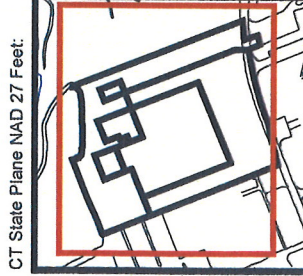
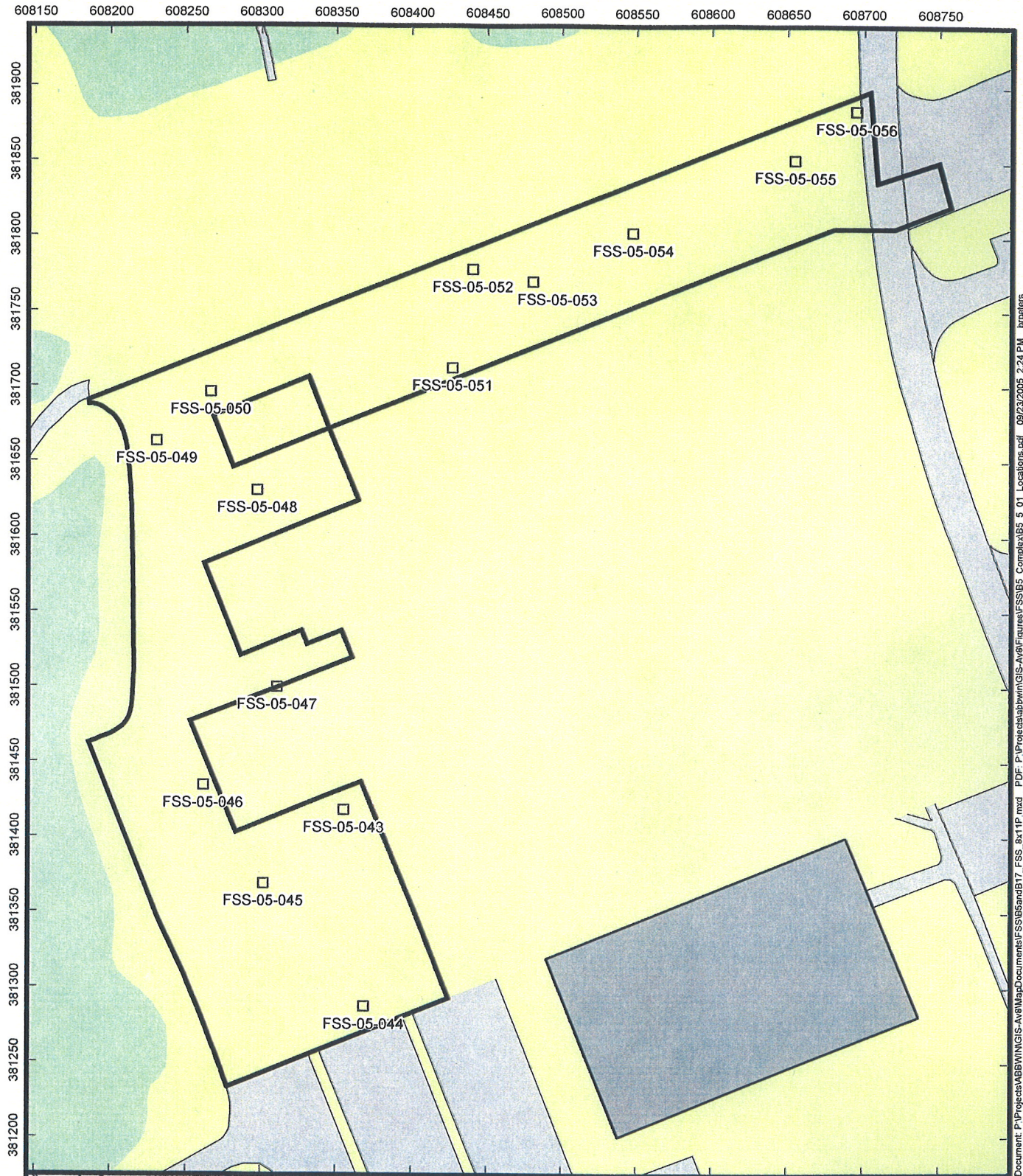


APPENDIX A

**SURVEY UNIT CE-FSS-05-01
RESULTS AND DATA EVALUATION**



Legend

Soil Sample Location	Forest
Survey Unit	Open
	Water
	Road
	Building

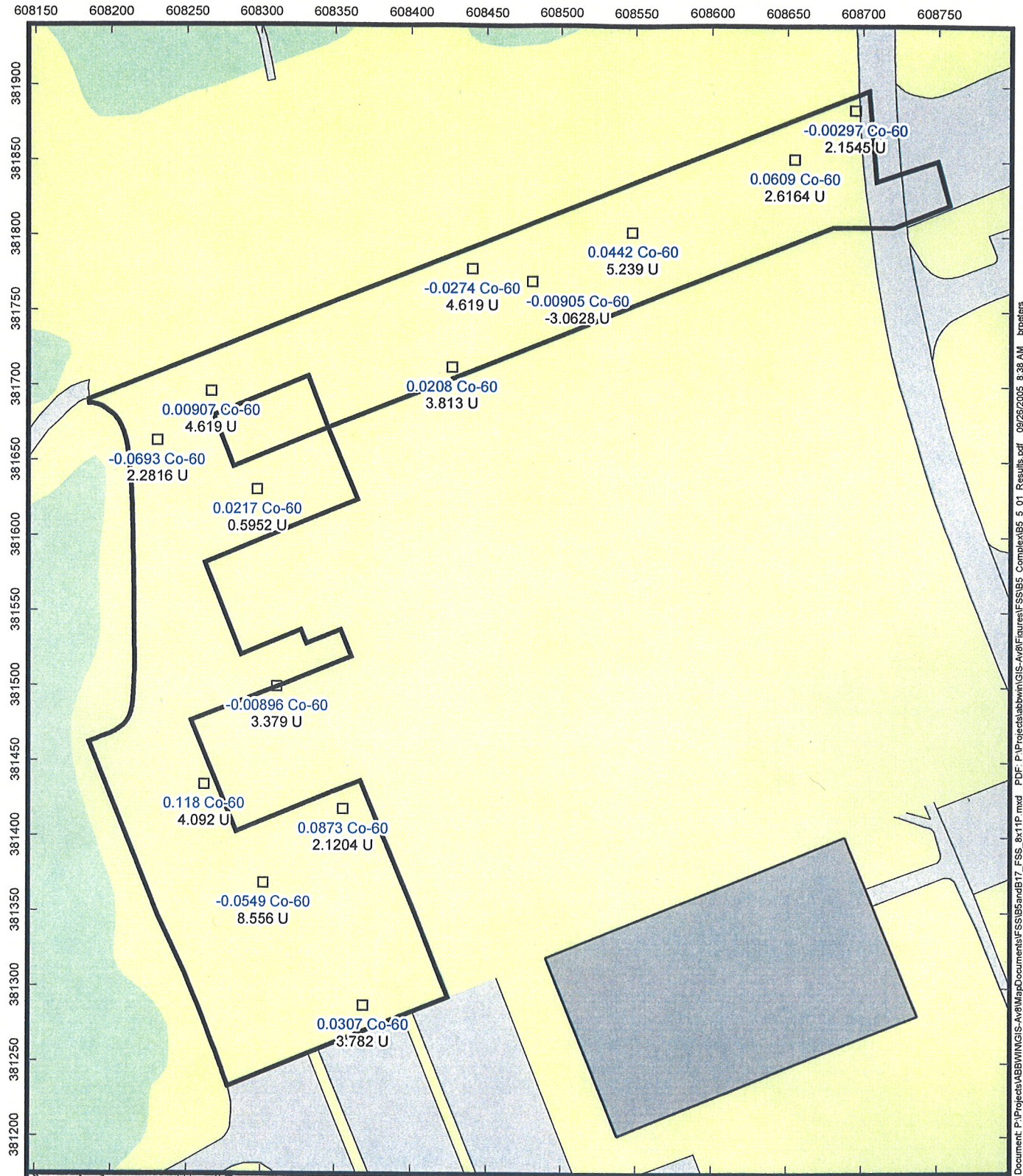
Prepared by BRP
Checked by HTD

Sample Locations
Building 5 Complex
Survey Unit CE-FSS-05-01

Final Status Survey
CE Windsor Site
Windsor, Connecticut

Document: P:\Projects\ABBWING\GIS-AveMapDocuments\FSS\B5andB17_FSS_8x11P.mxd PDF: P:\Projects\ABBWING\GIS-AveMap\Figures\FSS\B5_Complex\B5_5_01_Locations.pdf 09/23/2005 2:24 PM brp:ers

CT State Plane NAD 27 Feet:



CT State Plane NAD 27 Feet:

Legend

Co-60 (pCi/g)	□ Soil Sample Location	Forest
Total U (pCi/g)	▭ Survey Unit	Open
		Water
		Road
		Building

0 45 90

Feet

Prepared by BRP
Checked by HTD

Sample Results
Building 5 Complex
Survey Unit CE-FSS-05-01

Final Status Survey
CE Windsor Site
Windsor, Connecticut

MACTEC

Document: P:\Projects\ABBWIN\GIS-Av\MapDocuments\FSS\B5andB17_FSS_8x11P.mxd PDF: P:\Projects\ABBWIN\GIS-Av\Figures\FSS\B5_01_Results.pdf 09/26/2005 8:38 AM brpeters

