

Table MU1 4-9 Duplicate Data (Page 1 of 3)

Parameters	Units	M-110	M-129	MP-110	M-131	MU-107	M-133	MP-105	M-135	M-110	M-129	MO-110	M-131	MU-107	M-133	MU-105	M-135
		4/20/2009		4/21/2009		4/22/2009		4/23/2009		5/4/2009		5/5/2009		5/6/2009		5/7/2009	
		C09040674-010	C09040674-021	C09040693-010	C09040693-011	C09040800-008	C09040800-017	C09040827-004	C09040827-008	C09050081-010	C09050081-011	C09050144-010	C09050144-011	C09050203-009	C09050203-010	C09050246-006	C09050246-008
Total Alkalinity as CaCO ₃	mg/L	110	110	104	105	87	87	71	70	110	109	92	91	92	91	92	93
CO ₃	mg/L	ND	ND	2	4	ND	ND	ND	1	ND	ND	6	6	ND	ND	4	4
HCO ₃	mg/L	134	134	123	120	106	107	85	84	134	133	101	99	112	111	105	107
Dissolved Calcium	mg/L	72	72	51	52	52	44	48	49	74	72	45	42	51	50	45	45
Total Chloride	mg/L	5	5	5	5	4	4	5	5	5	5	7	8	4	4	4	4
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1
Dissolved Magnesium	mg/L	3	3	2	2	3	2	2	2	3	3	1	1	2	2	2	2
Total NH ₃ -N	mg/L	ND	ND	0.05	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved NO ₃ +NO ₂ -N	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13	0.14	ND	ND	ND	ND
Dissolved Potassium	mg/L	2	2	16	16	2	3	8	8	2	2	4	4	3	3	3	3
Dissolved SiO ₂	mg/L	11.9	11.9	15	15.2	13.3	14.3	13.7	13.4	16.2	15.9	12.6	12.1	15.6	15.3	14.2	14.1
Dissolved Sodium	mg/L	30	30	38	39	34	35	32	33	29	29	33	32	32	32	32	32
Total SO ₄	mg/L	149	151	128	128	114	114	137	136	148	148	96	96	115	115	100	100
Specific Conductance at 25 °C	µmhos/cm	539	531	498	496	425	424	472	474	534	533	417	418	440	440	402	402
Laboratory pH	SU	7.94	7.82	8.41	8.37	8.25	8.28	8.97	8.97	7.73	7.98	8.78	8.72	8.22	8.23	8.6	8.59
TDS Dried at 180 °C	mg/L	356	353	328	324	276	282	309	314	368	369	258	265	287	293	265	273
Dissolved Aluminum	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Arsenic	mg/L	ND	0.001	0.009	0.009	0.002	0.005	0.019	0.019	0.001	ND	0.002	0.002	0.004	0.004	0.004	0.003
Dissolved Barium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Boron	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Cadmium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Copper	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Iron	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Lead	mg/L	ND	ND	ND	ND	ND	ND	0.001	0.001	ND	ND	0.002	0.003	ND	ND	ND	ND
Dissolved Manganese	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND
Dissolved Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Molybdenum	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Nickel	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Selenium	mg/L	ND	ND	ND	ND	0.012	ND	0.009	0.009	ND	ND	0.021	0.021	ND	ND	ND	ND
Dissolved Uranium	mg/L	0.168	0.171	0.241	0.239	0.0184	0.0186	0.444	0.451	0.166	0.161	0.313	0.3	0.0175	0.0174	0.0275	0.0275
Dissolved Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Zinc	mg/L	ND	ND	0.05	0.05	ND	0.02	0.03	0.06	0.02	ND	ND	ND	0.01	0.01	ND	0.01
Total Iron	mg/L	0.06	0.06	ND	ND	ND	ND	ND	ND	0.06	0.06	ND	ND	ND	ND	ND	ND
Total Manganese	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gross Alpha	pCi/L	220	174	2040	2030	52.6	51	823	785	228	193	294	260	47.9	53.8	161	165
Gross Beta	pCi/L	71.9	59.2	816	820	19.6	18.2	303	283	88.1	79	89.2	88.5	19.9	21.2	57.6	57
Dissolved Ra-226	pCi/L	41	41	732	846	7.6	7.2	227	219	42	40	3.1	3.2	8.9	8.7	70	73
Dissolved Ra-228	pCi/L	4.8	4.8	5.6	4.8	4.4	5.6	2.6	3.1	3	3.4	7	4.2	4.7	4.9	3.3	3.8

