

		KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18			
		11/07/2007	10/09/2007	13/03/2008	04/07/2008	03/10/2008	01/02/2009	26/05/2009	04/07/2009	07/10/2009	09/02/2010	26/05/2010	05/07/2010	05/10/2010	09/02/2011	22/03/2011	25/05/2011	21/06/2011	12/07/2011	17/08/2011	22/10/2011	20/11/2011	17/12/2011	12/01/2012	11/02/2012	19/03/2012	07/04/2012	
Discharge (Flow)	L/s	3.5	1.5	2																								
Depth to Water (mbTOC)	m																											
Geodetic Groundwater Level	masl																											
Well Depth	mbTOC																											
Total Suspended Solids	mg/L			<5	4	2	6	7	2	<1	1	23	<1	<1	33	42	12	<1	<1	<1	<1	<1.0	11.6	2	18	<1.0	6.1	
pH (field)	pH units	7.23	7.05	7.45	7.07	7.13		6.59	6.84	6.58	8.31	7.31	7.52	7.07	8.6	7.97	7.23	7.78	7.87	8.12	6.28	7.46	7.25	7.39	7.34	7.61	7.88	
pH (lab)	pH units	6.86	7.19	7.46	7.62	6.8	7.42	6.9	7.7	7.2	8	7.6	7.32	7.49	7.61	7.74	7.2	7.64	7.12	7.47	7.33	7.83	7.58	7.68	7.99	8.04	7.85	
Specific Conductance (field)	µS/cm																											
Specific Conductance (lab)	µS/cm	252	265	299	276	214	303	110	260	245	309	108	245	290	301	304	99	263	206	231	292	292	300	306	308	311	308	
Temperature (field)	C	1.9	2.3	0.4	2	6		0.5	4	2.9	0.5	1.6	1.8	1.6	0	1	0.9	2.4	3.2	2.2	2.3	1.9	0.5	0.2	1.7	1.5	1.7	
Dissolved Oxygen (field)	mg/L																					11.12	11.6	10.3	13.25	11.61		
Dissolved Oxygen (field)	%																					81.5	80.4	71	97	83		
ORP (field)	mV																					119.9			124.7	36.5	189.7	
Hardness (from total)	mg/L							52.9	131	116	155	48.7	107	140	153	140	44.4	115	78.2	106	111	140	157	144	144	147	156	
Hardness (from dissolved)	mg/L			149	130	105	174	45.8	118	104	166	48.5	110	145	151	146	40.5	111	91	100	132	141	150	150	153	151	148	
Alkalinity, total	mg/L																											
Chloride	mg/L																											
Fluoride	mg/L																											
Sulphate, dissolved	mg/L								40	39	24	39	41	39	41	27	53	44	43	45.6	42.3	39.1	38.5	42.3	41.9	35.4		
Ammonia (N)	mg/L																											
Nitrite (N)	mg/L																											
Nitrate (N)	mg/L																											
Total Kjeldahl Nitrogen	mg/L																											
Dissolved Organic Carbon	mg/L																											
Aluminum (Al), total	mg/L	0.012	0.034	0.006	0.041	0.009	0.009	0.363	0.534	<0.01	<0.01	0.24	0.047	<0.01	0.16	0.332	0.314	0.014	<0.01	0.05	0.005	0.007	0.06	<0.01	0.02	0.0024	<0.01	
Antimony (Sb), total	mg/L	0.0016	0.0019	0.0023	0.0022	0.0016	0.0022	0.0018	0.0028	0.0018	0.0026	0.0015	0.002	0.002	0.0025	0.0022	0.0014	0.0014	0.0016	0.0015	0.0015	0.0019	0.0022	0.0019	0.0021	0.00256	0.0025	
Arsenic (As), total	mg/L	0.0262	0.0601	0.0615	0.0471	0.033	0.0622	0.0145	0.0565	0.0311	0.0676	0.0217	0.0369	0.0525	0.0642	0.0629	0.0159	0.0283	0.0184	0.0246	0.0398	0.0543	0.0854	0.0579	0.0596	0.0608	0.0594	
Barium (Ba), total	mg/L	0.004	0.004	0.002	0.004	0.003	0.002	0.008	0.014	0.003	0.002	0.006	0.003	0.002	0.005	0.008	0.007	0.002	0.003	0.002	0.002	0.004	0.002	0.002	0.002	0.00136	0.001	
Beryllium (Be), total	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0004	<0.0004	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0002	
Bismuth (Bi), total	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00005	<0.0001	
Boron (B), total	mg/L	0.003	<0.002	0.002	0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium (Cd), total	mg/L	0.339	0.196	0.0389	0.171	0.234	0.0516	0.168	0.278	0.265	0.052	0.215	0.212	0.09	0.0591	0.0519	0.166	0.403	0.309	0.183	0.16	0.131	0.11	0.0631	0.0486	0.0441	0.0426	
Calcium (Ca), total	mg/L	32	34.2	42.4	41.3	29.3	56	14.9	38	33	47	13	31	41	46	42	12	33	21	30	31.6	41.1	46	43	43	44.1	47	
Chromium (Cr), total	mg/L	<0.0005	<0.0005	<0.0005	0.0007	<0.0004	<0.0004	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0002	
Cobalt (Co), total	mg/L	0.0002	0.0003	0.0001	0.0003	0.00025	0.00016	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.000071	<0.0005	
Copper (Cu), total	mg/L	0.011	0.005	<0.001	0.005	0.006	<0.001	0.0147	0.012	0.006	0.002	0.019	0.005	<0.001	0.001	0.004	0.015	0.01	0.01	0.005	0.003	0.0017	0.003	0.001	0.001	<0.0005	<0.001	
Iron (Fe), total	mg/L	0.1	0.3	0.1	0.18	0.14	0.12	0.457	1.1	0.105	0.129	0.499	0.188	0.095	0.4	0.762	0.796	0.12	0.077	0.13	0.112	0.125	0.45	0.11	0.16	0.051	0.08	
Lead (Pb), total	mg/L	0.0236	0.0344	0.0018	0.0123	0.0284	0.0031	0.044	0.0525	0.0194	0.0023	0.0477	0.0228	0.0034	0.0077	0.0187	0.0443	0.0249	0.0215	0.0152	0.0098	0.0078	0.0261	0.0069	0.0044	0.000863	0.0013	
Lithium (Li), total	mg/L	0.01	0.012	0.02	0.013	0.008	0.012	<0.005	<0.01	<0.01	0.012	<0.01	<0.01	0.012	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	0.008	0.011	0.01	0.01	0.01	0.0129	0.01	
Magnesium (Mg), total	mg/L	7.8	6.9	8.1	7.9	6.84	10.4	3.85	9	8	9	4	7	9	9	3	8	6	7	7.68	9.14	10	9	9	8.83	9		
Manganese (Mn), total	mg/L	1.84	1.54	0.46	1.49	1.46	0.678	0.604	2.23	1.55	0.734	1.28	1.39	0.78	0.546	0.533	0.599	2.04	1.49	1.35	1.55	1.24	1.55	0.711	0.513	0.304	0.359	
Mercury (Hg), total	mg/L						0.00007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00005	<0.00005	<0.0002	<0.0002	<0.0001	<0.0002		
Molybdenum (Mo), total	mg/L	<0.001	<0.001	0.001	<0.001	0.00035	0.00078	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00083	<0.001	
Nickel (Ni), total	mg/L	0.0038	0.0044	0.002	0.0046	0.003	0.002	0.002	0.004	0.003	0.003	0.003	0.004	0.002	0.002	0.002	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.00148	0.002	
Phosphorus (P), total	mg/L					0.052	0.11	0.042													0.04	0.07	0.08	0.16	0.09	0.1	0.089	0.1
Potassium (K), total	mg/L	<0.4	<0.4	<0.4	<0.4	0.2	0.2	0.16	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.21	0.226	<1	<1	<1	0.21	<1	
Selenium																												



		KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18	KV-18		
		08/06/2014	04/07/2014	24/09/2014	20/09/2014	24/10/2014	19/11/2014	18/12/2014	15/01/2015	17/02/2015	10/03/2015	09/04/2015	26/05/2015	16/06/2015	13/07/2015	12/08/2015	11/09/2015	17/09/2015	19/09/2015	18/10/2015	17/11/2015	18/12/2015	05/01/2016	03/02/2016	05/03/2016	07/04/2016	05/05/2016
Discharge (Flow)	l/s	2.8	2.5	5.5	3.163	3	2.4	1.8		0.9	0.9	0.9		1.7		2.2	5.6	1.4	2.5	2.8	1.8	2.1	2	2.4	1.3	1.1	1.3
Depth to Water (mbTOC)	m																										
Geodetic Groundwater Level	masl																										
Well Depth	mbTOC																										
Total Suspended Solids	mg/L		1.6	<1.0	<1.0	2.4	<1.0	<1.0	<1.0	<1.0	2.2	3.6	<1.0	<1.0	<1.0	1.0	<1.0			<1.0	4.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
pH (field)	pH units		7.12	6.76	6.7	7.06	6.84	6.73	6.46	6.48	6.55	6.86	7.01	7.73	7.18	6.88	6.2			7.37	6.83	7.7	8.5	<1.0	7.83	7.54	7.17
pH (lab)	pH units		7.45	7.31	7.45	7.55	7.06	7.77	7.32	7.40	7.89	7.27	6.76	7.40	7.53	7.50	7.02			7.29	7.27	7.27	7.21	7.50	7.25	7.25	7.51
Specific Conductance (field)	µS/cm		308.4	215.1	297.8	188.8	299.1	313.2	322.8	322.1	335.1	348	102.5	351	235	199.9				250.5	310.6	309.8	253.4	263.9	283.1	289.7	278.8
Specific Conductance (lab)	µS/cm		267	243	300	286	328	313	330	348	325	292	99.6	342	314	290	209			246	324	282	312	312	327	329	322
