Appendix V6-5D

Concentrations of Contaminants of Potential Concern in Vegetation Tissue Samples Collected during the Baseline Monitoring Program

MAC RESOURCES

Appendix V6-5D. Concentrations of Contaminants of Potential Concern in Vegetation Samples Collected during the Baseline Monitoring Program

Species	Bearberry (*Arctostaphylos alpina*)										Berry Mix (species unidentified)				
Sample ID	CFW2-B-ARCTRUB	CFW1 ARTOSTAPHYLOS ALPINA	CFW2 ARTOSTAPHYLOS ALPINA	CFW3 ARTOSTAPHYLOS ALPINA	CFW4 ARTOSTAPHYLOS ALPINA	CFW6 ARTOSTAPHYLOS ALPINA	D20 ARTOSTAPHYLOS ALPINA	D22 ARTOSTAPHYLOS ALPINA	D29 ARTOSTAPHYLOS ALPINA	D75 ARTOSTAPHYLOS ALPINA	D54-BERRY MIX	D55-BERRY MIX	D62-BERRY MIX	D63-BERRY MIX	D65-BERRY MIX
Date Sampled	06-AUG-10	06-AUG-10	06-AUG-10	06-AUG-10	07-AUG-10	08-AUG-10	16-AUG-10	16-AUG-10	17-AUG-10	24-AUG-10	21-AUG-10	21-AUG-10	23-AUG-10	23-AUG-10	23-AUG-10
ALS Sample ID	L951558-2	L945018-1	L945018-2	L945018-3	L945018-4	L945018-5	L945018-6	L945018-7	L945018-8	L945018-9	L944855-1	L944855-2	L944855-3	L944855-4	L944855-5
% Moisture	84.0	86.1	84.4	86.2	84.3	85.2	87.7	87.6	87.2	84.3	86.5	82	86.5	84.2	86.1
Metals (mg/kg wet weight)															
Aluminum	0.42	0.64	0.46	0.41	<0.40	0.92	<0.40	1.28	<0.40	0.72	0.52	0.67	1.22	0.52	1.03
Antimony	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Arsenic	<0.0040	<0.0040	0.0051	<0.0040	0.0045	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Barium	0.453	1.73	0.489	0.516	0.283	0.309	0.449	0.508	0.515	0.839	0.508	0.564	0.645	0.973	0.972
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Boron	1.17	0.85	1.34	1.12	1.35	1.22	1.79	1.11	1.11	1.58	1.94	1.28	1.02	1.53	1.15
Cadmium	<0.0020	<0.0020	<0.0020	<0.0020	0.0035	<0.0020	0.0036	<0.0020	0.0031	0.0047	<0.0020	<0.0020	0.0036	<0.0020	<0.0020
Calcium	97.0	163	112	98.2	168	60.4	143	69.4	144	125	129	90.2	99.4	126	111
Cesium	<0.0010	0.0019	<0.0010	0.0059	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0025	0.0021	0.0024	0.0028	0.0015	0.0045
Chromium	<0.020	11.6	12.6	9.27	14.5	3.25	0.972	2.16	1.34	0.893	2.57	2.99	4.26	2.71	1.13
Cobalt	0.0131	0.0887	0.0875	0.15	0.0847	0.0759	0.0224	0.0475	0.0098	0.0307	0.0432	0.053	0.033	0.0446	0.0241
Copper	0.396	0.947	0.775	0.583	0.864	0.618	0.349	0.397	0.521	0.436	0.63	0.643	0.658	1.05	0.521
Gallium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Iron	1.65	55.1	60.3	43.8	67.2	17.8	7.01	11.7	7.61	5.87	13.7	16	21.2	14.2	6.71
Lead	<0.0040	<0.0040	0.0059	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0128	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Lithium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Magnesium	99	88.7	81.6	72.5	81.7	76	65.6	70.4	69.7	73.8	80.4	79.2	66.1	64.7	69.3
Manganese	0.711	1.99	2.51	1.96	2.35	1.4	0.926	1.32	1.04	1.11	25.7	3.12	4.11	5.83	10.3
Mercury	<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
Molybdenum	0.0147	0.273	0.316	0.426	0.327	0.186	0.0494	0.136	0.0353	0.0619	0.173	0.174	0.134	0.161	0.0809
Nickel	0.375	6.4	7.06	5.24	7.59	2.1	0.919	1.44	0.786	0.748	1.54	1.87	2.36	1.58	0.773
Phosphorus	146	191	144	145	105	179	103	156	130	182	128	184	120	104	127
Potassium	1430	1170	1390	1200	1330	1190	993	1050	1490	1340	1070	1320	1060	935	1230
Rhenium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Rubidium	2.16	2.07	1.91	2.66	1.81	0.694	1.19	0.76	1.33	1.97	1.3	2.75	2.84	1.78	2.98
Selenium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Silver	<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
Sodium	<200	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Strontium	0.283	0.338	0.265	0.238	0.139	0.154	0.105	0.136	0.186	0.423	0.163	0.193	0.202	0.197	0.16
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Thorium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Tin	<0.0040	0.465	0.461	0.376	0.508	0.212	0.0719	0.16	0.464	0.151	0.38	0.222	0.217	0.328	0.284
Titanium	<0.010	<0.010	<0.010	<0.010	<0.010	0.031	<0.010	0.044	<0.010	<0.010	<0.010	0.012	0.024	0.016	0.01
Uranium	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Vanadium	<0.0040	0.0404	0.0454	0.0568	0.0496	0.0219	0.0064	0.0158	0.0054	0.0067	0.0164	0.0214	0.0181	0.0181	0.0084
Yttrium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Zinc	1.79	2.14	1.91	1.22	2.26	1.37	1.88	1.37	2.11	1.81	1.72	1.84	1.31	1.21	1.3
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

Sample CFW2-B-ARCTRUB was mislabelled and is actually Arctostaphylos alpina, and is the duplicate to CFW2 collected on the same date.

Berry sample CWF1 was mislabelled and is actually CFW1-B (thus a duplicate to CFW1-A).

(-) = not available

Appendix V6-5D. Concentrations of Contaminants of Potential Concern in Vegetation Samples Collected during the Baseline Monitoring Program