Survey Unit CE-FSS-05-01

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-05-043	8.73E-02	1.21E-01	2.96E-01	U	6.84E-02	1.46E-01	2.78E-01	U	2.1	0.021
SS-FSS-05-044	3.07E-02	9.89E-02	1.83E-01	U	1.22E-01	1.47E-01	2.89E-01	U	3.8	0.013
SS-FSS-05-045	-5.49E-02	1.57E-01	2.64E-01	U	2.76E-01	1.67E-01	3.46E-01	U	8.6	0.004
SS-FSS-05-046	1.18E-01	1.24E-01	2.94E-01	U	1.32E-01	1.40E-01	2.79E-01	U	4.1	0.031
SS-FSS-05-047	-8.96E-03	1.16E-01	2.33E-01	U	1.09E-01	1.32E-01	2.60E-01	U	3.4	0.004
SS-FSS-05-048	2.17E-02	1.32E-01	2.61E-01	U	1.92E-02	1.60E-01	2.93E-01	U	0.6	0.005
SS-FSS-05-049	-6.93E-02	1.59E-01	2.42E-01	U	7.36E-02	1.51E-01	2.87E-01	U	2.3	-0.010
SS-FSS-05-050	9.07E-03	9.28E-02	2.13E-01	U	1.49E-01	1.67E-01	3.28E-01	U	4.6	0.010
SS-FSS-05-051	2.08E-02	1.11E-01	2.27E-01	U	1.23E-01	1.35E-01	2.65E-01	U	3.8	0.011
SS-FSS-05-052	-2.74E-02	1.09E-01	2.21E-01	U	1.49E-01	1.41E-01	2.87E-01	U	4.6	0.003
SS-FSS-05-053	-9.05E-03	1.30E-01	2.44E-01	U	-9.88E-02	1.39E-01	2.38E-01	U	-3.1	-0.007
SS-FSS-05-054	4.22E-02	1.24E-01	2.82E-01	U	2.28E-01	1.49E-01	3.08E-01	U	7.1	0.021
SS-FSS-05-054-D	4.62E-02	1.10E-01	2.62E-01	U	1.10E-01	1.64E-01	3.13E-01	U	3.4	0.015
SS-FSS-05-054-A	4.42E-02				1.69E-01				5.2	0.018
SS-FSS-05-055	6.09E-02	1.13E-01	2.60E-01	U	8.44E-02	1.37E-01	2.66E-01	U	2.6	0.017
SS-FSS-05-056	-2.97E-03	7.12E-02	1.65E-01	U	6.95E-02	1.24E-01	2.41E-01	U	2.2	0.003

Survey Unit CE-FSS-05-01

One-Minute Static Field Measurement Results

Sample ID	Static Count Rate (cpm)	Ambient Background (cpm)	Net (cpm)	pCi/g
SS-FSS-05-043	3408	3600	-192	-0.6
SS-FSS-05-044	3001	3600	-599	-2.0
SS-FSS-05-045	2847	3600	-753	-2.5
SS-FSS-05-046	3376	3600	-224	-0.7
SS-FSS-05-047	3117	3600	-483	-1.6
SS-FSS-05-048	3331	3600	-269	-0.9
SS-FSS-05-049	3249	3600	-351	-1.2
SS-FSS-05-050	3441	3600	-159	-0.5
SS-FSS-05-051	NA	3600	NA	NA
SS-FSS-05-052	3651	3600	51	0.2
SS-FSS-05-053	3245	3600	-355	-1.2
SS-FSS-05-054	3628	3600	28	0.1
SS-FSS-05-055	3451	3600	-149	-0.5
SS-FSS-05-056	2721	3600	-879	-2.9

Survey Unit CE-FSS-05-01

Final Status Survey Sample GPS Coordinates

Sample ID	X Coord	Y Coord
SS-FSS-05-043	608355.330000000000	381418.320000000000
SS-FSS-05-044	608368.730000000000	381287.560000000000
SS-FSS-05-045	608301.730000000000	381369.280000000000
SS-FSS-05-046	608261.520000000000	381434.670000000000
SS-FSS-05-047	608310.660000000000	381500.050000000000
SS-FSS-05-048	608297.260000000000	381630.820000000000
SS-FSS-05-049	608230.250000000000	381663.510000000000
SS-FSS-05-050	608265.990000000000	381696.200000000000
SS-FSS-05-051	608426.800000000000	381712.550000000000
SS-FSS-05-052	608440.200000000000	381777.930000000000
SS-FSS-05-053	608480.400000000000	381769.760000000000
SS-FSS-05-054	608547.410000000000	381802.450000000000
SS-FSS-05-055	608654.620000000000	381851.490000000000
SS-FSS-05-056	608694.820000000000	381884.180000000000

Descriptive Statistics Report

Page 1

Summary Section of 05-01 Co-60

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	1.572071E-02	5.145149E-02	1.375099E-02	-0.0693	0.118	0.1873

Counts Section of 05-01 Co-60

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
20	14	6	14	0.22009	3.787429E-02	3.441432E-02

Means Section of 05-01 Co-60

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.572071E-02	0.014935	3.696371E-02	-4.217056E-02	0.22009	
Std Error	1.375099E-02				0.1925138	
95% LCL	-1.398649E-02	-0.0274	1.824854E-02	2.601067E-02	-0.1958108	
95% UCL	4.542792E-02	0.0442	7.487262E-02	-1.164521E-02	0.6359909	
T-Value	1.1432					
Prob Level	0.273555					
Count	14		8	14		

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 05-01 Co-60

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	2.647255E-03	5.145149E-02	5.244952E-02	1.375099E-02	0.0620125	0.1873
Std Error	9.017362E-04	1.239272E-02		3.312093E-03		
95% LCL	1.391287E-03	3.729996E-02		9.968832E-03		
95% UCL	6.870839E-03	8.289053E-02		2.215342E-02		

Skewness and Kurtosis Section of 05-01 Co-60

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	0.2764531	2.624409	0.3107964	3.605895E-02	3.272846	2.616624
Std Error	0.3431588	0.7006779			2.693274	

Trimmed Section of 05-01 Co-60

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	1.476191E-02	1.414554E-02	1.384082E-02	1.255929E-02	1.208905E-02	0.014935
Trim-Std Dev	4.356924E-02	3.522004E-02	2.652009E-02	1.793976E-02	1.228673E-02	1.097241E-02
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of 05-01 Co-60

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	3.907929E-02	3.907929E-02	2.458166E-03	3.369288E-05	1.58582E-05
Std Error	8.252565E-03		8.373265E-04	4.39267E-05	7.588044E-06

Descriptive Statistics Report

Page

2

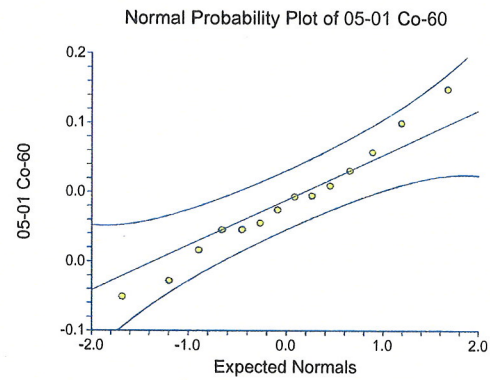
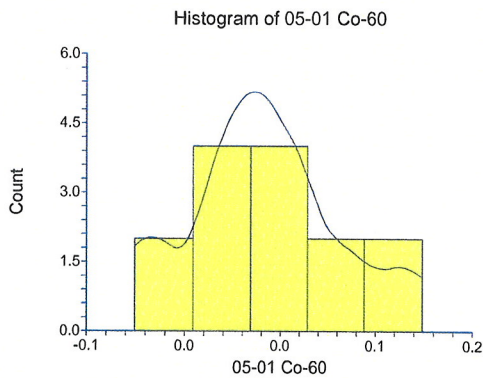
Quartile Section of 05-01 Co-60

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-0.0621	-0.0136375	0.014935	0.048375	0.10265
95% LCL		-0.0693	-0.0274	0.00907	
95% UCL		0.0208	0.0442	0.118	

Normality Test Section of 05-01 Co-60

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9820442	0.984956			Can't reject normality
Anderson-Darling	0.1557911	0.955373			Can't reject normality
Martinez-Iglewicz	0.9992492		1.305415	1.57245	Can't reject normality
Kolmogorov-Smirnov	9.976006E-02		0.208	0.226	Can't reject normality
D'Agostino Skewness	0.5463	0.584889	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	0.2566	0.797462	1.645	1.960	Can't reject normality
D'Agostino Omnibus	0.3643	0.833494	4.605	5.991	Can't reject normality

Plots Section of 05-01 Co-60



Descriptive Statistics Report

Page

3

Percentile Section of 05-01 Co-60

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.118			
95.0	0.118			
90.0	0.10265			
85.0	0.0807			
80.0	0.0609	0.00907	0.118	95.3622
75.0	0.048375	0.00907	0.118	97.1873
70.0	0.03745	0.00907	0.118	96.1749
65.0	0.02845	-0.00297	0.0873	95.5137
60.0	0.0217	-0.00896	0.0873	97.4393
55.0	0.021025	-0.00905	0.0609	97.1563
50.0	0.014935	-0.0274	0.0442	96.4844
45.0	0.00606	-0.0274	0.0442	97.1563
40.0	-0.00297	-0.0549	0.0307	97.4393
35.0	-0.0074625	-0.0549	0.0217	95.5137
30.0	-0.009005	-0.0693	0.0208	96.1749
25.0	-0.0136375	-0.0693	0.0208	97.1873
20.0	-0.0274	-0.0693	0.0208	95.3622
15.0	-0.048025			
10.0	-0.0621			
5.0	-0.0693			
1.0	-0.0693			

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

Stem-Leaf Plot Section of 05-01 Co-60

Depth	Stem	Leaves
1	S	6
2	F	5
3	T	2
6	-0*	000
7	0*	0
7	T	223
4	F	4
3	S	6
2	.	8
1	1*	1

Unit = .01 Example: 1 |2 Represents 0.12

Descriptive Statistics Report

Page 4

Summary Section of 05-01 Total U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	3.2	2.608861	0.6972473	-3.1	8.6	11.7

