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*********************************************************************
*****        G A M M A   S P E C T R U M   A N A L Y S I S        *****
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Filename: ERT01,C:\GENIE2K\CAMFILES\SMP-HTC-A02-S003-0612-01.CNF

Report Generated On	: 6/29/2017 3:34:48 PM
Sample Title	: HTC-A02-S003-0612-01
Sample Description	: 450 cc Soil
Sample Identification	:
Sample Type	:
Sample Geometry	:
Peak Locate Threshold	: 3.00
Peak Locate Range (in channels)	: 100 - 8192
Peak Area Range (in channels)	: 100 - 8192
Identification Energy Tolerance	: 1.000 keV
Sample Size	: 8.567E+002 GWET
Sample Taken On	: 5/15/2017 12:18:00 PM
Acquisition Started	: 6/29/2017 1:34:41 PM
Live Time	: 7200.0 seconds
Real Time	: 7205.3 seconds
Dead Time	: 0.07 %

Energy Calibration Used Done On	: 5/10/2017
Efficiency Calibration Used Done On	: 12/14/2016
Efficiency ID	: ERT0101

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***** P E A K A N A L Y S I S R E P O R T *****
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Detector Name: ERT01
Sample Title: HTC-A02-S003-0612-01
Peak Analysis Performed on: 6/29/2017 3:34:48 PM
Peak Analysis From Channel: 100
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
	1	247-	258	254.10	63.39	0.63	4.00E+002	72.82	1.96E+003
M	2	295-	314	300.12	74.89	0.94	9.98E+002	52.32	2.49E+003
m	3	295-	314	309.23	77.17	0.94	1.92E+003	63.18	2.61E+003
M	4	330-	386	336.57	84.00	1.15	2.68E+002	44.66	2.77E+003
m	5	330-	386	349.72	87.29	1.16	8.84E+002	52.49	2.84E+003
m	6	330-	386	360.54	89.99	1.16	4.44E+002	45.29	2.71E+003
m	7	330-	386	371.38	92.70	1.17	1.54E+003	61.05	2.58E+003
	8	568-	581	576.76	144.03	1.21	2.95E+002	82.60	2.37E+003
	9	737-	754	744.88	186.05	1.24	2.32E+003	102.87	2.53E+003
M	10	948-	978	955.27	238.63	1.01	1.03E+003	45.73	1.60E+003
m	11	948-	978	968.73	241.99	1.02	2.13E+003	57.19	1.39E+003
	12	1021-	1029	1024.71	255.98	0.38	2.54E+001	42.18	8.16E+002
	13	1073-	1083	1078.89	269.52	1.06	9.39E+001	50.86	1.04E+003
	14	1169-	1191	1181.50	295.17	1.13	5.28E+003	106.60	1.56E+003
	15	1347-	1360	1353.93	338.26	1.25	3.80E+002	49.21	7.41E+002
	16	1399-	1420	1408.28	351.84	1.21	9.14E+003	115.31	1.12E+003
	17	1540-	1552	1547.44	386.62	0.80	1.82E+001	39.74	5.84E+002
	18	1603-	1613	1607.82	401.71	0.86	7.15E+001	33.61	4.43E+002
	19	1918-	1929	1922.67	480.40	1.08	3.31E+001	29.55	3.33E+002
	20	1943-	1959	1949.05	486.99	1.00	1.22E+002	39.00	4.44E+002
	21	2035-	2055	2043.54	510.61	1.07	3.68E+002	48.07	5.34E+002
M	22	2311-	2341	2320.06	579.71	1.22	8.98E+001	16.50	3.13E+002
m	23	2311-	2341	2333.44	583.06	1.23	3.80E+002	26.08	3.28E+002
	24	2426-	2447	2437.94	609.17	1.40	7.70E+003	95.45	3.71E+002
	25	2657-	2667	2662.72	665.35	1.22	2.00E+002	25.26	1.84E+002
	26	2809-	2822	2813.22	702.96	0.36	6.27E+001	25.35	2.08E+002
	27	2901-	2917	2909.74	727.09	1.65	8.43E+001	27.32	2.12E+002
	28	3059-	3082	3074.51	768.27	1.05	7.27E+002	46.29	3.50E+002
	29	3133-	3154	3144.70	785.81	1.08	2.24E+002	34.40	2.56E+002
	30	3175-	3186	3180.94	794.87	0.91	3.37E+001	21.03	1.60E+002
	31	3218-	3233	3225.93	806.11	1.48	1.74E+002	28.99	2.21E+002
	32	3349-	3368	3357.67	839.03	1.45	9.78E+001	30.38	2.35E+002
	33	3437-	3451	3442.39	860.21	1.15	6.34E+001	22.98	1.59E+002
	34	3635-	3660	3646.25	911.16	1.54	3.18E+002	40.14	3.04E+002
	35	3725-	3751	3737.83	934.04	1.44	3.86E+002	41.46	3.04E+002
M	36	3850-	3886	3859.39	964.42	1.36	9.85E+001	15.09	1.92E+002
m	37	3850-	3886	3877.53	968.95	1.36	1.84E+002	17.81	1.58E+002
	38	3998-	4018	4006.06	1001.08	1.35	1.15E+002	28.77	1.96E+002
	39	4472-	4496	4483.71	1120.45	1.82	1.73E+003	52.47	2.45E+002
	40	4617-	4634	4623.13	1155.30	1.18	2.22E+002	26.40	1.43E+002
	41	4948-	4967	4955.58	1238.38	1.78	6.53E+002	34.13	1.46E+002
	42	5119-	5139	5127.28	1281.29	1.80	1.76E+002	24.27	1.14E+002

