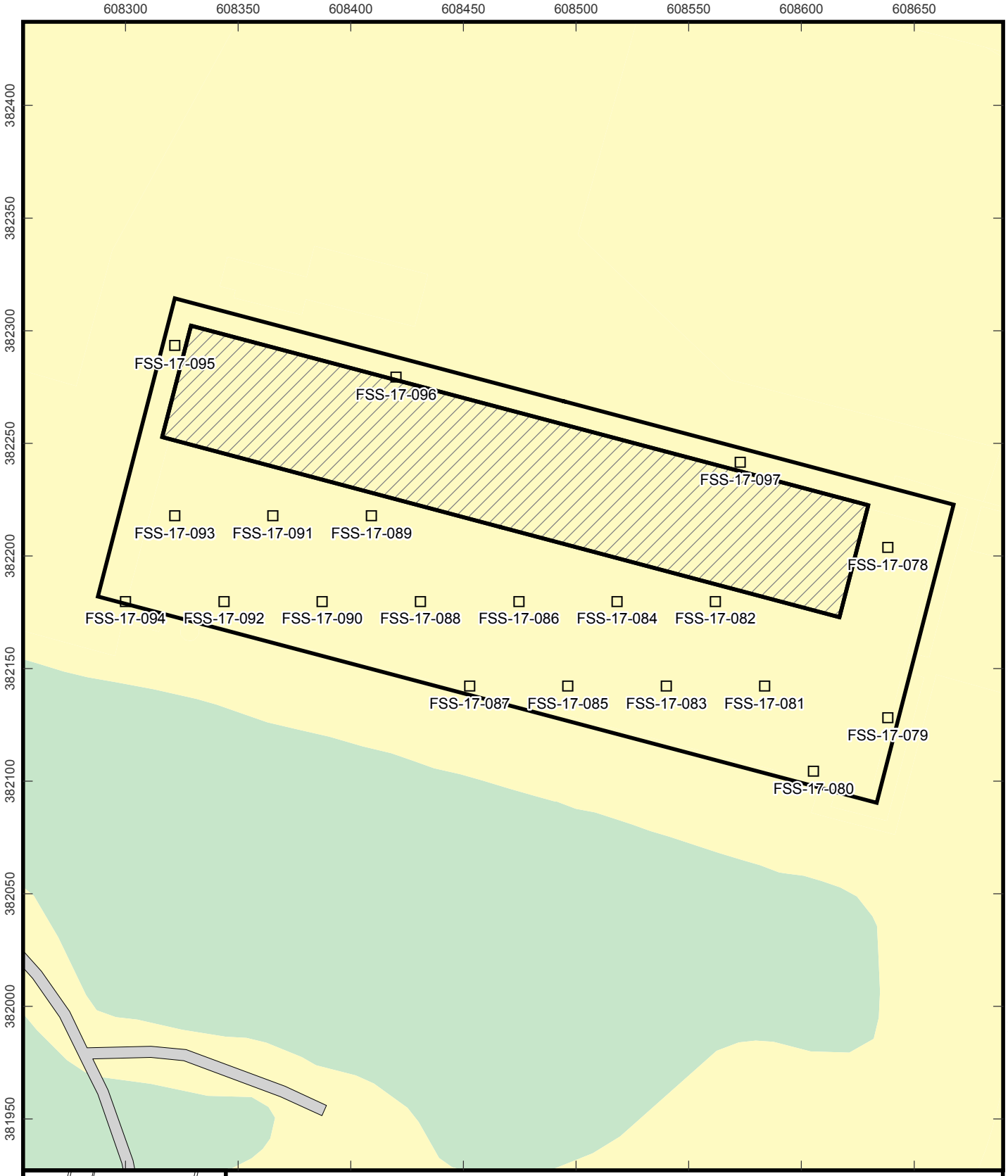
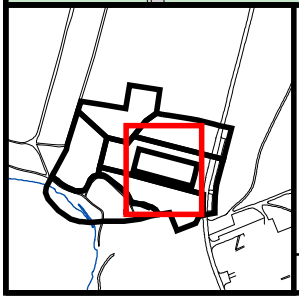
APPENDIX G

SURVEY UNIT CE-FSS-17-07
RESULTS AND DATA EVALUATION



CT State Plane NAD 27 Feet:



Legend

- Soil Sample Location
- Survey Unit
- Not in Survey Unit
- Forest
- Open
- Water
- Road
- Building

N

0 30 60 Feet

Prepared by BRP | Checked by HTD

Sample Locations
Building 17 Complex
Survey Unit CE-FSS-17-07

Final Status Survey
CE Windsor Site
Windsor, Connecticut

MACTEC

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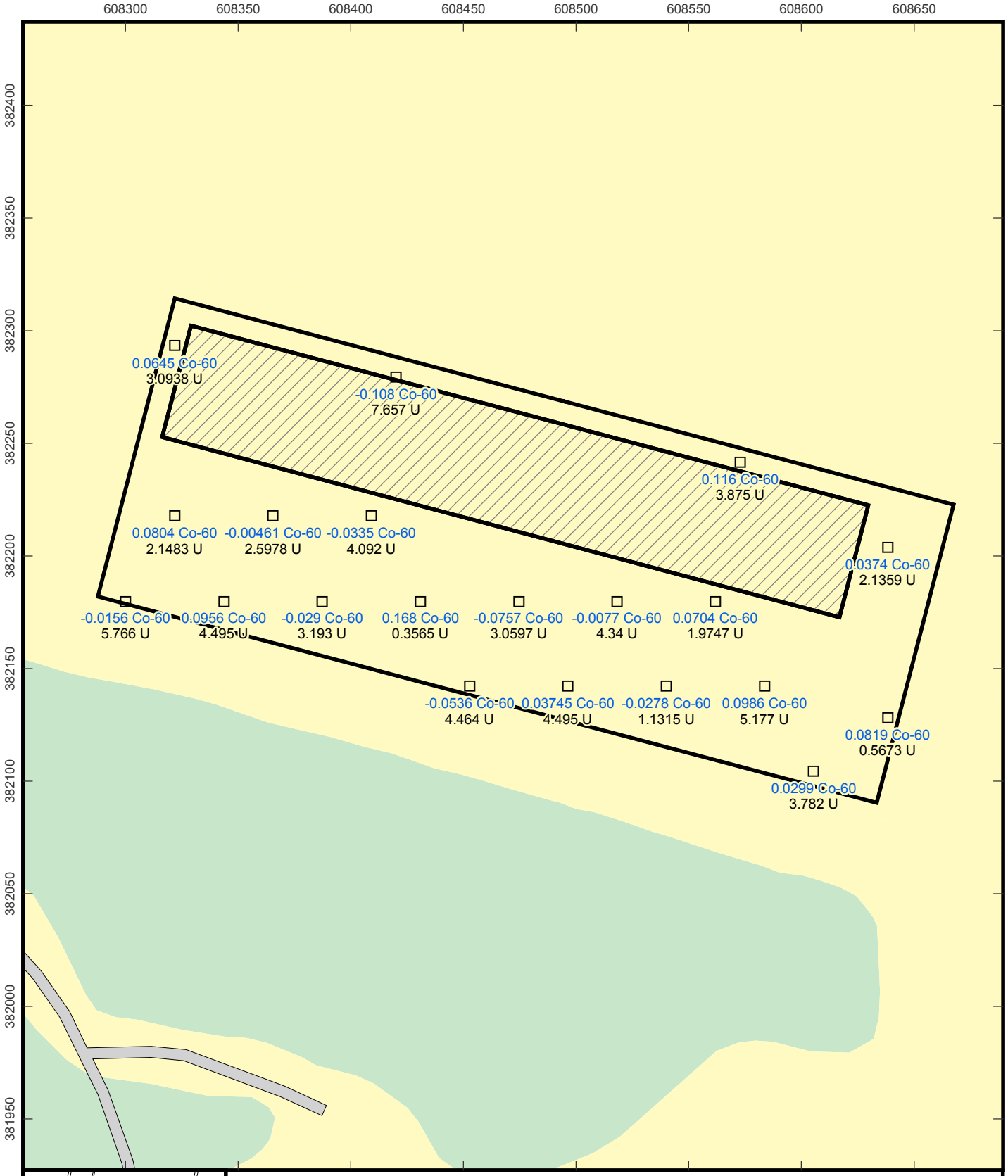

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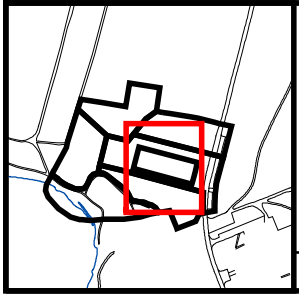

Legend

Co-60 (pCi/g)
Total U (pCi/g)

- Soil Sample Location
- Survey Unit
- Not in Survey Unit
- Forest
- Open
- Water
- Road
- Building

N

0 30 60 Feet

Prepared by BRP | Checked by HTD

Sample Results
Building 17 Complex
Survey Unit CE-FSS-17-07

Final Status Survey
CE Windsor Site
Windsor, Connecticut

MACTEC

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Survey Unit CE-FSS-17-07

Final Status Survey Volumetric Soil Sample Results

Sample ID	Co-60				U-235				Total U (pCi/g)	Sum of Fraction
	Activity	Uncert.	MDC	Qualifier	Activity	Uncert.	MDC	Qualifier		
SS-FSS-17-078-00	3.74E-02	1.25E-01	2.81E-01	U	6.89E-02	1.52E-01	2.88E-01	U	2.1	0.011
SS-FSS-17-079-00	8.19E-02	1.53E-01	3.41E-01	U	1.83E-02	1.52E-01	2.83E-01	U	0.6	0.017
SS-FSS-17-080-00	2.99E-02	9.39E-02	2.27E-01	U	1.22E-01	1.48E-01	2.90E-01	U	3.8	0.013
SS-FSS-17-081-00	9.86E-02	1.46E-01	3.36E-01	U	1.67E-01	1.51E-01	3.04E-01	U	5.2	0.029
SS-FSS-17-082-00	7.04E-02	9.20E-02	2.35E-01	U	6.37E-02	1.36E-01	2.60E-01	U	2.0	0.018
SS-FSS-17-083-00	-2.78E-02	9.98E-02	1.72E-01	U	3.65E-02	1.42E-01	2.67E-01	U	1.1	-0.004
SS-FSS-17-084-00	-7.70E-03	9.19E-02	1.87E-01	U	1.40E-01	1.40E-01	2.73E-01	U	4.3	0.006
SS-FSS-17-085-00	3.44E-02	1.16E-01	2.71E-01	U	1.97E-01	1.75E-01	3.47E-01	U	6.1	0.018
SS-FSS-17-085-00-D	4.05E-02	1.76E-01	3.44E-01	U	9.30E-02	1.76E-01	3.34E-01	U	2.9	0.013
SS-FSS-17-085-00-A	3.75E-02			U	1.69E-01			U	5.2	0.017
SS-FSS-17-086-00	-7.57E-02	1.23E-01	1.47E-01	U	9.87E-02	1.57E-01	3.00E-01	U	3.1	-0.010
SS-FSS-17-087-00	-5.36E-02	1.45E-01	2.42E-01	U	1.44E-01	1.34E-01	2.72E-01	U	4.5	-0.003
SS-FSS-17-088-00	1.68E-01	1.27E-01	3.39E-01	U	1.15E-02	1.48E-01	2.75E-01	U	0.4	0.034
SS-FSS-17-089-00	-3.35E-02	1.15E-01	2.17E-01	U	1.32E-01	1.51E-01	2.98E-01	U	4.1	0.001
SS-FSS-17-090-00	-2.90E-02	1.13E-01	1.92E-01	U	1.03E-01	1.36E-01	2.69E-01	U	3.2	0.000
SS-FSS-17-091-00	-4.61E-03	1.46E-01	2.72E-01	U	8.38E-02	1.60E-01	3.04E-01	U	2.6	0.004
SS-FSS-17-092-00	9.56E-02	8.56E-02	2.51E-01	U	1.45E-01	1.32E-01	2.70E-01	U	4.5	0.027
SS-FSS-17-093-00	8.04E-02	1.02E-01	2.62E-01	U	6.93E-02	1.42E-01	2.70E-01	U	2.1	0.020
SS-FSS-17-094-00	-1.56E-02	1.17E-01	2.28E-01	U	1.86E-01	1.41E-01	2.86E-01	U	5.8	0.007
SS-FSS-17-095-00	6.45E-02	1.19E-01	2.86E-01	U	9.98E-02	1.68E-01	3.23E-01	U	3.1	0.018
SS-FSS-17-096-00	-1.08E-01	1.41E-01	2.13E-01	U	2.47E-01	1.30E-01	2.64E-01	U	7.7	-0.008
SS-FSS-17-097-00	1.16E-01	1.12E-01	2.86E-01	U	1.25E-01	1.55E-01	3.02E-01	U	3.9	0.030

