
***** 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 : 8/4/2021 11:05:16 AM

Sample Title : AY2019_035-040_20.75

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 : 8/3/2021 8:22:44 AM

Live Time : 96113.3 seconds

Real Time : 96134.6 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_035-040_20.75

Peak Analysis Performed on: 8/4/2021 11:05:16 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	4.11E+004	252.69	7.40E+003
	2	185-	192	188.92	47.18	0.46	4.27E+002	58.20	9.84E+002
	3	253-	260	256.59	64.10	0.60	3.75E+002	59.64	1.06E+003
M	4	299-	316	303.60	75.85	0.63	1.57E+003	50.11	1.32E+003
m	5	299-	316	312.88	78.17	0.63	2.53E+003	58.84	9.94E+002
	6	337-	346	341.82	85.41	0.87	3.98E+002	69.28	1.25E+003
	7	349-	358	354.08	88.48	0.93	7.35E+002	72.01	1.27E+003
	8	360-	369	364.91	91.18	0.75	6.17E+002	68.33	1.16E+003
	9	372-	380	376.62	94.11	1.47	1.08E+003	67.36	1.06E+003
	10	400-	407	404.27	101.03	0.38	6.15E+001	54.03	9.44E+002
	11	521-	528	523.56	130.85	0.67	1.75E+002	57.72	1.03E+003
	12	589-	595	592.26	148.03	0.36	4.57E+001	42.80	8.07E+002
	13	750-	759	753.90	188.45	0.92	6.61E+002	59.53	1.07E+003
	14	843-	853	849.05	212.23	0.63	2.49E+002	58.03	1.09E+003
	15	867-	874	870.74	217.66	0.38	2.46E+001	41.51	7.20E+002
M	16	963-	983	967.83	241.93	0.81	2.96E+003	61.36	8.43E+002
m	17	963-	983	978.01	244.48	0.82	3.18E+002	29.42	8.46E+002
	18	1089-	1102	1095.81	273.94	1.29	2.48E+002	57.42	9.14E+002
	19	1122-	1131	1125.10	281.26	0.92	1.22E+002	43.63	6.63E+002
	20	1190-	1202	1197.36	299.33	0.90	4.13E+002	54.51	8.08E+002
	21	1210-	1223	1217.11	304.26	0.80	1.84E+002	51.31	7.32E+002
	22	1325-	1335	1330.85	332.70	0.83	8.99E+001	38.04	5.68E+002
	23	1366-	1378	1371.74	342.93	0.89	6.08E+002	47.60	6.30E+002
	24	1421-	1434	1427.27	356.81	0.83	8.70E+002	50.26	5.99E+002
	25	1652-	1663	1659.90	414.98	0.48	6.50E+001	33.07	4.10E+002
	26	1872-	1886	1878.25	469.57	1.02	1.62E+002	37.17	4.22E+002
	27	2062-	2080	2071.50	517.89	1.60	1.16E+003	57.98	6.51E+002
	28	2359-	2373	2364.39	591.13	1.20	6.90E+002	38.04	3.00E+002
	29	2462-	2477	2470.78	617.73	1.29	5.38E+002	38.20	3.53E+002
	30	2941-	2955	2948.62	737.21	0.66	1.41E+002	28.30	2.64E+002
	31	3217-	3228	3223.22	805.87	1.12	8.07E+001	21.10	1.65E+002
	32	3402-	3412	3407.69	851.99	0.43	8.18E+000	18.43	1.57E+002
	33	3685-	3704	3694.67	923.75	1.40	4.86E+002	34.72	2.70E+002
M	34	3905-	3938	3911.59	977.99	1.40	6.92E+001	15.29	2.46E+002
m	35	3905-	3938	3929.38	982.43	1.41	2.73E+002	21.67	2.38E+002
	36	4531-	4551	4543.53	1135.99	1.83	1.64E+002	27.55	2.16E+002
	37	5579-	5591	5585.09	1396.42	0.31	2.00E+001	12.79	7.40E+001
	38	5909-	5937	5923.47	1481.03	2.04	2.17E+003	50.05	1.08E+002
	39	6451-	6462	6456.68	1614.35	0.36	2.87E+001	10.00	3.73E+001
	40	7144-	7165	7154.39	1788.81	2.21	1.73E+002	16.78	4.20E+001

M = First peak in a multiplet region

m = Other peak in a multiplet region

F = Fitted singlet

Errors quoted at 1.000 sigma