Table MU1 4-9 Duplicate Data (Page 2 of 3)

Parameters	Units	M-110	M-129	MO-110	M-131	MU-107	M-133	MU-105	M-135	M-110	M-129	MO-110	M-131	MU-107	M-133	MU-105	M-135
		5/18/2009		5/19/2009		5/20/2009		5/21/2009		6/1/2009		6/2/2009		6/3/2009		6/4/2009	
		C09050548-010	C09050548-021	C09050629-010	C09050629-019	C09050645-009	C09050645-010	C09050746-006	C09050746-008	C09060055-010	C09060055-011	C09060141-009	C09060141-011	C09060201-009	C09060201-010	C09060266-006	C09060266-008
Total Alkalinity as CaCO ₃	mg/L	108	109	95	96	94	92	90	80	109	110	96	95	97	94	97	100
CO ₃	mg/L	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	1
HCO ₃	mg/L	132	133	115	113	114	112	109	98	133	134	117	116	118	114	116	119
Dissolved Calcium	mg/L	70	68	47	50	52	51	46	58	72	72	47	48	53	52	46	47
Total Chloride	mg/L	5	5	7	7	4	4	4	5	5	5	8	8	5	5	4	4
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
Dissolved Magnesium	mg/L	3	3	1	2	2	2	2	2	3	3	1	1	2	2	2	2
Total NH ₃ -N	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved NO ₃ +NO ₂ -N	mg/L	ND	ND	0.13	0.13	ND	ND	ND	ND	ND	ND	0.13	0.14	ND	ND	ND	ND
Dissolved Potassium	mg/L	2	2	4	4	3	3	2	7	2	2	3	3	3	3	3	3
Dissolved SiO ₂	mg/L	14.1	13.5	11.7	11.8	13.3	13.3	16.1	15.2	13	13	13.6	14	15.7	15.9	15.9	15.8
Dissolved Sodium	mg/L	30	29	33	31	34	34	25	30	29	29	31	33	33	33	30	30
Total SO ₄	mg/L	149	148	99	98	120	121	94	139	151	151	101	100	119	118	98	97
Specific Conductance at 25 °C	µmhos/cm	506	507	398	399	426	425	359	447	518	516	421	419	447	448	412	417
Laboratory pH	SU	7.95	7.97	8.57	8.5	8.22	8.23	8.26	8.56	7.82	7.91	8.06	8.29	8.07	8.11	8.32	8.32
TDS Dried at 180 °C	mg/L	317	334	283	290	312	299	279	324	371	365	285	265	286	285	297	279
Dissolved Aluminum	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Arsenic	mg/L	ND	0.054	0.002	0.001	0.003	0.003	0.001	0.017	ND	ND	0.001	0.001	0.003	0.003	0.003	0.002
Dissolved Barium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Boron	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Cadmium	mg/L	ND	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Copper	mg/L	ND	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Iron	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Lead	mg/L	ND	0.049	0.002	0.002	ND	ND	ND	ND	ND	ND	0.001	0.001	ND	ND	ND	ND
Dissolved Manganese	mg/L	ND	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Mercury	mg/L	ND	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Molybdenum	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Nickel	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Selenium	mg/L	ND	0.052	0.019	0.018	ND	ND	ND	0.005	ND	ND	0.019	0.018	ND	ND	ND	ND
Dissolved Uranium	mg/L	0.142	0.0908	0.302	0.292	0.0154	0.0153	0.0108	0.446	0.136	0.137	0.294	0.307	0.0157	0.0155	0.0231	0.022
Dissolved Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Zinc	mg/L	ND	ND	0.04	ND	0.01	0.01	ND	ND	ND	0.01	ND	ND	ND	0.01	ND	ND
Total Iron	mg/L	0.06	0.06	ND	ND	ND	ND	0.45	ND	0.06	0.06	ND	ND	ND	ND	ND	ND
Total Manganese	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gross Alpha	pCi/L	184	186	319	306	48.8	43.3	60.7	859	187	202	385	388	47.1	45.1	150	189
Gross Beta	pCi/L	77.1	72.2	98.8	75.9	24.3	23.1	35.5	345	69.9	69.4	96.7	98.1	18.9	18.7	55.2	71.1
Dissolved Ra-226	pCi/L	33	26	2.5	2.7	8.7	8.3	4.6	228	41	43	2.6	3.3	9.6	8.4	58	77
Dissolved Ra-228	pCi/L	4.7	3.4	2.5	1.2	4.6	2.7	3.7	3.9	4.5	4.3	4.2	1.9	5	5.1	4.2	4.4