Survey Unit CE-FSS-17-07

One-Minute Static Field Measurement Results

Sample ID	Static Count Rate (cpm)	Ambient Background (cpm)	Net (cpm)	pCi/g
SS-FSS-17-078-00	4395	3389	1006	3.3
SS-FSS-17-079-00	3895	3389	506	1.7
SS-FSS-17-080-00	3575	3389	186	0.6
SS-FSS-17-081-00	4214	3389	825	2.7
SS-FSS-17-082-00	3447	3389	58	0.2
SS-FSS-17-083-00	3680	3389	291	1.0
SS-FSS-17-084-00	3542	3389	153	0.5
SS-FSS-17-085-00	3656	3389	267	0.9
SS-FSS-17-086-00	3522	3389	133	0.4
SS-FSS-17-087-00	3798	3389	409	1.4
SS-FSS-17-088-00	3833	3389	444	1.5
SS-FSS-17-089-00	3991	3389	602	2.0
SS-FSS-17-090-00	3995	3389	606	2.0
SS-FSS-17-091-00	3642	3389	253	0.8
SS-FSS-17-092-00	3794	3389	405	1.3
SS-FSS-17-093-00	3548	3389	159	0.5
SS-FSS-17-094-00	3966	3389	577	1.9
SS-FSS-17-095-00	3235	3389	-154	-0.5
SS-FSS-17-096-00	3707	3389	318	1.1
SS-FSS-17-097-00	3711	3389	322	1.1

Survey Unit CE-FSS-17-07

Final Status Survey Sample GPS Coordinates

Sample ID	X_Coord	Y_Coord
SS-FSS-17-078-00	608638.25982600000	382203.85983400000
SS-FSS-17-079-00	608638.25982600000	382128.29659500000
SS-FSS-17-080-00	608605.42909000000	382104.48407600000
SS-FSS-17-081-00	608583.61586200000	382142.26569500000
SS-FSS-17-082-00	608561.80263300000	382180.04731500000
SS-FSS-17-083-00	608539.98940500000	382142.26569500000
SS-FSS-17-084-00	608518.17617700000	382180.04731500000
SS-FSS-17-085-00	608496.36294900000	382142.26569500000
SS-FSS-17-086-00	608474.54972000000	382180.04731500000
SS-FSS-17-087-00	608452.73649200000	382142.26569500000
SS-FSS-17-088-00	608430.92326400000	382180.04731500000
SS-FSS-17-089-00	608409.11003600000	382217.82893400000
SS-FSS-17-090-00	608387.29680700000	382180.04731500000
SS-FSS-17-091-00	608365.48357900000	382217.82893400000
SS-FSS-17-092-00	608343.67035100000	382180.04731500000
SS-FSS-17-093-00	608321.85712300000	382217.82893400000
SS-FSS-17-094-00	608300.04389400000	382180.04731500000
SS-FSS-17-095-00	608321.85712300000	382293.39217400000
SS-FSS-17-096-00	608420.12754300000	382279.42307300000
SS-FSS-17-097-00	608572.82014100000	382241.64145300000

Descriptive Statistics Report

Summary Section of 17-07 Co-60

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
20	0.0262345	7.111554E-02	1.590192E-02	-0.108	0.168	0.276

Counts Section of 17-07 Co-60

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
35	20	15	20	0.52469	0.109856	9.609098E-02

Means Section of 17-07 Co-60

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.0262345	0.03365	7.097781E-02	-5.319967E-02	0.52469	
Std Error	1.590192E-02				0.3180384	
95% LCL	-7.048598E-03	-0.0278	4.977326E-02	0.1073406	-0.1409719	
95% UCL	0.0595176	0.0804	0.101216	-2.131725E-02	1.190352	
T-Value	1.6498					
Prob Level	0.115425					
Count	20		11	20		

The geometric mean confidence interval assumes that the ln(y) are normally distributed.
The harmonic mean confidence interval assumes that the 1/y are normally distributed.

Variation Section of 17-07 Co-60

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	5.05742E-03	7.111554E-02	7.205702E-02	1.590192E-02	0.110225	0.276
Std Error	1.279559E-03	1.272274E-02		2.844892E-03		
95% LCL	2.924937E-03	5.408268E-02		1.209326E-02		
95% UCL	1.078884E-02	0.1038693		2.322589E-02		

Skewness and Kurtosis Section of 17-07 Co-60

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	1.408318E-02	2.280243	1.525177E-02	-0.5659571	2.710764	1.747266
Std Error	0.3645907	0.3316181			1.633635	

Trimmed Section of 17-07 Co-60

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	2.581611E-02	2.652437E-02	2.709929E-02	0.026439	0.026165	0.03365
Trim-Std Dev	5.839595E-02	5.133212E-02	4.633104E-02	3.856614E-02	2.768454E-02	5.303301E-03
Count	18	16	14	10	6	2

Mean-Deviation Section of 17-07 Co-60

Parameter	|X-Mean|	|X-Median|	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	5.916205E-02	0.0587955	4.804549E-03	4.690075E-06	5.263644E-05
Std Error	9.556118E-03		1.215581E-03	1.21597E-04	2.409378E-05

Descriptive Statistics Report

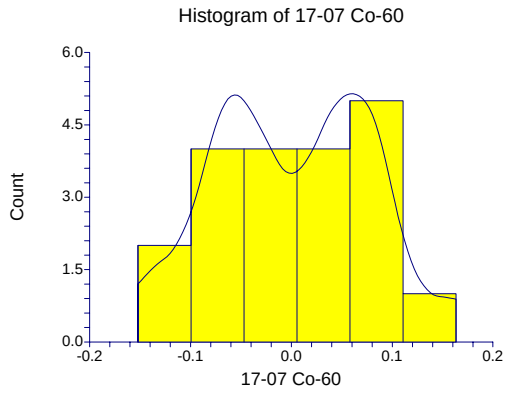
Quartile Section of 17-07 Co-60

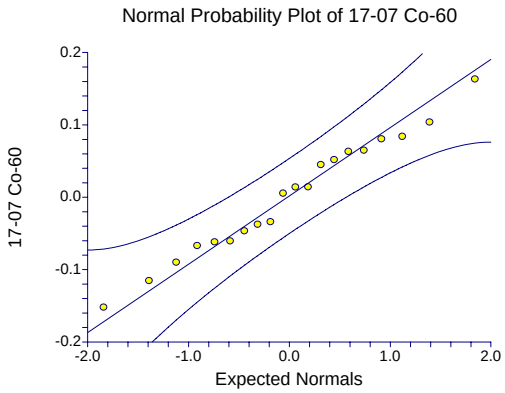
Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-0.07349	-0.0287	0.03365	0.081525	0.11426
95% LCL		-0.108	-0.0278	0.0374	
95% UCL		-0.00461	0.0804	0.116	

Normality Test Section of 17-07 Co-60

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9811407	0.947962			Can't reject normality
Anderson-Darling	0.2210828	0.832399			Can't reject normality
Martinez-Iglewicz	0.9896187		1.216194	1.357297	Can't reject normality
Kolmogorov-Smirnov	0.1177555		0.176	0.192	Can't reject normality
D'Agostino Skewness	0.0317	0.974745	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	-0.4936	0.621601	1.645	1.960	Can't reject normality
D'Agostino Omnibus	0.2446	0.884871	4.605	5.991	Can't reject normality

Plots Section of 17-07 Co-60





Percentile Section of 17-07 Co-60

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.168			
95.0	0.1654			
90.0	0.11426			
85.0	0.09815	0.0645	0.168	95.5319
80.0	0.09286	0.0645	0.168	95.6328
75.0	0.081525	0.0374	0.116	96.1823
70.0	0.0774	0.0299	0.116	97.5218
65.0	0.068335	-0.00461	0.0986	96.8303
60.0	0.0537	-0.0077	0.0956	96.3010
55.0	0.037455	-0.0156	0.0819	95.9722
50.0	0.03365	-0.0278	0.0804	95.8611
45.0	0.0109195	-0.029	0.0704	95.9722
40.0	-0.006464	-0.0335	0.0645	96.3010
35.0	-0.012835	-0.0536	0.0375	96.8303
30.0	-0.02414	-0.0757	0.0374	97.5218
25.0	-0.0287	-0.108	-0.00461	95.5904
20.0	-0.0326	-0.108	-0.0077	95.6328
15.0	-0.050585	-0.108	-0.0077	95.5319
10.0	-0.07349			
5.0	-0.106385			
1.0	-0.108			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of 17-07 Co-60

Depth	Stem	Leaves
1	-1*	0
3	.	75
9	-0*	322100
(3)	0*	233
8	.	678899
2	1*	1
1	.	6

Unit = .01 Example: 1 |2 Represents 0.12

Descriptive Statistics Report

Summary Section of 17-07 Total U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
20	3.421	1.787329	0.399659	0.36	7.66	7.3

Counts Section of 17-07 Total U

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
35	20	15	19	68.42	294.7612	60.69638

Means Section of 17-07 Total U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	3.421	3.485	2.801576	1.928934	68.42	4.5
Std Error	0.399659				7.99318	
95% LCL	2.584504	2.15	1.962741	1.221071	51.69008	
95% UCL	4.257496	4.46	3.998912	4.589502	85.14992	
T-Value	8.5598					
Prob Level	0.000000					
Count	20		20	20		2

The geometric mean confidence interval assumes that the ln(y) are normally distributed.
The harmonic mean confidence interval assumes that the 1/y are normally distributed.