Species	Berry Mix (species unidentified)												Bog Blueberry (*Vaccinium uliginosum*)	Crowberry (*Empetrum nigrum*)			
Sample ID	D71-BERRY MIX	D72-BERRY MIX	D06-BERRY MIX	D12-BERRY MIX	D16-BERRY MIX	D26-BERRY MIX	D39-BERRY MIX	D42-BERRY MIX	D43-BERRY MIX	D40-BERRY MIX	D50-BERRY MIX	D51-BERRY MIX	D52-VACCINIUM	CFW1-A-EMPENIG	CWF1-EMPENIG	CWF5-EMPENIG	REFA-01
Date Sampled	24-AUG-10	24-AUG-10	15-AUG-10	16-AUG-10	16-AUG-10	17-AUG-10	19-AUG-10	19-AUG-10	19-AUG-10	19-AUG-10	21-AUG-10	21-AUG-10	21-AUG-10	06-AUG-10	06-AUG-10	08-AUG-10	12-AUG-14
ALS Sample ID	L944855-6	L944855-7	L944855-11	L944855-12	L944855-13	L944855-14	L944855-15	L944855-16	L944855-17	L944855-18	L944855-19	L944855-20	L944855-10	L951558-1	L944855-8	L944855-9	L1505021-1
% Moisture	86	86.2	89.2	87.2	87.3	84.2	86.8	86.9	86.4	82.6	86.8	87.3	87.9	77.3	79.7	83.1	83.3
Metals (mg/kg wet weight)																	
Aluminum	2.03	7.64	3.73	0.84	<0.40	<0.40	1.94	24.8	0.73	0.44	0.48	0.55	0.72	0.45	0.67	2.25	0.67
Antimony	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Arsenic	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.029	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0042	<0.0040
Barium	2.03	1.84	0.579	1.24	0.475	0.59	0.628	1.47	0.263	1.18	1.22	0.584	0.481	2.21	1.84	1.01	0.772
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Boron	1.47	1.6	0.73	1.86	1.45	1.45	0.81	0.91	1.61	1.14	1.86	0.86	2.51	2.38	1.84	1.77	1.21
Cadmium	<0.0020	<0.0020	<0.0020	0.0134	0.0037	0.0035	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0066	<0.0020	<0.0020	<0.0020	<0.0010
Calcium	185	232	62.3	147	143	169	89.8	117	69.6	122	177	78.4	133	213	191	125	97.4
Cesium	0.0035	<0.0010	<0.0010	<0.0010	<0.0010	0.0021	0.0012	0.0015	<0.0010	0.0093	<0.0010	<0.0010	<0.0010	0.0166	0.012	0.0015	0.0015
Chromium	2.1	0.854	5.3	7.4	0.789	2.3	2.48	5.91	0.46	1.44	4.45	2.49	0.247	<0.020	8.59	9.89	<0.010
Cobalt	0.0382	0.0221	0.0856	0.0511	0.0177	0.0417	0.0414	0.113	0.0173	0.0232	0.072	0.045	<0.0040	0.0056	0.0524	0.0658	<0.0040
Copper	0.697	0.77	0.702	0.747	0.517	0.459	0.806	1.24	0.436	0.938	0.843	0.697	0.843	1.52	1.43	3.04	0.876
Gallium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0097	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	-
Iron	11.9	8.96	29.4	36.8	5.16	12.4	14.9	230	3.66	8.53	22.6	13.4	3.31	2.89	39.5	52.1	1.88
Lead	<0.0040	<0.0040	0.0174	0.005	0.0056	<0.0040	<0.0040	0.0277	<0.0040	<0.0040	<0.0040	<0.0040	0.0807	0.0044	0.0059	0.0079	<0.0040
Lithium	<0.020	0.032	0.038	<0.020	<0.020	<0.020	<0.020	0.025	<0.020	<0.020	<0.020	<0.020	0.029	0.042	0.033	<0.020	<0.10
Magnesium	76.3	86	52.3	91.9	73.2	75.4	52.6	73.2	77.2	64.6	98.1	61.3	74.6	129	117	84.9	76.3
Manganese	53.3	23.2	7.15	14	1.86	3.06	1.97	12	1.58	6.21	62.3	8.62	16.4	4.87	5.06	5.04	3.71
Mercury	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0125	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Molybdenum	0.165	0.064	0.313	0.181	0.0422	0.113	0.151	0.287	0.0282	0.0807	0.259	0.123	0.0838	<0.0040	0.198	0.241	0.0103
Nickel	1.31	0.704	3.09	4.01	0.532	1.38	1.49	3.43	0.346	0.898	2.58	1.49	0.297	0.157	4.4	5.32	0.06
Phosphorus	135	154	103	184	113	119	114	143	186	134	182	128	159	285	237	218	158
Potassium	895	1120	1060	1230	1240	1250	1060	1140	1380	994	994	1090	793	1660	1530	1210	1350
Rhenium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	-
Rubidium	2.2	1.16	0.62	1.9	0.943	2.76	3.32	2.38	0.934	3.56	0.89	2.15	0.737	7.00	5.26	3.1	2.6
Selenium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.010
Silver	<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	-
Sodium	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<200	<200	<20	7.3
Strontium	0.19	0.313	0.113	0.154	0.16	0.189	0.087	0.353	0.137	0.184	0.415	0.123	0.271	0.421	0.383	0.272	0.113
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00048	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Thorium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0128	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	-
Tin	0.316	0.386	0.329	0.417	0.19	0.151	0.453	0.162	0.0816	0.0967	0.453	0.149	0.697	<0.0040	0.932	0.479	0.084
Titanium	<0.010	0.223	0.161	0.019	<0.010	<0.010	0.096	0.719	0.014	0.012	<0.010	0.017	0.014	0.013	0.016	0.128	-
Uranium	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.0057	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Vanadium	0.0142	0.0158	0.0412	0.0273	0.0059	0.0157	0.0198	0.0986	<0.0040	0.0101	0.0272	0.0169	<0.0040	<0.0040	0.0296	0.0428	<0.020
Yttrium	<0.0020	0.0021	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0407	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	-
Zinc	1.28	1.43	0.7	2	1.89	1.92	1.01	1.17	1.7	1.19	1.84	1.15	3.55	2.77	2.34	1.98	0.98
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

Sample CFW2-B-ARCTRUB was mislabelled and is actually Arctostaphylos alpina, and is the duplicate to CFW2 collected on the same date.

Berry sample CWF1 was mislabelled and is actually CFW1-B (thus a duplicate to CFW1-A).

(-) = not available

Appendix V6-5D. Concentrations of Contaminants of Potential Concern in Vegetation Samples Collected during the Baseline Monitoring Program