Counts Section of 05-01 Total U

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
20	14	6	12	44.8	231.84	88.48

Means Section of 05-01 Total U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	3.2	3.6	3.161909	2.856021	44.8	
Std Error	0.6972473				9.761463	
95% LCL	1.693689	2.1	2.151515	1.676662	23.71164	
95% UCL	4.706311	4.6	4.646803	9.629096	65.88836	
T-Value	4.5895					
Prob Level	0.000507					
Count	14		13	14		

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 05-01 Total U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	6.806154	2.608861	2.659467	0.6972473	2.425	11.7
Std Error	3.388071	0.9183044		0.2454272		
95% LCL	3.57703	1.891304		0.5054722		
95% UCL	17.66508	4.202985		1.123295		

Skewness and Kurtosis Section of 05-01 Total U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	-0.4440753	4.469202	-0.4992419	2.761321	0.8152689	0.4880952
Std Error	0.6315215	1.702611			0.2950262	

Trimmed Section of 05-01 Total U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	3.25	3.301786	3.35	3.342857	3.390476	3.6
Trim-Std Dev	1.862828	1.221136	0.973075	0.8243324	0.594143	0.3741657
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of 05-01 Total U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	1.785714	1.757143	6.32	-7.055572	178.5107
Std Error	0.4184484		3.146066	11.07779	113.5212

Descriptive Statistics Report

Page

5

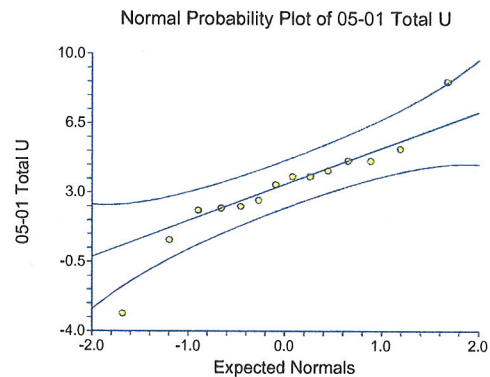
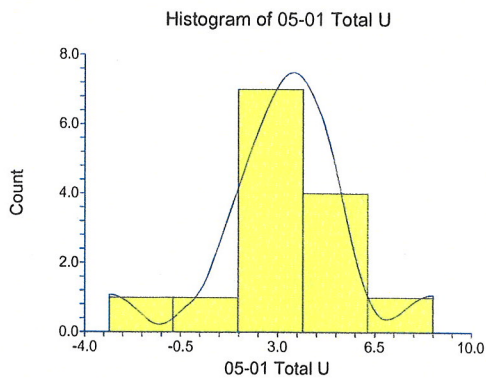
Quartile Section of 05-01 Total U

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-1.25	2.175	3.6	4.6	6.9
95% LCL		-3.1	2.1	3.4	
95% UCL		3.8	4.6	8.6	

Normality Test Section of 05-01 Total U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9230537	0.243237			Can't reject normality
Anderson-Darling	0.5453082	0.161051			Can't reject normality
Martinez-Iglewicz	1.637412		1.305415	1.57245	Reject normality
Kolmogorov-Smirnov	0.1529035		0.208	0.226	Can't reject normality
D'Agostino Skewness	-0.8704	0.384084	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	1.9141	0.055613	1.645	1.960	Can't reject normality
D'Agostino Omnibus	4.4212	0.109635	4.605	5.991	Can't reject normality

Plots Section of 05-01 Total U



Descriptive Statistics Report

Page 6

Percentile Section of 05-01 Total U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	8.6			
95.0	8.6			
90.0	6.9			
85.0	5.05			
80.0	4.6	3.4	8.6	95.3622
75.0	4.6	3.4	8.6	97.1873
70.0	4.35	3.4	8.6	96.1749
65.0	4.025	2.6	5.2	95.5137
60.0	3.8	2.3	5.2	97.4393
55.0	3.8	2.2	4.6	97.1563
50.0	3.6	2.1	4.6	96.4844
45.0	3.2	2.1	4.6	97.1563
40.0	2.6	0.6	4.1	97.4393
35.0	2.375	0.6	3.8	95.5137
30.0	2.25	-3.1	3.8	96.1749
25.0	2.175	-3.1	3.8	97.1873
20.0	2.1	-3.1	3.8	95.3622
15.0	0.975			
10.0	-1.25			
5.0	-3.1			
1.0	-3.1			

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

Stem-Leaf Plot Section of 05-01 Total U

Depth	Stem	Leaves
Low		-31
2	.	6
2	1*	
2	.	
5	2*	123
6	.	6
7	3*	4
7	.	88
5	4*	1
4	.	66
2	5*	2
High		86

Unit = .1 Example: 1 | 2 Represents 1.2

Descriptive Statistics Report

Page

7

Summary Section of 05-01 SOF

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	8.785714E-03	0.0109135	2.916754E-03	-0.01	0.031	0.041

Counts Section of 05-01 SOF

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
20	14	6	12	0.123	0.002629	1.548357E-03

Means Section of 05-01 SOF

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	8.785714E-03	0.0075	8.76323E-03	8.827806E-03	0.123	
Std Error	2.916754E-03				4.083456E-02	
95% LCL	2.484449E-03	0.003	5.20677E-03	5.081336E-03	3.478229E-02	
95% UCL	1.508698E-02	0.017	1.474892E-02	3.360418E-02	0.2112177	
T-Value	3.0122					
Prob Level	0.010002					
Count	14		12	14		

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 05-01 SOF

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.191044E-04	0.0109135	1.112519E-02	2.916754E-03	0.01425	0.041
Std Error	4.190472E-05	2.715089E-03		7.256381E-04		
95% LCL	6.259629E-05	7.911782E-03		2.114513E-03		
95% UCL	3.091304E-04	1.758211E-02		4.699015E-03		

Skewness and Kurtosis Section of 05-01 SOF

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	0.1832865	2.732999	0.2060558	0.1964763	1.242187	1.133333
Std Error	0.3842761	0.6465979			0.4260158	

Trimmed Section of 05-01 SOF

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	8.595238E-03	8.607143E-03	8.765306E-03	8.142857E-03	7.547619E-03	0.0075
Trim-Std Dev	9.075524E-03	7.291356E-03	5.758001E-03	4.687877E-03	3.589937E-03	4.677072E-03
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of 05-01 SOF

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.0085	0.0085	1.105969E-04	2.131793E-07	3.342918E-08
Std Error	1.750471E-03		3.891153E-05	4.694444E-07	1.757545E-08

Descriptive Statistics Report

Page

8

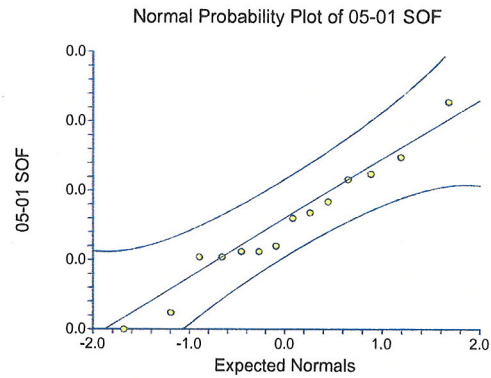
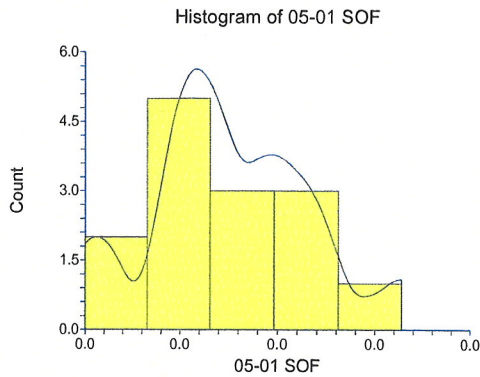
Quartile Section of 05-01 SOF

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-0.0085	0.003	0.0075	0.01725	0.026
95% LCL		-0.01	0.003	0.005	
95% UCL		0.01	0.017	0.031	

Normality Test Section of 05-01 SOF

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9711884	0.892142			Can't reject normality
Anderson-Darling	0.2500629	0.744445			Can't reject normality
Martinez-Iglewicz	1.002569		1.305415	1.57245	Can't reject normality
Kolmogorov-Smirnov	0.1356607		0.208	0.226	Can't reject normality
D'Agostino Skewness	0.3632	0.716432	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	0.4000	0.689185	1.645	1.960	Can't reject normality
D'Agostino Omnibus	0.2919	0.864198	4.605	5.991	Can't reject normality

Plots Section of 05-01 SOF



Descriptive Statistics Report

Page

9

Percentile Section of 05-01 SOF

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.031			
95.0	0.031			
90.0	0.026			
85.0	0.02025			
80.0	0.018	0.005	0.031	95.3622
75.0	0.01725	0.005	0.031	97.1873
70.0	0.015	0.005	0.031	96.1749
65.0	0.0125	0.004	0.021	95.5137
60.0	0.011	0.004	0.021	97.4393
55.0	0.01025	0.003	0.018	97.1563
50.0	0.0075	0.003	0.017	96.4844
45.0	0.00475	0.003	0.017	97.1563
40.0	0.004	-0.007	0.013	97.4393
35.0	0.004	-0.007	0.011	95.5137
30.0	0.0035	-0.01	0.01	96.1749
25.0	0.003	-0.01	0.01	97.1873
20.0	0.003	-0.01	0.01	95.3622
15.0	-0.0045			
10.0	-0.0085			
5.0	-0.01			
1.0	-0.01			

