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

Filename: M:\gamma3\GENIE2K\CAMFILES\spect14\ISAC 14\2a_bp_sw2_w11.CNF

Report Generated On : 3/14/2014 9:31:57 AM

Sample Title : 2A Tunnel beam pipe swipe 2 under pipe
Sample Description : white powder under pipe
Sample Identification : 2a_bp_sw2_w11
Sample Type :
Sample Geometry : s filter

Peak Locate Threshold : 3.00
Peak Locate Range (in channels) : 1 - 8192
Peak Area Range (in channels) : 62 - 8192
Identification Energy Tolerance : 1.000 FWHM

Sample Size : 1.000E+000 1

Sample Taken On : 3/12/2014 11:00:00 AM
Acquisition Started : 3/12/2014 11:17:03 AM

Live Time : 1800.0 seconds
Real Time : 1800.9 seconds

Dead Time : 0.05 %

Energy Calibration Used Done On : 3/10/2014
Efficiency Calibration Used Done On : 12/10/2012
Efficiency ID : sfilter

 ***** 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: 2A Tunnel beam pipe swipe 2 under pipe w
 Nuclide Library Used: M:\gamma3\GENIE2K\CAMFILES\libraries\Tri

IDENTIFIED NUCLIDES

Nuclide Name	Id Confidence	Energy (keV)	Yield (%)	Activity (Bq /l)	Activity Uncertainty
ANN	1.000	511.00*	200.00	6.36296E+000	4.25336E-001
NA-22	0.979	1274.53*	99.94	6.79058E+000	8.20031E-001
K-40	0.997	1460.75*	10.67	1.08274E+001	3.54957E+000
MN-54	0.997	834.83*	99.98	9.50775E+000	8.81535E-001
CO-60	0.999	1173.24*	99.90	2.79963E+001	1.60975E+000
		1332.50*	99.98	2.87342E+001	1.75188E+000
AS-72	0.971	600.92	0.31		
		629.92	7.92		
		786.44	0.45		
		833.99*	79.50	1.21274E+001	1.15394E+000
		894.26	0.77		
		1050.75	0.98		
		1464.00	1.11		
		1475.90	0.51		
		1991.15	0.35		
		2105.90	0.64		
		2201.72	0.48		
		2248.50	0.32		
		2507.86	0.32		
		2621.46	0.39		
I-125	1.000	27.40*	114.10	2.81754E+000	8.83114E-001
		31.10 @	23.80		
		35.46	6.67		
SB-125	0.999	176.33	6.79		
		380.43	1.52		
		427.89*	29.40	2.24751E+000	7.53617E-001
		463.38	10.45		
		600.56	17.78		
		606.64	5.02		
		635.90	11.32		
		671.41	1.80		
EU-152	0.999	39.80* @	59.20	1.36356E+000	4.78686E-001
		45.80 @	18.00		
		121.78*	28.70	1.05812E+001	9.51390E-001
		244.69	7.61		
		344.27	26.60		
		411.11	2.24		
		443.98	2.83		
		778.89	12.96		
		867.32	4.26		
		964.01	14.65		
		1085.78	10.24		

Nuclide Name	Id Confidence	Energy (keV)	Yield (%)	Activity (Bq /l)	Activity Uncertainty
EU-152	0.999	1089.80	1.72		
		1112.02	13.69		
		1212.89	1.45		
		1299.19	1.63		
		1407.95	21.10		
		1458.00* @	0.49	2.33863E+002	2.48798E+002
		1528.00 @	0.26		

* = Energy line found in the spectrum.

@ = Energy line not used for Weighted Mean Activity

Energy Tolerance : 1.000 FWHM

Nuclide confidence index threshold = 0.60

Errors quoted at 1.000 sigma

 ***** 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 *****

Nuclide Name	Nuclide Id Confidence	Wt mean Activity (Bq /l)	Wt mean Activity Uncertainty
ANN	1.000	6.362960E+000	4.253361E-001
NA-22	0.979	6.790575E+000	8.200313E-001
K-40	0.997	1.033748E+001	3.548072E+000
? MN-54	0.997	9.507748E+000	8.815349E-001
X CO-57	1.000		
CO-60	0.999	2.833410E+001	1.185332E+000
? AS-72	0.971	1.212743E+001	1.153942E+000
I-125 @	1.000	2.817542E+000	8.831138E-001
SB-125	0.999	2.247510E+000	7.536173E-001
EU-152 @	0.999	1.058121E+001	9.157173E-001
X EU-154	0.688		

? = 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: 3/14/2014 9:31:54 AM
 Peak Locate From Channel: 1
 Peak Locate To Channel: 8192

Peak No.	Energy (keV)	Peak Size in Counts per Second	Peak CPS % Uncertainty	Peak Type	Tol. Nuclide
3	53.48	1.4807E-002	41.50	Tol.	BA-133 HF-175 HF-175 PB-214
5	392.15	2.2279E-002	45.45	Tol.	AS-71 AG-105 SB-127
9	1035.04	1.1824E-002	37.42	Tol.	SB-126

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

Errors quoted at 1.000 sigma

***** ACTION LEVEL SUMMARY REPORT *****

	Sum	Alarm Level 1	Alarm Level 2
SUMP (Control Level 1) :	0.0	<OK>	<OK>
STACK (Control Level 2) :	0.0	<OK>	<OK>