Temperature (field)	C		4.1	3.4	2.6	2	1.6	2.3	1.7	2.4	1.5	1.9	3.5	4.3	2.7	2.6				2.1	0.5	1.6	1.1	0.9	2.1	2.3	4.2
Dissolved Oxygen (field)	mg/L		12.68	10.86	8.93	9.52	10.73	11.96	10.78	10.2	11.98	14.6	8.5	9.89	11.24	10.59	8.85			8.54	10.49	8.8	12.1	13.35	11	12.38	11.6
Dissolved Oxygen (field)	%		101.9	85.1	69.3	72.6	81.9	90	84.7	77	92.3	111.3	72	77.1	85.6	82.6	68.5			62	78.3	75	102	98.9	95	105.1	103
ORP (field)	mV		358.2	129.9	239.6	310.4	258	229.3	151.3	192.6	286.3	236.2	457	189	143.9	116				119.1	229.6	173.4	305.2	60.1	113.4	158.2	340.5
Hardness (from total)	mg/L		156	113	147	142	152	161	167	165	174	176	49.1	153	161	150	127			132	167	167	171	178	173	172	175
Hardness (from dissolved)	mg/L		154	116	146	145	150	172	156	167	185	181	47.5	158	159	157	127			136	169	168	175	177	173	171	175
Alkalinity, total	mg/L		103	75.1	95.4	101	113	123	127	132	130	136	28.7	117	124	102	81.8			91.9	121	122	133	121	127	142	126
Chloride	mg/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Fluoride	mg/L		0.343	0.255	0.337	0.340	0.405	0.478	0.477	0.488	0.482	0.476	0.123	0.385	0.448	0.362	0.289			0.326	0.419	0.451	0.449	0.473	0.530	0.540	0.557
Sulphate, dissolved	mg/L		54.4	44.0	50.9	48.9	47.0	45.8	42.4	41.4	41.6	40.7	19.4	50.7	49.4	48.0	40.6			43.3	49.1	46.5	45.1	43.5	42.1	40.8	43.2
Ammonia (N)	mg/L		<0.0050	<0.0050	0.0056	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050			<0.0050	0.0059	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Nitrite (N)	mg/L		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Nitrate (N)	mg/L		0.0255	0.0377	0.0351	0.0346	0.0478	0.0633	0.0701	0.0686	0.0914	0.0294	0.0275	0.0441	0.0635	0.0639	0.0531			0.0554	0.0721	0.0817	0.0863	0.0832	0.0711	0.0638	0.0673
Total Kjeldahl Nitrogen	mg/L		<0.050	0.108	0.078	<0.050	<0.050	<0.050	<0.050	<0.050	0.058	0.255	0.197	0.104	<0.050	0.070	0.061			<0.050	<0.050	<0.050	<0.050	<0.050	0.057	<0.050	<0.050
Dissolved Organic Carbon	mg/L																										
Aluminum (Al), total	mg/L		<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.031	0.067	0.161	<0.030	0.0060	<0.030	<0.030			<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Antimony (Sb), total	mg/L		0.0018	0.0018	0.0019	0.0017	0.0017	0.0020	0.0021	0.0023	0.0023	0.0025	0.0013	0.0018	0.00200	0.0019	0.0019			0.0015	0.0016	0.0020	0.0019	0.0021	0.0022	0.0024	0.0025
Arsenic (As), total	mg/L		0.0525	0.0301	0.0457	0.0456	0.0578	0.0661	0.0735	0.0769	0.0862	0.113	0.0135	0.0571	0.0657	0.0472	0.0374			0.0435	0.0613	0.0691	0.0706	0.0769	0.0781	0.0784	0.0801
Barium (Ba), total	mg/L		0.00266	0.00348	0.00300	0.00240	0.00197	0.00194	0.00166	0.00156	0.00207	0.00300	0.00615	0.00237	0.00226	0.00345	0.00420			0.00337	0.00223	0.00198	0.00189	0.00176	0.00160	0.00141	0.00160
Beryllium (Be), total	mg/L		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth (Bi), total	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Boron (B), total	mg/L		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cadmium (Cd), total	mg/L		0.195	0.105	0.155	0.142	0.128	0.0800	0.0545	0.0397	0.0390	0.0382	0.0232	0.0863	0.105	0.0880	0.0834			0.0883	0.101	0.0805	0.0663	0.0581	0.0416	0.0347	0.0344
Calcium (Ca), total	mg/L		46.4	32.9	43.8	42.2	45.3	48.5	50.3	50.2	53.2	54.3	14.1	46.1	48.7	44.7	37.6			39.5	51.0	50.6	52.3	54.3	53.1	52.7	53.8
Chromium (Cr), total	mg/L		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cobalt (Co), total	mg/L		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Copper (Cu), total	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.00170	<0.0050	<0.0050			<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Iron (Fe), total	mg/L		0.117	0.069	0.114	0.096	0.108	0.100	0.085	0.078	0.143	0.444	0.198	0.102	0.101	0.093	0.099			0.084	0.105	0.103	0.093	0.101	0.089	0.066	0.087
Lead (Pb), total	mg/L		0.0108	0.00737	0.0106	0.00826	0.00708	0.00516	0.00206	0.00152	0.00230	0.00838	0.00778	0.00439	0.00564	0.00459	0.00568			0.00555	0.00544	0.00430	0.00324	0.00296	0.00172	0.00114	0.00135
Lithium (Li), total	mg/L		0.0083	0.0071	0.0102	0.0083	0.0103	0.0117	0.0121	0.0120	0.0132	0.0134	<0.0050	0.0087	0.0118	0.0098	0.0083			0.0084	0.0089	0.0119	0.0116	0.0132	0.0124	0.0132	0.0134
Magnesium (Mg), total	mg/L		9.70	7.41	9.15	8.80	9.53	9.55	9.91	9.63	9.93	9.94	3.38	9.29	9.66	9.20	7.94			8.19	9.75	9.81	9.75	10.2	9.73	9.90	9.87
Manganese (Mn), total	mg/L		1.59	0.896	1.48	1.37	1.36	0.924	0.643	0.483	0.511	0.621	0.18														



		KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19		
		22/10/2011	20/11/2011	14/12/2011	12/01/2012	11/02/2012	12/03/2012	07/04/2012	04/05/2012	04/06/2012	06/07/2012	05/08/2012	02/09/2012	16/10/2012	19/11/2012	12/12/2012	16/01/2013	14/02/2013	12/03/2013	06/04/2013	09/05/2013	02/06/2013	11/07/2013	06/08/2013	02/09/2013	03/10/2013	01/11/2013
Discharge (Flow)	L/s																										
Depth to Water (mbTOC)	m																										
Geodetic Groundwater Level	masl																										
Well Depth	mbTOC																										
Total Suspended Solids	mg/L	10	24.8	8.7	10.3	26.8	15.5	7.4	6.3	3.2	2.7	3.1	3	4.9	42.9	21.3	9.7	17.2	9.7	15.1	23.6	7.0	13.6	3.8	3.4	3.0	7.2
pH (field)	pH units	7.05	7.76	7.78	7.5	7.69	7.8	8.28	8.03	7.03	7.81	7.54	6.82	7.65	7.93	7.54	6.74	8.04	8.07	8.05	7.78	7.31	7.78	7.47	7.62	7.99	7.61
pH (lab)	pH units	7.63	7.93	7.94	8.02	8.13	8.23	8.06	8.08	8.02	8.2	8.1	8.21	8.16	8.07	8.19	8.01	8.08	8.21	8.15	8.00	8.09	7.96	7.87	7.84	8.02	8.04
Specific Conductance (field)	µS/cm	441	523	493	478.2	495.1	495.6	506	476.8	499	513.6	502.9	557.4	520.9	557.4	429	465	268.8	488.2	389.3	455.3	432	506.7	447.2	498.7	516.3	
Specific Conductance (lab)	µS/cm	515	517	508	497	486	489	484	709	452	462	453	471	472	468	466	475	472	471	468	452	391	449	445	429	388	411
Temperature (field)	C	1.9	0.4	0.1	0.8	0.8	0.2	1	1.4	2.1	2.5	2	2.7	1.4	0	0.93	0.52	0.8	0.5	0.4	1.3	3.1	2.1	2	1.6	1.2	
Dissolved Oxygen (field)	mg/L	13.26	10.94	10.1	13.4	12.64	14.45	13.64	13.8	13.57	12.6	13.32	12.51	5.9	12.95	13.32	12.86	10.25	12.5	13.18	9.54	15.12	13.38	11.8	13.72	14.15	
Dissolved Oxygen (field)	%	93	75.6	71	93.9	86.9	102.3	97.10	100	100	92	98.1	89.1	90	91.2	92.7	94.2	73.3	91	95.8	73.5	113.8	100.1	88.7	102.4	104.6	
ORP (field)	mV	104			82	54.7	155.5	116.80	314.8	113.9	285.9	130.6	42.1	385.5			156.6	55.2	160.6	117.1	67.4	166.4	186.1	169.2	173.3	194.3	
Hardness (from total)	mg/L	211	266	272	242	238	235	233	248	228	229	219	222	216	223	251	243	234	251	202	212	240	245	251	253	255	
Hardness (from dissolved)	mg/L	254	269	269	245	240	251	230	244	222	232	231	240	227	235	238	248	237	233	256	250	210	243	247	243	258	250
Alkalinity, total	mg/L																										
Chloride	mg/L																										
Fluoride	mg/L																										
Sulphate, dissolved	mg/L	152	166	146	150	136	133	119	124		130	119	123	125	129	124	119	117	128		112		112	114	114	113	115
Ammonia (N)	mg/L																										
Nitrite (N)	mg/L																										
Nitrate (N)	mg/L																										
Total Kjeldahl Nitrogen	mg/L																										
Dissolved Organic Carbon	mg/L																										
Aluminum (Al), total	mg/L	0.229	0.295	0.15	0.16	0.31	0.27	0.15	0.113	0.127	0.092	0.089	0.077	0.093	0.567	0.154	0.201	0.198	0.113		0.273	0.094	0.265	0.080	0.087	0.093	0.169