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

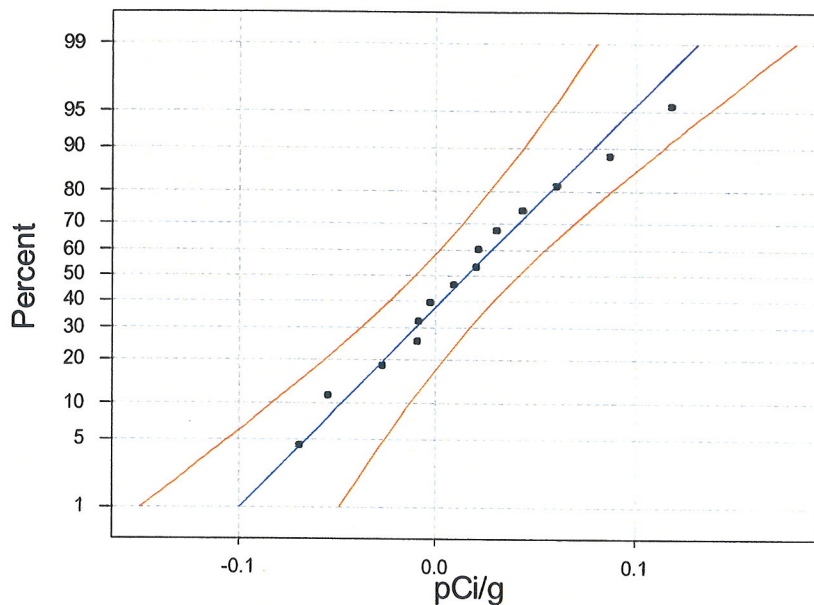
Stem-Leaf Plot Section of 05-01 SOF

Depth	Stem	Leaves
1	-1*	0
2	.	7
2	-0*	
6	0*	3344
7	.	5
7	1*	013
4	.	78
2	2*	1
1	.	
1	3*	1

Unit = .001 Example: 1 |2 Represents 0.012

Normal Probability Plot for 5-01 Co-60

ML Estimates - 95% CI



ML Estimates

Mean 0.0157207

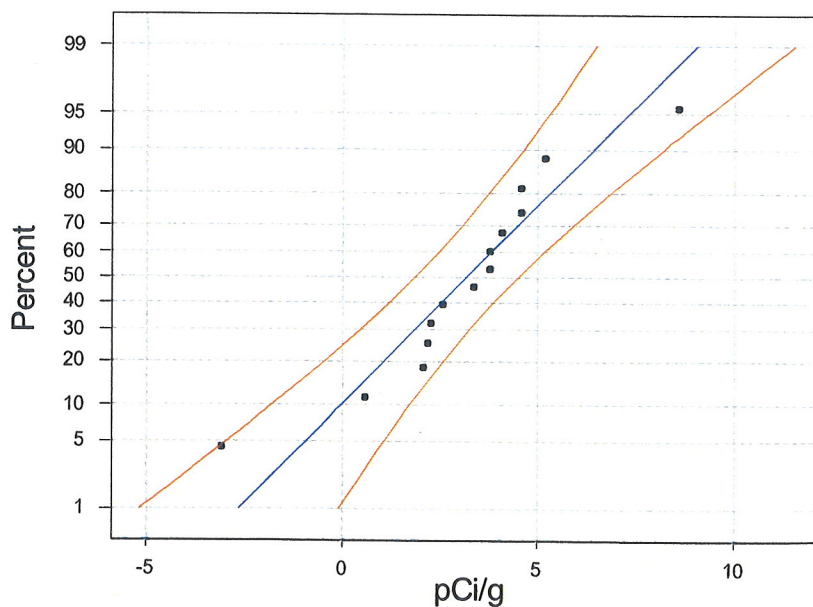
StDev 0.0495799

Goodness of Fit

AD* 0.909

Normal Probability Plot for 5-01 Total U

ML Estimates - 95% CI



ML Estimates

Mean 3.2

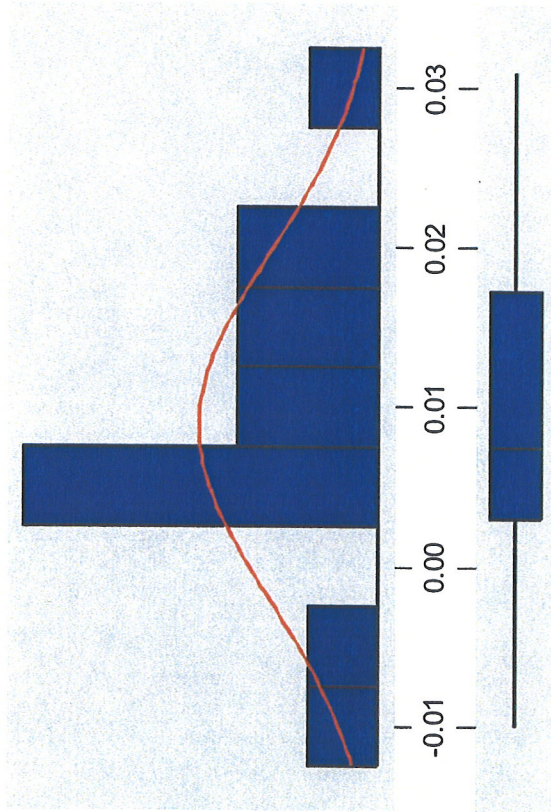
StDev 2.51396

Goodness of Fit

AD* 1.253

Descriptive Statistics

Variable: 5-01 SOF



Anderson-Darling Normality Test

A-Squared: 0.247
P-Value: 0.700

Mean 8.79E-03
StDev 1.09E-02
Variance 1.19E-04
Skewness 0.206056
Kurtosis 0.196476
N 14

Minimum -1.0E-02
1st Quartile 3.00E-03
Median 7.50E-03
3rd Quartile 1.73E-02
Maximum 3.10E-02

95% Confidence Interval for Mu

2.48E-03 1.51E-02

95% Confidence Interval for Sigma

7.91E-03 1.76E-02

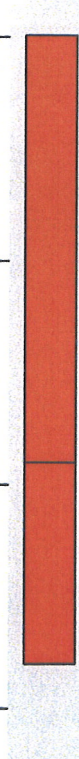
95% Confidence Interval for Median

3.00E-03 1.71E-02

95% Confidence Interval for Mu



95% Confidence Interval for Median



One-Sample T-Test Report

Page 1
Variable 05-01 SOF

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
05-01 SOF	14	8.785714E-03	0.0109135	2.916754E-03	2.484449E-03	1.508698E-02

T for Confidence Limits = 2.1604

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality	0.3632	0.716432	Cannot reject normality
Kurtosis Normality	0.4000	0.689185	Cannot reject normality
Omnibus Normality	0.2919	0.864198	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)
05-01 SOF<>1	-339.8347	0.000000	Reject Ho	1.000000	1.000000
05-01 SOF<1	-339.8347	0.000000	Reject Ho	1.000000	1.000000
05-01 SOF>1	-339.8347	1.000000	Accept Ho	0.000000	0.000000

Nonparametric Tests Section

Quantile (Sign) Test

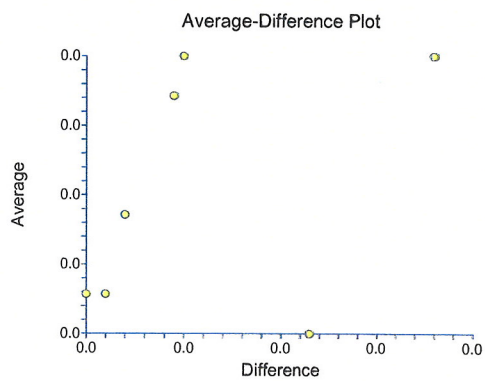
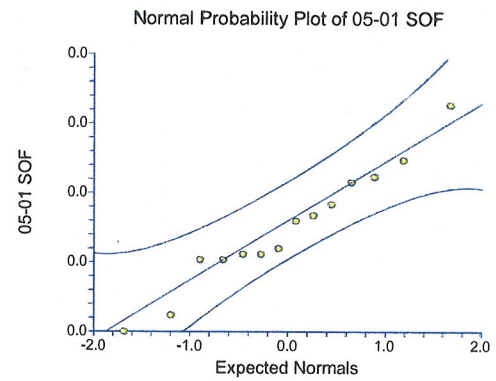
Hypothesized Value	Quantile	Number Lower	Number Higher	Prob Lower	Prob Higher	Prob Both
1	0.5	14	0	1.000000	0.000061	0.000122

Wilcoxon Signed-Rank Test for Difference in Medians

W	Mean of W	Std Dev of W	Number of Zeros	Number Sets of Ties	Multiplicity Factor
Sum Ranks					
0	52.5	15.92168	0	2	12

Alternative Hypothesis	Exact Probability		Approximation Without Continuity Correction			Approximation With Continuity Correction		
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)
Median<>1			3.2974	0.000976	Reject Ho	3.2660	0.001091	Reject Ho
Median<1			-3.2974	0.000488	Reject Ho	-3.2660	0.000545	Reject Ho
Median>1			-3.2974	0.999512	Accept Ho	-3.3288	0.999564	Accept Ho