Species	Crowberry (*Empetrum nigrum*)																	
Sample ID	**REFA-02**	**REFA-03**	**REFB-01**	**REFB-02**	**REFB-03**	**REFC-01**	**REFC-02**	**REFC-03**	**LSA-01**	**LSA-02**	**LSA-03**	**LSA-04**	**LSA-05**	**LSA-06**	**LSA-07A**	**LSA-07B**	**LSA-08**	**LSA-09A**
Date Sampled	**12-AUG-14**	**12-AUG-14**	**12-AUG-14**	**12-AUG-14**	**12-AUG-14**	**13-AUG-14**	**13-AUG-14**	**13-AUG-14**	**12-AUG-14**	**13-AUG-14**	**13-AUG-14**	**16-AUG-14**	**15-AUG-14**	**15-AUG-14**	**15-AUG-14**	**15-AUG-14**	**15-AUG-14**	**14-AUG-14**
ALS Sample ID	**L1505021-2**	**L1505021-3**	**L1505021-4**	**L1505021-5**	**L1505021-6**	**L1505021-7**	**L1505021-8**	**L1505021-9**	**L1505021-10**	**L1505021-11**	**L1505021-12**	**L1505021-13**	**L1505021-14**	**L1505021-15**	**L1505021-16**	**L1505021-17**	**L1505021-18**	**L1505021-19**
% Moisture	79.3	82.5	81.1	82.5	77.4	83.7	80.4	85.1	86.8	80	83.7	84.3	82.6	83	80.7	79.8	81.3	83.1
Metals (mg/kg wet weight)																		
Aluminum	0.5	<0.40	1.35	<0.40	0.66	1.82	37.3	0.41	0.95	0.99	1.03	0.64	0.49	0.83	0.47	<0.40	5.24	1.75
Antimony	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Arsenic	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Barium	0.948	0.916	0.953	0.736	1.16	0.875	1.03	0.495	0.78	1.89	0.995	0.928	2.83	1.47	1.31	1.13	1.11	0.886
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Bismuth	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Boron	1.96	1.3	1.77	1.05	2.12	1.36	1.5	0.9	1.17	1.56	1.51	1.03	1.31	1.73	1.91	2	1.5	1.46
Cadmium	<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
Calcium	129	122	144	120	167	132	169	79.5	98.8	174	130	124	195	170	184	159	138	139
Cesium	0.0017	0.0041	0.0019	0.0111	0.0078	0.0453	0.0041	0.0032	<0.0010	0.0164	<0.0010	0.0018	0.0323	0.0128	0.0081	0.0073	0.011	0.0033
Chromium	<0.010	<0.010	0.015	<0.010	<0.010	<0.010	0.123	<0.010	0.012	<0.010	<0.010	0.014	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cobalt	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0267	<0.0040	<0.0040	<0.0040	0.0047	<0.0040	0.005	<0.0040	<0.0040	<0.0040	0.0065	0.0061
Copper	1.05	1.14	1.11	0.831	1.46	0.725	1.15	0.808	0.74	1.18	0.956	0.91	1.31	1.07	0.956	1.09	1.28	0.862
Gallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	2.02	2.2	2.68	1.5	2.37	3.18	52.3	1.17	2.34	3.28	2.26	2.2	2.17	1.91	1.83	1.75	5.07	3.33
Lead	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Lithium	<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
Magnesium	106	92.5	106	80.3	107	75.3	115	67.4	67.4	117	87.4	71.9	83.1	94.2	94.8	92.7	82.6	95.1
Manganese	6.46	3.82	8.19	2.68	6.21	3.31	6.39	4.52	2.06	14	6.42	1.68	8.33	4.25	6.79	6.44	3.23	5.04
Mercury	<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
Molybdenum	0.0113	0.0117	<0.0040	<0.0040	0.006	0.0159	0.006	<0.0040	0.0248	<0.0040	0.0062	0.0098	0.0047	0.004	0.0142	0.0167	<0.0040	0.0099
Nickel	0.081	0.079	0.093	0.065	0.111	0.052	0.123	0.057	0.086	0.126	0.077	0.059	0.084	0.092	0.076	0.072	0.09	0.096
Phosphorus	219	197	224	165	211	188	221	145	152	200	182	107	158	156	169	177	150	186
Potassium	1640	1230	1610	1190	1540	1240	1560	1210	1210	1620	1380	1260	941	976	1250	1380	1140	1370
Rhenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubidium	2.46	5.01	3.16	3.95	4.16	3.17	4.85	3.94	1.62	5	1.94	3.72	4.47	3.98	5.2	5.88	5.3	3.54
Selenium	<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
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	8.7	11.3	12.1	6.1	7.6	5.8	6.8	6.3	8.8	13.1	6.3	9.6	6.9	6.8	6.6	6.1	7.8	8.6
Strontium	0.178	0.253	0.287	0.23	0.379	0.291	0.293	0.127	0.203	0.385	0.19	0.15	0.411	0.448	0.281	0.225	0.207	0.233
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Thorium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tin	0.088	0.037	0.04	0.043	0.04	0.029	0.045	0.043	0.083	<0.020	0.024	0.031	<0.020	0.046	0.023	0.023	0.034	0.029
Titanium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00093	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.121	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Yttrium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	1.46	1.23	1.45	0.96	2.07	1.3	1.27	0.81	0.92	1.56	1.15	1	1.19	1.32	1.3	1.41	1.19	1.18
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

Sample CFW2-B-ARCTRUB was mislabelled and is actually Arctostaphylos alpina, and is the duplicate to CFW2 collected on the same date.

Berry sample CWF1 was mislabelled and is actually CFW1-B (thus a duplicate to CFW1-A).

(-) = not available

Appendix V6-5D. Concentrations of Contaminants of Potential Concern in Vegetation Samples Collected during the Baseline Monitoring Program

Species	Crowberry (*Empetrum nigrum*)														Lichen (*Flavocetraria culcullata*)		
Sample ID	LSA-09B	LSA-10	LSA-11	LSA-12	LSA-13A	LSA-13B	LSA-14	LSA-15	LSA-16	LSA-17	LSA-18	LSA-19	LSA-20	LSA-21	D73 FLAVOCETRARIA CUCULLATA	D82 FLAVOCETRARIA CUCULLATA	D114 FLAVOCETRARIA CUCULLATA
Date Sampled	14-AUG-14	15-AUG-14	15-AUG-14	14-AUG-14	16-AUG-14	16-AUG-14	16-AUG-14	15-AUG-14	16-AUG-14	14-AUG-14	14-AUG-14	14-AUG-14	13-AUG-14	14-AUG-14	24-AUG-10	25-AUG-10	28-AUG-10
ALS Sample ID	L1505021-20	L1505021-21	L1505021-22	L1505021-23	L1505021-24	L1505021-25	L1505021-26	L1505021-27	L1505021-28	L1505021-29	L1505021-30	L1505021-31	L1505021-32	L1505021-33	L944854-1	L944854-2	L944854-3
% Moisture	83.2	81.7	80.6	83	82.4	83.7	83.2	85.4	82.9	83.1	81.3	83.1	81.3	82.7	8.06	11.7	35.9
Metals (mg/kg wet weight)																	
Aluminum	0.46	<0.40	0.71	<0.40	1.65	1.35	0.8	<0.40	1.05	<0.40	<0.40	0.85	0.86	<0.40	64.7	102	36.1
Antimony	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0037	0.0036	0.0031
Arsenic	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0385	0.0371	0.0242
Barium	0.784	1.57	1.92	1.22	1.13	1.08	0.917	1.12	0.816	0.771	1.47	0.701	1.26	1.36	8.32	6.37	3.65
Beryllium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0021	0.0049	<0.0020
Bismuth	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Boron	1.28	1.87	2.1	1.53	1.16	1.14	1.22	1.93	1.02	0.95	1.99	1.34	1.73	1.37	4.2	4.71	3.01
Cadmium	<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	0.0657	0.0365	0.042
Calcium	123	174	213	146	139	133	106	154	139	103	198	122	147	149	4410	1400	4650
Cesium	0.0036	0.0167	0.0149	0.006	0.0017	0.0015	0.0026	0.0068	0.0014	0.0031	0.0896	0.0035	0.0037	0.0086	0.0423	0.0215	0.0307
Chromium	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.024	<0.010	<0.010	<0.010	<0.010	<0.010	0.473	1.43	0.704
Cobalt	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0893	0.175	0.0522
Copper	0.815	1.11	1.29	1.15	0.936	0.959	0.796	1.2	0.887	0.75	1.25	0.734	1.09	0.858	0.707	0.835	0.571
Gallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0203	0.0288	0.0114
Iron	1.7	1.67	1.72	1.31	2.59	2.41	1.96	1.75	2.66	1.45	1.81	1.84	2.86	1.66	72.9	110	39.9
Lead	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.205	0.166	0.237
Lithium	<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	0.064	0.08	0.026
Magnesium	86.9	83.2	109	78.6	81.3	81	64.2	73.8	73.1	77.2	92.7	75.1	94.9	75.3	554	661	322
Manganese	4.32	5.01	3.95	4.57	3.22	3.31	3.98	7.47	4.66	4.03	4.97	5.56	3.33	4.19	41.3	84.3	34.1
Mercury	<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	0.0364	0.0341	0.0257
Molybdenum	0.0068	0.0047	0.0088	<0.0040	0.0061	0.0064	<0.0040	<0.0040	0.0129	0.38	0.0082	0.009	<0.0040	0.0066	0.0303	0.0352	0.0206
Nickel	0.083	0.06	0.131	0.057	0.072	0.072	0.102	0.077	0.052	0.091	0.073	0.068	0.085	0.072	0.473	0.772	0.394
Phosphorus	161	145	219	124	147	144	115	164	155	148	194	144	160	140	600	1010	350
Potassium	1240	1040	1190	1110	1340	1400	1050	1070	1150	1310	1060	1210	1440	1150	1450	2200	1240
Rhenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0020	<0.0020	<0.0020
Rubidium	3.73	4.98	3.2	2.97	2.99	3.01	2.64	2.5	1.34	4.62	3.22	3.1	3	3.9	5.81	4.75	3.73
Selenium	<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	0.049	0.04	0.04
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0039	0.0065	0.004
Sodium	7.8	9.1	9.2	4.7	9	8	14.2	5.8	12.4	5.4	7.8	6.2	9.9	8.9	<900	730	<600
Strontium	0.204	0.263	0.527	0.269	0.185	0.175	0.217	0.157	0.115	0.13	0.271	0.118	0.221	0.309	28.1	2.63	2.43
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00696	0.0147	0.00629
Thorium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0169	0.0431	0.0122
Tin	<0.020	0.032	0.043	0.048	0.048	0.041	0.034	0.061	0.04	0.046	0.034	0.05	0.045	0.04	0.0442	0.0205	0.0896
Titanium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.35	6.47	1.94
Uranium	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00483	0.0093	0.00273
Vanadium	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.166	0.227	0.0851
Yttrium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0482	0.071	0.0351
Zinc	1.05	1.33	1.87	1.22	1.05	1.05	1	1.49	1.1	0.81	1.76	0.96	1.3	1.01	28.8	25.3	13.9
Zirconium	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.054	0.135	<0.040