Antimony (Sb), total	mg/L	0.0036	0.0051	0.0036	0.0033	0.0041	0.0053	0.0037	0.00337	0.00329	0.00326	0.0031	0.00309	0.00375	0.00953	0.00444	0.00656	0.00534	0.00379		0.0078	0.0033	0.0056	0.0038	0.0038	0.0035	0.0041
Arsenic (As), total	mg/L	0.0417	0.0625	0.0294	0.0302	0.0575	0.0505	0.0298	0.024	0.0225	0.0166	0.0189	0.017	0.0206	0.1	0.0393	0.044	0.0422	0.0277		0.0712	0.0150	0.0547	0.0204	0.0200	0.0211	0.0386
Barium (Ba), total	mg/L	0.007	0.009	0.007	0.007	0.008	0.011	0.008	0.00644	0.0071	0.0061	0.0058	0.006	0.0066	0.0124	0.0081	0.0123	0.013	0.0079		0.0154	0.00753	0.00970	0.00652	0.00737	0.00680	0.00815
Beryllium (Be), total	mg/L	0.0001	0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000044	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bismuth (Bi), total	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Boron (B), total	mg/L	<0.05	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.050	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cadmium (Cd), total	mg/L	0.0161	0.0196	0.0095	0.0074	0.0096	0.0122	0.0059	0.00438	0.0146	0.00937	0.0117	0.00717	0.00829	0.014	0.00599	0.0109	0.0113	0.00408		0.0142	0.0254	0.00686	0.00376	0.00375	0.00347	0.00429
Calcium (Ca), total	mg/L	63	83.7	86	76	75	74	74	79.1	71.8	71.7	68.7	70.3	67.2	70.2	79.4	78	77.4	74.3	80.3	65.1	66.2	77.0	79.0	80.4	81.4	81.5
Chromium (Cr), total	mg/L	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	0.00022	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cobalt (Co), total	mg/L	0.0045	0.0064	0.0048	0.0044	0.0043	0.0071	0.0035	0.00305	0.00261	0.00231	0.00249	0.00244	0.00247	0.00465	0.00357	0.00502	0.00609	0.00295		0.0087	0.0024	0.0031	0.0025	0.0027	0.0027	0.0032
Copper (Cu), total	mg/L	0.0045	0.0057	0.003	0.003	0.006	0.006	0.003	0.00179	0.0023	0.0014	0.0018	0.0031	0.0017	0.0112	0.0025	0.0031	0.0033	0.0018		0.0060	<0.0050	0.0099	<0.0050	<0.0050	<0.0050	<0.0050
Iron (Fe), total	mg/L	3.9	6.72	3.24	2.94	6.32	4.98	2.81	1.98	1.58	1.18	1.28	1.13	1.38	7.27	2.87	3.4	3.3	1.93	2.78	4.76	1.33	3.68	1.23	1.26	1.47	2.56
Lead (Pb), total	mg/L	0.0054	0.0071	0.0025	0.0018	0.0062	0.0057	0.002	0.00134	0.00959	0.00215	0.00138	0.00301	0.00444	0.177	0.00327	0.00369	0.0031	0.00107		0.00610	0.00771	0.0401	0.00113	0.00249	0.00074	0.00198
Lithium (Li), total	mg/L	0.012	0.015	0.01	0.01	0.01	0.01	0.01	0.0136	0.012	0.012	0.012	0.012	0.013	0.013	0.014	0.014	0.013	0.013	0.015	0.0116	0.0123	0.0137	0.0119	0.0129	0.0139	
Magnesium (Mg), total	mg/L	13.1	13.8	14	12	12	12	12	12.3	11.9	12.2	11.5	11.3	11.7	12.9	12.3	12.2	11.8	12.3		9.51	11.4	11.7	11.7	12.2	12.1	12.6
Manganese (Mn), total	mg/L	3.47	5.12	4.01	3.1	3.02	4.62	2.49	1.84	1.76	1.53	1.54	1.73	1.61	2.99	2.34	3.23	3.85	1.99	2.34	4.55	2.25	1.70	1.43	1.50	1.50	1.70
Mercury (Hg), total	mg/L	<0.00005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.000010	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo), total	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000276	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010		0.00051	<0.00050	0.00056	0.00050	<0.00050	<0.00050	0.00051
Nickel (Ni), total	mg/L	0.025	0.033	0.027	0.025	0.021	0.031	0.021	0.018	0.0166	0.0156	0.0171	0.0166	0.0166	0.0246	0.0207	0.0267	0.0313	0.017		0.0340	0.0175	0.0160	0.0147	0.0164	0.0155	0.0179
Phosphorus (P), total	mg/L	0.1	0.14	0.06	0.06	0.13	0.1	0.06	0.0574	<0.040	<0.040	<0.040	<0.040	0.041	0.192	0.072	0.078	0.077	0.046		0.119	<0.050	0.111	<0.050	<0.050	<0.050	0.078
Potassium (K), total	mg/L	0.27	0.317	<1	<1	<1	<1	<1	0.285	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		0.21	0.36	0.31	0.27	0.31	0.44	0.31
Selenium (Se), total	mg/L	0.0007	0.0006	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	0.000383	0.00216	0.00175	0.00168	<0.00080	0.00094	<0.00080	<0.00080	<0.00080	<0.00080	<0.00080		<0.0010	0.0037	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si), total	mg/L	2.9	4.1	4	4	4	4	3	3.71	3.8	3.5	3.7	3.5	3.3	4.2	4	4.1	4.1	3.5	3.73	3.30	3.14	3.90	3.50	3.77	3.73	3.76
Silver (Ag), total	mg/L	0.00015	0.00026	<0.0001	<0.0001	0.0002	0.0003	<0.0001	0.000028	0.000																	



		KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-19	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20		
		18/12/2015	05/01/2016	03/02/2016	05/03/2016	07/04/2016	04/05/2016	05/05/2016	15/06/2016	15/07/2016	08/08/2016	24/09/2016	20/10/2016	11/11/2016	01/12/2016	12/07/2007	10/09/2007	14/03/2008	15/05/2008	04/07/2008	03/10/2008	01/02/2009	26/05/2009	04/07/2009	08/10/2009	09/02/2010	26/05/2010
Discharge (Flow)	L/s		4	2.8	2.7	2.1																					
Depth to Water (mbTOC)	m																										
Geodetic Groundwater Level	masl																										
Well Depth	mbTOC																										
Total Suspended Solids	mg/L	14.2	7.4	9.8	8.0	8.6	3.4		11.6	8.6	3.6	5.6	8.6	8.7	13.5		8	13	9	15	5	17	7	11	3	5	
pH (field)	pH units	8.19	7.6	7.26	8.17	8.03	7.98	7.73	7.74	7.61	7.63	7.81	7.49	7.53	7.18	7.7	7.49	7.49	7.24	7.2	7.28		6.71	7.42	7.41	7.92	7.85
pH (lab)	pH units	7.88	7.82	7.84	7.06	7.94	8.05		7.85	7.98	7.89	7.99	8.14	8.20	8.13	7.05	7.73	7.94	7.3	7.98	7.36	7.67	6.8	7.6	7.8	8.2	8
Specific Conductance (field)	µS/cm	506.8	390	306.1	426.1	422.7	437.2	346.5	464.4	441.4	447.6	424.3	482	509.2	417.7												
Specific Conductance (lab)	µS/cm	462	472	470	474	438	480		445	457	452	464	484	481	483	773	927	1390	947	892	775	1340	830	920	896	1360	990
Temperature (field)	C	0.7	0.2	0.1	1.1	2.1	1.7	1.5	1.9	2.5	1.9	1.8	1.6	1.8	0.7	1.4	1.8	0.1	1	2	2		1.5	3	1.3	1	2.7
Dissolved Oxygen (field)	mg/L	10.8	6.2	13.54	10.42	11.87	11.64	11.7	11.5		11.2	11.31	11.3	10.57	10.33												
Dissolved Oxygen (field)	%	89	49	97.1	86.3	98.9	96.6	96	95		93	81.7	94	76	84.5												
ORP (field)	mV	150.1	292	85.9	122.3	147.3	129.3	313.6	267.8	94.6	406.1	18.2	283.4	36.2	35.8												
Hardness (from total)	mg/L	276	273	275	262	255	265		246	250	246	241	272	272	275								387	542	485	819	565
Hardness (from dissolved)	mg/L	276	285	285	263	255	266		250	250	246	248	267	282	279			873	493	480	426	844	362	458	435	802	546
Alkalinity, total	mg/L	122	127	122	128	143	136		126	125	120	128	128	128	126												
Chloride	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50												
Fluoride	mg/L	0.710	0.697	0.725	0.771	0.771	0.756		0.709	0.717	0.670	0.661	0.675	0.685	0.698												
Sulphate, dissolved	mg/L	149	145	138	130	124	119		117	115	109	113	134	138	134									340	620	440	
Ammonia (N)	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0051		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050												
Nitrite (N)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010												
Nitrate (N)	mg/L	0.0101	0.0089	0.0069	0.0081	0.0065	0.0056		0.0185	0.0190	0.0240	0.0225	0.0158	0.0114	0.0101												
Total Kjeldahl Nitrogen	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050												
Dissolved Organic Carbon	mg/L																										
Aluminum (Al), total	mg/L	0.211	0.166	0.215	0.257	0.146	0.137		0.260	0.121	0.101	0.108	0.163	0.168	0.169	0.189	0.121	0.073	0.062	0.186	0.006	0.17	0.133	0.149	0.014	0.072	
