	3.5	44.1	2.9	-
	Electric Conductivity (ms/cm²)	-	848	925	577	621	662	-	808	921	582	569	618	-
	pH	-	6.9	6.4	6.9	7.0	6.9	7.2	5.8	6.1	6.9	1.0	6.8	7.1
Field Readings	ORP	-	133	165	144	178	184	-	190	116	128	170	185	-
	Arsenic	0.01	-	-	-	-	-	<0.0025	-	-	-	-	-	<0.0025
	Boron	1.0	-	-	-	-	-	0.093	-	-	-	-	-	0.1
	Cadmium	0.005	-	-	-	-	-	<0.0005	-	-	-	-	-	<0.0005
	Total Chromium	0.05	-	-	-	-	-	<0.0015	-	-	-	-	-	<0.0015
Metals	Copper	2	-	-	-	-	-	<0.007	-	-	-	-	-	<0.007
	Total Iron	0.2	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	0.01	-	-	-	-	-	<0.005	-	-	-	-	-	<0.005
	Nickel	0.02	-	-	-	-	-	<0.002	-	-	-	-	-	<0.002
	Selenium	0.01	-	-	-	-	-	<0.003	-	-	-	-	-	<0.003
	Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	0.05	-	-	-	-	-	<0.003	-	-	-	-	-	0.01
	Mercury	0.001	-	-	-	-	-	<0.001	-	-	-	-	-	<0.001
	Antimony	0.005	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cobalt	0.1	-	-	-	-	-	-	-	-	-	-	-	-
	Manganese	0.05	-	-	-	-	-	-	-	-	-	-	-	-
	Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-
	Gold	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tellurium	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thorium	-	-	-	-	-	-	-	-	-	-	-	-	-
	Titanium	-	-	-	-	-	-	-	-	-	-	-	-	-
	Uranium	-	-	-	-	-	-	-	-	-	-	-	-	-
Major Ions	Sodium	200	-	-	-	-	-	-	-	-	-	-	-	-
	Potassium	-	-	-	-	-	-	-	-	-	-	-	-	-
	Calcium	-	-	-	-	-	-	-	-	-	-	-	-	-
	Magnesium	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloride	250	-	-	-	-	-	43	-	-	-	-	-	28
	Carbonate Alkalinity as CaCO3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bicarbonate Alkalinity as CaCO3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sulphate	250	-	-	-	-	-	59	-	-	-	-	-	110
-	Nitrate as NO ₃	50	-	-	-	-	-	38	-	-	-	-	-	28
	Nitrite as NO ₂	0.5	-	-	-	-	-	-	-	-	-	-	-	-
	Total Cyanide	0.05	-	-	-	-	-	-	-	-	-	-	-	-
	Ammoniacal Nitrogen as NH ₄	0.39	-	-	-	-	-	0.04	-	-	-	-	-	0.03
	Total Alkalinity as CaCO3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Organic Carbon	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Suspended Solids	-	-	-	-	-	-	-	-	-	-	-	-	-
	Organic Nitrogen	-	-	-	-	-	-	-	-	-	-	-	-	-
	Biological Oxygen Demand	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chemical Oxygen Demand	-	-	-	-	-	-	-	-	-	-	-	-	-

Key	
All results are in milligram per litre (mg/l).	
-	Not sampled/analysed or no WQS available.
DWS	Drinking Water Standard
EQS	Freshwater Environmental Quality Standard
888	Exceeds DWS/EQS
888	Exceeds Detection Limit
	Analysed by Jones Environmental Subcontractor
	Analysed by Affinity Water


Well Screen Geology	
UMH	Upper Mineral Horizon
LMH	Lower Mineral Horizon
CHALK	Chalk

[illegible]

Key

All results are in milligram per litre (mg/l).

–	Not sampled/analysed or no WQS available
DWS	Drinking Water Standard
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 Analysed by Jones Environmental Subcontractor
 Analysed by Affinity Water

