

\*\*\*\*\*  
\*\*\*\*\* P E A K A N A L Y S I S R E P O R T \*\*\*\*\*  
\*\*\*\*\*

Detector Name: MIT1

Sample Title: Sample title.

Peak Analysis Performed on: 2/15/2019 11:25:15 AM

Peak Analysis From Channel: 1

Peak Analysis To Channel: 8192

	Peak No.	ROI start	ROI end	Peak centroid	Energy (keV)	FWHM (keV)	Net Peak Area	Net Area Uncert.	Continuum Counts
M	1	9-	59	25.47	6.31	2.02	1.11E+005	379.70	1.21E+004
m	2	9-	59	36.10	8.97	2.04	1.28E+005	415.24	2.78E+004
m	3	9-	59	48.38	12.04	2.05	1.34E+005	424.57	4.26E+004
	4	179-	195	185.60	46.34	1.28	4.92E+003	282.88	2.39E+004
	5	207-	225	214.74	53.63	0.88	2.59E+004	340.05	2.64E+004
	6	243-	259	254.16	63.48	0.85	3.49E+003	279.34	2.38E+004
M	7	290-	315	300.75	75.13	0.82	1.11E+003	110.68	1.76E+004
m	8	290-	315	309.49	77.32	0.82	1.20E+003	114.86	1.79E+004
M	9	332-	404	337.94	84.43	1.13	1.14E+003	123.90	2.23E+004
m	10	332-	404	349.68	87.36	1.13	9.66E+002	132.12	2.61E+004
m	11	332-	404	360.62	90.10	1.13	7.28E+002	137.78	2.65E+004
m	12	332-	404	371.43	92.80	1.13	9.19E+003	191.63	2.71E+004
m	13	332-	404	392.97	98.18	1.14	5.74E+002	127.73	2.61E+004
	14	444-	458	452.58	113.09	0.77	4.72E+002	294.89	3.00E+004
	15	477-	492	485.55	121.33	0.96	2.62E+003	314.87	3.21E+004
	16	538-	555	545.04	136.20	0.89	8.45E+003	352.32	3.54E+004
	17	571-	581	576.22	144.00	0.72	5.23E+002	226.38	2.13E+004
	18	649-	662	653.99	163.44	0.64	3.29E+002	261.79	2.47E+004
	19	736-	751	743.77	185.89	0.93	4.15E+003	288.31	2.63E+004
	20	785-	801	794.56	198.58	0.62	2.64E+002	285.11	2.59E+004
M	21	949-	979	955.32	238.77	1.03	3.64E+003	129.15	1.59E+004
m	22	949-	979	967.57	241.83	1.03	8.49E+002	97.13	1.52E+004
M	23	1051-	1086	1059.49	264.81	1.06	5.32E+003	129.74	1.34E+004
m	24	1051-	1086	1080.64	270.10	1.06	3.21E+002	89.57	1.30E+004
	25	1111-	1130	1118.93	279.67	1.05	1.94E+003	263.96	1.93E+004
	26	1174-	1193	1181.66	295.36	0.97	1.53E+003	252.46	1.77E+004
	27	1348-	1362	1353.96	338.43	1.02	6.03E+002	183.76	1.15E+004
	28	1402-	1420	1408.31	352.02	1.14	2.54E+003	214.74	1.28E+004
	29	1596-	1611	1603.31	400.77	1.36	8.46E+002	167.60	9.03E+003
	30	1634-	1646	1639.37	409.78	0.35	2.22E+002	137.64	7.11E+003
M	31	1841-	1887	1851.45	462.80	3.53	7.49E+002	109.85	1.30E+004
m	32	1841-	1887	1879.27	469.76	3.53	3.86E+002	98.63	1.20E+004
	33	1916-	1926	1921.13	480.22	0.48	1.09E+002	102.79	4.38E+003
	34	2032-	2057	2044.63	511.10	2.50	4.59E+004	304.58	1.10E+004
	35	2272-	2288	2280.26	570.00	1.39	1.72E+002	127.91	5.16E+003
	36	2325-	2345	2333.65	583.35	1.33	2.40E+003	155.53	5.98E+003
	37	2372-	2396	2384.33	596.02	1.33	2.32E+004	228.06	6.98E+003
	38	2427-	2449	2438.01	609.44	1.29	3.68E+003	165.52	6.11E+003
M	39	2512-	2552	2521.00	630.19	1.38	2.45E+002	51.54	4.35E+003
m	40	2512-	2552	2539.83	634.90	1.38	5.69E+003	96.32	4.29E+003
	41	2903-	2922	2910.64	727.60	1.20	5.04E+002	118.98	3.88E+003
M	42	3062-	3098	3074.78	768.63	1.63	4.76E+002	56.95	3.80E+003