Antimony (Sb), total	mg/L	0.0050	0.0044	0.0048	0.0052	0.0046	0.0044		0.0050	0.0043	0.0048	0.0045	0.0049	0.0049	0.0047	0.0023	0.0024	0.0018	0.0012	0.002	0.0024	0.0018	0.0012	0.0028	0.0022	0.0018	0.0016
Arsenic (As), total	mg/L	0.0479	0.0439	0.0491	0.0517	0.0390	0.0341		0.0630	0.0318	0.0296	0.0325	0.0455	0.0455	0.0462	0.0208	0.0161	0.0108	0.0146	0.0112	0.0243	0.0078	0.0228	0.0174	0.0195	0.0118	0.0131
Barium (Ba), total	mg/L	0.00980	0.00815	0.00895	0.0120	0.00819	0.00851		0.00924	0.00849	0.00849	0.00824	0.00911	0.00934	0.00942	0.004	0.004	0.003	0.006	0.003	0.003	0.003	0.007	0.004	0.003	0.003	0.003
Beryllium (Be), total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00006	<0.00004	0.0001	<0.0002	<0.0002	<0.0002	<0.0002
Bismuth (Bi), total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Boron (B), total	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10		<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.005	<0.002	0.004	0.003	0.002	<0.005	<0.005	<0.05	<0.05	<0.1	<0.1	<0.1
Cadmium (Cd), total	mg/L	0.0124	0.00881	0.00894	0.0116	0.00582	0.00479		0.0159	0.0114	0.0171	0.0164	0.0136	0.0107	0.00906	0.174	0.13	0.0139	0.23	0.0916	0.144	0.0319	0.553	0.155	0.126	0.0168	0.125
Calcium (Ca), total	mg/L	87.8	87.6	87.5	84.3	81.6	85.5		78.6	80.1	78.4	76.6	86.9	87.6	86.9	119	148	270	165	162	139	300	129	179	160	281	189
Chromium (Cr), total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0006	0.0005	0.0006	<0.0005	0.0007	0.0006	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Cobalt (Co), total	mg/L	0.0053	0.0045	0.0050	0.0055	0.0030	0.0031		0.0033	0.0028	0.0029	0.0028	0.0039	0.0043	0.0044	0.0074	0.0094	0.0045	0.0067	0.0065	0.00819	0.00528	0.0076	0.0075	0.0098	0.0045	0.006
Copper (Cu), total	mg/L	<0.0050	0.0107	<0.0050	0.0069	<0.0050	<0.0050		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.044	0.002	0.002	0.066	0.023	0.036	<0.001	0.145	0.04	0.033	0.002	0.013
Iron (Fe), total	mg/L	4.01	3.20	4.19	4.47	2.57	2.42		3.93	1.79	1.50	1.64	2.83	3.29	3.35	3.8	2.3	0.7	5.6	1.4	4.24	0.52	8.6	2.89	3.85	0.953	1.71
Lead (Pb), total	mg/L	0.00572	0.00549	0.00525	0.00498	0.00221	0.00171		0.00450	0.00245	0.00306	0.00327	0.00509	0.00366	0.00449	0.0172	0.0149	0.0013	0.0044	0.0133	0.0249	0.0011	0.0084	0.0175	0.0156	0.0014	0.0043
Lithium (Li), total	mg/L	0.0144	0.0138	0.0147	0.0136	0.0140	0.0140		0.0135	0.0138	0.0141	0.0133	0.0143	0.0145	0.0144	0.026	0.028	0.055	0.024	0.026	0.025	0.033	0.017	0.024	0.023	0.032	0.025
Magnesium (Mg), total	mg/L	13.8	13.2	13.8	12.6	12.4	12.6		12.2	12.2	12.2	12.1	13.1	13.3	13.7	15.1	16.2	25	15.6	16.8	18	30.8	16.1	23	21	28	22
Manganese (Mn), total	mg/L	3.51	3.30	3.45	3.51	1.99	1.97		2.12	1.75	1.85	1.82	3.11	3.07	3.10	10.4	11.6	3.85	9.99	8.14		7.58	15.3	10.6	14.5	5.11	7.92
Mercury (Hg), total	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050							<0.00002	<0.0002	<0.0002	<0.0002	<0.0002	
Molybdenum (Mo), total	mg/L	<0.00050	0.00050	0.00059	0.00053	<0.00050	0.00050		0.00055	0.00051	0.00053	<0.00050	0.00055	0.00056	0.00058	<0.001	<0.001	<0.001	<0.001	0.00022	0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Nickel (Ni), total	mg/L	0.0282	0.0248	0.0264																							

		KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	KV-20	
		06/07/2010	07/10/2010	09/02/2011	22/03/2011	27/05/2011	22/06/2011	12/07/2011	17/08/2011	29/10/2011	23/11/2011	17/12/2011	12/01/2012	14/02/2012	08/03/2012	09/04/2012	09/05/2012	04/06/2012	06/07/2012	03/08/2012	22/09/2012	13/10/2012	15/11/2012	11/12/2012	06/04/2013	09/05/2013	02/06/2013
Discharge (Flow)	L/s	4	8			15	4	4	1															0			
Depth to Water (mbTOC)	m																										
Geodetic Groundwater Level	masl																										
Well Depth	mbTOC																										
Total Suspended Solids	mg/L	6	4	2	<1	5	4	5	56	8	4.7	98.8	54.4	24.5	3.4	11.7	1.4	9.7	3.6	7.5	9.6	9.8	7.4	56.4	85.4	9.4	
pH (field)	pH units	7.77	7.75	7.8	7.87	8.32	7.92	8.18	8.06	7.83	8.26	7.96	7.13	7.82	7.69	7.76	7.45	6.81	7.6	7.65	7.33	7.03	7.79	7.26	7.83	6.86	
pH (lab)	pH units	7.53	7.74	7.94	7.94	7.69	7.78	7.08	8.03	7.83	7.89	7.98	7.86	8.12	8.3	8.09	8.24	7.65	7.82	7.79	7.87	7.82	8.01	8.04	7.95	7.82	
Specific Conductance (field)	µS/cm							815	498	1100		1240			1351	1365.0	956	918	957			1056	1275	1399	1152	960	
Specific Conductance (lab)	µS/cm	854	1040	1350	1360	357	918	768	503	1050	1150	1210	1260	1300	1310	1320	1300	868	824	931	906	970	1140	1260	1300	812	
Temperature (field)	C	3.6	0.7	0.2	1	2.9	1.1	1.1	3.1	1	0	2.6	1.4	0.2	0.8	0.8	1.5	1.3	1.3	1.3	1.2	0.8	0.1	0.26	0.9	1.1	
Dissolved Oxygen (field)	mg/L									0.74	6.42	12.81	9.2	10.92		11.83	13.66	13.9	14.92	15.1	12.94	13.31	13	15.14	13.24	12.41	
Dissolved Oxygen (field)	%									76.4	45.6	88.1	68	77.8		83	96.00	100	106.3	109	92.1	93.3	90	105.4	94.1	88.7	
ORP (field)	mV									279				50.7	88.9	114	66.20	323.9	145.5	310.1	136.5	-9.8	334.2		77.6	76	
Hardness (from total)	mg/L	483	583	808	777	193	451	436	240	557	646	724	691	694	802	746	778	465	395	466	427	448	614	723	815	412	
Hardness (from dissolved)	mg/L	448	587	781	766	174	469	406	234	530	642	718	744	745	708	747	729	430	408	482	483	497	625	723	849	424	
Alkalinity, total	mg/L																										
Chloride	mg/L																										
Fluoride	mg/L																										
Sulphate, dissolved	mg/L	320	500	600	620	130	340	310	170	436	484	463	508	545	545	540	526		331	385	387	410	488	566		583	
Ammonia (N)	mg/L																										
Nitrite (N)	mg/L																										
Nitrate (N)	mg/L																										
Total Kjeldahl Nitrogen	mg/L																										
Dissolved Organic Carbon	mg/L																										
Aluminum (Al), total	mg/L	0.072	0.0495	<0.01	0.012	0.176	0.052	0.083	0.71	0.08	0.051	0.05	0.03	0.13	0.02	0.0165	0.104	0.048	0.087	0.115	0.129	0.064	0.336		0.055	0.064	
Antimony (Sb), total	mg/L	0.0024	0.00143	0.0017	0.0018	0.0038	0.002	0.0016	0.0014	0.002	0.0016	0.0018	0.0016	0.0027	0.0015	0.0016	0.00145	0.00187	0.0018	0.00147	0.00176	0.0019	0.00159	0.00333	0.0021	0.0013	
Arsenic (As), total	mg/L	0.0113	0.00988	0.0095	0.0044	0.0059	0.0108	0.0091	0.0048	0.013	0.0136	0.0151	0.0182	0.0274	0.0133	0.0112	0.0122	0.0191	0.00931	0.0154	0.0165	0.0175	0.0182	0.12	0.0578	0.0189	
Barium (Ba), total	mg/L	0.003	0.00327	0.002	0.003	0.022	0.004	0.003	0.054	0.003	0.0036	0.005	0.004	0.006	0.003	0.003	0.00638	0.0039	0.0035	0.0029	0.0028	0.0032	0.0033	0.0054	0.00498	0.00556	
Beryllium (Be), total	mg/L	<0.0002	0.00002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000022	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth (Bi), total	mg/L	<0.001	<0.000005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0000050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Boron (B), total	mg/L	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.050	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cadmium (Cd), total	mg/L	0.11	0.0848	0.0116	0.0092	0.0145	0.121	0.136	0.0166	0.089	0.0709	0.0505	0.0291	0.0183	0.0135	0.0131	0.0169	0.182	0.1	0.127	0.101	0.0907	0.058	0.0583	0.0135	0.274	