Variation Section of 17-07 Total U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	3.194546	1.787329	1.810991	0.399659	2.3475	7.3
Std Error	1.019459	0.4033206		9.018521E-02		
95% LCL	1.847552	1.359247		0.3039368		
95% UCL	6.814828	2.610523		0.5837306		

Skewness and Kurtosis Section of 17-07 Total U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	0.2618682	3.036814	0.2835973	0.4205522	0.5224581	0.4002869
Std Error	0.3898853	0.6020408			9.310661E-02	

Trimmed Section of 17-07 Total U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	3.355556	3.37875	3.410714	3.464	3.515	3.485
Trim-Std Dev	1.399169	1.145512	0.9350974	0.7656109	0.453288	0.417193
Count	18	16	14	10	6	2

Mean-Deviation Section of 17-07 Total U

Parameter	|X-Mean|	|X-Median|	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	1.395	1.395	3.034819	1.384465	27.96944
Std Error	0.2401716		0.9684864	2.415693	15.33635

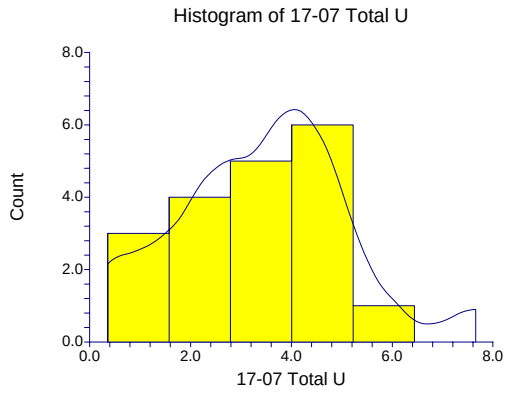
Quartile Section of 17-07 Total U

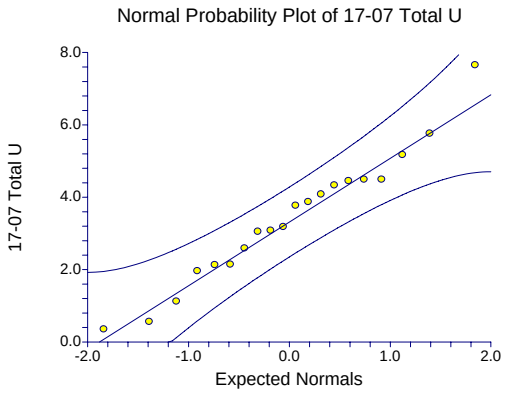
Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	0.626	2.1425	3.485	4.49	5.711
95% LCL		0.36	2.15	3.78	
95% UCL		3.09	4.46	5.77	

Normality Test Section of 17-07 Total U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9741329	0.838578			Can't reject normality
Anderson-Darling	0.2141685	0.850684			Can't reject normality
Martinez-Iglewicz	1.034136		1.216194	1.357297	Can't reject normality
Kolmogorov-Smirnov	0.1230236		0.176	0.192	Can't reject normality
D'Agostino Skewness	0.5847	0.558775	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	0.6509	0.515114	1.645	1.960	Can't reject normality
D'Agostino Omnibus	0.7655	0.681985	4.605	5.991	Can't reject normality

Plots Section of 17-07 Total U





Percentile Section of 17-07 Total U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	7.66			
95.0	7.5655			
90.0	5.711			
85.0	5.078	4.09	7.66	95.5319
80.0	4.5	4.09	7.66	95.6328
75.0	4.49	3.78	5.77	96.1823
70.0	4.424	3.19	5.77	97.5218
65.0	4.2525	3.09	5.18	96.8303
60.0	4.006	3.06	4.5	96.3010
55.0	3.835	2.6	4.5	95.9722
50.0	3.485	2.15	4.46	95.8611
45.0	3.135	2.14	4.34	95.9722
40.0	3.072	1.97	4.09	96.3010
35.0	2.761	1.13	3.88	96.8303
30.0	2.285	0.57	3.78	97.5218
25.0	2.1425	0.36	3.09	95.5904
20.0	2.004	0.36	3.06	95.6328
15.0	1.256	0.36	3.06	95.5319
10.0	0.626			
5.0	0.3705			
1.0	0.36			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of 17-07 Total U

Depth	Stem	Leaves
2	0	35
4	1	19
7	2	116
(5)	3	00178
8	4	03455
3	5	17
1	6	
1	7	6

Unit = .1 Example: 1 |2 Represents 1.2

Descriptive Statistics Report

Summary Section of 17-07 SOF

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
20	0.0113	1.307106E-02	2.922778E-03	-0.01	0.034	0.044

Counts Section of 17-07 SOF

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
35	20	15	19	0.226	0.0058	0.0032462

Means Section of 17-07 SOF

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.0113	0.012	1.264572E-02	1.422452E-02	0.226	0.018
Std Error	2.922778E-03				5.845556E-02	
95% LCL	5.182555E-03	0.001	7.528346E-03	5.067018E-03	0.1036511	
95% UCL	1.741744E-02	0.018	0.0212416	-0.0176204	0.3483489	
T-Value	3.8662					
Prob Level	0.001040					
Count	20		15	19		2

The geometric mean confidence interval assumes that the ln(y) are normally distributed.
The harmonic mean confidence interval assumes that the 1/y are normally distributed.

Variation Section of 17-07 SOF

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.708526E-04	1.307106E-02	0.0132441	2.922778E-03	0.01925	0.044
Std Error	3.735966E-05	2.02105E-03		4.519205E-04		
95% LCL	9.881188E-05	9.940417E-03		2.222745E-03		
95% UCL	3.644747E-04	1.909122E-02		4.268927E-03		

Skewness and Kurtosis Section of 17-07 SOF

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	6.513739E-02	1.956296	0.0705423	-0.9883591	1.156731	0.9083334
Std Error	0.3066821	0.3043495			0.3100342	

Trimmed Section of 17-07 SOF

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	1.122222E-02	0.01125	1.107143E-02	0.0111	1.166667E-02	0.012
Trim-Std Dev	1.157358E-02	1.018168E-02	8.800912E-03	6.261878E-03	4.546061E-03	1.414214E-03
Count	18	16	14	10	6	2

Mean-Deviation Section of 17-07 SOF

Parameter	|X-Mean|	|X-Median|	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.0109	0.0109	1.6231E-04	1.34694E-07	5.153771E-08
Std Error	1.756418E-03		3.549167E-05	6.351652E-07	1.665636E-08

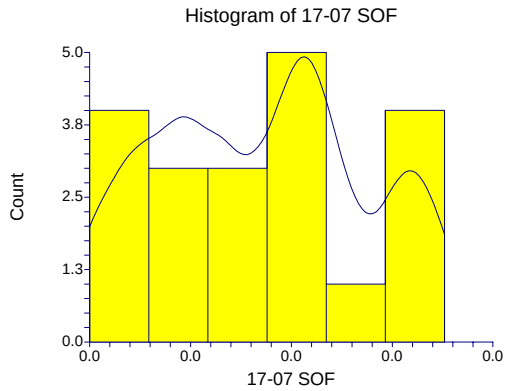
Quartile Section of 17-07 SOF

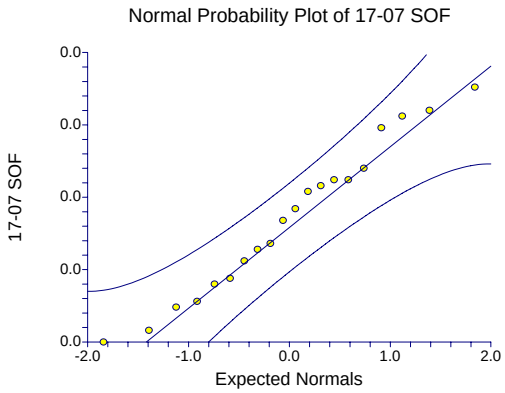
Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-0.0076	0.00025	0.012	0.0195	0.0299
95% LCL		-0.01	0.001	0.013	
95% UCL		0.007	0.018	0.03	

Normality Test Section of 17-07 SOF

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9659765	0.668679			Can't reject normality
Anderson-Darling	0.2193172	0.837182			Can't reject normality
Martinez-Iglewicz	0.951682		1.216194	1.357297	Can't reject normality
Kolmogorov-Smirnov	8.465174E-02		0.176	0.192	Can't reject normality
D'Agostino Skewness	0.1464	0.883636	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	-1.2335	0.217401	1.645	1.960	Can't reject normality
D'Agostino Omnibus	1.5429	0.462350	4.605	5.991	Can't reject normality

Plots Section of 17-07 SOF





Percentile Section of 17-07 SOF

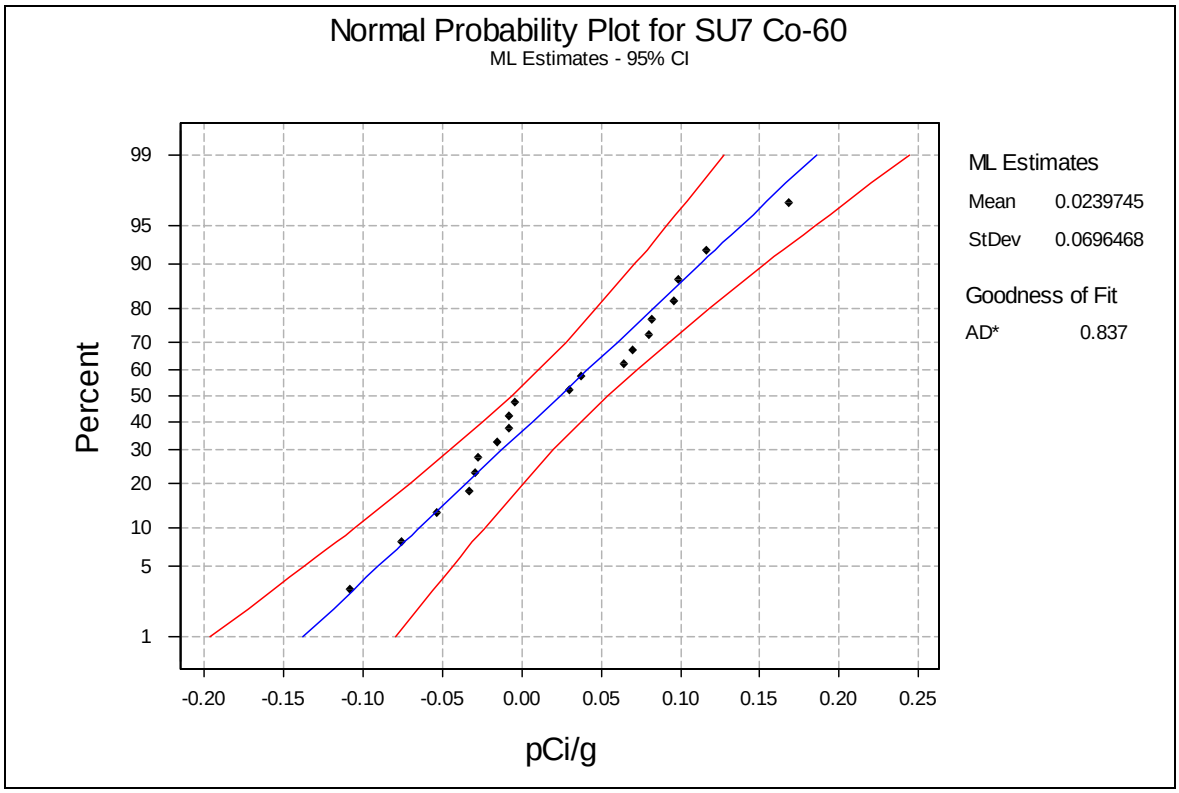
Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.034			
95.0	0.0338			
90.0	0.0299			
85.0	0.0287	0.017	0.034	95.5319
80.0	0.0256	0.017	0.034	95.6328
75.0	0.0195	0.013	0.03	96.1823
70.0	0.018	0.011	0.03	97.5218
65.0	0.01765	0.007	0.029	96.8303
60.0	0.0166	0.006	0.027	96.3010
55.0	0.01465	0.004	0.02	95.9722
50.0	0.012	0.001	0.018	95.8611
45.0	0.0088	0	0.018	95.9722
40.0	0.0064	-0.003	0.017	96.3010
35.0	0.0047	-0.004	0.016	96.8303
30.0	0.0019	-0.008	0.013	97.5218
25.0	0.00025	-0.01	0.007	95.5904
20.0	-0.0024	-0.01	0.006	95.6328
15.0	-0.00385	-0.01	0.006	95.5319
10.0	-0.0076			
5.0	-0.0099			
1.0	-0.01			