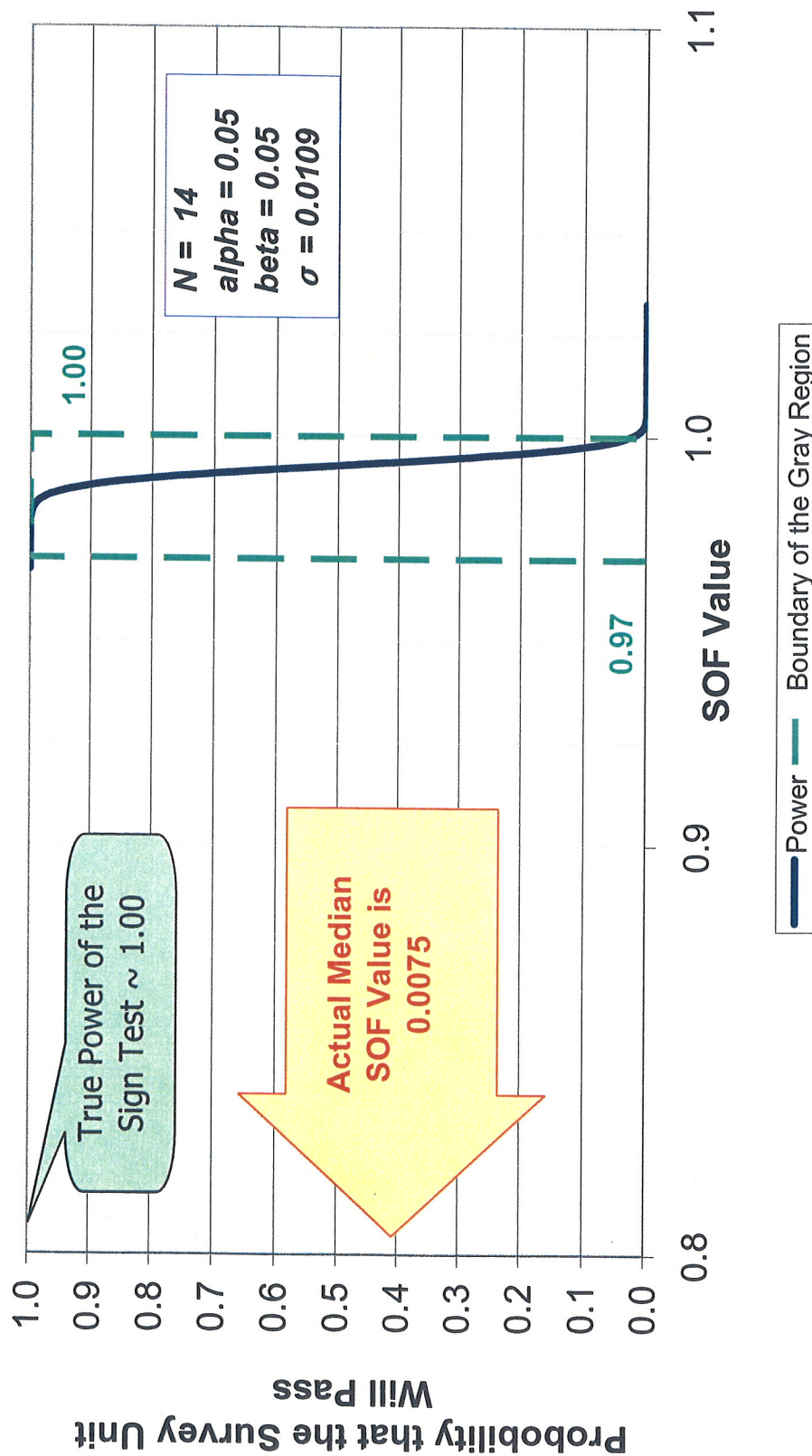
Plots Section



Retrospective Power of the Sign Test

Surface Soil Volumetric Measurements SOF Values

Survey Unit CE-FSS-05-01



RADIOLOG: JL SURVEY MAP

Survey Unit NO: CE-FSS-05-01	Surveyor Team (print names): Jeff Tweeddale	Page 1 of 1																																												
<table border="1"> <thead> <tr> <th>Location</th> <th>Static Count</th> </tr> </thead> <tbody> <tr><td>SS-FSS-05-043-00</td><td>3408</td></tr> <tr><td>SS-FSS-05-044-00</td><td>3001</td></tr> <tr><td>SS-FSS-05-045-00</td><td>3842</td></tr> <tr><td>SS-FSS-05-046-00</td><td>3322</td></tr> <tr><td>SS-FSS-05-047-00</td><td>3117</td></tr> <tr><td>SS-FSS-05-048-00</td><td>3331</td></tr> <tr><td>SS-FSS-05-049-00</td><td>3449</td></tr> <tr><td>SS-FSS-05-050-00</td><td>3441</td></tr> <tr><td>SS-FSS-05-051-00</td><td></td></tr> <tr><td>SS-FSS-05-052-00</td><td>3651</td></tr> <tr><td>SS-FSS-05-053-00</td><td>3295</td></tr> <tr><td>SS-FSS-05-054-00</td><td>3628</td></tr> <tr><td>SS-FSS-05-055-00</td><td>3461</td></tr> <tr><td>SS-FSS-05-056-00</td><td>2721</td></tr> <tr><td>SS-FSS-05-057-00</td><td>3628</td></tr> </tbody> </table>	Location	Static Count	SS-FSS-05-043-00	3408	SS-FSS-05-044-00	3001	SS-FSS-05-045-00	3842	SS-FSS-05-046-00	3322	SS-FSS-05-047-00	3117	SS-FSS-05-048-00	3331	SS-FSS-05-049-00	3449	SS-FSS-05-050-00	3441	SS-FSS-05-051-00		SS-FSS-05-052-00	3651	SS-FSS-05-053-00	3295	SS-FSS-05-054-00	3628	SS-FSS-05-055-00	3461	SS-FSS-05-056-00	2721	SS-FSS-05-057-00	3628		<table border="1"> <thead> <tr> <th>Instrument</th> <th>Ser No:</th> <th>Background (cpm):</th> <th>Key</th> </tr> </thead> <tbody> <tr> <td>Lucille 2350-1 / P. 000 44-10</td> <td>175852 / 15205</td> <td>2500-8300</td> <td>es - Direct Scan</td> </tr> <tr> <td colspan="2">Technician Signature & Date:</td> <td colspan="2">4 - Volumetric Sample</td> </tr> </tbody> </table>	Instrument	Ser No:	Background (cpm):	Key	Lucille 2350-1 / P. 000 44-10	175852 / 15205	2500-8300	es - Direct Scan	Technician Signature & Date:		4 - Volumetric Sample	
Location	Static Count																																													
SS-FSS-05-043-00	3408																																													
SS-FSS-05-044-00	3001																																													
SS-FSS-05-045-00	3842																																													
SS-FSS-05-046-00	3322																																													
SS-FSS-05-047-00	3117																																													
SS-FSS-05-048-00	3331																																													
SS-FSS-05-049-00	3449																																													
SS-FSS-05-050-00	3441																																													
SS-FSS-05-051-00																																														
SS-FSS-05-052-00	3651																																													
SS-FSS-05-053-00	3295																																													
SS-FSS-05-054-00	3628																																													
SS-FSS-05-055-00	3461																																													
SS-FSS-05-056-00	2721																																													
SS-FSS-05-057-00	3628																																													
Instrument	Ser No:	Background (cpm):	Key																																											
Lucille 2350-1 / P. 000 44-10	175852 / 15205	2500-8300	es - Direct Scan																																											
Technician Signature & Date:		4 - Volumetric Sample																																												
10% bromine alkali over All readings & BKG SS-FSS-05-051-00 not collected due to concrete road present																																														

PROCEDURE NO RPP-4

REVISION 1

ATTACHMENT 1 PAGE 1 OF 1

 ***** 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 05 043 00
 Sample Title: SS FSS 05 043 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.616E+002 g
 Sample Taken On: 5/18/2005 1:20:00 PM
 Acquisition Started: 5/23/2005 9:00:21 AM
 Live Time: 600.0 seconds
 Real Time: 600.9 seconds
 Dead Time: 0.14 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	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	1.92E+001	3.69E+000	2.99E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	-2.24E-002	8.65E-002	1.71E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	-5.57E-002	1.04E-001	1.64E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	8.73E-002	1.21E-001	2.96E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	-1.57E-001	2.26E-001	3.76E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	-6.26E-002	8.21E-002	1.16E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	-5.52E-002	3.14E-001	5.81E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	-1.86E-002	7.65E-002	1.47E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	-1.41E-002	1.49E-001	2.77E-001
TL-208	2.59E-001	1.34E-001	2.30E-001	FOUND		
PB-212	NOT FOUND/DATA	for	238.63 keV	8.83E-001	2.96E-001	6.26E-001
BI-214	1.11E+000	9.47E-001	4.49E-001	FOUND		
PB-214	7.08E-001	2.77E-001	4.66E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	1.24E+000	2.35E+000	4.52E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	1.15E+000	6.14E-001	1.47E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-3.72E+000	3.84E+001	7.20E+001
PA-231	NOT FOUND/DATA	for	300.02 keV	3.58E+000	4.37E+000	8.01E+000
PA-234	NOT FOUND/DATA	for	927.10 keV	0.00E+000	0.00E+000	3.75E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	6.85E-001	2.04E+001	4.11E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	-7.83E-001	2.10E+000	3.46E+000
U-234	NOT FOUND/DATA	for	53.20 keV	-2.89E+002	3.99E+002	6.51E+002
U-235	NOT FOUND/DATA	for	185.71 keV	6.84E-002	1.46E-001	2.78E-001
U-238	NOT FOUND/DATA	for	92.60 keV	-7.83E-001	2.10E+000	3.46E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	1.24E-001	7.99E-001	1.41E+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 05 044 00
 Sample Title: SS FSS 05 044 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.614E+002 g
 Sample Taken On: 5/18/2005 1:33:00 PM
 Acquisition Started: 5/23/2005 9:12:15 AM
 Live Time: 600.0 seconds
 Real Time: 600.6 seconds
 Dead Time: 0.10 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	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	1.89E+001	1.14E+001	3.01E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	3.22E-002	1.14E-001	2.38E-001
CO-57	NOT FOUND/DATA for		122.06 keV	6.80E-004	9.58E-002	1.64E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	3.07E-002	9.89E-002	1.83E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	7.86E-002	2.17E-001	4.92E-001
AG-110m	NOT FOUND/DATA for		884.68 keV	-4.38E-002	1.63E-001	2.47E-001
SB-125	NOT FOUND/DATA for		427.89 keV	-1.68E-002	2.53E-001	4.89E-001
CS-134	NOT FOUND/DATA for		604.70 keV	-8.50E-002	1.02E-001	1.58E-001
CS-137	NOT FOUND/DATA for		661.66 keV	-2.56E-002	1.44E-001	2.69E-001
TL-208	NOT FOUND/DATA for		583.19 keV	1.84E-001	1.48E-001	3.26E-001
PB-212	1.26E+000	6.42E-001	4.49E-001	FOUND		
BI-214	9.58E-001	3.15E-001	4.71E-001	FOUND		
PB-214	6.72E-001	2.69E-001	4.65E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	2.91E+000	2.44E+000	4.94E+000
AC-228	NOT FOUND/DATA for		911.21 keV	5.80E-001	5.23E-001	1.21E+000
TH-230	NOT FOUND/DATA for		67.67 keV	5.48E+001	3.89E+001	8.47E+001
PA-231	NOT FOUND/DATA for		300.02 keV	1.03E+000	3.30E+000	6.15E+000
PA-234	NOT FOUND/DATA for		131.20 keV	2.16E-002	3.99E-001	6.97E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	2.10E+000	2.21E+001	4.11E+001
TH-234	NOT FOUND/DATA for		92.60 keV	1.19E+000	1.81E+000	3.36E+000
U-234	NOT FOUND/DATA for		53.20 keV	7.06E+001	3.88E+002	7.49E+002
U-235	NOT FOUND/DATA for		185.71 keV	1.22E-001	1.47E-001	2.89E-001
U-238	NOT FOUND/DATA for		92.60 keV	1.19E+000	1.81E+000	3.36E+000
AM-241	NOT FOUND/DATA for		59.54 keV	4.78E-001	5.47E-001	1.16E+000