Calcium (Ca), total	mg/L	157	193	275	267	59	150	145	73	185	216	244	236	237	276	256	268	154	130	152	139	146	206	245	284	139	
Chromium (Cr), total	mg/L	<0.002	0.0004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.0005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.0010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	
Cobalt (Co), total	mg/L	0.0083	0.00912	0.0034	0.0045	0.0066	0.0055	0.0082	0.0017	0.009	0.00894	0.008	0.0062	0.0049	0.0052	0.0042	0.00449	0.00749	0.00612	0.00922	0.00799	0.00795	0.00771	0.00753	0.0068	0.0068	
Copper (Cu), total	mg/L	0.02	0.00874	<0.001	<0.001	0.007	0.021	0.02	0.006	0.014	0.0076	0.007	0.004	0.004	<0.001	0.001	0.00122	0.023	0.0156	0.0183	0.0248	0.0225	0.0088	0.0389	0.0055	0.0348	
Iron (Fe), total	mg/L	1.63	1.37	0.712	0.143	0.609	1.25	1.75	1.5	2.01	1.55	1.53	1.6	2.35	0.91	0.76	0.677	3.26	1.2	2.25	3.04	2.95	2.05	15	3.46	3.68	
Lead (Pb), total	mg/L	0.0096	0.00558	0.0011	0.0004	0.0865	0.0093	0.0065	0.0276	0.0111	0.00644	0.0063	0.0045	0.0496	0.0009	0.0076	0.00205	0.0186	0.00767	0.00957	0.0131	0.0169	0.00686	0.0593	0.00717	0.00270	
Lithium (Li), total	mg/L	0.02	0.026	0.029	0.03	0.02	0.021	0.02	<0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.0306	0.021	0.017	0.022	0.02	0.022	0.02	0.022	0.028	0.0316	0.0168	
Magnesium (Mg), total	mg/L	22	24.7	29	27	11	19	18	14	23	25.8	28	25	27	26	26.1	19.5	17.2	20.9	19	20.4	24.2	27.3	25.5	15.8		
Manganese (Mn), total	mg/L	11.8	12.3	3.53	4.59	0.415	7.88	11.4	14.5	12.7	10.4	10.1	6.93	5.37	5.45	4.99	4.79	9.71	9.4	13.3	11.7	10.9	10	8.91	6.44	10.5	
Mercury (Hg), total	mg/L	<0.0002	<0.00001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.00005	<0.0002	<0.0002	<0.0002	<0.0002	<0.000010	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum (Mo), total	mg/L	<0.001	0.00076	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	0.0004	<0.001	<0.001	<0.001	<0.001	0.000403	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
Nickel (Ni), total	mg/L	0.055	0.0695	0.045	0.055	0.006	0.042	0.009	0.074	0.073	0.076	0.064	0.054	0.058	0.05	0.0533	0.0467	0.0465	0.0593	0.0573	0.0607	0.0622	0.0726	0.0518	0.0428		
Phosphorus (P), total	mg/L	<1	0.53	<1	<1	<1	<1	<1	<1	<3	0.6	<1	<1	<1	<1	0.728	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Potassium (K), total	mg/L	0.0011	0.00071	<0.0008	<0.0008	<0.0008	0.001	0.0017	<0.0008	<0.002	0.																





		KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	
		12/01/2009	01/02/2009	10/03/2009	16/04/2009	06/05/2009	05/06/2009	07/07/2009	11/08/2009	09/09/2009	06/10/2009	13/11/2009	03/12/2009	12/01/2010	12/02/2010	11/03/2010	08/04/2010	05/05/2010	08/06/2010	08/07/2010	04/08/2010	14/09/2010	07/10/2010	16/11/2010	07/12/2010	08/02/2011	23/03/2011
Discharge (Flow)	L/s							3									10		8		7						
Depth to Water (mbTOC)	m																										
Geodetic Groundwater Level	masl																										
Well Depth	mbTOC																										
Total Suspended Solids	mg/L	45	18	<5	4	3	6	3	<4	6	14	<1	12	87	<1	<1	2	3	11	11	5	22	20	70	8	59	<1
pH (field)	pH units					6.77	7.63	8.21		7.72	7.79	8.16	7.91	8.2	8.05	7.96	8.08	7.62	7.8	8.2	8.2	7.29	8.1	7.16	8.21	7.65	8.09
pH (lab)	pH units	7.95	7.82	7.87	8.1	7.5	8	8	8.2	8	8	8	8	8	8.2	8	8	7.6	8	7.89	8.09	8.02	8.04	8.11	7.96	8.08	7.96
Specific Conductance (field)	µS/cm																										
Specific Conductance (lab)	µS/cm	1160	1230	1310	1400	280	520	910	1030	785	784	979	1020	1200	1180	1210	1130	270	533	807	866	806	872	1010	1050	1290	1350
Temperature (field)	C					1.5	4.5	3.7		4.5	1.8	0.1	0.2	0.5	0.5	0.3	0	0	3.2	3.7	8.1	704	1.5	0	0	0	
Dissolved Oxygen (field)	mg/L																										
Dissolved Oxygen (field)	%																										
ORP (field)	mV																										
Hardness (from total)	mg/L				871	138	298	550	614	458	418	590	625	758	837	656	623	129	305	464	472	458	498	551	656	810	770
Hardness (from dissolved)	mg/L	662	694	682	819	131	268	482	608	472	408	549	667	713	719	693	639	132	293	445	448	430	468	565	584	747	663
Alkalinity, total	mg/L																										
Chloride	mg/L																										
Fluoride	mg/L																										
Sulphate, dissolved	mg/L								370	270	270	340	380	360	530	470	530	99	180	270	300	290	360	430	400	560	
Ammonia (N)	mg/L																										
Nitrite (N)	mg/L																										
Nitrate (N)	mg/L																										
Total Kjeldahl Nitrogen	mg/L																										
Dissolved Organic Carbon	mg/L																										
Aluminum (Al), total	mg/L	0.612	0.035	0.015	0.017	0.062	0.048	0.017	0.017	0.034	0.215	0.017	0.063	0.725	0.022	<0.01	0.061	0.09	0.234	0.093	0.016	0.406	0.108	0.288	0.055	0.354	<0.01
Antimony (Sb), total	mg/L	0.0014	0.001	0.0011	0.0011	0.0006	0.0019	0.0018	0.0021	0.0018	0.0024	0.0015	0.0019	0.0035	0.0018	0.0016	0.0014	0.0006	0.0016	0.0018	0.0017	0.0014	0.00139	0.0013	0.0017	0.0015	0.001
Arsenic (As), total	mg/L	0.0112	0.0033	0.003	0.0034	0.0013	0.0015	0.0015	0.0015	0.0028	0.0228	0.0013	0.0037	0.0211	0.0014	0.0007	0.0009	0.0008	0.0019	0.0018	0.0017	0.0038	0.00225	0.0044	0.0015	0.0064	0.0049
Barium (Ba), total	mg/L	0.045	0.03	0.032	0.034	0.0175	0.0194	0.021	0.022	0.021	0.019	0.022	0.049	0.032	0.029	0.03	0.019	0.028	0.027	0.023	0.035	0.0273	0.027	0.026	0.046	0.036	
Beryllium (Be), total	mg/L	<0.0001	<0.00004	<0.00004	<0.0001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00001	<0.0002	<0.0002	<0.0002	<0.0002
Bismuth (Bi), total	mg/L	<0.0005	<0.0001	<0.0001	<0.001	<0.0001	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000005	<0.001	<0.001	<0.001	<0.001
Boron (B), total	mg/L	0.005	<0.005	<0.005	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cadmium (Cd), total	mg/L	0.00655	0.00494	0.00411	0.00627	0.0069	0.0079	0.0075	0.0082	0.0312	0.0465	0.0124	0.0085	0.0181	0.008	0.0068	0.0067	0.0034	0.0066	0.0134	0.0213	0.0248	0.0151	0.0126	0.0069	0.0073	0.0044
Calcium (Ca), total	mg/L	213	214	214	283	43	93	173	197	146	132	188	200	240	264	206	194	40	94	147	151	145	157	177	209	248	245
Chromium (Cr), total	mg/L	0.0022	0.0007	0.0005	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0006	<0.002	<0.002	<0.002	<0.002
Cobalt (Co), total	mg/L	0.0006	0.00015	0.0001	<0.0005	0.0002	0.0001	<0.0005	<0.0005	0.0014	0.0017	<0.0005	<0.0005	0.0013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	0.002	0.00105	0.0009	<0.0005	0.0006	<0.0005	
Copper (Cu), total	mg/L	0.008	0.001	0.001	0.0007	0.003	0.004	0.002	0.001	0.005	0.04	<0.001	0.002	0.016	0.002	<0.001	0.003	0.004	0.002	0.002	0.005	0.00226	0.004	0.001	0.004	0.001	0.001
Iron (Fe), total	mg/L	1.46	0.12	0.05	0.063	0.14	0.149	0.035	0.044	0.443	4.55	0.074	0.376	3.41	0.073	<0.02	0.118	0.112	0.465	0.253	0.125	0.982	0.308	0.87	0.144	0.991	0.026
Lead (Pb), total	mg/L	0.0197	0.0065	0.0008	0.0109	0.0156	0.0067	0.0007	0.0008	0.0055	0.0241	0.0006	0.0099	0.0099	0.0009	0.0003	0.0006	0.0074	0.0089	0.0018	0.0018	0.0035	0.00162	0.0069	0.0011	0.0094	0.0024
Lithium (Li), total	mg/L	0.017	0.016	0.019	0.024	<0.01	<0.01	0.015	0.018	0.015	0.018	0.018	0.018	0.019	0.018	0.015	0.015	<0.01	<0.01	0.013	0.016	0.015	0.0155	0.017	0.016	0.015	0.019
Magnesium (Mg), total	mg/L	31.7	35.2	39.7	40.1	7	16	28	30	23	22	29	31	39	43	34	34	7	17	24	23	23	25.6	27	33	46	38