Notes:

Sample CFW2-B-ARCTRUB was mislabelled and is actually Arctostaphylos alpina, and is the duplicate to CFW2 collected on the same date.

Berry sample CWF1 was mislabelled and is actually CFW1-B (thus a duplicate to CFW1-A).

(-) = not available

Appendix V6-5D. Concentrations of Contaminants of Potential Concern in Vegetation Samples Collected during the Baseline Monitoring Program

Species	Lichen (*Flavocetraria culcullata*)															
Sample ID	023 FLAVOCETRARIA CUCULLATA	021 FLAVOCETRARIA CUCULLATA	010 FLAVOCETRARIA CUCULLATA	011 FLAVOCETRARIA CUCULLATA	024 FLAVOCETRARIA CUCULLATA	LICHEN 1 - F. CUCULATTA	LICHEN 2 - F. CUCULATTA	LICHEN 3 - F. CUCULATTA	LICHEN 4 - F. CUCULATTA	LICHEN 5 - F. CUCULATTA	LICHEN 6 - F. CUCULATTA	LICHEN 7 - F. CUCULATTA	LICHEN 8 - F. CUCULATTA	LICHEN 9 - F. CUCULATTA	LICHEN 10 - F. CUCULATTA	SITE 11 - F. CUCULATTA
Date Sampled	16-JUL-10	16-JUL-10	14-JUL-10	14-JUL-10	16-JUL-10	07-JUL-11	07-JUL-11	07-JUL-11	07-JUL-11	07-JUL-11	07-JUL-11	07-JUL-11	08-JUL-11	08-JUL-11	12-JUL-11	26-JUL-11
ALS Sample ID	L944854-4	L944854-5	L944854-6	L944854-7	L944854-8	L1039962-2	L1039962-4	L1039962-6	L1039962-8	L1039962-10	L1039962-12	L1039962-14	L1039962-16	L1039962-18	L1039962-20	L1039962-22
% Moisture	61.2	50.2	22.2	14.1	31.3	4.93	5.48	4.55	9.55	4.17	4.65	50.8	44.3	46.6	8.82	13.6
Metals (mg/kg wet weight)																
Aluminum	31.8	419	64.7	64.4	43.4	104	101	94.8	66.3	93.1	52.9	59.7	111	44.9	26.2	78.2
Antimony	0.0033	0.0089	0.0041	0.0041	0.0046	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Arsenic	0.0167	0.0699	0.0357	0.0412	0.0381	0.142	0.059	0.084	0.052	0.053	0.066	0.027	0.039	0.039	0.04	0.053
Barium	1.56	2.41	6.53	6.91	1.97	5.89	6.41	9.4	5.09	11.2	14.5	8.13	3.35	8.12	13.2	8.57
Beryllium	<0.0020	0.0064	0.0028	0.0034	<0.0020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Bismuth	<0.0020	0.0023	<0.0020	<0.0020	<0.0020	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Boron	2.71	2.04	3.71	2.75	6.91	-	-	-	-	-	-	-	-	-	-	-
Cadmium	0.015	0.0264	0.0313	0.0399	0.0855	0.0654	0.0515	0.169	0.0328	0.0725	0.0759	0.0351	0.0304	0.0433	0.153	0.0218
Calcium	991	4470	1490	1290	27700	2890	1860	7100	1760	3140	2680	2100	1660	3170	6820	971
Cesium	0.005	0.0163	0.0453	0.0657	0.0076	-	-	-	-	-	-	-	-	-	-	-
Chromium	0.36	3.65	0.531	0.361	0.585	4.06	10.7	1.9	5.77	1.21	1.18	1.05	4.53	1.22	0.58	1.68
Cobalt	0.042	0.468	0.157	0.14	0.0359	0.17	0.254	0.172	0.183	0.123	0.248	0.13	0.207	0.17	0.098	0.065
Copper	0.353	1.63	0.748	0.775	1.24	2.33	2.3	0.905	2.15	0.926	0.818	0.479	1.13	1.41	0.93	0.821
Gallium	0.0109	0.142	0.018	0.0189	0.0144	-	-	-	-	-	-	-	-	-	-	-
Iron	40.6	785	65.5	61.9	60.5	149	163	92.7	88.1	81.9	40.2	58.1	158	59.3	28.5	70.6
Lead	0.0729	0.251	0.194	0.2	0.281	0.196	0.214	0.619	0.209	0.1	0.094	0.158	0.122	0.107	0.197	0.201
Lithium	0.029	0.314	0.042	0.043	0.023	<0.10	0.16	<0.10	<0.10	<0.10	<0.20	<0.10	<0.20	<0.10	<0.10	<0.20
Magnesium	388	945	471	699	288	760	665	1010	535	956	1670	645	515	810	829	362
Manganese	51.8	38.5	50	57.3	6.05	112	73.8	47.6	97.8	64.9	105	53.5	34.4	55.6	140	69.8
Mercury	0.0104	0.0234	0.0404	0.0387	0.0213	0.0439	0.0719	0.0473	0.0405	0.0015	<0.0010	0.0216	0.0262	0.0173	0.0472	0.0249
Molybdenum	0.0231	0.0518	0.0213	0.0243	0.0267	0.083	0.084	0.044	0.062	0.057	0.036	0.021	0.041	0.024	0.039	0.033
Nickel	0.249	1.93	0.45	0.346	0.41	1.86	4.96	0.84	2.62	0.53	0.58	0.45	2.03	0.63	0.45	0.79
Phosphorus	240	400	590	850	230	1020	782	333	401	463	595	272	466	312	553	380
Potassium	730	1020	1590	1880	1070	2450	1980	1240	1550	1360	1500	713	980	900	1760	1450
Rhenium	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	-	-	-	-	-	-	-	-	-	-	-
Rubidium	0.468	0.623	4.56	7.76	1.12	-	-	-	-	-	-	-	-	-	-	-
Selenium	<0.020	0.03	0.058	0.037	0.029	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Silver	0.0032	0.0073	0.005	0.006	0.0052	0.011	0.013	0.01	0.013	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Sodium	<400	<500	<700	810	<700	860	830	312	790	472	610	235	525	289	510	475
Strontium	1.95	4.42	2.85	3.08	9.66	5.9	5.6	23.3	5.09	13.8	17.8	6.15	3.93	10.4	11.4	2.5
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	-	-	-	-	-	-	-	-	-	-	-
Thallium	0.00151	0.00256	0.014	0.02	0.00109	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Thorium	0.014	0.0745	0.0237	0.0179	0.0179	-	-	-	-	-	-	-	-	-	-	-
Tin	0.0147	0.0206	0.0183	0.0355	0.0225	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Titanium	2.01	28.3	3.99	2.83	2.68	7.2	8.2	5.87	4.1	6.1	2.17	4.7	6.70	3.21	2.4	3.81
Uranium	0.00253	0.0112	0.00449	0.00444	0.00543	0.0078	0.0095	0.061	0.0088	0.0515	<0.0020	0.0595	0.0156	0.005	0.0041	0.0099
Vanadium	0.0939	2.08	0.144	0.133	0.159	0.32	0.32	0.24	0.18	0.17	0.1	0.17	0.42	0.16	<0.10	0.16
Yttrium	0.0198	0.258	0.0359	0.0296	0.117	-	-	-	-	-	-	-	-	-	-	-
Zinc	9.78	13.3	18.3	27.8	11.8	23.2	23.1	18.8	21	24.2	34.8	15.2	22.4	19.7	27	16.8
Zirconium	0.046	0.198	0.056	0.06	0.05	-	-	-	-	-	-	-	-	-	-	-