Well Screen Geology

UMH	Upper Mineral Horizon
LMH	Lower Mineral Horizon
CHALK	Chalk

Borehole Number		DWS/Freshwater EQS	BH201														
Screened Stratum			LMH-S								LMH-D						
Sampling Technique			Bailer								Bailer						
Date			Bailer								Bailer						
			03/06/14	02/07/14	02/07/14	29/10/14	23/01/15	29/04/15	17/07/15	09/10/15	03/06/14	02/07/14	29/10/14	23/01/15	29/04/15	17/07/15	09/10/15
Field Readings	Bromide	-	0.500	0.680	0.569	0.573	0.611	0.554	0.549	0.080	0.370	0.383	0.397	0.421	0.416	0.359	0.391
	Bromate	0.01	0.11	0.06	0.1542	0.1200	0.1259	0.1309	0.1123	0.1220	0.09	0.0863	0.0865	0.0860	0.0897	0.0761	0.0770
	Dissolved Oxygen (ppm)	-	-	-	-	4.8	5.7	6.7	4.1	5.6	-	-	5.9	5.3	7.7	4.7	5.6
	Electric Conductivity (ms/cm²)	-	-	-	-	306	542	633	614	585	-	-	261	443	501	505	500
	pH	-	-	-	-	5.8	6.6	7.2	6.9	6.7	-	-	6.1	6.9	7.0	6.9	6.8
Metals	ORP	-	-	-	-	191	277	203	218	181	-	-	179	277	129	199	165
	Arsenic	0.01	-	-	-	-	-	-	-	<0.0025	-	-	-	-	-	-	<0.0025
	Boron	1.0	-	-	-	-	-	-	-	0.025	-	-	-	-	-	-	0.031
	Cadmium	0.005	-	-	-	-	-	-	-	<0.0005	-	-	-	-	-	-	<0.0005
	Total Chromium	0.05	-	-	-	-	-	-	-	<0.0015	-	-	-	-	-	-	0.0027
	Copper	2	-	-	-	-	-	-	-	<0.007	-	-	-	-	-	-	<0.007
	Total Iron	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lead	0.01	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	<0.005
	Nickel	0.02	-	-	-	-	-	-	-	<0.002	-	-	-	-	-	-	<0.002
	Selenium	0.01	-	-	-	-	-	-	-	<0.003	-	-	-	-	-	-	<0.003
	Vanadium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zinc	0.05	-	-	-	-	-	-	-	0.006	-	-	-	-	-	-	0.004
	Mercury	0.001	-	-	-	-	-	-	-	<0.001	-	-	-	-	-	-	<0.001
	Antimony	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Beryllium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Cobalt	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Manganese	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Molybdenum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Gold	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tellurium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Thorium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Titanium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Uranium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Major Ions	Sodium	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Potassium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Calcium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Magnesium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chloride	250	-	-	-	-	-	-	-	34	-	-	-	-	-	-	30
	Carbonate Alkalinity as CaCO3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bicarbonate Alkalinity as CaCO3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sulphate	250	-	-	-	-	-	-	-	91	-	-	-	-	-	-	31
	Nitrate as NO3	50	-	-	-	-	-	-	-	29	-	-	-	-	-	-	32
	Nitrite as NO2	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Cyanide	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ammoniacal Nitrogen as NH4	0.39	-	-	-	-	-	-	-	<0.03	-	-	-	-	-	-	0.05
	Total Alkalinity as CaCO3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Organic Carbon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Suspended Solids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Organic Nitrogen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Biological Oxygen Demand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chemical Oxygen Demand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Key	
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DWS	Drinking Water Standard
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888	Exceeds DWS/EQS
888	Exceeds Detection Limit
	Analysed by Jones Environmental Subcontractor
	Analysed by Affinity Water

Well Screen Geology	
UMH	Upper Mineral Horizon
LMH	Lower Mineral Horizon
CHALK	Chalk