Manganese (Mn), total	mg/L	0.357	0.0374	0.012	0.025	0.138	0.074	0.032	0.087	2.29	2.72	0.251	0.091	0.909	0.004	0.002	0.005	0.06	0.134	0.631	1.43	2.5	1.24	0.883	0.013	0.185	0.141
Mercury (Hg), total	mg/L				<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00001	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum (Mo), total	mg/L	<0.001	0.00045	0.00049	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00043	<0.001	<0.001	<0.001	<0.001	<0.001
Nickel (Ni), total	mg/L	0.0014	0.004	0.004	0.005	0.0038	0.0041	0.004	0.013	0.016	0.007	0.008	0.004	0.008	0.004	0.004	0.004	0.003	0.004	0.007	0.013	0.017	0.014	0.012	0.005	0.005	0.006
Phosphorus (P), total	mg/L		0.01	<0.01	0.013																						
Potassium (K), total	mg/L	1	0.7	0.6	0.88	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.58	<1	<1	<1	<1	<1
Selenium (Se), total	mg/L	0.0008	<0.0006	<0.0006	0.0003	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	0.00068	<0.0008	<0.0008	<0.0008	<0.0008	
Silicon (Si), total	mg/L	3.96	2.77	3.03	3.41	<2	2.78	3.14	3.34	3.53	3.39	3.36	4.91	4.26	3.22	3.49	2.18	3.14	3.49	3.05	3.65	2.9	3.21	3.45	4.33	3.07	
Silver (Ag), total	mg/L	0.00032	0.00004	<0.00001	0.00002	0.0002	0.0001	<0.0001	<0.0001	<0.0001	0.0003	<0.0001	<0.0001	0.0009	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.000019	<0.0001	0.0004	0.003	<0.0001	
Sodium (Na), total	mg/L	3	1.65	1.76	2.07	<1	<1	1	1	1	1	1	1	2	2	2	2	<1	<1	1	1	1	1.3	1	1	2	2
Strontium (Sr), total	mg/L	0.433	0.446	0.444	0.44	0.067	0.168	0.304	0.332	0.245	0.224	0.313	0.371	0.422	0.445	0.393	0.366	0.07	0.18	0.284	0.275	0.254	0.287	0.309	0.355	0.476	0.464
Sulphur (S), total	mg/L	159	199	195	232	<60	73	134	152	109	103	154	154	197	212	167	157	<60	67								

		KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21							
		19/04/2011	27/05/2011	12/07/2011	18/08/2011	29/10/2011	14/02/2012	01/05/2012	09/07/2012	14/10/2012	10/02/2013	11/07/2013	08/09/2013	13/09/2013	09/10/2013	09/11/2013	03/02/2014	10/05/2014	08/06/2014	04/07/2014	03/08/2014	22/09/2014	25/10/2014	18/11/2014	14/01/2015	06/02/2015	03/04/2015				
Discharge (Flow)	L/s		20	5	11	0.181818	2.2				11.8				9.7		22.45	17.36	4.2		57.6	4.5	4.74	10.744	25.646	12.5	6.7	3.3		2.4	
Depth to Water (mbTOC)	m																														
Geodetic Groundwater Level	masl																														
Well Depth	mbTOC																														
Total Suspended Solids	mg/L	49	6	13	9	7	1.2	3.9	52.6	63.3	1.1	65.6			449	2.2	34.8				28.6					18.4			3.2		
pH (field)	pH units		8.26	8.2	7.8	8.14	7.82	8.12	8.16	7.87	8.25	8.01			7.96	7.93	7.99	7.13			8.4	8.51	8.18			7.77	7.6	7.35	7.87		
pH (lab)	pH units	8.07	7.82	8.04	8.01	8	8.05	7.81	8.11	7.98	8.2	8.18			7.91		8.16	7.06			8.04					7.58		7.85			
Specific Conductance (field)	µS/cm			687	550	960	1186	532.0	833	979	1336	947	880		747.2	965	1393			847.00	754	652.2			958	1094	1130	1240			
Specific Conductance (lab)	µS/cm	1160	369	737	560	912	1170	532	756	879	1270	971			614	-0.1	1090	161			800	6.6	2.8			962		1280			
Temperature (field)	C	0.5	3.7	7	4.4	0.5	0.1	0.0	3.3	2.6	-0.1	4.3	4.8		0.8	-0.1	0			6.00	6.6	2.8			0	-0.1	-0.1	-0.1			
Dissolved Oxygen (field)	mg/L					11.06	14.22	14.73	13.51	10.16	16.89	15.5	13.13		13.78	15.43	13.31	13.82		13.03	12.14	13.89			14.83	15.37	14.33	15.11			
Dissolved Oxygen (field)	%					77.4	97.2	100.90	101.5	75.1	118	119.2	104.2		99.1	104.4	89.4	93.9		105.40	98.7	104.1			101.2	105.4	99.2	102.6			
ORP (field)	mV					247.1	48	199.70	143.3	139.7	194	141.7	148.2		144.4	14.1	188.4	159.1		333.9	346.3	272.1			248.9	175.8	283	271.8			
Hardness (from total)	mg/L	758	182	393	297	507	671	273	388	480	715	585			439		703	80.3		504					533		748				
Hardness (from dissolved)	mg/L	639	167	383	261	490	638	270	420	470	738	611			419		726	80.0		533					547		733				
Alkalinity, total	mg/L																									154					
Chloride	mg/L																														
Fluoride	mg/L																														
Sulphate, dissolved	mg/L	500	140	250	180	308	467	226	289	336	575	427			259		543	54.5		365						396		536			
Ammonia (N)	mg/L																														
Nitrite (N)	mg/L																														
Nitrate (N)	mg/L																														
Total Kjeldahl Nitrogen	mg/L																														
Dissolved Organic Carbon	mg/L																														
Aluminum (Al), total	mg/L	0.053	0.089	0.147	0.14	0.0675	0.0095	0.0543	0.202	0.226	0.00266	0.831			4.76		0.0513	0.470		0.483						0.189		0.0229			
Antimony (Sb), total	mg/L	0.0013	0.002	0.0018	0.0011	0.00178	0.002	0.00114	0.00171	0.00143	0.001	0.0016			0.00192		0.00115	0.00234		0.00199					0.0015		0.00148				
Arsenic (As), total	mg/L	0.0035	0.0023	0.0022	0.0021	0.00911	0.00108	0.0019	0.00279	0.00531	0.000826	0.0044			0.0156		0.00204	0.00825		0.00399					0.0081		0.00131				
Barium (Ba), total	mg/L	0.039	0.018	0.028	0.036	0.0182	0.0219	0.0224	0.0282	0.0263	0.0371	0.0553			0.196		0.0301	0.0333		0.0376					0.0187		0.0235				
Beryllium (Be), total	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	0.00003	<0.00001	0.000017	0.000016	0.000022	<0.000010	<0.0010			0.00015		<0.00010	<0.00010		<0.00010					<0.0010		<0.00010				
Bismuth (Bi), total	mg/L	<0.001	<0.001	<0.001	<0.001	<0.000005	<0.000005	<0.0000050	0.0000058	<0.0000050	<0.0000050	<0.0050			<0.00050		<0.00050	<0.00050		<0.00050					<0.00050		<0.00050				
Boron (B), total	mg/L	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.050	<0.050	<0.050	<0.10			<0.010		<0.010	<0.010		<0.010					<0.010		<0.010				
Cadmium (Cd), total	mg/L	0.0065	0.0118	0.0239	0.0194	0.0349	0.00861	0.00719	0.0183	0.0311	0.00475	0.00550			0.0179		0.00392	0.0108		0.00720					0.0435		0.0140				
Calcium (Ca), total	mg/L	237	56	122	92	163	220	83.6	122	154	222	183			134		221	24.4		158					174		246				
Chromium (Cr), total	mg/L	<0.002	<0.002	<0.002	<0.002	0.0001	<0.0001	<0.00010	0.00034	0.00039	<0.00010	0.0015			0.00088		0.00024	0.00076		0.00088					<0.0010		0.00016				
Cobalt (Co), total	mg/L	<0.0005	<0.0005	0.001	0.0012	0.0024	0.00004	0.000387	0.000999	0.00242	0.000022	<0.0010			0.00537		<0.00010	0.00088		0.00056					0.0037		0.00053				
Copper (Cu), total	mg/L	0.002	0.005	0.004	0.003	0.00894	0.00089	0.00387	0.0037	0.00706	0.000827	<0.0050			0.0209		0.00135	0.00752		0.00370					0.0080		0.00101				
Iron (Fe), total	mg/L	0.158	0.266	0.424	0.4	1.3	0.034	0.243	0.536	0.99	0.0139	1.45			10.1		0.073	1.25		0.919					1.37		0.067				
Lead (Pb), total	mg/L	0.0025	0.0312	0.008	0.0061	0.00999	0.00121	0.0113	0.00403	0.00601	0.000761	0.00154			0.0135		0.00133	0.131		0.00163					0.00637		0.00176				
Lithium (Li), total	mg/L	0.017	<0.01	0.011	<0.01	0.0186	0.0221	0.00533	0.0136	0.0172	0.0149	0.0126			0.0161		0.0134	0.00235		0.0119					0.0193		0.0209				
Magnesium (Mg), total	mg/L	40	10	21	16	24	29.4	15.5	20	23.2	38.9	31.2			25.2		37.0	4.72		26.6					23.8		32.8				
Manganese (Mn), total	mg/L	0.062	0.226	1.27	1.64	3	0.0125	0.277	1.09	2.77	0.0092	0.0545			1.43		0.00731	0.600		0.0815					5.00		0.746				