	Peak No.	ROI start	ROI end	Peak centroid	Energy (keV)	FWHM (keV)	Net Peak Area	Net Area Uncert.	Continuum Counts
	43	5501-	5525	5515.07	1378.21	1.51	4.67E+002	30.96	1.19E+002
	44	5536-	5552	5544.95	1385.68	0.60	7.25E+001	19.13	9.35E+001
M	45	5600-	5649	5610.16	1401.97	2.06	1.75E+002	16.13	1.05E+002
m	46	5600-	5649	5636.40	1408.53	2.06	2.78E+002	19.44	1.17E+002
	47	5834-	5862	5848.06	1461.43	1.75	1.47E+003	45.70	1.33E+002
	48	6032-	6051	6041.98	1509.89	1.49	1.81E+002	24.16	1.15E+002
	49	6152-	6166	6158.57	1539.03	1.15	6.15E+001	15.99	6.75E+001
	50	6330-	6346	6338.55	1584.01	0.55	8.85E+001	14.90	4.25E+001
	51	6642-	6661	6652.20	1662.40	0.60	8.95E+001	17.08	5.75E+001
	52	6736-	6749	6742.82	1685.05	0.37	2.63E+001	8.46	1.57E+001
	53	6771-	6787	6777.92	1693.82	0.77	4.40E+001	12.28	3.40E+001
	54	6913-	6937	6925.44	1730.69	1.65	2.99E+002	22.24	4.71E+001
	55	7053-	7080	7065.36	1765.66	1.88	1.47E+003	41.42	5.44E+001
	56	7354-	7368	7360.16	1839.33	0.31	3.43E+001	9.44	1.88E+001
	57	7387-	7408	7397.94	1848.77	2.11	1.87E+002	18.74	4.36E+001

M = First peak in a multiplet region
m = Other peak in a multiplet region
F = Fitted singlet

Errors quoted at 1.000 sigma

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***** N U C L I D E M D A R E P O R T *****
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Detector Name: ERT01
Sample Geometry:
Sample Title: HTC-A02-S003-0612-01
Nuclide Library Used: C:\GENIE2K\CAMFILES\ERT_LIBRARY_LMDA.NLB

