

**Table MU1 4-10 Example of Outlier Calculations (Page 1 of 4)**

Parameters	Units	Parameter Values <sup>1</sup>																			
		MO-101				MO-102				MO-103				MO-104				MO-105			
		4/23/09	5/7/09	5/21/09	6/4/09	4/23/09	5/7/09	5/21/09	6/4/09	4/23/09	5/7/09	5/21/09	6/4/09	4/22/09	5/6/09	5/20/09	6/3/09	4/23/09	5/7/09	5/21/09	6/4/09
Total Alkalinity as CaCO <sub>3</sub>	mg/L	112	110	111	112	99	105	107	109	115	113	105	114	108	124	123	124	107	104	114	105
CO <sub>3</sub>	mg/L	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HCO <sub>3</sub>	mg/L	137	135	136	137	121	128	130	132	141	138	129	139	132	151	150	151	130	127	139	129
Dissolved Calcium	mg/L	82	91	92	89	70	75	82	77	74	80	62	79	76	85	85	91	57	58	79	56
Total Chloride	mg/L	7	8	9	10	6	6	6	6	6	6	5	6	8	9	9	9	5	5	6	5
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Dissolved Magnesium	mg/L	4	4	4	4	3	4	4	4	4	4	3	4	4	4	5	5	3	3	4	3
Total NH <sub>3</sub> -N	mg/L	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved NO <sub>3</sub> +NO <sub>2</sub> -N	mg/L	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	0.09	0.07	0.15	0.1	0.72	0.84	0.87	0.84	0.12	0.12	0.1	0.15
Dissolved Potassium	mg/L	3	3	3	2	3	3	3	3	2	2	2	2	4	3	3	2	2	2	2	2
Dissolved SiO <sub>2</sub>	mg/L	14.1	14.4	15.7	15.4	15.2	14.2	15.4	14.8	14.4	15.8	15.5	15.4	14.5	15.9	15.2	15.5	14.2	14.4	15.3	15.1
Dissolved Sodium	mg/L	31	34	31	29	32	32	30	29	30	33	30	32	35	30	42	35	31	32	29	31
Total SO <sub>4</sub>	mg/L	196	204	200	199	174	181	184	180	177	175	124	174	171	177	183	177	124	125	174	122
Specific Conductance at 25 °C	µmhos/cm	652	624	612	638	567	577	566	588	593	577	448	580	596	616	615	616	481	469	557	469
Laboratory pH	SU	7.89	7.93	7.84	7.87	8.06	8	7.94	7.93	7.81	7.77	7.9	7.83	7.79	7.77	7.86	7.73	7.94	7.98	7.75	7.91
TDS Dried at 180 °C	mg/L	428	442	442	451	373	406	434	393	389	396	322	426	394	424	438	413	312	324	402	336
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Arsenic	mg/L	0.001	-0.001	-0.001	-0.001	0.004	0.003	0.003	0.002	-0.001	-0.001	0.001	0.001	-0.001	-0.001	-0.001	-0.001	0.002	0.001	-0.001	0.001
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Cadmium	mg/L	-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
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved Copper	mg/L	-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
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	0.04	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
Dissolved Lead	mg/L	0.003	-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	0.002	-0.001	-0.001	-0.001
Dissolved Manganese	mg/L	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
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved Selenium	mg/L	0.012	0.012	0.013	0.012	-0.001	-0.001	-0.001	-0.001	0.013	0.014	0.015	0.014	0.043	0.046	0.046	0.047	0.013	0.014	0.014	0.016
Dissolved Uranium	mg/L	0.385	0.384	0.378	0.368	0.332	0.339	0.341	0.339	0.469	0.481	0.326	0.464	0.718	0.916	0.883	0.899	0.327	0.320	0.473	0.313
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Zinc	mg/L	0.05	0.02	0.02	0.01	0.02	-0.01	0.01	-0.01	0.02	-0.01	-0.01	-0.01	0.02	-0.01	-0.01	-0.01	0.01	-0.01	-0.01	-0.01
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.07	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	0.06
Total Manganese	mg/L	0.01	-0.02	0.01	0.02	-0.01	-0.02	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.02	-0.02	-0.01	-0.01	-0.02	-0.01	-0.01
Gross Alpha	pCi/L	424	445	552	440	312	387	402	388	505	500	267	458	682	834	837	717	249	334	463	372
Gross Beta	pCi/L	95.7	144	118	108	97.4	100	114	95.9	115	121	81.1	110	197	382	303	255	78.3	121	131	91.5
Dissolved Ra-226	pCi/L	4.3	4.1	5	5.2	6.9	7.7	7.9	8.6	4.1	3.3	2.1	3.4	3.1	2.7	3.2	2.4	2.5	2.4	2.5	2.7
Dissolved Ra-228	pCi/L	3.1	2.1	2.9	2.4	3.5	2.7	2.3	3.8	3	2.7	1.8	2.4	2.3	2.1	3.3	3.8	1.5	2.1	3.3	3.3