Notes:

Sample CFW2-B-ARCTRUB was mislabelled and is actually Arctostaphylos alpina, and is the duplicate to CFW2 collected on the same date.

Berry sample CWF1 was mislabelled and is actually CFW1-B (thus a duplicate to CFW1-A).

(-) = not available

Appendix V6-5D. Concentrations of Contaminants of Potential Concern in Vegetation Samples Collected during the Baseline Monitoring Program

Species	Lichen (*Flavocetraria culcullata*)				Lichen (*Flavocetraria nivalis*)									
Sample ID	SITE 12 - F. CUCULATTA	SITE 13 - F. CUCULATTA	SITE 14 - F CUCULATTA.	SITE 15 - F. CUCULATTA	D63 FLAVOCETRARIA NIVALIS	D65 FLAVOCETRARIA NIVALIS	D62 FLAVOCETRARIA NIVALIS	D89 FLAVOCETRARIA NIVALIS	D97 FLAVOCETRARIA NIVALIS	D93 FLAVOCETRARIA NIVALIS	D116 FLAVOCETRARIA NIVALIS	D86 FLAVOCETRARIA NIVALIS	D114 FLAVOCETRARIA NIVALIS	D125 FLAVOCETRARIA NIVALIS
Date Sampled	26-JUL-11	26-JUL-11	26-JUL-11	26-JUL-11	23-AUG-10	23-AUG-10	23-AUG-10	26-AUG-10	26-AUG-10	26-AUG-10	28-AUG-10	25-AUG-10	28-AUG-10	29-AUG-10
ALS Sample ID	L1039962-24	L1039962-26	L1039962-28	L1039962-30	L944854-9	L944854-10	L944854-11	L944854-12	L944854-13	L944854-14	L944854-15	L944854-16	L944854-17	L944854-18
% Moisture	11.6	10.4	11.2	19.3	18.8	9.51	35.8	18.1	11.4	17.1	15.8	9.85	36.4	16.2
Metals (mg/kg wet weight)														
Aluminum	110	81.8	47.6	98.6	38.7	39.9	60.7	22.1	35.9	38	30.3	26.3	21.3	39.6
Antimony	<0.010	<0.010	<0.010	<0.010	0.0028	0.0025	0.0054	0.002	0.0027	0.0022	0.0037	0.0028	0.0031	0.0031
Arsenic	0.075	0.057	0.041	0.07	0.0231	0.0333	0.103	0.0277	0.0368	0.023	0.0308	0.0395	0.0208	0.0297
Barium	8.43	12.1	16.9	12.8	11.1	20.9	13.9	6.28	14.5	5.77	20.4	13.3	8.65	10.7
Beryllium	<0.10	<0.10	<0.10	<0.10	0.0025	0.003	0.0043	<0.0020	0.0026	<0.0020	0.0034	<0.0020	<0.0020	0.0031
Bismuth	<0.030	<0.030	<0.030	<0.030	<0.0020	<0.0020	0.0022	<0.0020	0.0021	<0.0020	<0.0020	<0.0020	<0.0020	0.0031
Boron	-	-	-	-	2.25	5.76	4.55	4.91	6.38	5.37	3.56	6.86	3.3	3.41
Cadmium	0.016	0.0779	0.0433	0.0986	0.0614	0.0649	0.05	0.115	0.0629	0.0942	0.0675	0.0478	0.0687	0.0696
Calcium	326	2680	2400	3080	3670	5010	4570	12600	5500	4910	3250	3760	4630	4680
Cesium	-	-	-	-	0.0286	0.0346	0.0191	0.0327	0.0128	0.0847	0.0343	0.0276	0.0193	0.0344
Chromium	4.81	1.38	1.04	1.61	0.454	0.587	0.683	0.29	0.421	0.252	0.287	0.553	1.1	0.496
Cobalt	0.135	0.177	0.093	0.185	0.144	0.205	0.24	0.0283	0.142	0.129	0.14	0.0721	0.073	0.104
Copper	1.23	0.683	0.611	1.86	0.561	0.631	0.701	0.649	0.592	0.512	0.569	0.697	0.533	0.616
Gallium	-	-	-	-	0.0134	0.014	0.0168	0.0066	0.0076	0.0082	0.0089	0.0079	0.0067	0.0107
Iron	149	68.5	36.1	106	42.6	48.8	87.9	27	42	30.8	32.9	28.3	28.8	46
Lead	0.117	0.311	0.27	0.603	0.365	0.32	0.393	0.197	0.303	0.348	0.297	0.185	0.24	0.389
Lithium	<0.20	<0.10	<0.10	<0.20	<0.020	<0.020	0.037	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Magnesium	447	911	674	897	968	818	683	585	834	851	748	768	561	579
Manganese	37.6	54.9	81	40.8	88.6	112	92.7	54.2	113	51.5	86.4	145	87	41.7
Mercury	<0.0010	0.0236	0.0066	0.037	0.0326	0.0372	0.0238	0.0253	0.032	0.0262	0.028	0.036	0.0267	0.0323
Molybdenum	0.049	0.033	0.03	0.038	0.026	0.0251	0.0251	0.0261	0.0257	0.0225	0.0271	0.0238	0.0352	0.0468
Nickel	2.01	0.68	0.43	0.89	0.335	0.607	0.578	0.224	0.369	0.351	0.273	0.329	0.606	0.358
Phosphorus	450	300	419	235	520	380	270	310	340	330	490	540	280	360
Potassium	1520	1240	1500	962	1560	1710	1030	1210	1390	1170	1590	1900	1120	1200
Rhenium	-	-	-	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Rubidium	-	-	-	-	3.58	4.5	2.66	2.92	2.33	5.35	3.99	3.28	2.85	3.71
Selenium	<0.20	<0.20	<0.20	<0.20	0.06	0.075	<0.020	0.04	0.034	<0.020	0.038	0.053	0.029	0.047
Silver	<0.010	<0.010	<0.010	<0.010	0.0104	0.0081	0.0089	0.005	0.007	0.0056	0.0069	0.0047	0.0031	0.0104
Sodium	528	324	339	264	<700	<900	<600	<700	<900	<800	<800	<800	<700	<800
Strontium	2.97	11.5	6.04	13.6	7.82	10.4	10.8	9.93	9.92	6.52	7.93	4.3	5.35	7.79
Tellurium	-	-	-	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.016	<0.010	<0.010	<0.010	0.00464	0.0138	0.00441	0.00141	0.00378	0.00201	0.00839	0.00686	0.00323	0.00582
Thorium	-	-	-	-	0.0112	0.0146	0.0257	0.0103	0.0372	0.0081	0.0116	0.0068	0.0123	0.0127
Tin	<0.050	<0.050	<0.050	<0.050	0.0158	0.0186	0.0238	0.0194	0.0445	0.0302	0.0144	0.0297	0.026	0.0271
Titanium	7.88	5.18	2.46	6.22	3.29	2.64	5.84	1.51	3.5	1.57	1.99	1.42	1.44	2.45
Uranium	<0.0020	0.0145	0.0095	0.0265	0.00236	0.00851	0.00949	0.00191	0.00442	0.0019	0.00272	0.00223	0.00203	0.00497
Vanadium	0.28	0.17	0.1	0.24	0.105	0.13	0.179	0.0596	0.103	0.0624	0.07	0.065	0.0568	0.124
Yttrium	-	-	-	-	0.0713	0.173	0.314	0.0277	0.155	0.0475	0.03	0.0197	0.0413	0.0708
Zinc	19.4	23.4	20.1	18	30.6	23.4	16.1	14.4	19.9	14.8	23.3	26	17.3	15.5
Zirconium	-	-	-	-	<0.040	<0.040	0.166	<0.040	0.051	<0.040	<0.040	<0.040	<0.040	<0.040