Uncertainty reported at 2.0 sigma

Site Location: CE Windsor
Sample ID: SS FSS 05 045 00
Sample Title: SS FSS 05 045 00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.937E+002 g
Sample Taken On: 5/18/2005 1:26:00 PM
Acquisition Started: 5/23/2005 9:28:06 AM
Live Time: 600.0 seconds
Real Time: 600.6 seconds
Dead Time: 0.10 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide	Activity	Nuclide	Line	Line Act	Line
	Activity	Uncert.	MDA	Activity	Uncert.	MDA
	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)
K-40	1.69E+001	3.96E+000	4.42E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	-5.15E-002	9.80E-002	1.71E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	-4.14E-003	9.69E-002	1.69E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	-5.49E-002	1.57E-001	2.64E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	8.75E-002	2.41E-001	5.49E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	1.18E-001	1.16E-001	2.72E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	-1.85E-001	3.11E-001	5.21E-001
CS-134	NOT FOUND/DATA	for	795.84 keV	4.72E-002	1.45E-001	2.83E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	1.60E-002	1.41E-001	2.79E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	2.37E-001	1.85E-001	3.94E-001
PB-212	NOT FOUND/DATA	for	238.63 keV	8.69E-001	3.04E-001	6.48E-001
BI-214	NOT FOUND/DATA	for	609.31 keV	5.64E-001	3.50E-001	7.81E-001
PB-214	7.63E-001	3.06E-001	5.22E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	3.47E+000	2.65E+000	5.40E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	7.79E-001	6.04E-001	1.42E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-3.67E+001	4.28E+001	7.20E+001
PA-231	NOT FOUND/DATA	for	283.67 keV	-3.27E+000	5.17E+000	7.63E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	-7.57E-002	4.00E-001	6.73E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	-2.35E+000	2.48E+001	4.30E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	2.85E+000	2.13E+000	4.16E+000
U-234	NOT FOUND/DATA	for	53.20 keV	6.91E+001	3.36E+002	6.73E+002
U-235	NOT FOUND/DATA	for	185.71 keV	2.76E-001	1.67E-001	3.46E-001
U-238	NOT FOUND/DATA	for	92.60 keV	2.85E+000	2.13E+000	4.16E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	-9.43E-002	6.96E-001	1.29E+000

Uncertainty reported at 2.0 sigma

 ***** CERTIFICATE OF ANALYSIS *****

Site Location: CE Windsor
 Sample ID: SS FSS 05 046 00
 Sample Title: SS FSS 05 046 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.788E+002 g
 Sample Taken On: 5/18/2005 1:10:00 PM
 Acquisition Started: 5/23/2005 9:40:04 AM
 Live Time: 600.0 seconds
 Real Time: 600.6 seconds
 Dead Time: 0.11 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	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	1.36E+001	3.50E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	2.21E-002	1.08E-001	2.09E-001
CO-57	NOT FOUND/DATA for		122.06 keV	1.46E-002	1.00E-001	1.75E-001
CO-60	NOT FOUND/DATA for		1173.24 keV	1.18E-001	1.24E-001	2.94E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-2.87E-002	2.05E-001	4.09E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	1.92E-002	1.04E-001	2.13E-001
SB-125	NOT FOUND/DATA for		427.89 keV	3.19E-002	2.91E-001	5.67E-001
CS-134	NOT FOUND/DATA for		604.70 keV	-4.22E-002	1.09E-001	1.98E-001
CS-137	NOT FOUND/DATA for		661.66 keV	5.19E-002	1.35E-001	2.79E-001
TL-208	3.14E-001	1.40E-001	2.19E-001	FOUND		
PB-212	7.39E-001	2.34E-001	4.42E-001	FOUND		
BI-214	5.58E-001	2.70E-001	4.07E-001	FOUND		
PB-214	1.00E+000	3.01E-001	4.47E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	1.73E+000	2.25E+000	4.41E+000
AC-228	NOT FOUND/DATA for		911.21 keV	1.77E+000	7.03E-001	1.69E+000
TH-230	NOT FOUND/DATA for		67.67 keV	9.35E+000	3.89E+001	7.54E+001
PA-231	NOT FOUND/DATA for		300.02 keV	-3.26E-001	3.61E+000	6.38E+000
PA-234	NOT FOUND/DATA for		131.20 keV	-9.08E-002	4.24E-001	7.11E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	-5.00E-001	1.90E+001	3.76E+001
TH-234	NOT FOUND/DATA for		92.60 keV	1.18E-001	2.00E+000	3.46E+000
U-234	NOT FOUND/DATA for		53.20 keV	-2.19E+002	3.23E+002	5.55E+002
U-235	NOT FOUND/DATA for		185.71 keV	1.32E-001	1.40E-001	2.79E-001
U-238	NOT FOUND/DATA for		92.60 keV	1.18E-001	2.00E+000	3.46E+000
AM-241	NOT FOUND/DATA for		59.54 keV	-1.61E-001	6.63E-001	1.18E+000

Uncertainty reported at 2.0 sigma

 ***** CERTIFICATE OF ANALYSIS *****

Site Location: CE Windsor
 Sample ID: SS FSS 05 047 00
 Sample Title: SS FSS 05 047 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 7.227E+002 g
 Sample Taken On: 5/18/2005 1:05:00 PM
 Acquisition Started: 5/19/2005 2:28:36 PM
 Live Time: 600.0 seconds
 Real Time: 600.9 seconds
 Dead Time: 0.14 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	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	1.90E+001	1.03E+001	2.49E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	3.86E-002	8.89E-002	1.94E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	6.29E-002	1.01E-001	1.79E-001
CO-60	NOT FOUND/DATA	for	1173.24 keV	-8.96E-003	1.16E-001	2.33E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	7.11E-002	1.99E-001	4.46E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	6.94E-002	1.01E-001	2.21E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	9.46E-002	2.28E-001	4.82E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	1.75E-002	9.25E-002	1.86E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	-4.93E-002	1.32E-001	2.38E-001
TL-208	3.24E-001	3.89E-001	1.82E-001	FOUND		
PB-212	9.54E-001	2.45E-001	5.00E-001	FOUND		
BI-214	1.06E+000	9.25E-001	2.73E-001	FOUND		
PB-214	5.51E-001	2.55E-001	4.28E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	2.95E+000	2.07E+000	4.31E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	1.18E+000	5.45E-001	1.35E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	6.71E+000	4.08E+001	7.54E+001
PA-231	NOT FOUND/DATA	for	302.65 keV	-5.77E+000	5.71E+000	7.04E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	1.63E-001	3.55E-001	6.43E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	1.57E+000	1.57E+001	3.29E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	-3.91E-001	1.77E+000	2.98E+000
U-234	NOT FOUND/DATA	for	53.20 keV	5.89E+001	3.42E+002	6.61E+002
U-235	NOT FOUND/DATA	for	185.71 keV	1.09E-001	1.32E-001	2.60E-001
U-238	NOT FOUND/DATA	for	92.60 keV	-3.91E-001	1.77E+000	2.98E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	1.89E-001	6.23E-001	1.23E+000