	Nuclide Name	Energy (keV)	Yield (%)	Line MDA (pCi/GWET)	Nuclide MDA (pCi/GWET)	Activity (pCi/GWET)
+	K-40	1460.82*	10.55	8.7745E-001	8.77E-001	1.0632E+001
	Co-60	1173.23	99.85	9.1851E-002	8.49E-002	-9.6152E-003
		1332.49	99.98	8.4927E-002		-2.6864E-002
>		2505.71	0.10	0.0000E+000		0.0000E+000
	Cs-137	32.06	5.54	6.2774E+003	9.42E-002	-1.5636E+003
		661.66	84.99	9.4198E-002		-6.4692E-002
+	Tl-208	72.80	2.02	1.1540E+001	5.96E-002	-7.6131E+000
		74.97*	3.41	3.9590E+000		1.1940E+001
		84.90*	1.51	7.0695E+000		5.4374E+000
		277.36	6.31	1.4925E+000		1.4317E+000
		510.77*	22.60	3.6655E-001		3.3335E-001
		583.19*	84.50	5.9648E-002		1.8083E-001
		763.13	1.81	6.1464E+000		1.3064E+000
		860.56*	12.42	4.4301E-001		2.7293E-001
+	Bi-212	39.86	1.06	1.2102E+003	8.58E-001	2.0229E+002
		727.33*	6.74	8.5811E-001		5.9119E-001
		785.37*	1.11	6.6014E+000		1.0092E+001
		1620.74	1.51	5.2059E+000		1.2568E+000
		1806.00	0.09	5.7117E+001		-1.6155E+001
+	Pb-212	74.81*	10.40	1.2981E+000	1.56E-001	3.9148E+000
		77.11*	17.50	7.2460E-001		4.1150E+000
		87.30*	7.81	1.2835E+000		3.2146E+000
		115.18	0.59	1.5845E+001		3.1819E+000
		238.63*	43.30	1.5607E-001		5.8747E-001
		300.09	3.28	3.1924E+000		9.8640E-001
+	Bi-214	76.86*	0.43	2.8466E+001	1.57E-001	1.6166E+002
		89.81*	0.24	3.6480E+001		4.6874E+001
		386.77*	0.30	1.9685E+001		1.9230E+000
		454.77	0.29	2.5971E+001		-2.9377E+000
		609.31*	45.49	1.5711E-001		6.8085E+000
		665.45*	1.53	2.7834E+000		5.5521E+000
		703.11*	0.48	1.0572E+001		5.7759E+000
		719.86	0.39	1.9464E+001		1.1088E+001
		768.36*	4.89	1.7069E+000		6.9878E+000
		786.10*	0.31	2.2604E+001		3.4556E+001
		806.17*	1.26	4.7328E+000		6.7206E+000
		934.06*	3.10	3.0329E+000		6.7856E+000
		964.08*	0.36	1.4436E+001		1.5169E+001
		1051.96	0.31	2.6833E+001		1.0673E+001
		1120.29*	14.91	6.4038E-001		7.3289E+000

	Nuclide Name	Energy (keV)	Yield (%)	Line MDA (pCi/GWET)	Nuclide MDA (pCi/GWET)	Activity (pCi/GWET)
+	Bi-214	1133.66	0.25	3.6010E+001	1.57E-001	5.2600E+000
		1155.19*	1.63	4.1160E+000		8.7896E+000
		1207.68	0.45	2.0867E+001		1.0852E+001
		1238.11*	5.79	1.2741E+000		7.7068E+000
		1280.96*	1.43	4.7699E+000		8.6357E+000
		1377.67*	4.00	1.9576E+000		8.6491E+000
		1385.31*	0.76	8.0853E+000		7.1173E+000
		1401.50*	1.27	4.1325E+000		1.0305E+001
		1407.98*	2.15	2.5823E+000		9.7197E+000
		1509.23*	2.11	3.5791E+000		6.7478E+000
		1538.50*	0.38	1.4288E+001		1.3017E+001
		1543.32	0.20	4.7340E+001		4.8563E+001
		1583.22*	0.69	6.6081E+000		1.0367E+001
		1594.73	0.25	3.6373E+001		1.8455E+001
		1599.31	0.23	3.7962E+001		3.3085E+001
		1661.28	1.15	7.4737E+000		9.3631E+000
		1683.99	0.22	2.7856E+001		-7.7053E-001
		1729.59	2.92	3.8756E+000		9.5435E+000
		1764.49	15.40	1.4485E+000		8.3716E+000
		1847.42	2.11	4.7745E+000		7.0040E+000
		1873.16	0.22	2.6300E+001		-1.0184E+001
>		2118.55	1.14	0.0000E+000		0.0000E+000
>		2204.21	5.08	0.0000E+000		0.0000E+000
+	Pb-214	53.28	1.20	6.2885E+001	2.40E-001	1.5057E+001
		74.81*	6.44	2.0047E+000		6.0459E+000
		77.11*	10.80	1.1228E+000		6.3764E+000
		87.30*	4.84	1.9806E+000		4.9606E+000
		242.00*	7.43	8.1517E-001		7.0056E+000
		258.87	0.52	1.7146E+001		9.9433E+000
		274.80	0.47	1.9316E+001		-1.4662E+001
		295.22*	19.30	5.1373E-001		7.4282E+000
		351.93*	37.60	2.3991E-001		7.2274E+000
		462.00	0.22	3.4988E+001		1.7700E+001
		533.66	0.19	3.9154E+001		-3.0998E+000
		785.96*	1.07	6.5489E+000		1.0012E+001
		839.04*	0.59	1.1641E+001		8.3525E+000
	Ra-224	81.07	0.13	1.2181E+002	3.33E+000	-1.4253E+002
		83.78	0.22	6.8144E+001		5.4501E+000
		240.99	4.10	3.3261E+000		2.0341E+001
+	Ra-226	81.07	0.20	7.7460E+001	2.54E+000	-9.0638E+001
		83.78*	0.33	3.1124E+001		2.3938E+001
		94.90	0.15	8.1442E+001		-1.1942E+001
		186.21*	3.59	2.5447E+000		1.3534E+001
+	Ac-228	99.50	1.26	8.0323E+000	3.15E-001	-1.7661E+000
		129.07	2.50	3.8394E+000		-6.5625E-001
		209.25	3.97	2.4479E+000		5.2329E-001
		270.24*	3.55	1.7886E+000		7.1527E-001
		328.00	3.04	2.9589E+000		2.3266E-001
		338.32*	11.40	5.6909E-001		1.0168E+000
		409.46	2.02	4.1437E+000		-1.7588E+000