Notes:

Sample CFW2-B-ARCTRUB was mislabelled and is actually Arctostaphylos alpina, and is the duplicate to CFW2 collected on the same date.

Berry sample CWF1 was mislabelled and is actually CFW1-B (thus a duplicate to CFW1-A).

(-) = not available

Appendix V6-5D. Concentrations of Contaminants of Potential Concern in Vegetation Samples Collected during the Baseline Monitoring Program

Species	Lichen (*Flavocetraria nivalis*)																
Sample ID	LICHEN 1 - F. NIVALIS	LICHEN 2 - F. NIVALIS	LICHEN 3 - F. NIVALIS	LICHEN 4 - F. NIVALIS	LICHEN 5 - F. NIVALIS	LICHEN 6 - F. NIVALIS	LICHEN 7 - F. NIVALIS	LICHEN 8 - F. NIVALIS	LICHEN 9 - F. NIVALIS	LICHEN 10 - F. NIVALIS	SITE 11 - F. NIVALIS	SITE 12 - F. NIVALIS	SITE 13 - F. NIVALIS	SITE 14 - F. NIVALIS	SITE 15 - F. NIVALIS	REFA-01	REFA-02
Date Sampled	07-JUL-11	07-JUL-11	07-JUL-11	07-JUL-11	07-JUL-11	07-JUL-11	07-JUL-11	08-JUL-11	08-JUL-11	12-JUL-11	26-JUL-11	26-JUL-11	26-JUL-11	26-JUL-11	26-JUL-11	12-AUG-14	12-AUG-14
ALS Sample ID	L1039962-1	L1039962-3	L1039962-5	L1039962-7	L1039962-9	L1039962-11	L1039962-13	L1039962-15	L1039962-17	L1039962-19	L1039962-21	L1039962-23	L1039962-25	L1039962-27	L1039962-29	L1505032-1	L1505032-2
% Moisture	5.62	6.02	7.69	4.27	7.2	5.01	49.3	41.5	43.7	9.12	14	11.5	11.3	11.7	22.2	11.7	12.5
Metals (mg/kg wet weight)																	
Aluminum	41.4	47.8	81.3	63.7	73.4	69.5	64.1	44.9	104	56.3	45.8	80.7	97.6	75.9	121	74.9	174
Antimony	<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	0.0034	0.0037
Arsenic	0.086	0.066	0.077	0.072	0.043	0.056	0.022	0.03	0.036	0.042	0.041	0.064	0.051	0.046	0.069	0.0383	0.0499
Barium	6.23	12.8	5.65	13.8	6.16	5.25	3.47	5.76	3.66	5.57	15.4	16	5.72	9.49	7.21	13.2	11.2
Beryllium	<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	0.0031	0.0069
Bismuth	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.002	0.003
Boron	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.71	0.67
Cadmium	0.0916	0.136	0.0536	0.0954	0.04	0.0429	0.0129	0.0614	0.0208	0.0835	0.0635	0.0731	0.0264	0.0185	0.0361	0.062	0.0865
Calcium	2860	6050	2080	3890	1920	1860	687	2910	1180	3170	2940	2430	981	1690	1320	3750	4030
Cesium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0357	0.0379
Chromium	1.9	1.06	4.65	1.19	5.88	3.61	2.83	0.6	4.02	2.14	2.02	1.59	7.1	3.82	4.73	0.158	0.429
Cobalt	0.163	0.292	0.148	0.159	0.189	0.163	0.1	0.102	0.145	0.109	0.113	0.122	0.163	0.107	0.153	0.144	0.176
Copper	0.958	0.805	1.93	0.823	1.18	1.35	0.797	0.49	0.939	1.93	1.42	0.713	1.91	1.5	1.58	0.747	0.979
Gallium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75.6	184
Iron	60.1	52.1	111	58.4	101	88.3	79.5	42.7	131	63.6	43	63.1	140	89.5	154	-	-
Lead	0.254	0.377	0.203	0.365	0.162	0.28	0.09	0.158	0.089	0.126	0.255	0.613	0.148	0.15	0.417	0.268	0.439
Lithium	<0.10	<0.10	<0.10	<0.10	0.13	0.12	<0.10	<0.10	<0.10	0.19	<0.10	<0.10	<0.10	0.15	0.13	<0.10	0.22
Magnesium	881	1110	545	855	556	779	403	742	473	562	649	768	402	456	453	1050	1350
Manganese	106	75.4	55	77	65.8	47.6	37.1	55.6	28.6	82.5	114	63.8	58.1	54.8	30.2	103	86.9
Mercury	0.0334	0.0537	0.0576	0.0256	0.0403	0.0325	0.0214	0.024	0.0233	0.0502	0.0136	0.0019	0.0351	0.0238	0.0331	0.0443	0.0549
Molybdenum	0.034	0.028	0.053	0.032	0.083	0.042	0.025	0.018	0.032	0.041	0.034	0.03	0.061	0.047	0.052	0.0257	0.0467
Nickel	0.92	0.57	2.1	0.51	2.7	1.65	1.43	0.28	1.72	1.05	0.85	0.84	3.11	1.66	2.24	0.202	0.443
Phosphorus	503	472	590	332	678	831	470	263	399	601	341	246	572	660	362	644	507
Potassium	1500	1550	2020	1310	1940	2050	981	921	1190	2020	1340	1210	2010	2330	1540	1630	1380
Rhenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubidium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2.6
Selenium	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.063	0.07
Silver	0.012	0.012	0.01	0.01	0.011	0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	-	-
Sodium	500	396	950	338	980	1210	416	325	419	690	345	297	650	640	490	431	371
Strontium	7.29	19.2	6.24	13.6	4.99	6.17	1.76	8.39	3.07	4.48	10.2	9.3	3	3.13	5.41	9.83	13
Tellurium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0040	<0.0040
Thallium	<0.010	<0.010	<0.010	<0.010	0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.01	<0.010	0.011	<0.010	0.00437	0.00544
Thorium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tin	<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	<0.050	<0.050	<0.020	<0.020
Titanium	3.6	3.19	6.1	3.76	4.9	4.7	3.97	2.9	6.77	3.8	2.79	3.58	7.6	6.9	9.5	-	-
Uranium	0.0038	0.0086	0.0226	0.0061	0.0468	0.0173	0.0041	0.0163	0.0095	0.0056	0.0043	0.0091	0.012	0.017	0.0117	0.00852	0.035
Vanadium	0.14	0.11	0.22	0.14	0.18	0.17	0.19	0.12	0.34	0.13	<0.10	0.16	0.25	0.17	0.31	0.2	0.457
Yttrium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	26.1	17.2	21.4	22.5	21.8	23.7	17.3	24.1	16.6	27	22.7	21.4	18.9	16.2	14.6	23.3	19.6
Zirconium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.074	0.178

Notes:

Sample CFW2-B-ARCTRUB was mislabelled and is actually Arctostaphylos alpina, and is the duplicate to CFW2 collected on the same date.

