\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\* 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: C:\Data\Mike\_S\_2201Toenails\_Sep2018\NM.u\_1.CNF

Report Generated On : 10/1/2018 4:06:12 PM

Sample Title : Sample title.

Sample Description :

Sample Identification :

Sample Type :

Sample Geometry :

Peak Locate Threshold : 3.00

Peak Locate Range (in channels) : 1 - 65535

Peak Area Range (in channels) : 1 - 65535

Identification Energy Tolerance : 1.000 keV

Sample Size : 1.000E+000 Unit

Sample Taken On :

Acquisition Started : 9/25/2018 10:14:00 AM

Live Time : 33995.1 seconds

Real Time : 34032.9 seconds

Dead Time : 0.11 %

Energy Calibration Used Done On : 9/24/2018

Efficiency Calibration Used Done On : 12/28/2017

Efficiency ID :

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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: MIT1

Sample Title: Sample title.

Peak Analysis Performed on: 10/1/2018 4:06:12 PM

Peak Analysis From Channel: 1

Peak Analysis To Channel: 8192

Peak ROI ROI Peak Energy FWHM Net Peak Net Area Continuum

No. start end centroid (keV) (keV) Area Uncert. Counts

M 1 21- 46 28.38 6.83 0.84 3.35E+003 62.45 1.43E+003

m 2 21- 46 33.19 8.03 0.85 2.40E+003 62.80 3.59E+003

3 359- 377 370.58 92.30 1.41 1.96E+003 212.31 1.28E+004

4 398- 408 403.06 100.41 1.04 1.91E+002 133.59 7.40E+003

M 5 523- 553 533.97 133.11 1.40 7.83E+002 78.48 1.36E+004

m 6 523- 553 547.29 136.43 1.40 6.82E+002 78.52 1.42E+004

7 635- 644 639.64 159.50 1.10 1.42E+002 122.16 6.53E+003

8 880- 896 887.60 221.43 1.28 2.49E+003 196.38 1.15E+004

9 1087- 1101 1095.68 273.41 1.07 6.80E+002 150.73 7.66E+003

10 1138- 1154 1147.75 286.41 0.25 2.97E+002 162.36 8.32E+003

M 11 1382- 1419 1388.70 346.60 1.14 4.32E+002 69.04 6.36E+003

m 12 1382- 1419 1410.94 352.15 1.14 2.41E+002 62.60 6.61E+003

13 1637- 1657 1649.66 411.78 1.56 1.23E+003 169.51 7.59E+003

14 1925- 1940 1931.82 482.25 0.90 4.06E+002 123.79 4.96E+003

15 2034- 2059 2047.05 511.03 2.58 8.69E+003 207.37 8.07E+003

16 2177- 2188 2182.82 544.93 0.75 -2.07E+001 94.96 3.60E+003

17 2208- 2232 2220.56 554.36 1.56 3.55E+004 256.36 7.32E+003

18 2415- 2441 2428.77 606.36 1.54 7.61E+002 171.95 6.58E+003

19 2467- 2492 2479.98 619.14 1.68 1.97E+004 215.97 6.34E+003

20 2784- 2810 2797.53 698.44 1.66 1.16E+004 188.07 5.43E+003

21 3097- 3123 3110.64 776.62 1.69 3.14E+004 234.87 5.44E+003

22 3303- 3328 3316.25 827.94 1.73 8.50E+003 177.01 5.37E+003

23 3424- 3446 3434.45 857.45 1.35 4.62E+002 135.63 4.62E+003

24 4027- 4048 4034.83 1007.29 0.77 3.91E+002 136.94 4.88E+003

25 4170- 4196 4182.64 1044.17 1.72 7.98E+003 191.03 6.51E+003

26 4324- 4337 4329.61 1080.84 0.38 1.07E+002 104.19 3.90E+003

27 4370- 4383 4377.82 1092.86 0.73 5.85E+001 105.42 4.01E+003

28 4455- 4480 4469.48 1115.73 1.73 1.52E+003 188.81 8.02E+003

29 4696- 4714 4701.43 1173.58 0.45 1.93E+002 116.76 3.97E+003

30 5265- 5292 5278.99 1317.59 2.00 6.87E+003 123.43 1.86E+003

31 5322- 5343 5332.81 1331.00 1.31 1.47E+002 75.78 1.49E+003

32 5470- 5498 5484.20 1368.73 2.00 1.38E+005 383.92 1.95E+003

33 5533- 5544 5538.72 1382.32 0.31 -1.51E+001 37.46 5.65E+002

34 5844- 5865 5853.78 1460.82 2.15 9.42E+002 69.89 1.05E+003

35 5896- 5924 5910.42 1474.93 2.05 3.56E+003 100.60 1.42E+003

36 6097- 6124 6110.29 1524.72 2.13 1.92E+003 87.85 1.29E+003

37 6927- 6955 6941.57 1731.64 2.19 9.55E+003 132.41 1.73E+003

38 7291- 7307 7296.76 1819.98 0.38 2.65E+001 59.38 1.12E+003

M = First peak in a multiplet region

m = Other peak in a multiplet region

F = Fitted singlet

Errors quoted at 1.000 sigma