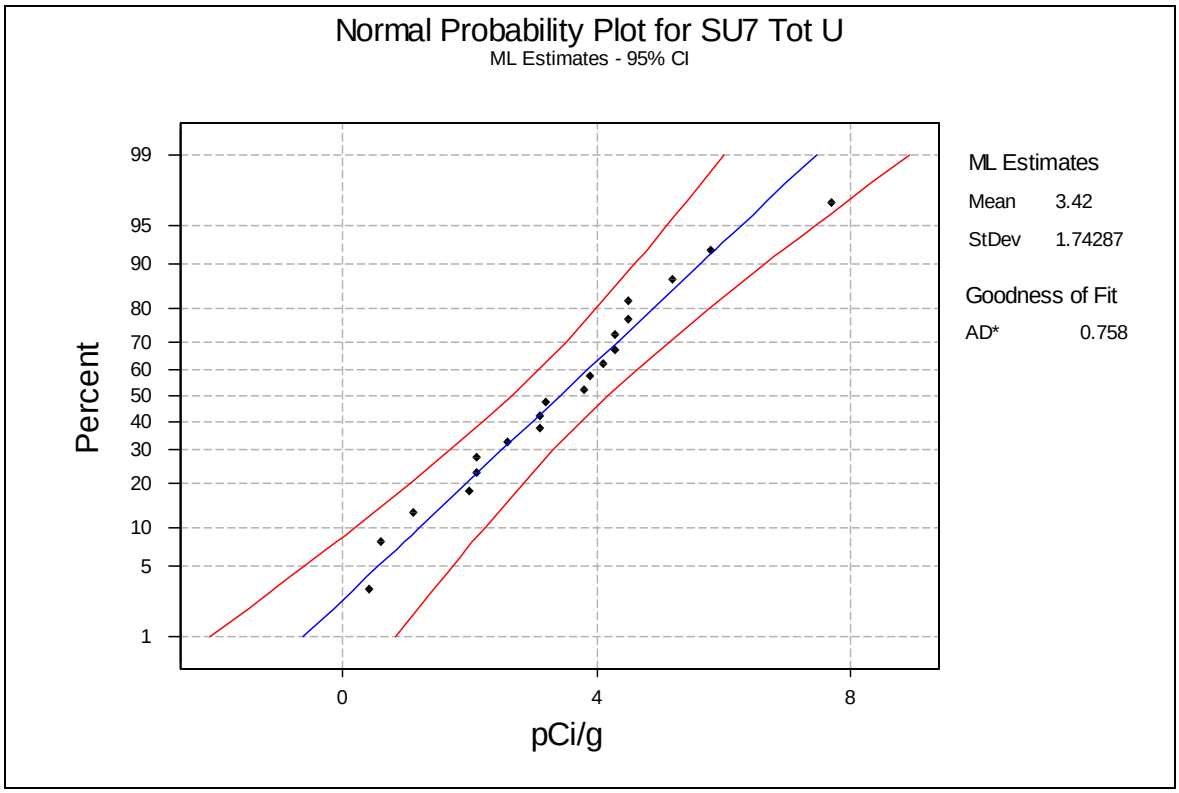
Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of 17-07 SOF

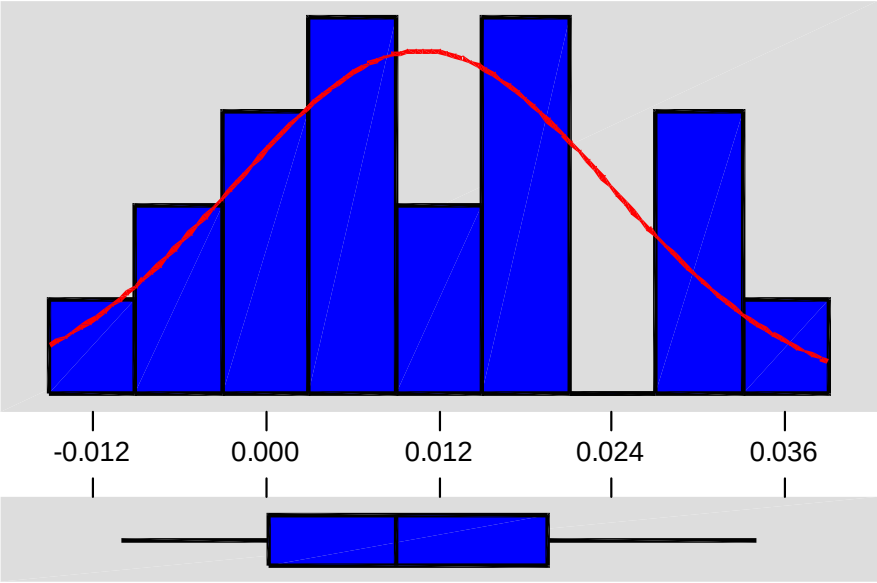
Depth	Stem	Leaves
1	-1*	0
2	.	8
4	-0*	43
7	0*	014
9	.	67
(2)	1*	13
9	.	6788
5	2*	0
4	.	79
2	3*	04

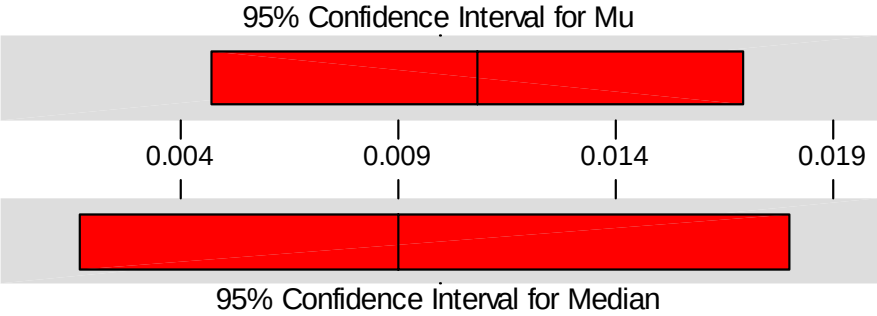
Unit = .001 Example: 1 |2 Represents 0.012


Normal Probability Plot for SU7 Co-60
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
-0.20
-0.15
-0.10
-0.05
0.00
0.05
0.10
0.15
0.20
0.25
pCi/g
ML Estimates
Mean 0.0239745
StDev 0.0696468
Goodness of Fit
AD* 0.837


Normal Probability Plot for SU7 Tot U
ML Estimates - 95% CI
Percent
99
95
90
80
70
60
50
40
30
20
10
5
1
0
4
8
pCi/g
ML Estimates
Mean 3.42
StDev 1.74287
Goodness of Fit
AD* 0.758

Descriptive Statistics





Variable: SU7 SOF

Anderson-Darling Normality Test

A-Squared:	0.237
P-Value:	0.752
Mean	1.08E-02
StDev	1.31E-02
Variance	1.71E-04
Skewness	0.191449
Kurtosis	-9.7E-01
N	20
Minimum	-1.0E-02
1st Quartile	2.50E-04
Median	9.00E-03
3rd Quartile	1.95E-02
Maximum	3.40E-02

95% Confidence Interval for Mu

4.68E-03	1.69E-02

95% Confidence Interval for Sigma

9.94E-03	1.91E-02

95% Confidence Interval for Median

1.71E-03	1.80E-02

One-Sample T-Test Report

Page 1
Variable 17-07 SOF

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
17-07 SOF	20	0.0113	1.307106E-02	2.922778E-03	5.182555E-03	1.741744E-02

T for Confidence Limits = 2.0930

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality	0.1464	0.883636	Cannot reject normality
Kurtosis Normality	-1.2335	0.217401	Cannot reject normality
Omnibus Normality	1.5429	0.462350	Cannot reject normality
Correlation Coefficient			

T-Test For Difference Between Mean and Value Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
17-07 SOF<>1	-338.2741	0.000000	Reject Ho	1.000000	1.000000
17-07 SOF<1	-338.2741	0.000000	Reject Ho	1.000000	1.000000
17-07 SOF>1	-338.2741	1.000000	Accept Ho	0.000000	0.000000

Nonparametric Tests Section

Quantile (Sign) Test

Hypothesized Value	Quantile	Number Lower	Number Higher	Prob Lower	Prob Higher	Prob Both
1	0.5	20	0	1.000000	0.000001	0.000002

Wilcoxon Signed-Rank Test for Difference in Medians

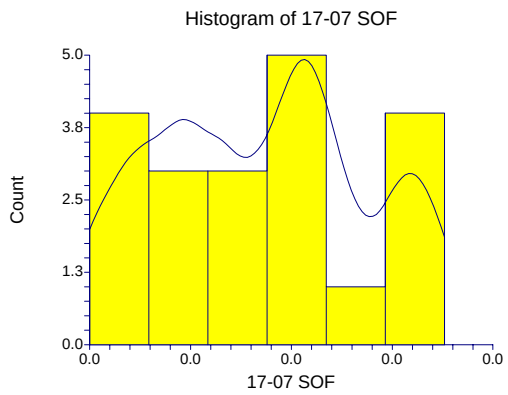
W Sum Ranks	Mean of W	Std Dev of W	Number of Zeros	Number Sets of Ties	Multiplicity Factor
0	105	26.78386	0	1	6

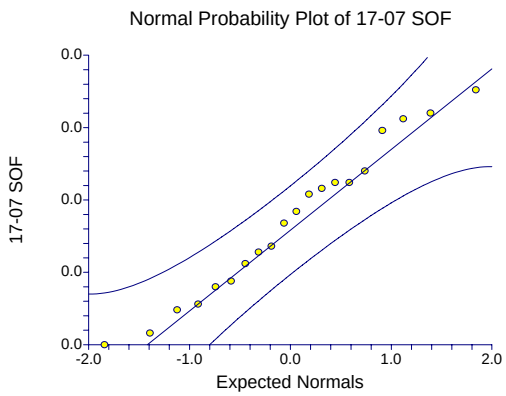
	Exact Probability		Approximation Without Continuity Correction			Approximation With Continuity Correction		
Alternative Hypothesis	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)
Median<>1			3.9203	0.000088	Reject Ho	3.9016	0.000096	Reject Ho
Median<1			-3.9203	0.000044	Reject Ho	-3.9016	0.000048	Reject Ho
Median>1			-3.9203	0.999956	Accept Ho	-3.9389	0.999959	Accept Ho