Uncertainty reported at 2.0 sigma

 ***** CERTIFICATE OF ANALYSIS *****

Site Location: CE Windsor
 Sample ID: SS FSS 05 048 00
 Sample Title: SS FSS 05 048 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.008E+002 g
 Sample Taken On: 5/18/2005 12:45:00 PM
 Acquisition Started: 5/19/2005 2:41:14 PM
 Live Time: 600.0 seconds
 Real Time: 601.0 seconds
 Dead Time: 0.17 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity	Activity Uncert.	Nuclide MDA	Line Activity	Line Act Uncert.	Line MDA
	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)
K-40	2.34E+001	1.64E+001	3.27E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	7.79E-003	8.91E-002	1.87E-001
CO-57	NOT FOUND/DATA for		122.06 keV	-6.11E-002	9.55E-002	1.53E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	2.17E-002	1.32E-001	2.61E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-3.42E-001	4.17E-001	4.99E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	-1.98E-002	1.10E-001	2.05E-001
SB-125	NOT FOUND/DATA for		427.89 keV	8.76E-002	3.26E-001	6.20E-001
CS-134	NOT FOUND/DATA for		604.70 keV	-4.02E-003	9.27E-002	1.85E-001
CS-137	NOT FOUND/DATA for		661.66 keV	-1.19E-001	1.71E-001	2.41E-001
TL-208	NOT FOUND/DATA for		583.19 keV	1.82E-001	1.75E-001	3.65E-001
PB-212	1.08E+000	2.50E-001	5.26E-001	FOUND		
BI-214	1.23E+000	3.54E-001	4.14E-001	FOUND		
PB-214	4.71E-001	2.37E-001	5.03E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	2.59E+000	2.50E+000	5.03E+000
AC-228	NOT FOUND/DATA for		911.21 keV	1.37E+000	7.46E-001	1.73E+000
TH-230	NOT FOUND/DATA for		67.67 keV	6.38E+000	5.16E+001	9.58E+001
PA-231	NOT FOUND/DATA for		300.02 keV	-8.15E-001	3.94E+000	6.77E+000
PA-234	NOT FOUND/DATA for		98.44 keV	-3.24E-001	4.23E-001	6.43E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	-7.92E+000	1.87E+001	3.25E+001
TH-234	NOT FOUND/DATA for		92.60 keV	4.70E+000	2.20E+000	4.48E+000
U-234	NOT FOUND/DATA for		53.20 keV	-6.24E+001	4.13E+002	7.34E+002
U-235	NOT FOUND/DATA for		185.71 keV	1.92E-002	1.60E-001	2.93E-001
U-238	NOT FOUND/DATA for		92.60 keV	4.70E+000	2.20E+000	4.48E+000
AM-241	NOT FOUND/DATA for		59.54 keV	-3.95E-001	7.90E-001	1.34E+000

Uncertainty reported at 2.0 sigma

 ***** CERTIFICATE OF ANALYSIS *****

Site Location: CE Windsor
 Sample ID: SS-FSS-05-049-00
 Sample Title: SS-FSS-05-049-00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.473E+002 g
 Sample Taken On: 5/18/2005 12:52:00 PM
 Acquisition Started: 5/20/2005 8:39:49 AM
 Live Time: 600.0 seconds
 Real Time: 600.7 seconds
 Dead Time: 0.12 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide Activity MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line Act MDA (pCi/g)
K-40	1.97E+001	3.90E+000	3.00E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	-2.28E-002	1.15E-001	1.90E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	5.75E-002	9.73E-002	1.78E-001	
CO-60	NOT FOUND/DATA for	1173.24 keV	-6.93E-002	1.59E-001	2.42E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	3.18E-002	2.51E-001	4.64E-001	
AG-110m	NOT FOUND/DATA for	884.68 keV	-1.04E-002	1.83E-001	1.94E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-1.29E-001	2.64E-001	4.54E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-7.15E-003	1.00E-001	1.81E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	2.66E-002	1.37E-001	2.75E-001	
TL-208	NOT FOUND/DATA for	583.19 keV	2.48E-001	1.89E-001	3.97E-001	
PB-212	NOT FOUND/DATA for	238.63 keV	9.71E-001	2.97E-001	6.37E-001	
BI-214	1.15E+000	1.29E+000	5.01E-001	FOUND		
PB-214	6.13E-001	2.57E-001	4.90E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	2.66E+000	2.37E+000	4.82E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	7.83E-001	5.90E-001	1.36E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	1.98E+001	4.15E+001	8.04E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	3.02E+000	4.01E+000	7.54E+000	
PA-234	NOT FOUND/DATA for	131.20 keV	-3.67E-001	4.91E-001	6.77E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-4.06E+000	2.52E+001	3.67E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	-4.84E-001	2.11E+000	3.53E+000	
U-234	NOT FOUND/DATA for	53.20 keV	-1.48E+002	3.07E+002	5.45E+002	
U-235	NOT FOUND/DATA for	185.71 keV	7.36E-002	1.51E-001	2.87E-001	
U-238	NOT FOUND/DATA for	92.60 keV	-4.84E-001	2.11E+000	3.53E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-1.88E-001	6.90E-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 05 050 00
 Sample Title: SS FSS 05 050 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.050E+002 g
 Sample Taken On: 5/18/2005 11:25:00 AM
 Acquisition Started: 5/23/2005 8:49:26 AM
 Live Time: 600.0 seconds
 Real Time: 600.8 seconds
 Dead Time: 0.13 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	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	2.26E+001	1.15E+001	4.38E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	1.56E-001	1.09E-001	2.83E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	2.20E-002	1.05E-001	1.86E-001	
CO-60	NOT FOUND/DATA for	1173.24 keV	9.07E-003	9.28E-002	2.13E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	-1.15E-001	3.12E-001	3.55E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	8.05E-002	1.10E-001	2.48E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-7.67E-002	2.81E-001	5.11E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-1.08E-001	1.24E-001	1.61E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	9.70E-002	1.25E-001	2.84E-001	
TL-208	4.08E-001	5.35E-001	2.28E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV	1.06E+000	3.31E-001	7.02E-001	
BI-214	8.79E-001	6.73E-001	4.74E-001	FOUND		
PB-214	9.23E-001	9.58E-001	5.90E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	2.73E+000	2.79E+000	5.49E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	1.11E+000	6.34E-001	1.52E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	4.20E+000	4.55E+001	8.46E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	-3.08E-001	4.06E+000	7.16E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	-1.84E-001	4.37E-001	7.21E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-8.93E+000	2.67E+001	4.50E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	6.68E-001	1.93E+000	3.49E+000	
U-234	NOT FOUND/DATA for	53.20 keV	3.00E+002	4.04E+002	8.05E+002	
U-235	NOT FOUND/DATA for	185.71 keV	1.49E-001	1.67E-001	3.28E-001	
U-238	NOT FOUND/DATA for	92.60 keV	6.68E-001	1.93E+000	3.49E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	2.99E-001	7.41E-001	1.47E+000	

Uncertainty reported at 2.0 sigma

 ***** CERTIFICATE OF ANALYSIS *****

Site Location: CE Windsor
 Sample ID: SS FSS 05 051 00
 Sample Title: SS FSS 05 051 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 7.888E+002 g
 Sample Taken On: 5/23/2005 8:50:00 AM
 Acquisition Started: 5/23/2005 9:53:35 AM
 Live Time: 600.0 seconds
 Real Time: 600.8 seconds
 Dead Time: 0.13 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	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	1.89E+001	1.02E+001	3.16E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	7.35E-002	9.40E-002	2.15E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	-1.35E-002	7.87E-002	1.34E-001
CO-60	NOT FOUND/DATA	for	1173.24 keV	2.08E-002	1.11E-001	2.27E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	-9.75E-002	1.75E-001	2.68E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	-3.66E-002	9.27E-002	1.64E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	-5.08E-002	2.50E-001	4.41E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	-7.36E-002	8.92E-002	1.41E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	1.28E-001	9.59E-002	2.33E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	2.20E-001	1.31E-001	2.96E-001
PB-212	NOT FOUND/DATA	for	238.63 keV	5.67E-001	2.29E-001	4.80E-001
BI-214	NOT FOUND/DATA	for	609.31 keV	6.15E-001	3.24E-001	7.04E-001
PB-214	6.87E-001	2.05E-001	4.79E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	2.38E+000	2.21E+000	4.32E+000
AC-228	NOT FOUND/DATA	for	338.32 keV	2.03E-001	6.01E-001	1.17E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-4.89E+001	3.73E+001	5.68E+001
PA-231	NOT FOUND/DATA	for	300.02 keV	-1.46E+000	3.43E+000	5.38E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	7.46E-002	3.08E-001	5.46E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	-2.87E+000	1.21E+001	2.13E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	-1.44E+000	1.71E+000	2.68E+000
U-234	NOT FOUND/DATA	for	53.20 keV	2.77E+000	2.52E+002	4.92E+002
U-235	NOT FOUND/DATA	for	185.71 keV	1.23E-001	1.35E-001	2.65E-001
U-238	NOT FOUND/DATA	for	92.60 keV	-1.44E+000	1.71E+000	2.68E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	5.41E-001	7.29E-001	1.39E+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 05 052 00
 Sample Title: SS FSS 05 052 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.339E+002 g
 Sample Taken On: 5/18/2005 11:04:00 AM
 Acquisition Started: 5/19/2005 1:55:08 PM
 Live Time: 600.0 seconds
 Real Time: 601.0 seconds
 Dead Time: 0.17 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Nuclide Activity Uncert. (pCi/g)	Nuclide Activity MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line Act MDA (pCi/g)
K-40	2.17E+001	1.44E+001	2.97E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	5.42E-003	1.09E-001	2.22E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	-6.66E-002	1.05E-001	1.68E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	-2.74E-002	1.09E-001	2.21E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	-9.01E-003	2.44E-001	4.73E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-8.87E-002	1.11E-001	1.82E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-1.27E-001	2.57E-001	4.38E-001	
CS-134	NOT FOUND/DATA for	795.84 keV	2.86E-003	1.05E-001	2.18E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	2.26E-002	1.17E-001	2.40E-001	
TL-208	3.05E-001	1.48E-001	2.44E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV	1.15E+000	3.29E-001	6.98E-001	
BI-214	8.84E-001	3.15E-001	4.74E-001	FOUND		
PB-214	1.02E+000	1.06E+000	4.94E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	3.37E-001	2.46E+000	4.51E+000	
AC-228	NOT FOUND/DATA for	338.32 keV	-1.62E-001	7.99E-001	1.45E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	2.88E+001	4.29E+001	8.59E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	8.35E-001	3.77E+000	6.96E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	-2.31E-001	4.32E-001	6.98E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	3.62E+000	2.17E+001	4.29E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	1.17E+000	2.00E+000	3.68E+000	
U-234	NOT FOUND/DATA for	53.20 keV	3.15E+001	4.50E+002	8.46E+002	
U-235	NOT FOUND/DATA for	185.71 keV	1.49E-001	1.41E-001	2.87E-001	
U-238	NOT FOUND/DATA for	92.60 keV	1.17E+000	2.00E+000	3.68E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-3.56E-001	7.14E-001	1.24E+000	