Borehole Number		DWS/Freshwater EQS	FT101		FT102								FT103	
Screened Stratum			UMH		UMH								UMH	
Sampling Technique			Bailer		Bailer								Bailer	
Date			29/08/13	28/07/15	29/08/13	26/11/13	07/02/14	07/05/14	29/08/13	28/10/14	28/07/15	08/10/15	29/08/13	28/07/15
Field Readings	Bromide	-	0.070	0.043	<0.05	<0.05	<0.05	<0.05	0.033	0.033	0.042	0.041	<0.05	0.047
	Bromate	0.01	<0.1	<0.0005	<0.1	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.0005
	Dissolved Oxygen (ppm)	-	0.3	3.4	2.3	9.0	6.2	6.0	9.5		8.3	1.7	4.1	7.4
	Electric Conductivity (ms/cm²)	-	563	602	246	155	69	114	267		170	171	232	260
	pH	-	7.3	6.7	7.2	-	6.4	6.3	7.0		6.2	7.0	7.1	6.5
	ORP	-	-48	203	10	152	134	145	140		213	-10	31	197
Metals	Arsenic	0.01	<0.0009	-	<0.0009	<0.0009	<0.0009	<0.0009	-	-	-	<0.0025	<0.0009	-
	Boron	1.0	0.038	-	0.014	0.012	0.026	0.025	-	-	-	0.025	0.017	-
	Cadmium	0.005	0.00024	-	<0.00003	<0.00003	<0.00003	<0.00003	-	-	-	<0.0005	<0.00003	-
	Total Chromium	0.05	<0.0002	-	<0.0002	<0.0002	<0.0002	0.00039	-	-	-	<0.0015	<0.0002	-
	Copper	2	0.0035	-	<0.003	<0.003	<0.003	<0.003	-	-	-	<0.007	<0.003	-
	Total Iron	0.2	0.061	-	<0.0047	<0.0047	0.019	<0.0047	-	-	-	-	<0.0047	-
	Lead	0.01	0.0016	-	<0.0004	0.0015	0.0031	0.00087	-	-	-	<0.005	<0.0004	-
	Nickel	0.02	0.0038	-	0.002	0.001	0.00094	0.00052	-	-	-	<0.002	<0.0002	-
	Selenium	0.01	<0.0012	-	<0.0012	<0.0012	<0.0012	<0.0012	-	-	-	<0.003	<0.0012	-
	Vanadium	-	0.0014	-	<0.0006	0.0022	0.001	0.0033	-	-	-	-	<0.0006	-
	Zinc	0.05	0.0074	-	0.0022	0.0045	0.004	0.0043	-	-	-	<0.003	0.0043	-
	Mercury	0.001	<0.00001	-	<0.00001	-	-	-	-	-	-	<0.001	0.000026	-
	Antimony	0.005	<0.002	-	<0.002	-	-	-	-	-	-	-	<0.002	-
	Barium	-	0.045	-	0.018	-	-	-	-	-	-	-	0.017	-
	Beryllium	-	<0.0005	-	<0.0005	-	-	-	-	-	-	-	<0.0005	-
	Cobalt	0.1	0.0041	-	0.0015	-	-	-	-	-	-	-	<0.0001	-
	Manganese	0.05	1.1	-	0.41	-	-	-	-	-	-	-	0.15	-
	Molybdenum	-	0.0015	-	<0.0002	-	-	-	-	-	-	-	<0.0002	-
	Gold	-	<0.001	-	<0.001	-	-	-	-	-	-	-	<0.001	-
	Tellurium	-	<0.005	-	0.0057	-	-	-	-	-	-	-	<0.005	-
Thorium	-	<0.01	-	<0.01	-	-	-	-	-	-	-	<0.01	-	
Titanium	-	<0.005	-	<0.005	-	-	-	-	-	-	-	<0.005	-	
Uranium	-	<0.005	-	<0.005	-	-	-	-	-	-	-	<0.005	-	
Major Ions	Sodium	200	10	-	6.1	5.2	5.2	3.8	-	-	-	-	4.9	-
	Potassium	-	3.3	-	1.4	1.4	0.38	0.31	-	-	-	-	0.35	-
	Calcium	-	120	-	45	47	23	27	-	-	-	-	47	-
	Magnesium	-	7.6	-	3.7	3.1	1.0	1.2	-	-	-	-	2.7	-
	Chloride	250	9.1	-	6.4	5.1	5.2	6.5	-	-	-	5.1	9.2	-
	Carbonate Alkalinity as CaCO3	-	-	-	-	<1.0	<1.0	<1.0	-	-	-	-	-	-
	Bicarbonate Alkalinity as CaCO3	-	-	-	-	91	60	66	-	-	-	-	-	-
	Sulphate	250	93	-	44	53	13	15	-	-	-	48	45	-
	Nitrate as NO ₃	50	1.3	-	4.4	7.1	1.6	2.3	-	-	-	89	2.3	-
	Nitrite as NO ₂	0.5	0.023	-	0.043	<0.02	<0.02	<0.02	-	-	-	-	<0.02	-
	Total Cyanide	0.05	<0.01	-	<0.01	<0.01	<0.01	<0.01	-	-	-	-	<0.01	-
	Ammoniacal Nitrogen as NH ₄	0.39	0.044	-	0.12	<0.03	0.075	<0.03	-	-	-	0.05	<0.03	-
	Total Alkalinity as CaCO3	-	-	-	-	91	60	66	-	-	-	-	-	-
	Total Organic Carbon	-	<2.0	-	<2.0	3.3	3.6	5.6	-	-	-	-	<2.0	-
	Total Suspended Solids	-	45	-	110	170	77	55	-	-	-	-	84	-
	Organic Nitrogen	-	22	-	6.9	2.9	1.7	1.3	-	-	-	-	0.91	-
	Biological Oxygen Demand	-	<1.0	-	<1.0	-	-	-	-	-	-	-	<1.0	-
	Chemical Oxygen Demand	-	16	-	13	-	-	-	-	-	-	-	12	-