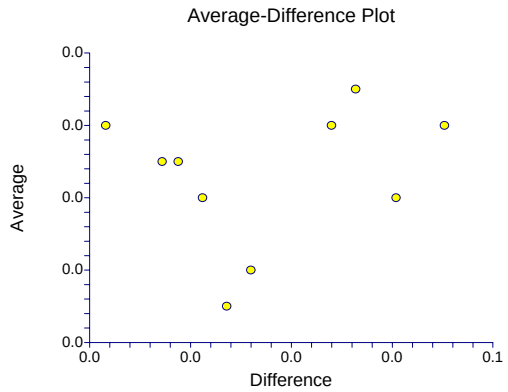
One-Sample T-Test Report

Page 2
Variable 17-07 SOF

Plots Section



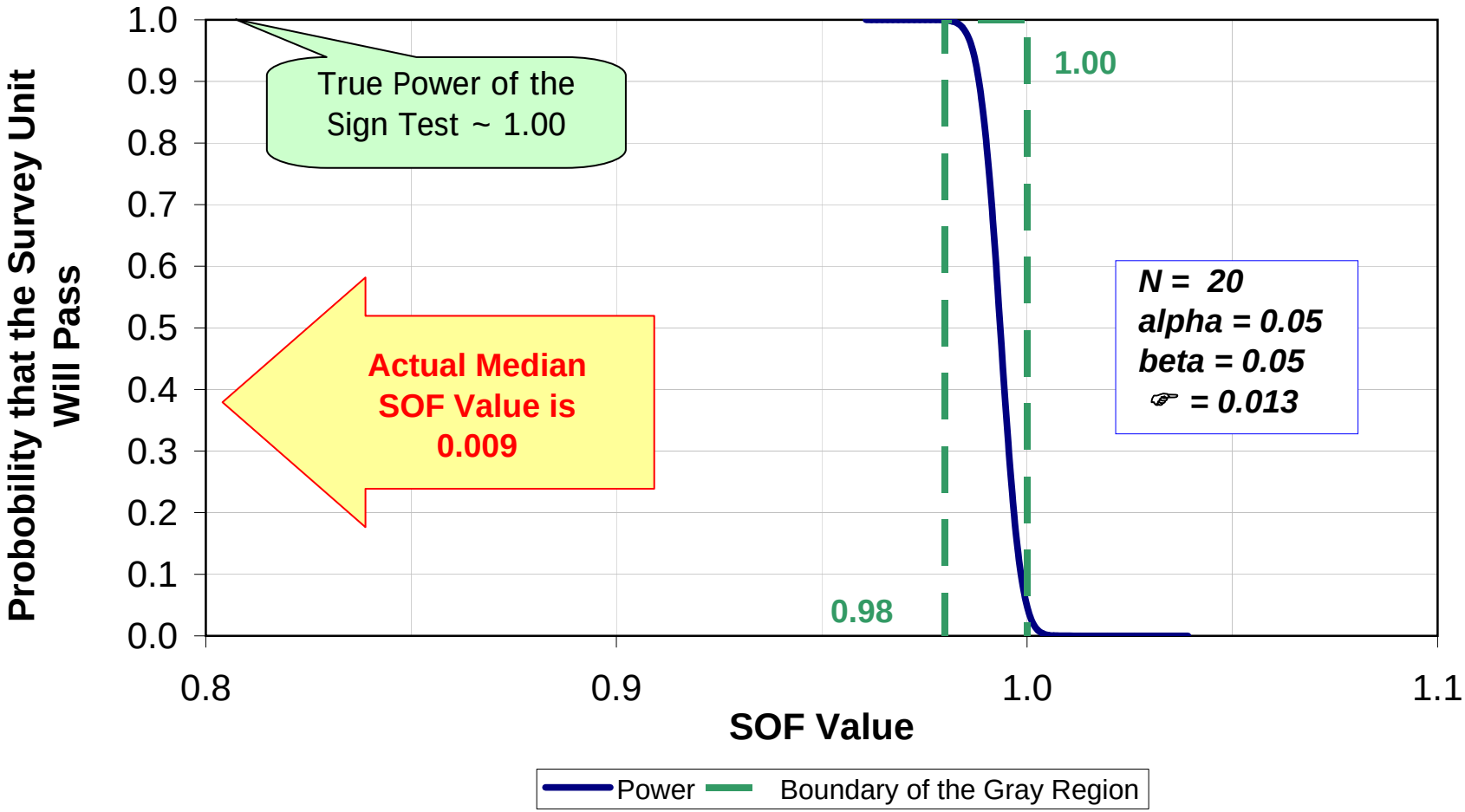




Retrospective Power of the Sign Test

Surface Soil Volumetric Measurements SOF Values

Survey Unit CE-FSS-17-07



RADIOLOGICAL SURVEY MAP

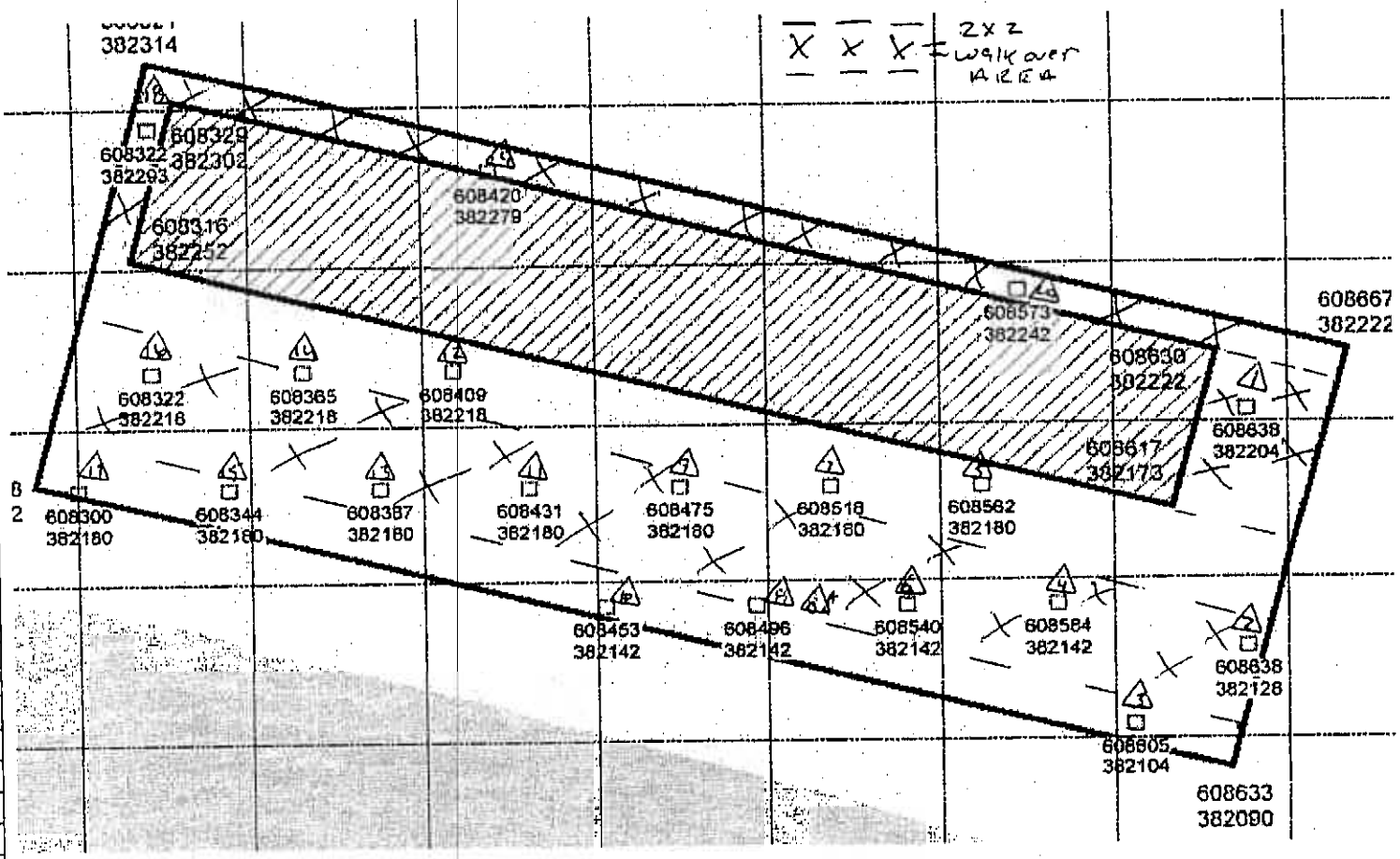
Survey Unit N0: CE-FSS-17-07

Surveyor Team (print names): M. Plonski

Page 1 of 1

Location	Static Count
SS-FSS-17-78-00	4395
79-00	3895
80-00	3575
81-00	4214
82	3447
83	3680
84	3542
85	3656
85-DUP	3656
86	3522
87	3798
88	3833
89	3991
90	3995
91	3642
92	3794
93	3548
94	3966
95	3235
96	3707
97	3711
~~98 mp~~	

Comments



Instrument:	Ser. No:	Background (cpm):	Key
2350-1	175852	3389	== - Direct Scan
Technician Signature & Date: MLP 5/12/05	Technician Signature & Date:		Δ - Volumetric Sample

MACTEC, Inc.

CHAIN OF CUSTODY FORM Page 1 of 2

Project Info		Laboratory Info		INVOICE (if other than MACTEC contact)	
MACTEC Contact	Project No	Laboratory Name	Phone	Company Name	Phone
Project Title	Purchase Order No.	Lab Contact	Fax	Company Contact	Fax
Address		Address		Address	
City/State/Zip		City/State/Zip		City/State/Zip	

Special Handling Instructions

Sample ID No.	Date Collected	Time	Type[1]	Media	Volume	Description if necessary	Analysis					
SS-FSS-17-078-00	5/12/2005	820	Rad	Soil	1 Pint							
SS-FSS-17-079-00	5/12/2005	805	Rad	Soil	1 Pint							
SS-FSS-17-080-00	5/12/2005	900	Rad	Soil	1 Pint							
SS-FSS-17-081-00	5/12/2005	825	Rad	Soil	1 Pint							
SS-FSS-17-082-00	5/12/2005	840	Rad	Soil	1 Pint							
SS-FSS-17-083-00	5/12/2005	850	Rad	Soil	1 Pint							
SS-FSS-17-084-00	5/12/2005	905	Rad	Soil	1 Pint							
SS-FSS-17-085-00	5/12/2005	830	Rad	Soil	1 Pint							
SS-FSS-17-085-00-Dup	5/12/2005	830	Rad	Soil	1 Pint							
SS-FSS-17-086-00	5/12/2005	845	Rad	Soil	1 Pint							
SS-FSS-17-087-00	5/12/2005	855	Rad	Soil	1 Pint							
SS-FSS-17-088-00	5/12/2005	905	Rad	Soil	1 Pint							
SS-FSS-17-089-00	5/12/2005	920	Rad	Soil	1 Pint							
SS-FSS-17-090-00	5/12/2005	930	Rad	Soil	1 Pint							
SS-FSS-17-091-00	5/12/2005	940	Rad	Soil	1 Pint							

Relinquished By:	Michael Plunsk	Received By:		[1]Type
Signed/Date/Time	5/12/05 1000	Signed/Date/Time		RS-Radioactive
Received By:	STEVEN KAPETAN	Relinquished By:		Chem-Chemical
Signed/Date/Time	Steven Kapetan 5/12/05 1000	Signed/Date/Time		Mix-Rad+Chemical
Relinquished By:		Received By:		Chem-Chemical
Signed/Date/Time		Signed/Date/Time		Mix-Rad+Chemical

MACTEC, Inc.

CHAIN OF CUSTODY FORM Page 2 of 2

Project Info		Laboratory Info		INVOICE (if other than MACTEC contact)	
MACTEC Contact	Project No	Laboratory Name	Phone	Company Name	Phone
Project Title	Purchase Order No.	Lab Contact	Fax	Company Contact	Fax
Address		Address		Address	
City/State/Zip		City/State/Zip		City/State/Zip	
Special Handling Instructions					

Sample ID No.	Date Collected	Time	Type[1]	Media	Volume	Description if necessary	Analysis					
SS-FSS-17-092-00	5/12/2005	915	Rad	Soil	1 Pint							
SS-FSS-17-093-00	5/12/2005	925	Rad	Soil	1 Pint							
SS-FSS-17-094-00	5/12/2005	938	Rad	Soil	1 Pint							
SS-FSS-17-095-00	5/12/2005	940	Rad	Soil	1 Pint							
SS-FSS-17-096-00	5/12/2005	945	Rad	Soil	1 Pint							
SS-FSS-17-097-00	5/12/2005	815	Rad	Soil	1 Pint							

Relinquished By:	Michael Plonsk	Received By:		RS-Radioactive
Signed/Date/Time	MPM 5/12/05 1000	Signed/Date/Time		Chem-Chemical
Received By:	STEVEN KAPETAN	Relinquished By:		Mix-Rad+Chemical
Signed/Date/Time	Steven Kapetan 5/12/05 1000	Signed/Date/Time		Chem-Chemical
Relinquished By:		Received By:		Mix-Rad+Chemical
Signed/Date/Time		Signed/Date/Time		