**Table MU1 4-10 Example of Outlier Calculations (Page 2 of 4)**

Parameters	Units	Parameter Values <sup>1</sup>																				
		MO-106				MO-107				MO-108				MO-109				MO-110				
		4/22/09	5/6/09	5/20/09	6/3/09	4/22/09	5/6/09	5/20/09	6/3/09	4/22/09	5/6/09	5/20/09	6/3/09	4/22/09	5/6/09	5/20/09	6/3/09	4/21/09	5/5/09	5/19/09	6/2/09	
Total Alkalinity as CaCO <sub>3</sub>	mg/L	71	96	99	86	105	103	103	104	109	107	103	103	100	108	107	107	107	87	92	95	96
CO <sub>3</sub>	mg/L	2	5	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	8	6	-1	-1
HCO <sub>3</sub>	mg/L	82	107	119	105	128	126	126	127	134	130	125	126	123	131	130	131	131	89	101	115	117
Dissolved Calcium	mg/L	35	50	51	49	52	56	57	57	57	60	59	58	55	63	59	58	58	45	45	47	47
Total Chloride	mg/L	4	5	5	5	5	4	4	5	5	5	5	5	8	6	6	7	7	7	7	7	8
Dissolved Fluoride	mg/L	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Dissolved Magnesium	mg/L	1	2	2	2	3	3	2	3	3	3	2	3	3	3	3	3	3	-1	1	1	1
Total NH <sub>3</sub> -N	mg/L	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	0.5	0.36	0.16	0.14	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved NO <sub>3</sub> +NO <sub>2</sub> -N	mg/L	0.14	0.13	0.17	0.15	-0.05	0.06	0.08	0.08	-0.05	-0.05	-0.05	-0.05	0.16	0.17	0.19	0.18	0.16	0.13	0.13	0.13	0.13
Dissolved Potassium	mg/L	3	3	2	3	2	2	2	2	3	3	2	2	5	3	3	3	5	4	4	4	3
Dissolved SiO <sub>2</sub>	mg/L	12.2	13.4	11.9	14.1	13.1	14.3	12.1	14.3	13.9	14.9	12.3	14.1	14.1	15.5	12.6	14.8	12.7	12.6	11.7	13.6	13.6
Dissolved Sodium	mg/L	39	30	31	31	33	31	34	33	34	31	34	32	33	29	31	30	35	33	33	31	31
Total SO <sub>4</sub>	mg/L	98	108	114	116	115	114	118	116	120	119	126	127	120	122	126	124	98	96	99	101	101
Specific Conductance at 25 °C	µmhos/cm	362	432	438	428	458	459	439	456	480	471	457	473	479	484	468	481	398	417	398	421	421
Laboratory pH	SU	9	8.72	8.39	8.25	8.01	7.96	8.06	7.93	7.99	8.02	8.1	7.94	7.65	7.9	8.1	7.93	9.16	8.78	8.57	8.06	8.06
TDS Dried at 180 °C	mg/L	240	291	304	276	298	297	316	300	316	312	322	310	310	324	335	318	264	258	283	285	285
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Arsenic	mg/L	0.008	0.005	0.004	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.003	0.002	0.002	0.001	0.001
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Cadmium	mg/L	-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
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved Copper	mg/L	-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	-0.02	-0.01	-0.01	-0.01	-0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.002	0.002	0.002	0.001	0.001
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.02	0.02	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved Selenium	mg/L	0.029	0.028	0.031	0.037	0.012	0.02	0.02	0.022	0.003	0.005	0.005	0.005	0.025	0.026	0.025	0.027	0.02	0.021	0.019	0.019	0.019
Dissolved Uranium	mg/L	0.262	0.353	0.371	0.359	0.430	0.424	0.409	0.419	0.506	0.347	0.324	0.334	0.378	0.418	0.399	0.397	0.266	0.313	0.302	0.294	0.294
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Zinc	mg/L	0.16	0.01	-0.01	-0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.02	-0.01	0.01	-0.01	0.05	-0.01	0.04	-0.01	-0.01
Total Iron	mg/L	-0.07	0.14	0.03	0.08	-0.03	-0.03	-0.03	-0.03	-0.07	-0.03	-0.03	-0.03	-0.07	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
Total Manganese	mg/L	-0.01	-0.01	-0.02	-0.01	0.01	-0.02	-0.02	-0.01	-0.01	-0.02	0.02	0.02	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Gross Alpha	pCi/L	217	271	261	378	383	326	343	408	402	302	397	290	371	424	481	443	234	294	319	385	385
Gross Beta	pCi/L	81.9	221	160	122	124	177	137	98.7	137	87.6	94.5	91.4	116	169	122	122	80.3	89.2	98.8	96.7	96.7
Dissolved Ra-226	pCi/L	2.2	5.4	5.5	4.9	8.1	6.4	5.9	5.1	8.7	4.7	4	3.4	4	3.9	3.1	2.8	2.4	3.1	2.5	2.6	2.6
Dissolved Ra-228	pCi/L	1.5	1.3	2.4	3	1.6	1.1	1.8	2	2	1.9	2.5	4.7	2.5	2.6	3.7	3.9	1.2	7	2.5	4.2	4.2