Key	
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888	Exceeds DWS/EQS
888	Exceeds Detection Limit
	Analysed by Jones Environmental Subcontractor
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Well Screen Geology	
UMH	Upper Mineral Horizon
LMH	Lower Mineral Horizon
CHALK	Chalk

		Borehole Number	DWS/Fresh water EQS	BHA					BHB									
		Screened Stratum		UMH					LMH									
		Date		27/11/13	06/02/14	12/05/14	29/07/15	09/10/15	27/11/13	06/02/14	13/05/14	05/06/14	02/07/14	29/10/14	23/01/15	01/05/15	17/07/15	07/10/15
	-	Bromide		0.100	0.210	<0.05	0.073	0.110	0.350	0.300	0.390	0.325	0.310	0.400	0.326	0.418	0.384	0.364
		Bromate	0.01	<0.1	<0.1	<0.1	<0.0005	<0.0005	<0.1	<0.1	<0.1	0.0072	0.0033	0.0133	0.0108	0.0162	0.0186	0.015
Field Readings		Dissolved Oxygen (ppm)	-	-	-	-	2.1	1.3	-	-	-	-	-	-	-	5.2	3.5	-
		Electric Conductivity (ms/cm ²)	-	-	-	-	366	429	-	-	-	-	-	-	-	547	581	-
		pH	-	-	-	-	6.3	6.2	-	-	-	-	-	-	-	6.8	6.8	6.9
		ORP	-	-	-	-	68	83	-	-	-	-	-	-	-	186	196	-
Metals		Dissolved Arsenic	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Dissolved Boron	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Dissolved Cadmium	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Total Dissolved Chromium	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Dissolved Copper	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Dissolved Lead	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Dissolved Mercury	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Dissolved Nickel	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Dissolved Selenium	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Dissolved Zinc	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Chloride	250	-	-	-	-	11	-	-	-	-	-	-	-	-	-	14
		Sulphate	250	-	-	-	-	130	-	-	-	-	-	-	-	-	-	110
		Nitrate as NO ₃	50	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-	39
		Ammoniacal Nitrogen as NH ₄	0.39	-	-	-	-	0.14	-	-	-	-	-	-	-	-	-	0.03

Key

All results are in milligram per litre (mg/l).

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DWS	Drinking Water Standard
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888	Exceeds DWS/EQS
888	Exceeds Detection Limit

	Analysed by Jones Environmental Subcontractor
	Analysed by Affinity Water

Well Screen Geology

UMH	Upper Mineral Horizon
LMH	Lower Mineral Horizon
CHALK	Chalk

	Borehole Number	DWS/Fresh water EQS	BHC					BHD				BHE				BHF			
	Screened Stratum		UMH					UMH				UMH				UMH			
	Date		27/11/13	06/02/14	13/05/14	28/07/15	07/10/15	06/02/14	13/05/14	28/07/15	09/10/15	04/02/14	12/05/14	29/07/15	12/10/15	05/02/14	12/05/14	28/07/15	08/10/15
Field Readings	Bromide		0.150	0.680	0.140	0.158	0.181	<0.05	0.280	Dry	Dry	<0.05	<0.05	0.073	0.081	0.055	0.066	0.057	0.058
	Bromate	0.01	<0.1	<0.1	<0.1	<0.0005	0.0006	<0.1	<0.1			<0.1	<0.1	<0.0005	<0.0005	<0.1	<0.1	<0.0005	<0.0005
	Dissolved Oxygen (ppm)	-	-	-	-	5.1	3.2	-	-			-	-	4.8	4.2	-	-	7.5	-
	Electric Conductivity (ms/cm²)	-	-	-	-	572	580	-	-			-	-	521	535	-	-	342	-
	pH	-	-	-	-	6.5	6.3	-	-			-	-	6.4	6.2	-	-	6.6	7.1
	ORP	-	-	-	-	196	199	-	-			-	-	252	120	-	-	236	-
Metals	Dissolved Arsenic	0.01	-	-	-	-	-	-	-			-	-	-	<0.0025	-	-	-	0.0027
	Dissolved Boron	1	-	-	-	-	-	-	-			-	-	-	0.062	-	-	-	0.025
	Dissolved Cadmium	0.005	-	-	-	-	-	-	-			-	-	-	0.0006	-	-	-	<0.0005
	Total Dissolved Chromium	0.05	-	-	-	-	-	-	-			-	-	-	0.0079	-	-	-	0.0038
	Dissolved Copper	2	-	-	-	-	-	-	-			-	-	-	<0.007	-	-	-	<0.007
	Dissolved Lead	0.01	-	-	-	-	-	-	-			-	-	-	<0.005	-	-	-	<0.005
	Dissolved Mercury	0.001	-	-	-	-	-	-	-			-	-	-	<0.001	-	-	-	<0.001
	Dissolved Nickel	0.02	-	-	-	-	-	-	-			-	-	-	0.003	-	-	-	<0.002
	Dissolved Selenium	0.01	-	-	-	-	-	-	-			-	-	-	<0.003	-	-	-	<0.003
	Dissolved Zinc	0.05	-	-	-	-	-	-	-			-	-	-	0.012	-	-	-	<0.003
	Chloride	250	-	-	-	-	11	-	-			-	-	-	8.9	-	-	-	15
	Sulphate	250	-	-	-	-	96	-	-			-	-	-	120	-	-	-	40
	Nitrate as NO ₃	50	-	-	-	-	18	-	-			-	-	-	5.3	-	-	-	27
	Ammoniacal Nitrogen as NH ₄	0.39	-	-	-	-	0.04	-	-			-	-	-	0.04	-	-	-	0.06