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: ss-fss-17-078-00
Sample Title: ss-fss-17-078-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.965E+002 g
Sample Taken On: 5/12/2005 8:20:00 AM
Acquisition Started: 5/14/2005 1:34:29 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.52E+001	4.19E+000	2.96E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.99E-003	1.13E-001	2.24E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.08E-002	9.87E-002	1.73E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.74E-002	1.25E-001	2.81E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.82E-002	2.64E-001	4.94E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-3.56E-002	1.08E-001	2.09E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.07E-002	2.68E-001	5.01E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.23E-001	1.19E-001	1.69E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.73E-002	1.14E-001	2.18E-001
TL-208	NOT FOUND/DATA for 583.19 keV			4.27E-001	1.69E-001	3.95E-001
PB-212	1.65E+000	4.86E-001	4.92E-001	FOUND		
BI-214	5.99E-001	4.15E-001	4.71E-001	FOUND		
PB-214	9.19E-001	2.98E-001	5.12E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.10E+000	2.52E+000	5.05E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.20E+000	6.89E-001	1.56E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.20E+000	4.49E+001	8.37E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.13E+000	3.77E+000	6.68E+000
PA-234	NOT FOUND/DATA for 927.10 keV			-7.58E-001	1.20E+000	9.70E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			5.57E-001	1.95E+001	3.91E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.52E+000	1.83E+000	3.40E+000
U-234	NOT FOUND/DATA for 53.20 keV			-9.42E+001	3.60E+002	6.47E+002
U-235	NOT FOUND/DATA for 185.71 keV			6.89E-002	1.52E-001	2.88E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.52E+000	1.83E+000	3.40E+000
AM-241	NOT FOUND/DATA for 59.54 keV			6.97E-002	6.63E-001	1.27E+000

Uncertainty reported at 2.0 sigma

****
***** C E R T I F I C A T E O F A N A L Y S I S *****
****

Site Location: CE Windsor
Sample ID: ss-fss-17-079-00
Sample Title: ss-fss-17-079-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.370E+002 g
Sample Taken On: 5/12/2005 8:05:00 AM
Acquisition Started: 5/14/2005 4:24:50 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.63E+001	1.16E+001	2.44E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			6.46E-002	9.10E-002	2.21E-001
CO-57	NOT FOUND/DATA for 122.06 keV			7.01E-003	1.09E-001	1.89E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			8.19E-002	1.53E-001	3.41E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.80E-002	2.63E-001	5.08E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-7.19E-002	1.26E-001	2.15E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.61E-001	3.19E-001	6.53E-001
CS-134	NOT FOUND/DATA for 604.70 keV			7.24E-002	9.01E-002	2.03E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.10E-002	1.67E-001	3.14E-001
TL-208	3.84E-001	1.58E-001	2.28E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			7.20E-001	2.88E-001	6.04E-001
BI-214	9.73E-001	9.38E-001	3.45E-001	FOUND		
PB-214	1.07E+000	8.09E-001	4.85E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			9.30E-001	2.55E+000	4.80E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.20E+000	7.24E-001	1.64E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.38E+001	5.02E+001	9.71E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-1.45E+000	4.46E+000	7.43E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-5.33E-002	4.18E-001	7.03E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			9.02E+000	2.04E+001	4.51E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.92E+000	2.10E+000	4.09E+000
U-234	NOT FOUND/DATA for 53.20 keV			5.55E+001	3.71E+002	7.22E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.83E-002	1.52E-001	2.83E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.92E+000	2.10E+000	4.09E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.17E-001	6.34E-001	1.26E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: ss-fss-17-080-00
Sample Title: ss-fss-17-080-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.900E+002 g
Sample Taken On: 5/12/2005 9:00:00 AM
Acquisition Started: 5/14/2005 2:09:27 PM
Live Time: 600.0 seconds
Real Time: 601.1 seconds
Dead Time: 0.18 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.47E+001	4.11E+000	1.48E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.19E-002	6.88E-002	1.63E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-8.40E-002	1.03E-001	1.58E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.99E-002	9.39E-002	2.27E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			4.57E-002	2.33E-001	4.99E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-7.05E-003	1.02E-001	1.79E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.56E-002	2.52E-001	4.87E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.55E-003	1.17E-001	2.09E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-3.78E-003	1.11E-001	2.20E-001
TL-208	5.09E-001	1.60E-001	2.27E-001	FOUND		
PB-212	8.10E-001	2.92E-001	5.18E-001	FOUND		
BI-214	5.46E-001	4.44E-001	5.29E-001	FOUND		
PB-214	9.40E-001	2.34E-001	3.96E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.82E+000	2.42E+000	4.69E+000
AC-228	NOT FOUND/DATA for 911.21 keV			5.92E-001	5.53E-001	1.25E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.42E+001	3.58E+001	7.04E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.13E+000	4.35E+000	7.58E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.72E-001	4.45E-001	6.60E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			6.56E-001	1.45E+001	3.15E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-9.52E-001	1.94E+000	3.16E+000
U-234	NOT FOUND/DATA for 53.20 keV			4.63E+001	3.54E+002	6.66E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.22E-001	1.48E-001	2.90E-001
U-238	NOT FOUND/DATA for 92.60 keV			-9.52E-001	1.94E+000	3.16E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.84E-001	6.45E-001	1.29E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: ss-fss-17-081-00
Sample Title: ss-fss-17-081-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.465E+002 g
Sample Taken On: 5/12/2005 8:25:00 AM
Acquisition Started: 5/14/2005 3:37:52 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.62E+001	4.48E+000	3.32E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-2.83E-002	1.36E-001	2.42E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.16E-002	1.05E-001	1.84E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			9.86E-002	1.46E-001	3.36E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-7.09E-003	2.33E-001	4.65E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-4.97E-002	1.24E-001	2.25E-001
SB-125	NOT FOUND/DATA for 427.89 keV			9.10E-002	3.18E-001	6.27E-001
CS-134	NOT FOUND/DATA for 604.70 keV			3.18E-002	1.16E-001	2.30E-001
CS-137	NOT FOUND/DATA for 661.66 keV			0.00E+000	1.43E-001	2.75E-001
TL-208	NOT FOUND/DATA for 583.19 keV			4.07E-001	1.86E-001	4.21E-001
PB-212	1.27E+000	3.01E-001	5.77E-001	FOUND		
BI-214	7.79E-001	1.25E+000	4.95E-001	FOUND		
PB-214	9.77E-001	9.13E-001	6.44E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.37E+000	2.58E+000	5.10E+000
AC-228	NOT FOUND/DATA for 338.32 keV			5.81E-001	8.46E-001	1.64E+000
TH-230	NOT FOUND/DATA for 67.67 keV			5.00E+000	4.65E+001	8.79E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.52E+000	3.85E+000	7.20E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-4.45E-001	5.51E-001	7.30E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.28E+001	1.98E+001	4.45E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.41E+000	2.30E+000	4.05E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.29E+001	3.84E+002	7.25E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.67E-001	1.51E-001	3.04E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.41E+000	2.30E+000	4.05E+000
AM-241	NOT FOUND/DATA for 59.54 keV			4.47E-001	7.69E-001	1.53E+000

Uncertainty reported at 2.0 sigma

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***** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: ss-fss-17-082-00
Sample Title: ss-fss-17-082-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.286E+002 g
Sample Taken On: 5/12/2005 8:40:00 AM
Acquisition Started: 5/14/2005 3:49:22 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.97E+001	3.52E+000	2.71E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			8.66E-002	1.04E-001	2.34E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-4.71E-002	1.04E-001	1.70E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			7.04E-002	9.20E-002	2.35E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.42E-001	2.61E-001	4.13E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	2.06E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.80E-001	2.51E-001	5.42E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-9.87E-002	1.25E-001	1.69E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.72E-002	1.25E-001	2.60E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.96E-001	1.67E-001	3.82E-001
PB-212	9.96E-001	2.48E-001	5.08E-001	FOUND		
BI-214	8.24E-001	9.86E-001	3.88E-001	FOUND		
PB-214	6.86E-001	2.55E-001	4.79E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.36E+000	2.22E+000	4.60E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.94E-001	6.61E-001	1.47E+000
TH-230	NOT FOUND/DATA for 67.67 keV			9.89E+000	3.21E+001	6.28E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.92E+000	3.66E+000	6.80E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-3.83E-001	4.66E-001	6.09E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-7.77E+000	1.81E+001	2.99E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.33E-001	1.84E+000	3.20E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.01E+002	3.57E+002	6.92E+002
U-235	NOT FOUND/DATA for 185.71 keV			6.37E-002	1.36E-001	2.60E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.33E-001	1.84E+000	3.20E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.78E-001	6.54E-001	1.17E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: ss-fss-17-083-00
Sample Title: ss-fss-17-083-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.028E+002 g
Sample Taken On: 5/12/2005 8:50:00 AM
Acquisition Started: 5/14/2005 2:30:54 PM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.75E+001	1.12E+001	3.53E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			7.61E-002	1.07E-001	2.42E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-5.97E-002	9.67E-002	1.55E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-2.78E-002	9.98E-002	1.72E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.79E-001	2.56E-001	4.28E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-2.25E-002	1.00E-001	2.07E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.76E-001	2.45E-001	5.30E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-9.03E-002	1.23E-001	1.98E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.60E-002	1.24E-001	2.26E-001
TL-208	2.93E-001	1.38E-001	2.33E-001	FOUND		
PB-212	8.59E-001	2.50E-001	5.82E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			1.03E+000	3.82E-001	8.65E-001
PB-214	NOT FOUND/DATA for 351.92 keV			8.35E-001	3.24E-001	7.19E-001
RA-226	NOT FOUND/DATA for 186.10 keV			2.81E+000	2.34E+000	4.73E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.43E-001	5.58E-001	1.28E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.08E+001	4.51E+001	7.97E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.24E+000	3.74E+000	6.94E+000
PA-234	NOT FOUND/DATA for 131.20 keV			9.12E-002	4.01E-001	7.02E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			6.85E-001	2.10E+001	4.09E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.03E-001	1.99E+000	3.43E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.44E+002	3.76E+002	7.52E+002
U-235	NOT FOUND/DATA for 185.71 keV			3.65E-002	1.42E-001	2.67E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.03E-001	1.99E+000	3.43E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-3.50E-001	7.23E-001	1.29E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: ss-fss-17-084-00
Sample Title: ss-fss-17-084-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.522E+002 g
Sample Taken On: 5/12/2005 9:05:00 AM
Acquisition Started: 5/14/2005 1:45:37 PM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.17 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.81E+001	9.75E+000	3.23E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			9.09E-002	8.84E-002	2.17E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.67E-003	9.22E-002	1.59E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-7.70E-003	9.19E-002	1.87E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.15E-001	2.36E-001	3.66E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.12E-002	1.13E-001	2.06E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.29E-001	2.17E-001	4.63E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.02E-002	1.12E-001	1.85E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-3.47E-002	1.26E-001	2.28E-001
TL-208	NOT FOUND/DATA for 583.19 keV			1.69E-001	1.61E-001	3.29E-001
PB-212	1.21E+000	5.77E-001	3.94E-001	FOUND		
BI-214	9.71E-001	1.13E+000	4.02E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			5.26E-001	2.96E-001	6.29E-001
RA-226	NOT FOUND/DATA for 186.10 keV			2.81E+000	2.29E+000	4.57E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.00E+000	6.22E-001	1.41E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.84E+001	4.16E+001	8.04E+001
PA-231	NOT FOUND/DATA for 300.02 keV			4.73E-001	3.03E+000	5.53E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.48E-001	3.81E-001	6.05E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.16E+001	1.50E+001	3.62E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.49E+000	1.80E+000	3.31E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.08E+002	2.98E+002	5.86E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.40E-001	1.40E-001	2.73E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.49E+000	1.80E+000	3.31E+000
AM-241	NOT FOUND/DATA for 59.54 keV			5.41E-002	6.23E-001	1.18E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location:	CE Windsor
Sample ID:	ss-fss-17-085-00
Sample Title:	ss-fss-17-085-00
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.308E+002 g
Sample Taken On:	5/12/2005 8:30:00 AM
Acquisition Started:	5/14/2005 4:00:01 PM
Live Time:	600.0 seconds
Real Time:	600.9 seconds
Dead Time:	0.16 %
Efficiency ID:	srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.73E+001	4.61E+000	3.31E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.23E-002	1.37E-001	2.59E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.13E-002	1.01E-001	1.79E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.44E-002	1.16E-001	2.71E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.44E-001	4.55E-001	5.13E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-7.36E-002	1.00E-001	1.57E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.38E-001	2.68E-001	5.72E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.44E-002	1.12E-001	1.96E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.41E-001	1.37E-001	3.08E-001
TL-208	3.67E-001	4.41E-001	2.23E-001	FOUND		
PB-212	1.49E+000	7.56E-001	6.14E-001	FOUND		
BI-214	6.41E-001	7.22E-002	5.33E-001	FOUND		
PB-214	1.02E+000	3.24E-001	5.12E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.78E+000	2.89E+000	5.62E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.70E-001	6.82E-001	1.55E+000
TH-230	NOT FOUND/DATA for 67.67 keV			4.87E+000	4.90E+001	9.12E+001
PA-231	NOT FOUND/DATA for 300.02 keV			4.26E+000	4.29E+000	7.96E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.04E-001	4.29E-001	7.19E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.99E+000	1.97E+001	4.05E+001
TH-234	NOT FOUND/DATA for 92.60 keV			7.20E-001	1.98E+000	3.52E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.63E+002	3.93E+002	6.67E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.97E-001	1.75E-001	3.47E-001
U-238	NOT FOUND/DATA for 92.60 keV			7.20E-001	1.98E+000	3.52E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-7.09E-002	6.99E-001	1.30E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: FSS 17 085 00 DU
Sample Title: SS FSS 17 085 00 DUP
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.308E+002 g
Sample Taken On: 5/12/2005 8:30:00 AM
Acquisition Started: 5/17/2005 8:44:52 AM
Live Time: 600.0 seconds
Real Time: 600.8 seconds
Dead Time: 0.13 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.51E+001	1.29E+001	3.29E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			6.41E-002	1.02E-001	2.37E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.67E-002	1.12E-001	1.88E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			4.05E-002	1.76E-001	3.44E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-7.33E-002	3.20E-001	5.50E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-6.57E-002	1.19E-001	2.08E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.62E-001	3.02E-001	5.34E-001
CS-134	NOT FOUND/DATA for 604.70 keV			4.79E-003	1.18E-001	2.29E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.25E-001	1.20E-001	2.82E-001
TL-208	3.52E-001	5.53E-001	2.29E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			1.14E+000	3.26E-001	6.93E-001
BI-214	1.02E+000	3.66E-001	6.04E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			1.15E+000	4.07E-001	8.95E-001
RA-226	NOT FOUND/DATA for 186.10 keV			4.33E+000	2.89E+000	5.87E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.66E+000	7.22E-001	1.73E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-9.63E+000	4.28E+001	7.84E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.81E+000	3.51E+000	6.73E+000
PA-234	NOT FOUND/DATA for 98.44 keV			2.39E-002	4.45E-001	7.70E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.43E+001	1.54E+001	4.05E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.04E+000	2.13E+000	3.79E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.42E+002	3.74E+002	7.43E+002
U-235	NOT FOUND/DATA for 185.71 keV			9.30E-002	1.76E-001	3.34E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.04E+000	2.13E+000	3.79E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.84E-001	6.40E-001	1.30E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: ss-fss-17-086-00
Sample Title: ss-fss-17-086-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.507E+002 g
Sample Taken On: 5/12/2005 8:45:00 AM
Acquisition Started: 5/14/2005 2:19:57 PM
Live Time: 600.0 seconds
Real Time: 600.8 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.73E+001	4.55E+000	4.11E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.01E-001	1.05E-001	2.51E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.26E-002	1.03E-001	1.81E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-7.57E-002	1.23E-001	1.47E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.49E-001	3.28E-001	4.23E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.41E-003	1.20E-001	2.11E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-3.23E-002	2.73E-001	5.16E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.31E-002	9.90E-002	1.60E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.70E-002	1.33E-001	2.64E-001
TL-208	4.67E-001	6.47E-001	2.17E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			1.10E+000	3.29E-001	6.91E-001
BI-214	9.89E-001	3.16E-001	3.52E-001	FOUND		
PB-214	8.85E-001	3.05E-001	4.77E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.81E+000	2.57E+000	5.11E+000
AC-228	1.71E+000	8.67E-001	8.46E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			1.58E+001	3.98E+001	7.87E+001
PA-231	NOT FOUND/DATA for 300.02 keV			8.83E-001	4.33E+000	7.83E+000
PA-234	NOT FOUND/DATA for 98.44 keV			2.64E-001	3.94E-001	7.30E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			5.05E+000	1.88E+001	3.93E+001
TH-234	NOT FOUND/DATA for 92.60 keV			7.10E-001	2.22E+000	3.88E+000
U-234	NOT FOUND/DATA for 53.20 keV			8.72E+001	4.04E+002	7.74E+002
U-235	NOT FOUND/DATA for 185.71 keV			9.87E-002	1.57E-001	3.00E-001
U-238	NOT FOUND/DATA for 92.60 keV			7.10E-001	2.22E+000	3.88E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.85E-001	7.17E-001	1.41E+000