Berry sample CWF1 was mislabelled and is actually CFW1-B (thus a duplicate to CFW1-A).

(-) = not available

Appendix V6-5D. Concentrations of Contaminants of Potential Concern in Vegetation Samples Collected during the Baseline Monitoring Program

Species	Lichen (*Flavocetraria nivalis*)																
Sample ID	**REFA-03**	**REFB-01**	**REFB-02**	**REFB-03**	**REFC-01**	**REFC-02**	**REFC-03**	**LSA-01**	**LSA-02**	**LSA-03**	**LSA-04**	**LSA-05**	**LSA-06**	**LSA-07A**	**LSA-07B**	**LSA-08**	**LSA-09A**
Date Sampled	**12-AUG-14**	**12-AUG-14**	**12-AUG-14**	**12-AUG-14**	**13-AUG-14**	**13-AUG-14**	**13-AUG-14**	**12-AUG-14**	**13-AUG-14**	**13-AUG-14**	**16-AUG-14**	**15-AUG-14**	**15-AUG-14**	**15-AUG-14**	**15-AUG-14**	**15-AUG-14**	**14-AUG-14**
ALS Sample ID	**L1505032-3**	**L1505032-4**	**L1505032-5**	**L1505032-6**	**L1505032-7**	**L1505032-8**	**L1505032-9**	**L1505032-10**	**L1505032-11**	**L1505032-12**	**L1505032-13**	**L1505032-14**	**L1505032-15**	**L1505032-16**	**L1505032-17**	**L1505032-18**	**L1505032-19**
% Moisture	12.3	12.5	12.9	12.9	12.5	12.9	12.1	12.6	11.9	13.1	12.1	12.9	13.3	10.9	12.9	11.5	11.7
Metals (mg/kg wet weight)																	
Aluminum	163	115	129	77.4	45.4	101	108	156	165	213	240	227	92.3	305	150	142	531
Antimony	0.0037	0.0039	0.0035	0.0029	<0.0020	0.0025	0.0027	0.004	0.0051	0.0045	0.0034	0.0041	0.0035	0.0117	0.0064	0.0023	0.0038
Arsenic	0.0505	0.0781	0.06	0.0467	0.0383	0.0488	0.0584	0.0674	0.0719	0.0713	0.0887	0.205	0.061	0.162	0.0927	0.0548	0.292
Barium	10.3	14.3	12.3	11.5	11.3	8.89	13.3	4.38	2.19	14.9	3.55	3.23	2.78	10	8.14	11.4	11.8
Beryllium	0.0044	0.0069	0.0096	0.0044	0.0024	0.006	0.005	0.0038	0.0036	0.0047	0.0051	0.0065	0.0049	0.0111	0.0065	0.0043	0.0096
Bismuth	0.0028	0.0043	0.0032	0.0031	0.0021	0.0031	0.0028	0.0025	0.0037	0.0037	0.0049	0.0053	0.0045	0.0058	0.0031	0.0031	0.0046
Boron	0.85	1.09	0.51	0.36	0.33	0.54	0.46	0.86	0.59	0.59	0.61	0.66	0.58	0.93	0.5	0.57	0.78
Cadmium	0.0493	0.0917	0.116	0.0924	0.0954	0.0645	0.102	0.0541	0.0631	0.0885	0.096	0.0857	0.063	0.1	0.0784	0.226	0.115
Calcium	2820	4900	5090	4440	3640	4490	4690	11400	11800	6350	14400	9090	2020	9560	7160	5680	12900
Cesium	0.0291	0.044	0.0803	0.0433	0.0858	0.0299	0.0553	0.0188	0.0261	0.0222	0.0334	0.0378	0.0228	0.0432	0.0357	0.0329	0.0489
Chromium	0.301	0.219	0.209	0.133	0.067	0.242	0.185	0.508	0.751	0.752	1.14	0.585	0.154	0.598	0.295	0.221	2.66
Cobalt	0.188	0.185	0.395	0.123	0.0804	0.18	0.182	0.124	0.193	0.286	0.341	0.31	0.0608	0.278	0.217	0.298	0.841
Copper	0.922	0.918	0.996	0.744	0.545	0.808	0.706	1.13	1.39	1.17	2.13	1.97	0.597	1.87	0.944	1.53	2.8
Gallium	211	131	161	75.9	36.4	141	137	197	255	284	304	355	85.6	394	177	144	970
Iron	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	0.365	0.641	0.675	0.669	0.283	0.328	0.413	0.287	0.46	0.606	0.652	0.787	0.736	0.729	0.504	0.462	0.512
Lithium	0.15	0.11	0.17	<0.10	<0.10	0.12	0.11	0.14	0.12	0.15	0.18	0.12	<0.10	0.27	0.14	<0.10	0.37
Magnesium	984	913	1090	842	920	1080	1080	1130	821	1370	653	573	613	754	785	876	783
Manganese	114	94.9	56.1	58.7	78.7	87.7	61.4	21.9	20.4	108	23.1	29.6	22.4	48.2	41.4	62	42.3
Mercury	0.0606	0.0666	0.0689	0.0443	0.0388	0.0484	0.0468	0.0595	0.0595	0.0618	0.0545	0.106	0.106	0.0749	0.0737	0.0431	0.0495
Molybdenum	0.0379	0.0296	0.0249	0.0361	0.0266	0.0366	0.024	0.0556	0.0297	0.0314	0.0368	0.0397	0.0321	0.0705	0.0317	0.0343	0.0501
Nickel	0.288	0.284	0.4	0.221	0.127	0.254	0.242	0.383	0.439	0.536	0.996	0.575	0.22	0.622	0.382	0.431	1.45
Phosphorus	457	356	374	288	342	418	404	354	304	564	308	355	525	419	353	514	392
Potassium	1280	1170	1200	1150	1130	1260	1200	1240	1100	1460	1090	985	1140	1170	1150	1520	1210
Rhenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubidium	2.7	2.95	4.53	2.97	3.82	2.57	3.57	1.5	1.63	2.25	2.23	1.87	1.88	3.24	3.69	4.65	3.99
Selenium	0.065	0.079	0.072	0.066	0.066	0.083	0.085	0.062	0.109	0.07	0.077	0.097	0.059	0.08	0.069	0.054	0.079
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	446	262	319	357	366	417	361	341	338	532	364	381	509	280	312	524	304
Strontium	8.86	14.5	19.7	16.8	10.3	13.6	14.3	25.1	12.3	19.5	13	7.46	5.46	18.7	15.1	8.69	15.2
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.00594	0.011	0.00681	0.0047	0.00459	0.00453	0.00565	0.00244	0.0028	0.00334	0.00421	0.00412	0.00399	0.00554	0.00413	0.00455	0.00484
Thorium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tin	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	0.0161	0.0263	0.0433	0.0167	0.0147	0.0342	0.00802	0.0104	0.00581	0.0221	0.0109	0.00737	0.00991	0.023	0.027	0.00706	0.0224
Vanadium	0.459	0.325	0.377	0.184	0.1	0.305	0.314	0.52	0.685	0.84	0.902	0.887	0.197	0.729	0.37	0.365	2.49
Yttrium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	18.9	19.9	20.6	16.1	23.5	18.9	22.8	15.5	10.3	24.8	13.3	13.6	13.6	20.2	17.7	28.3	20.4
Zirconium	0.156	0.111	0.122	0.077	0.067	0.155	0.12	0.181	0.119	0.148	0.187	0.128	0.113	0.381	0.193	0.103	0.298

Notes:

Sample CFW2-B-ARCTRUB was mislabelled and is actually Arctostaphylos alpina, and is the duplicate to CFW2 collected on the same date.