Key

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	Analysed by Affinity Water

Well Screen Geology

UMH	Upper Mineral Horizon
LMH	Lower Mineral Horizon
CHALK	Chalk

Borehole Number		DWS/Fresh water EOS	BHG								BHH				BHI		BHJ			BHK		
Screened Stratum	LMH								UMH				UMH		UMH			UMH				
Date	05/02/14		12/05/14	04/06/14	28/10/14	23/01/15	01/05/15	20/07/15	08/10/15	05/02/14	12/05/14	28/07/15	08/10/15	12/05/14	29/07/15	12/05/14	29/07/15	09/10/15	12/05/14	28/07/15	08/10/15	
	Bromide		<0.05	0.110	0.118	0.088	0.064	0.139	0.150	0.132	<0.05	<0.05	0.055	0.079	Dry	Dry	0.150	0.126	<0.005	0.091	0.105	0.119
	Bromate	0.01	<0.1	<0.1	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0024	<0.1	<0.1	<0.0005	<0.0005			<0.1	<0.0005	<0.0005	<0.1	<0.0005	<0.0005
Field Readings	Dissolved Oxygen (ppm)	-	-	-	-	-	-	8.1	6.8	-	-	-	5.7	-			-	4.9	4.7	-	5.6	-
	Electric Conductivity (ms/cm²)	-	-	-	-	-	-	396	479	-	-	-	378	-			-	603	637	-	256	-
	pH	-	-	-	-	-	-	7.0	6.8	7.3	-	-	6.4	6.8			-	6.1	6.0	-	6.1	6.7
	ORP	-	-	-	-	-	-	200	242	-	-	-	198	-			-	133	136	-	223	-
Metals	Dissolved Arsenic	0.01	-	-	-	-	-	-	-	<0.0025	-	-	-	-			-	-	-	-	-	<0.0025
	Dissolved Boron	1	-	-	-	-	-	-	-	0.034	-	-	-	-			-	-	-	-	-	0.048
	Dissolved Cadmium	0.005	-	-	-	-	-	-	-	<0.0005	-	-	-	-			-	-	-	-	-	<0.0005
	Total Dissolved Chromium	0.05	-	-	-	-	-	-	-	0.0024	-	-	-	-			-	-	-	-	-	<0.0015
	Dissolved Copper	2	-	-	-	-	-	-	-	<0.007	-	-	-	-			-	-	-	-	-	<0.007
	Dissolved Lead	0.01	-	-	-	-	-	-	-	<0.005	-	-	-	-			-	-	-	-	-	<0.005
	Dissolved Mercury	0.001	-	-	-	-	-	-	-	<0.001	-	-	-	-			-	-	-	-	-	<0.001
	Dissolved Nickel	0.02	-	-	-	-	-	-	-	<0.002	-	-	-	-			-	-	-	-	-	<0.002
	Dissolved Selenium	0.01	-	-	-	-	-	-	-	<0.003	-	-	-	-			-	-	-	-	-	<0.003
Dissolved Zinc	0.05	-	-	-	-	-	-	-	<0.003	-	-	-	-	-			-	-	-	-	0.011	
	Chloride	250	-	-	-	-	-	-	-	26	-	-	-	16			-	-	10	-	-	18
	Sulphate	250	-	-	-	-	-	-	-	38	-	-	-	55			-	-	140	-	-	49
	Nitrate as NO ₃	50	-	-	-	-	-	-	-	31	-	-	-	33			-	-	3.8	-	-	7.1
	Ammoniacal Nitrogen as NH ₄	0.39	-	-	-	-	-	-	-	0.06	-	-	-	0.05			-	-	0.04	-	-	0.04

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