Uncertainty reported at 2.0 sigma

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***** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: ss-fss-17-087-00
Sample Title: ss-fss-17-087-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.972E+002 g
Sample Taken On: 5/12/2005 8:55:00 AM
Acquisition Started: 5/15/2005 10:04:13 AM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.42E+001	1.21E+001	3.02E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.72E-002	1.21E-001	2.54E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-5.04E-002	9.38E-002	1.53E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-5.36E-002	1.45E-001	2.42E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			5.77E-002	2.15E-001	4.65E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-4.38E-002	1.17E-001	2.09E-001
SB-125	NOT FOUND/DATA for 427.89 keV			8.66E-002	2.33E-001	4.82E-001
CS-134	NOT FOUND/DATA for 795.84 keV			-1.05E-001	1.57E-001	2.28E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-4.69E-002	1.27E-001	2.28E-001
TL-208	3.78E-001	5.45E-001	2.27E-001	FOUND		
PB-212	1.50E+000	4.67E-001	4.39E-001	FOUND		
BI-214	7.93E-001	9.61E-001	4.21E-001	FOUND		
PB-214	6.41E-001	3.16E-001	4.42E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.72E+000	2.23E+000	4.38E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.05E+000	5.58E-001	1.35E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.70E+000	4.27E+001	7.81E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-8.94E-001	3.75E+000	6.45E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.47E-001	4.74E-001	7.29E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-4.55E+000	1.33E+001	2.41E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.42E+000	1.98E+000	3.60E+000
U-234	NOT FOUND/DATA for 53.20 keV			7.50E+001	3.81E+002	6.86E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.44E-001	1.34E-001	2.72E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.42E+000	1.98E+000	3.60E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-5.23E-001	7.11E-001	1.18E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: ss-fss-17-088-00
Sample Title: ss-fss-17-088-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.402E+002 g
Sample Taken On: 5/12/2005 9:05:00 AM
Acquisition Started: 5/14/2005 2:53:40 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.51E+001	4.38E+000	3.98E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.34E-002	8.52E-002	1.92E-001
CO-57	NOT FOUND/DATA for 122.06 keV			6.82E-003	1.19E-001	1.99E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.68E-001	1.27E-001	3.39E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			6.49E-002	2.93E-001	5.68E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.08E-002	9.09E-002	1.68E-001
SB-125	NOT FOUND/DATA for 427.89 keV			6.03E-002	2.89E-001	5.82E-001
CS-134	NOT FOUND/DATA for 604.70 keV			1.36E-002	1.16E-001	2.25E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.05E-001	1.42E-001	3.04E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.60E-001	2.01E-001	4.35E-001
PB-212	1.38E+000	2.72E-001	4.68E-001	FOUND		
BI-214	1.02E+000	1.26E+000	4.36E-001	FOUND		
PB-214	6.38E-001	2.70E-001	5.44E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.51E+000	2.52E+000	4.87E+000
AC-228	NOT FOUND/DATA for 911.21 keV			0.00E+000	0.00E+000	1.68E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.02E+001	4.47E+001	8.51E+001
PA-231	NOT FOUND/DATA for 300.02 keV			4.59E+000	4.48E+000	8.17E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.66E-001	4.68E-001	7.67E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.24E+001	2.23E+001	4.93E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.55E+000	2.16E+000	3.95E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.14E+002	3.45E+002	5.89E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.15E-002	1.48E-001	2.75E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.55E+000	2.16E+000	3.95E+000
AM-241	NOT FOUND/DATA for 59.54 keV			6.54E-001	7.97E-001	1.55E+000

Uncertainty reported at 2.0 sigma

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***** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: ss-fss-17-089-00
Sample Title: ss-fss-17-089-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.478E+002 g
Sample Taken On: 5/12/2005 9:20:00 AM
Acquisition Started: 5/14/2005 3:27:11 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.77E+001	4.56E+000	2.89E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-3.48E-002	1.03E-001	1.90E-001
CO-57	NOT FOUND/DATA for 122.06 keV			3.93E-002	9.83E-002	1.78E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-3.35E-002	1.15E-001	2.17E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.62E-002	3.01E-001	5.90E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.41E-002	1.07E-001	2.12E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.74E-001	2.93E-001	4.98E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.58E-002	8.97E-002	1.50E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.80E-002	1.14E-001	2.45E-001
TL-208	4.56E-001	1.64E-001	2.46E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			1.11E+000	3.24E-001	6.86E-001
BI-214	1.14E+000	1.08E+000	4.16E-001	FOUND		
PB-214	8.88E-001	9.54E-001	5.02E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			8.50E-001	2.51E+000	4.72E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.42E+000	7.09E-001	1.66E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.93E+001	4.26E+001	8.41E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-1.05E+000	3.90E+000	6.55E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.05E-001	4.42E-001	7.34E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.75E+000	1.73E+001	3.67E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.31E-001	2.08E+000	3.63E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.59E+002	3.91E+002	7.65E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.32E-001	1.51E-001	2.98E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.31E-001	2.08E+000	3.63E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.78E-001	6.77E-001	1.21E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: ss-fss-17-090-00
Sample Title: ss-fss-17-090-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.693E+002 g
Sample Taken On: 5/12/2005 9:30:00 AM
Acquisition Started: 5/14/2005 3:06:01 PM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.17 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.93E+001	3.88E+000	4.04E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-2.00E-002	1.01E-001	1.98E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-6.66E-002	9.78E-002	1.53E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-2.90E-002	1.13E-001	1.92E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			9.10E-003	2.80E-001	5.43E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.02E-001	1.21E-001	1.84E-001
SB-125	NOT FOUND/DATA for 427.89 keV			8.46E-002	2.82E-001	5.74E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.61E-001	1.24E-001	1.76E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.98E-002	1.17E-001	2.47E-001
TL-208	3.33E-001	1.40E-001	1.87E-001	FOUND		
PB-212	9.02E-001	2.56E-001	4.87E-001	FOUND		
BI-214	1.24E+000	1.30E+000	3.17E-001	FOUND		
PB-214	9.36E-001	4.31E-001	6.31E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.94E+000	2.28E+000	4.52E+000
AC-228	NOT FOUND/DATA for 911.21 keV			6.08E-001	6.04E-001	1.32E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.54E+001	4.10E+001	7.39E+001
PA-231	NOT FOUND/DATA for 300.02 keV			5.63E+000	4.50E+000	8.02E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.75E-001	3.89E-001	6.25E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-4.62E+000	1.50E+001	2.91E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-8.37E-002	1.94E+000	3.32E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.51E+002	3.93E+002	6.73E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.03E-001	1.36E-001	2.69E-001
U-238	NOT FOUND/DATA for 92.60 keV			-8.37E-002	1.94E+000	3.32E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.32E-001	7.28E-001	1.40E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: ss-fss-17-091-00
Sample Title: ss-fss-17-091-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.288E+002 g
Sample Taken On: 5/12/2005 9:40:00 AM
Acquisition Started: 5/15/2005 10:19:55 AM
Live Time: 600.0 seconds
Real Time: 600.8 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.22E+001	4.20E+000	3.42E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-3.49E-002	1.11E-001	2.11E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-8.38E-004	1.07E-001	1.84E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-4.61E-003	1.46E-001	2.72E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.20E-001	3.22E-001	5.80E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-8.19E-002	1.47E-001	2.47E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.02E-001	3.41E-001	5.74E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.36E-002	1.13E-001	2.14E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-2.07E-003	1.42E-001	2.53E-001
TL-208	3.50E-001	1.60E-001	2.83E-001	FOUND		
PB-212	1.30E+000	7.56E-001	4.98E-001	FOUND		
BI-214	9.09E-001	1.25E+000	4.64E-001	FOUND		
PB-214	9.90E-001	2.95E-001	4.37E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.53E+000	2.58E+000	4.96E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.34E+000	7.14E-001	1.66E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.70E+001	4.46E+001	7.43E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.35E+000	4.40E+000	8.10E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.70E-001	4.11E-001	7.47E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.90E+000	1.87E+001	4.06E+001
TH-234	NOT FOUND/DATA for 92.60 keV			9.20E-001	2.09E+000	3.77E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.82E+002	3.30E+002	4.97E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.38E-002	1.60E-001	3.04E-001
U-238	NOT FOUND/DATA for 92.60 keV			9.20E-001	2.09E+000	3.77E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-6.14E-002	7.27E-001	1.36E+000