Mercury (Hg), total	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.00001	<0.00001	<0.000010	<0.000010	<0.000010	<0.000010	<0.000050			<0.000010		<0.000010	0.000012		<0.000010					<0.000050		<0.000010				
Molybdenum (Mo), total	mg/L	<0.001	<0.001	<0.001	<0.001	0.00033	0.00059	0.000224	0.000276	0.000275	0.000453	0.00058			0.000946		0.000536	0.000123		0.000543					<0.00050		0.000448				
Nickel (Ni), total	mg/L	0.006	0.005	0.01	0.009	0.0228	0.00704	0.00372	0.00963	0.0208	0.00269	<0.0050			0.0201		0.00224	0.00580		0.00497					0.0312		0.0150				
Phosphorus (P), total	mg/L				<0.04	0.01	0.007	0.0739	0.0424	0.0516	0.0054	0.076			0.462		<0.050	0.064		<0.050					<0.050		<0.050				
Potassium (K), total	mg/L	<1	<1	<1	<1	0.53	0.68	1.19	0.421	0.539	0.821	0.77			1.17		0.76	0.71		0.62					0.49		0.72				
Selenium (Se), total	mg/L	<0.0008	<0.0008	0.0009	<0.0008	0.00081	0.00034	0.000217	0.000663	0.000872	0.000758	<0.0010			0.00106		0.00053	0.00021		0.00104					<0.0010		0.00036				
Silicon (Si), total	mg/L	4.77	2.16	3.17	3	2.9	2.6	2.7	3.11	3.21	3.43	4.32			10.3		3.36	1.72		3.73					2.87		2.78				
Silver (Ag), total	mg/L	<0.0001	0.0006	0.0001	<0.0001	0.000183	0.000013	0.000079	0.000291	0.000056	<0.000050	<0.00010			0.000150		0.000013	0.00205		0.000021					0.00012		0.000016				
Sodium (Na), total	mg/L	2	<1	1	1	1.22	1.4	0.978	1.09	1.14	1.83	1.61			1.63		1.55	0.370		1.30					1.09		1.44				
Strontium (Sr), total	mg/L	0.45	0.102	0.225	0.167	0.279	0.326	0.166	0.243	0.263	0.498	0.377			0.265		0.428	0.0415		0.352					0.254		0.358				
Sulphur (S), total	mg/L	197	<60	101	70	138	184	68	97	123	194	137			83.8		171	17.4		115					130		181				
Thallium (Tl), total	mg/L	<0.00005	0.00009	0.00007	0.00009	0.000156	0.000032	0.00003	0.0000726	0.000128	0.00001	<0.00010			0.000113		0.000013	0.000049		0.000032					0.000022		0.000071				
Tin (Sn), total	mg/L	<0.005	<0.005	<0.005	<0.005	<0.00019	<0.00019	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010																			

		KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	KV-21	BH-MW-1	BH-MW-1	BH-MW-1	BH-MW-1	BH-MW-1	BH-MW-1			
		14/05/2015	11/06/2015	18/06/2015	30/07/2015	17/09/2015	20/10/2015	20/11/2015	18/12/2015	09/01/2016	01/02/2016	06/03/2016	05/04/2016	04/05/2016	16/06/2016	15/07/2016	06/08/2016	23/09/2016	23/10/2016	10/11/2016	01/12/2016	18/09/2013	14/10/2013	22/02/2014	02/06/2014	26/07/2014	19/11/2014	
Discharge (Flow)	L/s	243.5	10.8		0.152	34.9	16.9	2.3	10.4	5.4	3.6	5.8	2.7	48.9	16.2	21.6	45.2	25.1	10.2	5.8	6.2							
Depth to Water (mbTOC)	m																				16.62	15.85	16.76	15.12	15.75	15.62		
Geodetic Groundwater Level	masl																				1231.7	1232.5	1231.6	1233.2	1232.6	1232.7		
Well Depth	mbTOC																				29.31	22.87	22.63	22.83	22.74	22.61		
Total Suspended Solids	mg/L	300			31.0		332				4.2			6.6		28.2			38.2							11.2	12.2	
pH (field)	pH units	7.48		7.69	8.03		7.96	8.25	7.84	8	7.71	7.74	8.09	7.57	7.83	7.84	7.98	8.4	7.36	7.78	6.61	5.97	6.39	7.16	6.86	6.92	7	
pH (lab)	pH units	7.23			8.14		8.07				7.99			7.38		8.04			7.99								7.43	
Specific Conductance (field)	µS/cm	142.1			588		662.8	439.8	971	846.5	975	997	1125	241.6	655.7	532.8	535.8	622.4	741.3	927	857.7	2696	259.1	343.4	7.16	255.9	255.2	
Specific Conductance (lab)	µS/cm	160			673		682				936			245		551			813								234	299
Temperature (field)	C	0.3		4.4	5		0.7	-0.1	0	0	0.7	0.3	0.6	4.6	7.2	5.6	1	0.3	0.4	0	1.6	2.3	2	3	3.7	2.3		
Dissolved Oxygen (field)	mg/L	14.54		12.44	11.6		15.66	1.44	11.9	12.7	12.8	12.43	15.06	13.9	11.47	11.04	10	12.98	11.91	9.81	12.13	1.24	6.29	7.05	5.84	5.6	3.99	
Dissolved Oxygen (field)	%	100.3		95.7	99		109.9	10	91	96	97	96.6	104.7	107	98.7	100.2	88	91.6	89	68.2	93.2	9.3	48.3	52.8	45.5	44.4	30.7	
ORP (field)	mV	270.9		181.7	312.6		72	125.3	175.8	134.7	296	111.6	83.8	272.1	145.8	152.6	384.7	129.1	152.5	109.7	84.8	160.9	222.1	157.8	128.3	326.4	256.7	
Hardness (from total)	mg/L	109			352		411				586			134		282			465								125	125
Hardness (from dissolved)	mg/L	68.5			377		401				595			142		304			450								131	
Alkalinity, total	mg/L																				122	132	123	120	125	131		
Chloride	mg/L																				77.3	85.5	86.6	79.5	78.1	79.3		
Fluoride	mg/L																				0.61	0.64	<0.50	<0.50	<0.50	2.95		
Sulphate, dissolved	mg/L	54.4			237		264				441			72.9		190			320								50.4	
Ammonia (N)	mg/L																										<0.0050	
Nitrite (N)	mg/L																										<0.0010	
Nitrate (N)	mg/L																										0.297	
Total Kjeldahl Nitrogen	mg/L																										0.293	
Dissolved Organic Carbon	mg/L																										0.068	
Aluminum (Al), total	mg/L	3.94			0.407		3.86				0.0111			0.0980		0.377			0.435								0.79	
Antimony (Sb), total	mg/L	0.0479			0.00201		0.00179				0.00150			0.00094		0.00176			0.00162									
Arsenic (As), total	mg/L	0.174			0.00276		0.0144				0.00234			0.00186		0.00674			0.00675									
Barium (Ba), total	mg/L	0.144			0.0306		0.131				0.0162			0.0164		0.0287			0.0241									
Beryllium (Be), total	mg/L	0.00047			<0.00010		0.00015				<0.00010			<0.00010		<0.00010			<0.00010									
Bismuth (Bi), total	mg/L	0.000122			<0.000050		0.000066				<0.000050			<0.000050		<0.000050			<0.000050									
Boron (B), total	mg/L	<0.010			<0.010		<0.010				<0.010			<0.010		<0.010			<0.010									
Cadmium (Cd), total	mg/L	0.107			0.0150		0.0407				0.0132			0.00843		0.0328			0.0332									
Calcium (Ca), total	mg/L	33.2			112		131				192			42.0		89.9			152									
Chromium (Cr), total	mg/L	0.00802			0.00071		0.00604				<0.00010			<0.00040		0.00062			0.00073									
Cobalt (Co), total	mg/L	0.0125			0.00088		0.00651				0.00057			0.00036		0.00207			0.00257									
Copper (Cu), total	mg/L	0.104			0.00457		0.00099				0.00099			0.00495		0.0109			0.00725									
Iron (Fe), total	mg/L	16.7			0.912		8.11				0.121			0.262		1.36			1.54									
Lead (Pb), total	mg/L	3.04			0.00628		0.0164				0.00112			0.0134		0.0141			0.00613									
Lithium (Li), total	mg/L	0.0066			0.0119		0.0174				0.0215			0.0030		0.0097			0.0187									
Magnesium (Mg), total	mg/L	6.33			17.6		20.2				25.7			6.97		14.0			20.7									
Manganese (Mn), total	mg/L	9.44			0.716		4.50				0.819			0.371		2.57			3.10									
Mercury (Hg), total	mg/L	0.000199			<0.000050		0.0000140				<0.000050			0.000066		<0.000050			<0.000050									
Molybdenum (Mo), total	mg/L	0.00135			0.000346		0.000645				0.000419			0.000138		0.000291			0.000417									
Nickel (Ni), total	mg/L	0.0548			0.00917		0.0309				0.0166			0.00473		0.0144			0.0245									
Phosphorus (P), total	mg/L	0.538			<0.050		0.326				<0.050			<0.050		<0.050			0.051									
Potassium (K), total	mg/L	1.24			0.46		0.91				0.64			0.50		0.33			0.53									
Selenium (Se), total	mg/L	0.000972			0.000559		0.000757				0.000409			0.000297		0.000620			0.000669									
Silicon (Si), total	mg/L	5.60			3.43		8.52				2.64			1.99		3.32			3.57									
Silver (Ag), total	mg/L	0.0725			0.000054		0.000245				0.00014			0.000316		0.000170			0.000104									
Sodium (Na), total	mg/L	0.346			1.03		1.36				1.23			0.481		0.946			1.10									
Strontium (Sr), total	mg/L	0.0655			0.199		0.210				0.289			0.0593		0.142			0.231									
