
***** G A M M A S P E C T R U M A N A L Y S I S *****

Filename: DET04

Report Generated On : 8/3/2021 8:12:19 AM

Sample Title : AY2019_004-012_10.37

Sample Description :

Sample Identification :

Sample Type :

Sample Geometry :

Peak Locate Threshold : 3.00

Peak Locate Range (in channels) : 1 - 8192

Peak Area Range (in channels) : 1 - 8192

Identification Energy Tolerance : 1.000 FWHM

Sample Size : 1.000E+000 Unit

Sample Taken On :

Acquisition Started : 7/31/2021 11:05:27 AM

Live Time : 248550.0 seconds

Real Time : 248601.0 seconds

Dead Time : 0.02 %

Energy Calibration Used Done On : 10/10/2014

Efficiency Calibration Used Done On : ???????????

Efficiency ID :

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

Detector Name: DET04

Sample Title: AY2019_004-012_10.37

Peak Analysis Performed on: 8/3/2021 8:12:19 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
	1	4-	5	4.00	0.94	0.25	1.25E+005	464.97	3.51E+004
	2	185-	192	189.01	47.20	0.57	7.96E+002	79.76	1.84E+003
	3	213-	220	216.94	54.18	0.57	2.72E+002	74.94	1.76E+003
	4	230-	237	234.00	58.45	0.30	8.24E+001	76.06	1.88E+003
	5	253-	260	256.95	64.19	0.51	7.44E+002	80.99	1.93E+003
M	6	299-	316	303.66	75.87	0.63	2.35E+003	64.13	2.49E+003
m	7	299-	316	312.90	78.18	0.64	3.91E+003	76.35	2.03E+003
M	8	349-	383	353.91	88.43	0.70	1.07E+003	54.34	2.55E+003
m	9	349-	383	364.75	91.14	0.71	7.92E+002	49.24	2.59E+003
m	10	349-	383	375.33	93.79	0.71	1.04E+003	63.70	2.37E+003
m	11	349-	383	378.34	94.54	0.72	8.32E+002	61.63	2.38E+003
	12	399-	408	403.70	100.88	0.29	1.25E+002	95.44	2.55E+003
	13	519-	527	523.78	130.90	0.71	3.23E+002	92.21	2.50E+003
	14	578-	588	583.37	145.81	0.51	1.67E+002	93.98	3.04E+003
	15	610-	617	612.27	153.03	0.31	7.40E+001	71.10	2.12E+003
	16	750-	759	753.80	188.42	0.92	1.11E+003	87.41	2.43E+003
	17	843-	854	849.00	212.22	0.64	4.25E+002	90.27	2.57E+003
M	18	963-	988	968.01	241.98	0.80	4.48E+003	78.39	1.81E+003
m	19	963-	988	977.46	244.34	0.80	4.51E+002	41.17	1.96E+003
m	20	963-	988	981.70	245.40	0.80	4.26E+002	41.20	1.95E+003
	21	1089-	1102	1095.55	273.87	1.26	3.91E+002	87.17	2.15E+003
	22	1121-	1131	1125.35	281.32	1.25	3.03E+002	68.23	1.53E+003
	23	1192-	1204	1197.51	299.36	0.85	6.97E+002	79.66	1.77E+003
	24	1212-	1224	1217.69	304.41	0.90	3.42E+002	73.82	1.60E+003
	25	1325-	1337	1330.18	332.54	1.28	3.38E+002	62.48	1.35E+003
M	26	1365-	1387	1372.16	343.03	0.96	8.87E+002	44.56	1.31E+003
m	27	1365-	1387	1383.70	345.92	0.96	8.25E+001	29.06	1.17E+003
	28	1421-	1434	1427.52	356.87	0.96	1.17E+003	72.30	1.47E+003
	29	1656-	1665	1661.02	415.26	0.37	7.89E+001	44.59	8.42E+002
	30	1870-	1886	1878.22	469.57	0.92	3.59E+002	61.87	1.10E+003
	31	2063-	2080	2071.82	517.97	1.78	2.52E+003	87.85	1.60E+003
	32	2356-	2374	2365.23	591.34	1.23	1.08E+003	62.50	9.75E+002
	33	2461-	2480	2471.24	617.84	1.18	1.07E+003	63.71	9.96E+002
	34	2618-	2625	2621.88	655.51	0.50	3.21E+001	25.49	3.41E+002
	35	2944-	2957	2949.46	737.42	1.19	2.13E+002	39.49	5.56E+002
	36	3111-	3125	3115.65	778.97	0.80	4.57E+001	39.36	5.98E+002
	37	3217-	3230	3223.86	806.03	1.41	1.23E+002	35.67	4.75E+002
	38	3481-	3496	3490.90	872.80	0.59	1.37E+002	37.00	4.74E+002
	39	3685-	3704	3695.64	923.99	1.21	8.54E+002	48.95	5.78E+002
M	40	3907-	3938	3913.00	978.34	1.35	1.04E+002	21.45	5.42E+002
m	41	3907-	3938	3929.94	982.57	1.36	4.67E+002	29.89	5.34E+002
	42	3971-	3980	3975.70	994.01	0.55	1.55E+001	22.55	2.67E+002

	Peak No.	ROI start	ROI end	Peak centroid	Energy (keV)	FWHM (keV)	Net Peak Area	Net Area Uncert.	Continuum Counts
	43	4534-	4550	4543.42	1135.96	1.48	2.37E+002	36.87	4.64E+002
	44	5013-	5030	5021.06	1255.39	0.60	1.33E+002	35.56	4.50E+002
	45	5578-	5594	5585.22	1396.45	0.56	8.40E+001	23.25	2.06E+002
	46	5704-	5717	5710.58	1427.80	0.37	1.07E+001	19.15	1.77E+002
M	47	5911-	5964	5924.67	1481.33	2.00	4.30E+003	57.11	2.40E+002
m	48	5911-	5964	5956.69	1489.34	2.00	1.33E+001	9.86	1.87E+002
	49	6716-	6727	6721.33	1680.52	0.39	4.42E+000	12.11	7.36E+001
	50	7006-	7022	7014.77	1753.90	0.82	6.52E+001	15.74	8.18E+001
	51	7146-	7168	7156.30	1789.28	1.67	2.82E+002	25.01	1.30E+002
	52	7486-	7499	7492.06	1873.24	0.52	4.67E+001	13.27	6.83E+001

M = First peak in a multiplet region

m = Other peak in a multiplet region

F = Fitted singlet

Errors quoted at 1.000 sigma