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

Filename: DET02

Report Generated On : 8/4/2021 11:04:21 AM

Sample Title : AY2019_025-030_21.24

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 8:24:27 AM

Live Time : 95895.2 seconds

Real Time : 95979.0 seconds

Dead Time : 0.09 %

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: DET02

Sample Title: AY2019_025-030_21.24

Peak Analysis Performed on: 8/4/2021 11:04:21 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	4-	9	4.00	0.85	0.29	3.08E+004	16.93	2.77E+003
m	2	4-	9	7.61	1.75	0.31	6.37E+003	11.70	8.12E+003
	3	16-	21	19.13	4.63	0.81	4.84E+003	146.57	4.15E+003
	4	62-	68	65.21	16.16	0.54	2.15E+002	63.59	8.43E+002
	5	182-	190	186.65	46.53	0.53	3.22E+002	50.84	6.93E+002
	6	249-	258	253.85	63.34	0.68	3.12E+002	57.30	8.48E+002
M	7	295-	313	299.68	74.80	0.65	1.50E+003	46.63	8.67E+002
m	8	295-	313	308.80	77.08	0.66	2.30E+003	54.40	7.46E+002
M	9	344-	364	349.28	87.21	0.90	7.89E+002	38.61	7.67E+002
m	10	344-	364	360.04	89.90	0.91	5.88E+002	35.30	7.62E+002
	11	367-	377	372.45	93.01	1.31	7.82E+002	63.56	8.61E+002
	12	417-	426	422.17	105.44	0.35	6.38E+001	48.21	8.32E+002
	13	512-	521	516.46	129.03	0.59	2.54E+002	47.19	7.34E+002
	14	557-	563	559.41	139.77	0.39	3.80E+001	34.46	5.18E+002
	15	737-	749	743.47	185.80	1.26	3.53E+002	53.52	7.89E+002
	16	833-	843	836.91	209.18	0.82	1.99E+002	44.12	6.12E+002
M	17	947-	974	954.33	238.55	0.80	2.03E+003	50.06	5.33E+002
m	18	947-	974	964.07	240.98	0.81	1.63E+002	24.36	4.75E+002
m	19	947-	974	967.83	241.92	0.81	1.81E+002	24.75	5.20E+002
	20	1076-	1087	1080.68	270.15	0.93	1.78E+002	35.10	4.20E+002
	21	1104-	1114	1109.09	277.26	0.79	9.40E+001	32.21	3.95E+002
	22	1173-	1186	1180.75	295.18	0.77	3.27E+002	39.18	4.39E+002
	23	1194-	1207	1199.99	299.99	0.35	1.26E+002	36.17	4.29E+002
	24	1303-	1317	1311.11	327.79	1.09	8.58E+001	35.88	4.15E+002
	25	1347-	1360	1352.85	338.23	1.01	3.72E+002	39.27	4.23E+002
	26	1400-	1414	1407.04	351.78	0.83	5.37E+002	38.54	3.29E+002
	27	1847-	1857	1851.24	462.89	0.59	8.21E+001	23.35	1.93E+002
	28	2032-	2051	2042.18	510.65	1.94	5.50E+002	40.31	3.58E+002
	29	2325-	2341	2331.51	583.01	1.30	3.86E+002	31.28	2.15E+002
	30	2426-	2443	2435.97	609.14	1.14	2.53E+002	31.42	2.62E+002
	31	2897-	2915	2907.68	727.13	0.56	5.25E+001	26.62	2.26E+002
	32	3433-	3445	3439.56	860.16	1.32	3.88E+001	15.09	9.02E+001
	33	3635-	3652	3641.91	910.78	1.58	2.33E+002	24.11	1.38E+002
	34	3863-	3883	3873.39	968.68	1.50	1.35E+002	23.87	1.57E+002
	35	4470-	4484	4477.80	1119.85	1.36	5.80E+001	16.83	1.00E+002
	36	5824-	5853	5838.81	1460.28	1.85	9.44E+002	34.55	7.94E+001
	37	6358-	6371	6364.43	1591.74	0.87	4.35E+001	8.97	1.95E+001
	38	7042-	7067	7052.31	1763.80	0.78	8.00E+001	12.83	3.20E+001

M = First peak in a multiplet region

m = Other peak in a multiplet region

F = Fitted singlet

Errors quoted at 1.000 sigma