Sulphur (S), total	mg/L	18.7			82.5		143				143			27.3		63.2			116									
Thallium (Tl), total	mg/L	0.00110			0.000066		0.000276				0.000101			0.000053		0.000161			0.000170									
Tin (Sn), total	mg/L	0.00079			<0.00010		<0.00010				<0.00010			<0.00010		<0.00010			<0.00010									
Titanium (Ti), total	mg/L	<0.090			0.0152		0.139				<0.00090			0.00272		0.0129			0.0152									
Uranium (U), total	mg/L	0.00285			0.00335		0.00406				0.00821			0.000927		0.00255			0.00512									
Vanadium (V), total	mg/L	0.00880																										

		BH-MW-1	BH-MW-1	BH-MW-1	BH-MW-1	BH-MW-1	BH-MW-1	BH-MW-1	RB-MW-1	RB-MW-1	RB-MW-1	RB-MW-1	RB-MW-1	RB-MW-1	RB-MW-1	RB-MW-1	RB-MW-1	RB-MW-1	RB-MW-1	RB-MW-1			
		19/01/2015	26/05/2015	19/10/2015	31/01/2016	05/05/2016	14/07/2016	19/10/2016	15/09/2013	13/10/2013	22/02/2014	02/06/2014	27/07/2014	17/11/2014	19/01/2015	26/05/2015	26/07/2015	19/10/2015	31/01/2016	04/05/2016	14/07/2016	20/10/2016	
Discharge (Flow)	L/s																						
Depth to Water (mbTOC)	m	16.43	14.559	15.03	16.384	16.435	15.843	16.365	3.745	3.53	7.75	7.955	4.735	3.32	4.78	5.097	3.475	3.372	5.648	6.105	3.432	5.3	
Geodetic Groundwater Level	masl	1231.9	1233.77	1233.3	1231.95	1231.90	1232.49	1231.96	1092.9	1093	1089	1088.6	1091.9	1093	1092	1091.5	1093.1	1093.2	1091.0	1090.5	1093.2	1090	
Well Depth	mbTOC	23	22.559	22.605	22.773	23.044	22.601	22.61	14.26	14.25	14.27	14.37	14.26	14.27	14.44	14.23	14.233	14.232	14.234	14.25	14.236	14.22	
Total Suspended Solids	mg/L	113	1.6	15.4	<1.0	494	4.6	76.8				742	448	706	1960	131	1100	615	1190	875	146	658	
pH (field)	pH units	6.75	6.92	6.99	7.67	7.55	6.74	7.02	6.66	6.99	7.13	6.91	6.6	7.28	6.68	6.93	6.93	7.33	7.41	7.23	6.66	7.58	
pH (lab)	pH units	7.19	7.01	7.38	7.16	7.22	7.20	7.20	7.60	7.09	6.78	6.95	6.76	8.06	6.53	6.54	6.76	6.73	6.69	6.68	6.75	6.82	
Specific Conductance (field)	µS/cm	255.8	257.5	248.6	295.2	250.1	233.6	256.4	568	451.8	614.4	510.4	418.1	406.4	457.4	402.7	356.7	369	415.2	358.2	308		
Specific Conductance (lab)	µS/cm	271	240	235	256	265	245	253	445	366	411	437	461	413	412	401	407	301	330	402	321	259	
Temperature (field)	C	2.1	5.3	3.2	2.6	2.5	5.6	2.2	0.6	1.1	0.9	1.5	1.8	1.3	0.1	3.4	2.7	1.9	1.1	0.9	3.7	1.7	
Dissolved Oxygen (field)	mg/L	5.59	5.3	6.32	7.8	7.1	5.2	4.2	0.62	1.1	0.95	1.43	2.34	4.85	1.41	1.1	5.76	3.57	1.6	2.58	1.05	1.4	
Dissolved Oxygen (field)	%	42.7	48	47.6	68	61	48.0		4.4	8.2	6.9	10.7	17.9	35	10.2	9	44.3	26.2	13	21	9.1	12	
ORP (field)	mV	197.8	450.5	55.4	278.4	334.9	161.1		-59.7	-101.3	-130	74	8.6	-84.3	39.5	107.7	-74.2	91.3	46.8	-45.6	-80	157.3	
Hardness (from total)	mg/L																						
Hardness (from dissolved)	mg/L	127	129	141	133	145	132	140	234	193	201	227	233	173	177	203	199	161	160	197	156	125	
Alkalinity, total	mg/L	82.5	86.9	84.4	89.6	92.3	83.1	88	139	111	99.0	109	103	56.6	54.7	72.3	71.5	49.0	57.5	77.7	62.8	48.2	
Chloride	mg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.16	1.03	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
Fluoride	mg/L	0.245	0.248	0.265	0.256	0.304	0.292	0.259	0.210	0.196	0.156	0.138	0.183	0.157	0.143	0.123	0.135	0.151	0.126	0.148	0.149	0.129	
Sulphate, dissolved	mg/L	47.6	40.9	48.1	47.2	46.0	40.7	44.5	98.3	102	119	138	138	132	138	143	137	106	120	122	94.7	78.5	
Ammonia (N)	mg/L	<0.0050	<0.0050	<0.0050	0.0080	<0.0050	<0.0050	<0.0050			1.05	1.02	0.839	0.867	0.648	0.587	0.593	0.485	0.587	0.476	0.504		
Nitrite (N)	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0011	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	
Nitrate (N)	mg/L	0.200	0.286	0.243	0.200	0.173	0.275	0.268	0.0092	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
Total Kjeldahl Nitrogen	mg/L	<0.050	<0.050	0.066	0.074	0.102	<0.050	0.066			1.98	1.62	1.80	3.07	1.00	1.28	0.928	0.889	1.35	1.19	0.964		
Dissolved Organic Carbon	mg/L	0.71	0.93	<0.50	0.79	1.81	0.70	0.98			3.12	3.66	3.81	3.30	3.27	4.10	3.51	3.52	3.31	6.11	5.46		
Aluminum (Al), total	mg/L																						
Antimony (Sb), total	mg/L																						
Arsenic (As), total	mg/L																						
Barium (Ba), total	mg/L																						
Beryllium (Be), total	mg/L																						
Bismuth (Bi), total	mg/L																						
Boron (B), total	mg/L																						
Cadmium (Cd), total	mg/L																						
Calcium (Ca), total	mg/L																						
Chromium (Cr), total	mg/L																						
Cobalt (Co), total	mg/L																						
Copper (Cu), total	mg/L																						
Iron (Fe), total	mg/L																						
Lead (Pb), total	mg/L																						
Lithium (Li), total	mg/L																						
Magnesium (Mg), total	mg/L																						
Manganese (Mn), total	mg/L																						
Mercury (Hg), total	mg/L																						
Molybdenum (Mo), total	mg/L																						
Nickel (Ni), total	mg/L																						
Phosphorus (P), total	mg/L																						
Potassium (K), total	mg/L																						
Selenium (Se), total	mg/L																						
Silicon (Si), total	mg/L																						
Silver (Ag), total	mg/L																						
Sodium (Na), total	mg/L																						
Strontium (Sr), total	mg/L																						
Sulphur (S), total	mg/L																						
Thallium (Tl), total	mg/L																						
Tin (Sn), total	mg/L																						
Titanium (Ti), total	mg/L																						
Uranium (U), total	mg/L																						
Vanadium (V), total	mg/L																						
Zinc (Zn), total	mg/L																						
Zirconium (Zr), total	mg/L																						
Aluminum (Al), dissolved	mg/L	0.0025	0.0010	<0.0010	<0.0010	0.0034	0.0010	0.0014	0.0011	0.0020	0.0013	0.0029	0.0039	0.0039	0.0030	0.0026	0.0042	0.0020	0.0023	0.0017	0.0044	0.0043	
Antimony (Sb), dissolved	mg/L	0.00021	0.00020	0.00017	0.00018	0.00022	0.00017	0.00020	0.00018	0.00023	0.00016	<0.00010	0.00012	0.00014	0.00015	0.00015	0.00012	0.00012	0.00014	0.00034	0.00014	0.00016	
Arsenic (As), dissolved	mg/L	0.00020	0.00051	0.00015	0.00016	0.00012	0.00022	0.00010	0.0488	0.0192	0.0285	0.0827	0.0825	0.0643	0.0847	0.0823	0.0757	0.0603	0.0336	0.0868	0.0574		
Barium (Ba), dissolved	mg/L	0.000636	0.000566	0.000580	0.000602	0.000933	0.000617	0.000632	0.0961	0.149	0.152	0.141	0.163	0.125	0.132	0.150	0.134	0.107	0.123	0.173	0.118	0.0954	
Beryllium (Be), dissolved	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	
Bismuth (Bi), dissolved	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.000060	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	
Boron (B), dissolved	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	
Cadmium (Cd), dissolved	mg/L	0.000091	0.0000382	0.0000743	0.000150	0.000140	0.000215	0.0000936	0.000016	0.000024	0.000021	0.000082	0.0000216	0.000019	0.000027	0.0000106	0.0000728	0.0000202	0.0000305	0.0000658	0.0000167	0.0000508	
Calcium (Ca), dissolved	mg/L	37.8	38.7	43.2	39.6	43.6	39.6	42.2	69.7	55.5	57.4	64.5	66.1	49.2	50.2	58.4	58.1	47.4	45.7	56.8	45.0	36.5	
Chromium (Cr), dissolved	mg/L	<0.00010	<0.00010	<0.00010	0.00013	<0.00010	0.00029	<0.00010	<0.00010	<0.00010	0.00011	<0.00010	0.00017	0.00015	0.								