	Nuclide Name	Energy (keV)	Yield (%)	Line MDA (pCi/GWET)	Nuclide MDA (pCi/GWET)	Activity (pCi/GWET)
+	Ac-228	463.00	4.45	1.8618E+000	3.15E-001	2.8744E-001
		755.31	1.03	7.8879E+000		-1.1785E+000
		772.29	1.52	7.7280E+000		-1.7169E+000
		794.94*	4.31	1.1301E+000		3.9372E-001
		835.70	1.70	5.5013E+000		3.9564E+000
		911.20*	26.20	3.6400E-001		6.6634E-001
		964.79*	4.99	1.0981E+000		1.1538E+000
		968.96*	15.90	3.1544E-001		6.8074E-001
		1588.20	3.06	3.2562E+000		6.3375E-002
		1630.62	1.52	4.8305E+000		5.6836E-001
	Th-228	84.37*	1.26	8.4722E+000	8.47E+000	6.5162E+000
		131.61	0.13	7.3345E+001		8.4382E+000
		166.41	0.10	9.2209E+001		5.1042E+000
		215.98	0.25	3.7206E+001		-4.7057E+000
	Pa-234m	258.23	0.07	1.2166E+002	1.06E+001	1.2175E+002
		742.81	0.09	8.3531E+001		-4.0270E+000
		766.36	0.32	3.5736E+001		8.8256E+001
		786.27	0.05	1.6794E+002		1.8895E+002
		1001.03	0.85	1.0640E+001		9.9286E+000
		1737.77	0.02	4.4194E+002		1.7822E+001
+	Th-234	63.30*	3.75	6.4794E+000	1.94E+000	7.1636E+000
		92.59*	4.33	1.9370E+000		8.3478E+000
		112.81	0.22	4.2455E+001		-3.8061E+000

+ = Nuclide identified during the nuclide identification
* = Energy line found in the spectrum
> = Calculated MDA is zero due to zero counts in the region, or the region is outside the spectrum, or has not been calculated
@ = Half-life too short to be able to perform the decay correction

****
***** N U C L I D E I D E N T I F I C A T I O N R E P O R T *****
****

Sample Title: HTC-A02-S003-0612-01
Nuclide Library Used: C:\GENIE2K\CAMFILES\ERT_LIBRARY_LMDA.NLB

..... IDENTIFIED NUCLIDES .....