Table MU1 4-10 Example of Outlier Calculations (Page 3 of 4)

Parameters	Units	Parameter Values <sup>1</sup>															
		MO-111				MO-112				MO-113				MO-114			
		5/5/09	5/19/09	6/2/09	11/18/09	4/21/09	5/5/09	5/19/09	6/2/09	4/21/09	5/5/09	5/19/09	6/2/09	12/1/09	12/16/09	1/14/10	2/3/10
Total Alkalinity as CaCO <sub>3</sub>	mg/L	101	91	98	105	36	43	73	70	102	104	104	105	106	107	110	111
CO <sub>3</sub>	mg/L	5	-1	-1	-5	9	6	4	4	-1	-1	-1	-1	-5	-5	-5	-5
HCO <sub>3</sub>	mg/L	113	111	120	128	26	41	81	78	125	126	127	129	129	130	134	136
Dissolved Calcium	mg/L	51	45	46	49	26	30	38	42	53	49	50	56	72	68	77	68
Total Chloride	mg/L	5	6	6	5	10	9	7	7	7	7	6	6	7	6	6	6
Dissolved Fluoride	mg/L	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Dissolved Magnesium	mg/L	2	2	2	2	1	2	2	2	3	3	3	2	3	3	3	3
Total NH <sub>3</sub> -N	mg/L	0.06	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved NO <sub>3</sub> +NO <sub>2</sub> -N	mg/L	-0.05	0.16	0.16	0.2	0.3	0.31	0.33	0.33	0.17	0.16	0.15	0.17	-0.1	-0.1	-0.1	0.1
Dissolved Potassium	mg/L	8	3	2	2	3	2	2	2	2	2	2	2	4	4	3	3
Dissolved SiO <sub>2</sub>	mg/L	13.4	12.7	14.8	14.4	15.6	14.9	14.2	17.5	15.5	14.5	13.1	15.6	16.7	15.5	16.2	14.1
Dissolved Sodium	mg/L	33	31	31	32	29	27	26	29	31	29	30	32	33	31	33	30
Total SO <sub>4</sub>	mg/L	126	94	96	97	82	87	82	83	103	102	101	106	165	159	160	160
Specific Conductance at 25 °C	µmhos/cm	499	380	408	415	307	322	329	347	432	446	418	436	534	537	536	538
Laboratory pH	SU	8.73	8.15	7.81	7.92	9.69	9.36	8.88	8.75	8.08	8.22	8.1	7.85	8.19	8.17	7.95	8.05
TDS Dried at 180 °C	mg/L	310	265	261	246	214	205	229	218	292	292	299	273	366	357	366	384
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Arsenic	mg/L	0.011	0.002	0.001	-0.001	0.002	0.002	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.001	0.001	-0.001	-0.001
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Cadmium	mg/L	-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
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	0.1
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Dissolved Manganese	mg/L	-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
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved Selenium	mg/L	-0.001	0.021	0.022	0.027	0.03	0.03	0.03	0.032	0.04	0.043	0.04	0.042	0.019	0.021	0.018	0.017
Dissolved Uranium	mg/L	0.424	0.288	0.369	0.320	0.132	0.146	0.312	0.331	0.609	0.629	0.581	0.641	0.408	0.405	0.409	0.383
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Zinc	mg/L	0.01	0.06	-0.01	-0.01	0.04	-0.01	-0.01	-0.01	0.06	-0.01	-0.01	-0.01	-0.01	-0.01	0.02	-0.01
Total Iron	mg/L	-0.07	-0.03	-0.07	-0.03	-0.03	-0.07	-0.03	-0.07	-0.03	-0.07	-0.03	-0.07	-0.03	-0.03	-0.03	-0.03
Total Manganese	mg/L	-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
Gross Alpha	pCi/L	1060	298	439	372	137	148	287	334	490	612	568	587	361	335	346	528
Gross Beta	pCi/L	544	136	138	101	53.1	56.8	110	94.6	213	237	175	202	118	90.6	112	139
Dissolved Ra-226	pCi/L	360	5.5	6.2	6.6	1.4	0.74	1.3	1	37	34	37	38	2.4	2.7	2.6	2.7
Dissolved Ra-228	pCi/L	5.1	2.5	1.4	2	0.8	0.6	0.7	0.4	1.4	1.9	1.5	2.9	3.3	3.7	3.6	4.4