Berry sample CWF1 was mislabelled and is actually CFW1-B (thus a duplicate to CFW1-A).

(-) = not available

Appendix V6-5D. Concentrations of Contaminants of Potential Concern in Vegetation Samples Collected during the Baseline Monitoring Program

Species	Lichen (*Flavocetraria nivalis*)													
Sample ID	**LSA-09B**	**LSA-10**	**LSA-11**	**LSA-12**	**LSA-13A**	**LSA-13B**	**LSA-14**	**LSA-15**	**LSA-16**	**LSA-17**	**LSA-18**	**LSA-19**	**LSA-20**	**LSA-21**
Date Sampled	**14-AUG-14**	**15-AUG-14**	**15-AUG-14**	**14-AUG-14**	**16-AUG-14**	**16-AUG-14**	**16-AUG-14**	**15-AUG-14**	**16-AUG-14**	**14-AUG-14**	**14-AUG-14**	**14-AUG-14**	**13-AUG-14**	**14-AUG-14**
ALS Sample ID	**L1505032-20**	**L1505032-21**	**L1505032-22**	**L1505032-23**	**L1505032-24**	**L1505032-25**	**L1505032-26**	**L1505032-27**	**L1505032-28**	**L1505032-29**	**L1505032-30**	**L1505032-31**	**L1505032-32**	**L1505032-33**
% Moisture	12.3	11.7	13.1	12.5	12.4	9.16	11.4	10.8	12.4	11.4	12.6	12.6	11.6	10.9
Metals (mg/kg wet weight)														
Aluminum	216	175	92.5	250	405	151	257	1300	312	133	131	951	351	224
Antimony	0.0053	0.0031	0.0025	0.0047	0.0066	0.0036	0.0048	0.0152	0.0157	0.0042	0.0041	0.0049	0.0044	0.0038
Arsenic	0.145	0.0703	0.047	0.0722	0.137	0.1	0.0937	1.09	0.228	0.0736	0.0634	0.223	0.0657	0.142
Barium	12.9	7.27	9.31	6.69	5.01	2.71	5.46	5.47	2.56	18.9	9.19	5.21	7.77	6.95
Beryllium	0.0092	0.0087	0.0047	0.006	0.0103	0.0047	0.0074	0.0171	0.0065	0.0107	0.0037	0.0051	0.0079	0.0042
Bismuth	0.0034	0.0032	<0.0020	0.0052	0.0069	0.0035	0.005	0.0102	0.0068	0.004	0.0051	0.0038	0.0047	0.003
Boron	0.61	0.65	0.53	0.56	0.83	0.49	0.9	1.78	1.18	0.65	0.54	0.66	1	0.72
Cadmium	0.129	0.0748	0.0666	0.0992	0.0864	0.0739	0.15	0.202	0.0697	0.0947	0.12	0.0753	0.0767	0.108
Calcium	10300	11300	3040	4120	10800	9300	9500	15900	8120	6240	7220	10000	12000	12200
Cesium	0.0412	0.0401	0.0289	0.039	0.0446	0.029	0.0366	0.0885	0.0265	0.0465	0.135	0.0393	0.0298	0.0326
Chromium	0.487	0.453	0.17	0.319	1.17	0.482	0.782	16.4	1.64	0.273	0.289	4.93	0.919	1.64
Cobalt	0.389	0.182	0.182	0.431	0.601	0.225	0.44	2.58	0.529	0.278	0.447	1.2	0.354	0.46
Copper	1.91	1.55	0.942	2.82	2.54	1.17	2.74	5.06	2.93	1.28	1.76	1.99	2.29	2.97
Gallium	291	234	98.4	442	599	203	354	2200	461	180	167	1590	523	384
Iron	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	0.611	0.405	0.389	0.99	1.03	0.676	0.607	1.19	0.998	0.674	0.604	0.489	0.468	0.45
Lithium	0.21	0.17	<0.10	0.17	0.34	0.12	0.2	0.86	<0.10	<0.10	<0.10	0.19	0.39	0.19
Magnesium	679	561	909	760	865	639	900	1590	690	909	733	1110	895	735
Manganese	39.3	35.4	45.4	40.4	37.9	27.9	29.7	101	35.8	87.9	56.5	67.2	35.8	71.7
Mercury	0.0532	0.0566	0.064	0.0823	0.086	0.0702	0.0795	0.094	0.142	0.0647	0.0706	0.0889	0.0545	0.0529
Molybdenum	0.0657	0.0351	0.0348	0.0302	0.0343	0.0233	0.0541	0.0561	0.0397	0.0324	0.0273	0.0347	0.0392	0.05
Nickel	0.598	0.431	0.383	0.471	1.27	0.484	1.01	6.84	1.23	0.448	0.796	2.83	0.77	1.27
Phosphorus	399	335	368	326	287	254	424	374	379	529	396	395	320	429
Potassium	1220	1090	1200	1130	1080	1020	1310	1110	1030	1460	1320	1140	1100	1280
Rhenium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubidium	3.68	4.08	3.24	2.8	2.03	1.58	2.79	2.79	1.32	5.05	4.17	3.06	2.24	3.11
Selenium	0.065	0.065	0.068	0.077	0.097	0.089	0.097	0.16	0.107	0.069	0.083	0.078	0.086	0.074
Silver	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	327	256	391	389	367	326	403	267	460	405	333	338	322	419
Strontium	15.3	10.1	9.29	7.74	12	8.89	11.1	11.8	6.94	17.5	10.3	8	15.5	11.7
Tellurium	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0054	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Thallium	0.00407	0.0041	0.00353	0.00447	0.00584	0.00348	0.00599	0.00736	0.00482	0.0082	0.00493	0.00328	0.00393	0.00411
Thorium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tin	<0.020	<0.020	<0.020	<0.020	0.024	<0.020	<0.020	0.031	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Titanium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	0.02	0.0126	0.00902	0.0194	0.0182	0.00649	0.0136	0.0299	0.0113	0.0144	0.00579	0.00845	0.0197	0.011
Vanadium	0.77	0.505	0.211	1.96	1.35	0.518	0.812	4.36	1.22	0.392	0.36	3.93	1.3	0.85
Yttrium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	23.3	15	18	18.7	13.7	10.1	22.3	32.7	15	26.6	20.3	16.6	15.8	23.9
Zirconium	0.271	0.2	0.119	0.185	0.329	0.136	0.24	0.688	0.197	0.148	0.084	0.167	0.281	0.155

Notes:

Sample CFW2-B-ARCTRUB was mislabelled and is actually Arctostaphylos alpina, and is the duplicate to CFW2 collected on the same date.

Berry sample CWF1 was mislabelled and is actually CFW1-B (thus a duplicate to CFW1-A).

(-) = not available