	Peak No.	ROI start	ROI end	Peak centroid	Energy (keV)	FWHM (keV)	Net Peak Area	Net Area Uncert.	Continuum Counts
m	43	3062-	3098	3089.75	772.38	1.63	2.63E+002	50.49	3.55E+003
	44	3131-	3153	3144.54	786.07	1.37	3.40E+002	125.70	3.98E+003
	45	3172-	3189	3180.76	795.13	0.72	2.47E+002	102.13	3.13E+003
	46	3206-	3221	3214.18	803.48	0.39	2.30E+002	92.74	2.78E+003
	47	3332-	3349	3337.77	834.38	1.22	1.09E+003	105.88	3.09E+003
	48	3434-	3454	3444.23	860.99	1.39	4.73E+002	112.17	3.32E+003
	49	3635-	3659	3646.23	911.49	1.55	2.54E+003	132.24	3.62E+003
	50	3731-	3746	3737.59	934.33	1.13	8.06E+001	82.99	2.26E+003
M	51	3852-	3891	3860.52	965.07	1.53	3.76E+002	44.23	2.45E+003
m	52	3852-	3891	3877.84	969.40	1.53	1.55E+003	59.39	2.45E+003
	53	3996-	4015	4006.76	1001.63	1.30	3.03E+002	94.41	2.46E+003
M	54	4454-	4494	4464.54	1116.07	1.59	2.78E+003	66.81	2.12E+003
m	55	4454-	4494	4483.50	1120.81	1.59	1.38E+003	52.55	2.14E+003
	56	4684-	4707	4695.58	1173.83	1.31	5.26E+002	98.00	2.26E+003
	57	4947-	4966	4954.94	1238.67	1.38	5.16E+002	86.70	1.99E+003
	58	5118-	5132	5126.14	1281.47	0.47	1.97E+002	56.99	1.06E+003
	59	5280-	5293	5285.88	1321.40	0.44	8.52E+000	50.98	9.37E+002
	60	5324-	5342	5333.72	1333.36	1.52	2.64E+002	65.57	1.19E+003
	61	5501-	5528	5514.17	1378.47	1.60	5.75E+002	83.92	1.44E+003
M	62	5600-	5645	5610.73	1402.61	1.68	1.44E+002	28.53	1.04E+003
m	63	5600-	5645	5635.90	1408.91	1.69	2.72E+002	33.84	1.09E+003
	64	5833-	5861	5847.58	1461.83	1.90	1.78E+004	155.03	1.35E+003
	65	6031-	6049	6041.63	1510.34	1.47	2.27E+002	51.45	7.17E+002
M	66	6349-	6388	6357.40	1589.28	1.99	3.45E+002	29.50	6.77E+002
m	67	6349-	6388	6375.35	1593.77	1.99	5.39E+002	34.65	8.49E+002
	68	6479-	6498	6488.73	1622.11	0.64	1.25E+002	50.95	7.05E+002
	69	6518-	6536	6527.39	1631.78	0.64	2.14E+002	45.31	5.41E+002
	70	6643-	6658	6651.19	1662.73	0.62	4.02E+001	38.78	4.88E+002
	71	6914-	6937	6924.48	1731.05	1.58	2.88E+002	54.11	6.59E+002
	72	7049-	7077	7064.47	1766.05	1.84	1.81E+003	71.50	7.12E+002
	73	7386-	7406	7397.54	1849.31	1.61	2.40E+002	46.18	5.22E+002

M = First peak in a multiplet region

m = Other peak in a multiplet region

F = Fitted singlet

Errors quoted at 1.000 sigma