Nuclide Name	Id Confidence	Energy (keV)		Yield (%)	Activity (pCi/GWET)	Activity Uncertainty
K-40	0.942	1460.82*		10.55	1.06319E+001	4.41459E-001
Eu-152m	0.997	89.85*		69.90	1.64650E-001	1.74119E-002
Tl-208	0.861	72.80	@	2.02		
		74.97*	@	3.41	1.19396E+001	7.22129E-001
		84.90*	@	1.51	5.43740E+000	9.17591E-001
		277.36		6.31		
		510.77*	@	22.60	3.33346E-001	8.20575E-002
		583.19*		84.50	1.80826E-001	1.38941E-002
		763.13	@	1.81		
		860.56*		12.42	2.72934E-001	9.91163E-002
Bi-211	0.900	351.03*		13.00	2.09850E+001	8.02288E-001
Bi-212	0.760	39.86	@	1.06		
		727.33*		6.74	5.91186E-001	1.92479E-001
		785.37*		1.11	1.00917E+001	1.56949E+000
		1620.74		1.51		
		1806.00	@	0.09		
Pb-212	0.922	74.81*		10.40	3.91482E+000	2.62326E-001
		77.11*		17.50	4.11496E+000	2.16971E-001
		87.30*		7.81	3.21460E+000	2.33620E-001
		115.18	@	0.59		
		238.63*		43.30	5.87472E-001	3.30685E-002
		300.09		3.28		
Bi-214	0.733	76.86*	@	0.43	1.61656E+002	8.69809E+000
		89.81*	@	0.24	4.68738E+001	5.23438E+000
		386.77*	@	0.30	1.92300E+000	4.19670E+000
		454.77	@	0.29		
		609.31*		45.49	6.80853E+000	2.17977E-001
		665.45*	@	1.53	5.55206E+000	7.19296E-001
		703.11*	@	0.48	5.77586E+000	2.34525E+000
		719.86	@	0.39		
		768.36*		4.89	6.98781E+000	4.77147E-001
		786.10*	@	0.31	3.45559E+001	7.73627E+000
		806.17*	@	1.26	6.72062E+000	1.12975E+000
		934.06*		3.10	6.78563E+000	7.45547E-001
		964.08*	@	0.36	1.51687E+001	2.40277E+000
		1051.96	@	0.31		
		1120.29*		14.91	7.32887E+000	2.84647E-001
		1133.66	@	0.25		
		1155.19*	@	1.63	8.78961E+000	1.06717E+000
		1207.68	@	0.45		
		1238.11*		5.79	7.70680E+000	4.59370E-001

Nuclide Name	Id Confidence	Energy (keV)		Yield (%)	Activity (pCi/GWET)	Activity Uncertainty
Bi-214	0.733	1280.96*	@	1.43	8.63566E+000	1.21661E+000
		1377.67*		4.00	8.64911E+000	6.26671E-001
		1385.31*	@	0.76	7.11730E+000	1.89399E+000
		1401.50*	@	1.27	1.03051E+001	1.00011E+000
		1407.98*	@	2.15	9.71972E+000	7.56998E-001
		1509.23*	@	2.11	6.74781E+000	9.25232E-001
		1538.50*	@	0.38	1.30172E+001	3.43458E+000
		1543.32	@	0.20		
		1583.22*	@	0.69	1.03666E+001	1.77753E+000
		1594.73	@	0.25		
		1599.31	@	0.23		
		1661.28	@	1.15		
		1683.99	@	0.22		
		1729.59	@	2.92		
		1764.49		15.40		
		1847.42	@	2.11		
		1873.16	@	0.22		
		2118.55	@	1.14		
		2204.21	@	5.08		
Pb-214	0.965	53.28	@	1.20		
		74.81*		6.44	6.04586E+000	4.15424E-001
		77.11*		10.80	6.37643E+000	3.68268E-001
		87.30*		4.84	4.96056E+000	3.72540E-001
		242.00*		7.43	7.00557E+000	3.08552E-001
		258.87	@	0.52		
		274.80	@	0.47		
		295.22*		19.30	7.42819E+000	2.93994E-001
		351.93*		37.60	7.22740E+000	2.66652E-001
		462.00	@	0.22		
		533.66	@	0.19		
		785.96*	@	1.07	1.00115E+001	1.72525E+000
		839.04*	@	0.59	8.35245E+000	2.60612E+000
Ra-226	0.880	81.07	@	0.20		
		83.78*	@	0.33	2.39382E+001	4.13356E+000
		94.90	@	0.15		
		186.21*		3.59	1.35337E+001	7.66215E-001
Ac-228	0.495	99.50	@	1.26		
		129.07	@	2.50		
		209.25		3.97		
		270.24*		3.55	7.15272E-001	3.88513E-001
		328.00		3.04		
		338.32*		11.40	1.01676E+000	1.40389E-001
		409.46	@	2.02		
		463.00		4.45		
		755.31	@	1.03		
		772.29	@	1.52		
		794.94*		4.31	3.93722E-001	2.46291E-001
		835.70	@	1.70		
		911.20*		26.20	6.66341E-001	8.94468E-002
		964.79*		4.99	1.15384E+000	1.83019E-001