**Table MU1 4-10 Example of Outlier Calculations (Page 4 of 4)**

Parameters	Units	Outlier Tolerance Interval Calculation					
		No. of Obs.	Mean	Tolerance Limit Factor	Standard Deviation	Lower Range	Upper Range
Total Alkalinity as CaCO <sub>3</sub>	mg/L	56	101.21	3.066	16.17	51.64	150.79
CO <sub>3</sub>	mg/L	56	2.07	3.066	2.04	-4.19	8.34
HCO <sub>3</sub>	mg/L	56	121.75	3.066	23.13	50.83	192.67
Dissolved Calcium	mg/L	56	61.07	3.066	16.16	11.53	110.62
Total Chloride	mg/L	56	6.36	3.066	1.49	1.77	10.94
Dissolved Fluoride	mg/L	56	0.20	3.066	0.02	0.13	0.27
Dissolved Magnesium	mg/L	56	2.86	3.066	1.02	-0.26	5.97
Total NH <sub>3</sub> -N	mg/L	56	0.07	3.066	0.07	-0.16	0.29
Dissolved NO <sub>3</sub> +NO <sub>2</sub> -N	mg/L	56	0.17	3.066	0.19	-0.42	0.77
Dissolved Potassium	mg/L	55	2.69	3.094	0.79	0.25	5.14
Dissolved SiO <sub>2</sub>	mg/L	56	14.42	3.066	1.26	10.57	18.27
Dissolved Sodium	mg/L	56	31.66	3.066	2.57	23.77	39.55
Total SO <sub>4</sub>	mg/L	56	133.95	3.066	36.18	23.02	244.87
Specific Conductance at 25 °C	µmhos/cm	56	486.14	3.066	87.11	219.07	753.22
Laboratory pH	SU	56	8.14	3.066	0.43	6.81	9.47
TDS Dried at 180 °C	mg/L	56	330.02	3.066	65.96	127.77	532.26
Dissolved Aluminum	mg/L	56	0.10	3.066	0.00	0.10	0.10
Dissolved Arsenic	mg/L	55	0.002	3.094	0.001	-0.002	0.006
Dissolved Barium	mg/L	56	0.10	3.066	0.00	0.10	0.10
Dissolved Boron	mg/L	56	0.10	3.066	0.00	0.10	0.10
Dissolved Cadmium	mg/L	56	0.005	3.066	0.000	0.005	0.005
Dissolved Chromium	mg/L	56	0.05	3.066	0.00	0.05	0.05
Dissolved Copper	mg/L	56	0.01	3.066	0.00	0.00	0.02
Dissolved Iron	mg/L	56	0.03	3.066	0.01	0.00	0.06
Dissolved Lead	mg/L	56	0.001	3.066	0.000	0.000	0.002
Dissolved Manganese	mg/L	56	0.01	3.066	0.00	0.00	0.02
Dissolved Mercury	mg/L	56	0.00100	3.066	0.00000	0.00100	0.00100
Dissolved Molybdenum	mg/L	56	0.10	3.066	0.00	0.10	0.10
Dissolved Nickel	mg/L	56	0.05	3.066	0.00	0.05	0.05
Dissolved Selenium	mg/L	56	0.02	3.066	0.01	-0.02	0.06
Dissolved Uranium	mg/L	56	0.41	3.066	0.16	-0.07	0.89
Dissolved Vanadium	mg/L	56	0.10	3.066	0.00	0.10	0.10
Dissolved Zinc	mg/L	55	0.016	3.094	0.013	-0.024	0.056
Total Iron	mg/L	56	0.04	3.066	0.02	-0.03	0.11
Total Manganese	mg/L	56	0.01	3.066	0.00	0.00	0.03
Gross Alpha	pCi/L	55	406.16	3.094	144.44	-40.72	853.05
Gross Beta	pCi/L	55	132.02	3.094	60.10	-53.93	317.97
Dissolved Ra-226	pCi/L	55	6.40	3.094	8.74	-20.63	33.43
Dissolved Ra-228	pCi/L	56	2.57	3.066	1.21	-1.15	6.29

<sup>1</sup> Less than values are denoted by a minus sign in front of the detection limit.

Value is an outlier or calculation excludes outlier(s).