Uncertainty reported at 2.0 sigma

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***** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: ss-fss-17-092-00
Sample Title: ss-fss-17-092-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.819E+002 g
Sample Taken On: 5/12/2005 9:15:00 AM
Acquisition Started: 5/14/2005 3:16:37 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.10E+001	3.95E+000	3.56E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.47E-002	1.01E-001	2.18E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.14E-002	9.67E-002	1.77E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			9.56E-002	8.56E-002	2.51E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			2.62E-001	2.96E-001	6.55E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-6.89E-003	1.20E-001	2.19E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.17E-001	2.96E-001	6.24E-001
CS-134	NOT FOUND/DATA for 604.70 keV			1.74E-002	1.07E-001	2.12E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-5.23E-002	1.46E-001	2.23E-001
TL-208	3.95E-001	1.53E-001	2.27E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			1.11E+000	3.04E-001	6.49E-001
BI-214	4.88E-001	9.17E-001	4.03E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			7.44E-001	3.49E-001	7.47E-001
RA-226	NOT FOUND/DATA for 186.10 keV			6.40E-001	2.18E+000	4.10E+000
AC-228	NOT FOUND/DATA for 911.21 keV			8.66E-001	6.38E-001	1.43E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-5.22E+000	4.15E+001	7.51E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.33E+000	3.96E+000	7.26E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-9.20E-002	4.12E-001	6.65E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.18E+001	2.10E+001	4.63E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.60E+000	1.83E+000	3.45E+000
U-234	NOT FOUND/DATA for 53.20 keV			6.15E+001	3.62E+002	6.88E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.45E-001	1.32E-001	2.70E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.60E+000	1.83E+000	3.45E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.95E-001	6.25E-001	1.10E+000

Uncertainty reported at 2.0 sigma

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***** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: ss-fss-17-093-00
Sample Title: ss-fss-17-093-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.022E+002 g
Sample Taken On: 5/12/2005 9:25:00 AM
Acquisition Started: 5/14/2005 4:47:18 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.21E+001	3.90E+000	2.78E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.28E-002	1.06E-001	2.01E-001
CO-57	NOT FOUND/DATA for 122.06 keV			4.06E-003	9.66E-002	1.66E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			8.04E-002	1.02E-001	2.62E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-3.31E-001	5.12E-001	3.52E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.74E-002	8.41E-002	1.26E-001
SB-125	NOT FOUND/DATA for 427.89 keV			7.54E-002	2.65E-001	5.31E-001
CS-134	NOT FOUND/DATA for 795.84 keV			5.16E-003	1.15E-001	1.97E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.69E-002	1.25E-001	2.26E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.63E-001	1.79E-001	3.96E-001
PB-212	NOT FOUND/DATA for 238.63 keV			7.18E-001	2.75E-001	5.71E-001
BI-214	NOT FOUND/DATA for 609.31 keV			6.56E-001	3.45E-001	7.58E-001
PB-214	9.00E-001	2.95E-001	4.27E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.64E+000	2.32E+000	4.81E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.29E+000	6.03E-001	1.46E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-3.52E+001	3.94E+001	6.65E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.44E+000	4.15E+000	7.64E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-6.55E-002	3.72E-001	6.24E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			5.16E+000	1.06E+001	2.78E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.41E+000	1.73E+000	3.26E+000
U-234	NOT FOUND/DATA for 53.20 keV			-9.02E+001	3.50E+002	6.41E+002
U-235	NOT FOUND/DATA for 185.71 keV			6.93E-002	1.42E-001	2.70E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.41E+000	1.73E+000	3.26E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.55E-001	6.42E-001	1.17E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: ss-fss-17-094-00
Sample Title: ss-fss-17-094-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.891E+002 g
Sample Taken On: 5/12/2005 9:38:00 AM
Acquisition Started: 5/14/2005 4:13:56 PM
Live Time: 600.0 seconds
Real Time: 601.1 seconds
Dead Time: 0.18 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.28E+001	1.53E+001	3.16E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			9.92E-002	1.04E-001	2.47E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.03E-002	9.62E-002	1.62E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-1.56E-002	1.17E-001	2.28E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.32E-001	2.14E-001	5.00E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			3.07E-002	1.20E-001	2.40E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-5.97E-002	2.88E-001	5.06E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.83E-002	1.18E-001	2.02E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-6.62E-003	1.22E-001	2.31E-001
TL-208	3.43E-001	1.41E-001	1.84E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			7.22E-001	2.74E-001	5.73E-001
BI-214	8.01E-001	1.02E+000	5.08E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			8.88E-001	3.50E-001	7.67E-001
RA-226	NOT FOUND/DATA for 186.10 keV			3.12E+000	2.38E+000	4.82E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.02E+000	5.89E-001	1.39E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.64E+001	4.28E+001	7.55E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.30E-001	3.35E+000	6.04E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-5.37E-002	3.74E-001	6.33E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			6.85E+000	1.81E+001	3.95E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.65E+000	1.98E+000	3.64E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.53E+002	2.85E+002	5.95E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.86E-001	1.41E-001	2.86E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.65E+000	1.98E+000	3.64E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.49E-001	8.02E-001	1.50E+000

Uncertainty reported at 2.0 sigma

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***** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: ss-fss-17-095-00
Sample Title: ss-fss-17-095-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.974E+002 g
Sample Taken On: 5/12/2005 9:40:00 AM
Acquisition Started: 5/14/2005 2:43:01 PM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.17 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.70E+001	1.54E+001	2.70E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-5.95E-002	1.52E-001	2.21E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.70E-003	1.15E-001	2.00E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			6.45E-002	1.19E-001	2.86E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.84E-002	2.69E-001	5.41E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	2.51E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.43E-002	2.93E-001	5.40E-001
CS-134	NOT FOUND/DATA for 604.70 keV			3.60E-002	1.27E-001	2.57E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.42E-001	1.65E-001	3.51E-001
TL-208	3.35E-001	1.49E-001	2.10E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			9.54E-001	3.39E-001	7.05E-001
BI-214	6.57E-001	2.83E-001	4.13E-001	FOUND		
PB-214	1.04E+000	9.27E-001	6.20E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.26E+000	2.72E+000	5.17E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.65E+000	7.91E-001	1.85E+000
TH-230	NOT FOUND/DATA for 67.67 keV			7.20E+000	4.28E+001	8.28E+001
PA-231	NOT FOUND/DATA for 300.02 keV			4.51E+000	4.62E+000	8.41E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-4.08E-001	4.98E-001	7.59E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			4.30E+000	1.96E+001	4.28E+001
TH-234	NOT FOUND/DATA for 92.60 keV			7.77E-001	2.18E+000	3.90E+000
U-234	NOT FOUND/DATA for 53.20 keV			4.81E+001	4.10E+002	7.85E+002
U-235	NOT FOUND/DATA for 185.71 keV			9.98E-002	1.68E-001	3.23E-001
U-238	NOT FOUND/DATA for 92.60 keV			7.77E-001	2.18E+000	3.90E+000
AM-241	NOT FOUND/DATA for 59.54 keV			4.42E-002	7.37E-001	1.40E+000

Uncertainty reported at 2.0 sigma

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***** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: ss-fss-17-096-00
Sample Title: ss-fss-17-096-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.755E+002 g
Sample Taken On: 5/12/2005 9:45:00 AM
Acquisition Started: 5/15/2005 10:33:09 AM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.62E+001	1.42E+001	3.44E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			7.95E-003	1.09E-001	2.21E-001
CO-57	NOT FOUND/DATA for 122.06 keV			7.74E-003	9.72E-002	1.70E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-1.08E-001	1.41E-001	2.13E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.12E-001	2.66E-001	5.40E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-2.34E-002	1.06E-001	1.83E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.89E-001	2.71E-001	3.87E-001
CS-134	NOT FOUND/DATA for 604.70 keV			2.46E-003	1.19E-001	2.21E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.04E-001	1.13E-001	2.54E-001
TL-208	3.84E-001	4.10E-002	2.01E-001	FOUND		
PB-212	9.44E-001	2.57E-001	5.09E-001	FOUND		
BI-214	9.95E-001	1.27E+000	4.72E-001	FOUND		
PB-214	7.54E-001	8.75E-001	4.75E-001	FOUND		
RA-226	4.06E+000	2.13E+000	4.34E+000	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			1.25E+000	6.40E-001	1.52E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.68E+001	4.41E+001	7.82E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.14E+000	3.83E+000	7.11E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.83E-001	4.33E-001	6.31E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-7.04E+000	1.94E+001	3.52E+001
TH-234	NOT FOUND/DATA for 92.60 keV			5.26E-001	1.99E+000	3.51E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.46E+001	4.01E+002	7.08E+002
U-235	2.47E-001	1.30E-001	2.64E-001	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			5.26E-001	1.99E+000	3.51E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.11E-001	6.93E-001	1.27E+000

Uncertainty reported at 2.0 sigma

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***** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: ss-fss-17-097-00
Sample Title: ss-fss-17-097-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.631E+002 g
Sample Taken On: 5/12/2005 8:15:00 AM
Acquisition Started: 5/14/2005 4:35:46 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.56E+001	1.28E+001	2.57E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.82E-002	1.29E-001	2.13E-001
CO-57	NOT FOUND/DATA for 122.06 keV			8.28E-002	1.01E-001	1.89E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			1.16E-001	1.12E-001	2.86E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.13E-001	2.98E-001	4.15E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	2.26E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.10E-002	2.89E-001	5.62E-001
CS-134	NOT FOUND/DATA for 604.70 keV			3.60E-002	1.13E-001	2.18E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.24E-002	1.63E-001	2.77E-001
TL-208	3.30E-001	1.12E-001	2.18E-001	FOUND		
PB-212	1.29E+000	4.52E-001	4.91E-001	FOUND		
BI-214	1.19E+000	3.55E-001	5.45E-001	FOUND		
PB-214	8.14E-001	2.35E-001	4.97E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.35E+000	2.51E+000	5.10E+000
AC-228	NOT FOUND/DATA for 911.21 keV			8.37E-001	6.26E-001	1.42E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.88E+001	4.75E+001	7.97E+001
PA-231	NOT FOUND/DATA for 302.65 keV			-4.79E+000	5.89E+000	7.41E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.36E-002	3.81E-001	6.58E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.45E+001	2.08E+001	4.76E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.12E+000	1.92E+000	3.48E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.31E+002	2.84E+002	5.13E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.25E-001	1.55E-001	3.02E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.12E+000	1.92E+000	3.48E+000
AM-241	NOT FOUND/DATA for 59.54 keV			5.96E-001	7.75E-001	1.56E+000

Uncertainty reported at 2.0 sigma