ND = below the detection limit

Table MU1 4-9 Duplicate Data (Page 3 of 3)

Parameters	Units	M-120A	MO-120A	MO-114	M-131
		12/15/2009		1/14/2010	
		C09120527-001	C09120527-002	C10010493-004	C10010493-005
Total Alkalinity as CaCO ₃	mg/L	119	112	110	108
CO ₃	mg/L	ND	ND	ND	ND
HCO ₃	mg/L	146	137	134	132
Dissolved Calcium	mg/L	57	58	77	74
Total Chloride	mg/L	6	6	6	6
Dissolved Fluoride	mg/L	0.1	0.1	0.2	0.2
Dissolved Magnesium	mg/L	3	3	3	3
Total NH ₃ -N	mg/L	ND	ND	ND	ND
Dissolved NO ₃ +NO ₂ -N	mg/L	ND	ND	ND	ND
Dissolved Potassium	mg/L	2	2	3	3
Dissolved SiO ₂	mg/L	16.9	17.3	16.2	15.6
Dissolved Sodium	mg/L	33	32	33	33
Total SO ₄	mg/L	123	122	160	157
Specific Conductance at 25 °C	µmhos/cm	469	469	536	537
Laboratory pH	SU	7.97	8.00	7.95	7.94
TDS Dried at 180 °C	mg/L	295	298	366	362
Dissolved Aluminum	mg/L	ND	ND	ND	ND
Dissolved Arsenic	mg/L	ND	ND	ND	ND
Dissolved Barium	mg/L	ND	ND	ND	ND
Dissolved Boron	mg/L	ND	ND	ND	ND
Dissolved Cadmium	mg/L	ND	ND	ND	ND
Dissolved Chromium	mg/L	ND	ND	ND	ND
Dissolved Copper	mg/L	ND	ND	ND	ND
Dissolved Iron	mg/L	ND	ND	ND	ND
Dissolved Lead	mg/L	ND	ND	ND	ND
Dissolved Manganese	mg/L	ND	ND	ND	ND
Dissolved Mercury	mg/L	ND	ND	ND	ND
Dissolved Molybdenum	mg/L	ND	ND	ND	ND
Dissolved Nickel	mg/L	ND	ND	ND	ND
Dissolved Selenium	mg/L	0.003	0.003	0.018	0.018
Dissolved Uranium	mg/L	0.0847	0.0896	0.409	0.408
Dissolved Vanadium	mg/L	ND	ND	ND	ND
Dissolved Zinc	mg/L	ND	ND	0.02	0.01
Total Iron	mg/L	ND	ND	ND	ND
Total Manganese	mg/L	ND	ND	ND	ND
Gross Alpha	pCi/L	85.4	113	346	431
Gross Beta	pCi/L	25.0	33.7	112	121
Dissolved Ra-226	pCi/L	1.2	1.2	2.6	2.5
Dissolved Ra-228	pCi/L	1.5	1.7	3.6	4.1