Nuclide Name	Id Confidence	Energy (keV)		Yield (%)	Activity (pCi/GWET)	Activity Uncertainty
Ac-228	0.495	968.96*		15.90	6.80738E-001	7.08443E-002
		1588.20		3.06		
		1630.62	@	1.52		
Th-231	0.832	81.23	@	0.90		
		84.21*		6.60	1.18959E+000	2.13304E-001
		89.95*	@	1.00	1.14366E+001	1.38706E+000
Th-234	0.942	63.30*		3.75	7.16363E+000	1.45577E+000
		92.59*		4.33	8.34778E+000	5.49196E-001
		112.81	@	0.22		

* = Energy line found in the spectrum.
@ = Energy line not used for Weighted Mean Activity
Energy Tolerance : 1.000 keV
Nuclide confidence index threshold = 0.45
Errors quoted at 1.000 sigma

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***** I N T E R F E R E N C E C O R R E C T E D R E P O R T *****
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	Nuclide Name		Nuclide Id Confidence	Wt mean Activity (pCi/GWET)	Wt mean Activity Uncertainty
	K-40		0.942	1.063191E+001	4.414587E-001
X	Cd-109		0.915		
	Eu-152m		0.997	1.326698E-001	1.760865E-002
X	Tm-170		0.989		
	Tl-208	@	0.861	1.820063E-001	1.367875E-002
	Bi-211		0.900	3.742889E+000	8.433703E-001
	Bi-212	@	0.760	6.123375E-001	1.907731E-001
	Pb-212	@	0.922	5.353200E-001	3.207627E-002
	Bi-214	@	0.733	7.148438E+000	1.445289E-001
	Pb-214	@	0.965	5.938321E+000	1.384827E-001
	Ra-226	@	0.880	1.353367E+001	7.320678E-001
	Ac-228	@	0.495	7.016212E-001	4.664206E-002
X	Th-228		0.488		
	Th-231	@	0.832	4.772292E-001	2.040423E-001
	Th-234	@	0.942	8.200248E+000	5.138468E-001

? = Nuclide is part of an undetermined solution
X = Nuclide rejected by the interference analysis
@ = Nuclide contains energy lines not used in Weighted Mean Activity

Errors quoted at 1.000 sigma

********** U N I D E N T I F I E D P E A K S **********

Peak Locate Performed on: 6/29/2017 3:34:48 PM
Peak Locate From Channel: 100
Peak Locate To Channel: 8192

Peak No.	Energy (keV)	Peak Size in Counts per Second	Peak CPS % Uncertainty	Peak Type	Tol. Nuclide
8	144.03	3.9808E-002	28.83	Tol.	Ra-223
12	255.98	3.5301E-003	165.96	Tol.	Th-227 Pa-231
18	401.71	9.9349E-003	46.98	Sum	
19	480.40	4.5904E-003	89.41	Sum	
20	486.99	1.6909E-002	32.04	D-Esc.	
M 22	579.71	1.2465E-002	18.38	Sum	
38	1001.08	1.5344E-002	26.09	Sum	
51	1662.40	1.2435E-002	19.08		
52	1685.05	3.6500E-003	32.19		
53	1693.82	6.1111E-003	27.91		
54	1730.69	4.1518E-002	7.44	Sum	
55	1765.66	2.0393E-001	2.82	Sum	
56	1839.33	4.7569E-003	27.57		
57	1848.77	2.6029E-002	10.00	Sum	

M = First peak in a multiplet region
m = Other peak in a multiplet region
F = Fitted singlet

Errors quoted at 1.000 sigma