Uncertainty reported at 2.0 sigma

 ***** CERTIFICATE OF ANALYSIS *****

Site Location: CE Windsor
 Sample ID: SS FSS 05 053 00
 Sample Title: SS FSS 05 053 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.402E+002 g
 Sample Taken On: 5/18/2005 10:56:00 AM
 Acquisition Started: 5/19/2005 1:21:55 PM
 Live Time: 600.0 seconds
 Real Time: 600.9 seconds
 Dead Time: 0.15 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	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	1.87E+001	1.12E+001	3.61E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	-7.94E-002	9.66E-002	1.36E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	5.06E-002	9.77E-002	1.72E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	-9.05E-003	1.30E-001	2.44E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	-1.52E-001	2.83E-001	5.03E-001
AG-110m	NOT FOUND/DATA	for	937.49 keV	0.00E+000	0.00E+000	1.26E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	1.69E-002	2.82E-001	5.44E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	5.61E-002	1.06E-001	2.25E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	4.68E-002	8.38E-002	2.01E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	3.57E-001	1.84E-001	4.11E-001
PB-212	NOT FOUND/DATA	for	238.63 keV	8.80E-001	3.00E-001	6.35E-001
BI-214	8.88E-001	3.22E-001	4.39E-001	FOUND		
PB-214	1.04E+000	1.01E+000	5.00E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	-7.64E-002	2.33E+000	4.25E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	6.81E-001	6.13E-001	1.38E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-4.83E+000	3.90E+001	7.29E+001
PA-231	NOT FOUND/DATA	for	300.02 keV	1.12E+000	3.77E+000	7.02E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	8.57E-002	3.77E-001	6.72E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	6.90E+000	2.09E+001	4.49E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	9.64E-001	1.94E+000	3.54E+000
U-234	NOT FOUND/DATA	for	53.20 keV	1.02E+002	3.57E+002	7.03E+002
U-235	NOT FOUND/DATA	for	185.71 keV	-9.88E-002	1.39E-001	2.38E-001
U-238	NOT FOUND/DATA	for	92.60 keV	9.64E-001	1.94E+000	3.54E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	3.50E-001	7.34E-001	1.46E+000

Uncertainty reported at 2.0 sigma

 ***** CERTIFICATE OF ANALYSIS *****

Site Location: CE Windsor
 Sample ID: SS FSS 05 054 00
 Sample Title: SS FSS 05 054 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.514E+002 g
 Sample Taken On: 5/18/2005 10:45:00 AM
 Acquisition Started: 5/19/2005 2:06:45 PM
 Live Time: 600.0 seconds
 Real Time: 600.9 seconds
 Dead Time: 0.16 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	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	2.48E+001	4.29E+000	3.19E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	5.04E-002	9.40E-002	2.16E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	-7.68E-002	9.74E-002	1.52E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	4.22E-002	1.24E-001	2.82E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	5.04E-002	2.26E-001	4.95E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	2.19E-002	1.06E-001	2.19E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	2.42E-001	2.87E-001	6.22E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-5.86E-002	1.01E-001	1.71E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	1.34E-002	1.38E-001	2.73E-001	
TL-208	3.98E-001	1.57E-001	2.13E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV	9.04E-001	3.12E-001	6.50E-001	
BI-214	8.48E-001	3.09E-001	4.28E-001	FOUND		
PB-214	9.73E-001	3.11E-001	5.23E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	1.70E+000	2.55E+000	4.83E+000	
AC-228	1.80E+000	7.92E-001	6.16E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV	6.26E-001	4.24E+001	7.99E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	-4.70E-002	4.06E+000	7.02E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	-3.96E-002	4.13E-001	7.05E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-2.43E+000	2.02E+001	3.34E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	3.46E-001	1.91E+000	3.38E+000	
U-234	NOT FOUND/DATA for	53.20 keV	1.53E+002	3.24E+002	6.61E+002	
U-235	NOT FOUND/DATA for	185.71 keV	2.28E-001	1.49E-001	3.08E-001	
U-238	NOT FOUND/DATA for	92.60 keV	3.46E-001	1.91E+000	3.38E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	4.80E-001	7.90E-001	1.57E+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 05 054 00
 Sample Title: SS FSS 05 054 00 DUP
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.518E+002 g
 Sample Taken On: 5/18/2005 10:45:00 AM
 Acquisition Started: 5/19/2005 2:17:31 PM
 Live Time: 600.0 seconds
 Real Time: 601.0 seconds
 Dead Time: 0.16 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	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	2.32E+001	1.25E+001	2.83E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	6.36E-002	1.17E-001	2.50E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	3.26E-002	9.96E-002	1.79E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	4.62E-002	1.10E-001	2.62E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	-3.73E-001	3.26E-001	4.21E-001
AG-110m	NOT FOUND/DATA	for	884.68 keV	-1.34E-001	1.43E-001	2.23E-001
SB-125	NOT FOUND/DATA	for	600.56 keV	-4.16E-001	5.41E-001	5.76E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	-5.84E-002	1.38E-001	1.89E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	1.22E-001	1.41E-001	3.06E-001
TL-208	5.49E-001	1.70E-001	1.98E-001	FOUND		
PB-212	1.35E+000	2.71E-001	4.66E-001	FOUND		
BI-214	7.99E-001	1.09E+000	4.77E-001	FOUND		
PB-214	7.70E-001	5.08E-001	4.99E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	1.20E+000	2.74E+000	5.10E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	1.30E+000	6.45E-001	1.55E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-1.06E+001	4.01E+001	7.31E+001
PA-231	NOT FOUND/DATA	for	300.02 keV	1.57E+000	3.85E+000	7.14E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	-1.25E-001	4.46E-001	7.37E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	1.22E+000	1.56E+001	3.34E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	1.50E+000	2.02E+000	3.73E+000
U-234	NOT FOUND/DATA	for	53.20 keV	8.31E+001	4.06E+002	7.73E+002
U-235	NOT FOUND/DATA	for	185.71 keV	1.10E-001	1.64E-001	3.13E-001
U-238	NOT FOUND/DATA	for	92.60 keV	1.50E+000	2.02E+000	3.73E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	-8.09E-001	7.21E-001	1.05E+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 05 055 00
 Sample Title: SS FSS 05 055 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.909E+002 g
 Sample Taken On: 5/18/2005 10:35:00 AM
 Acquisition Started: 5/19/2005 1:33:34 PM
 Live Time: 600.0 seconds
 Real Time: 600.9 seconds
 Dead Time: 0.16 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	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	2.24E+001	1.23E+001	2.93E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	5.53E-002	8.59E-002	2.03E-001
CO-57	NOT FOUND/DATA for		122.06 keV	-2.80E-002	1.05E-001	1.69E-001
CO-60	NOT FOUND/DATA for		1173.24 keV	6.09E-002	1.13E-001	2.60E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-2.43E-001	3.78E-001	4.34E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	-2.71E-002	8.40E-002	1.56E-001
SB-125	NOT FOUND/DATA for		427.89 keV	-1.34E-001	3.34E-001	5.86E-001
CS-134	NOT FOUND/DATA for		795.84 keV	6.55E-003	1.05E-001	2.16E-001
CS-137	NOT FOUND/DATA for		661.66 keV	8.55E-002	1.28E-001	2.74E-001
TL-208	NOT FOUND/DATA for		583.19 keV	3.84E-001	1.92E-001	4.15E-001
PB-212	NOT FOUND/DATA for		238.63 keV	9.50E-001	2.84E-001	6.07E-001
BI-214	7.26E-001	7.12E-001	5.02E-001	FOUND		
PB-214	8.84E-001	2.69E-001	4.78E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	2.17E+000	2.21E+000	4.42E+000
AC-228	NOT FOUND/DATA for		911.21 keV	9.78E-001	6.23E-001	1.44E+000
TH-230	NOT FOUND/DATA for		67.67 keV	2.62E+001	3.63E+001	7.41E+001
PA-231	NOT FOUND/DATA for		300.02 keV	8.69E-001	3.84E+000	6.96E+000
PA-234	NOT FOUND/DATA for		98.44 keV	7.26E-002	4.11E-001	7.11E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	1.82E+000	2.16E+001	4.37E+001
TH-234	NOT FOUND/DATA for		92.60 keV	2.07E+000	1.88E+000	3.58E+000
U-234	NOT FOUND/DATA for		53.20 keV	6.97E+001	3.70E+002	7.05E+002
U-235	NOT FOUND/DATA for		185.71 keV	8.44E-002	1.37E-001	2.66E-001
U-238	NOT FOUND/DATA for		92.60 keV	2.07E+000	1.88E+000	3.58E+000
AM-241	NOT FOUND/DATA for		59.54 keV	-1.48E-001	7.85E-001	1.37E+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 05 056 00
 Sample Title: SS FSS 05 056 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 7.312E+002 g
 Sample Taken On: 5/18/2005 10:25:00 AM
 Acquisition Started: 5/19/2005 1:44:13 PM
 Live Time: 600.0 seconds
 Real Time: 600.9 seconds
 Dead Time: 0.15 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	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	2.01E+001	9.03E+000	4.83E-001	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	-5.67E-002	8.46E-002	1.38E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	-7.26E-002	9.00E-002	1.42E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	-2.97E-003	7.12E-002	1.65E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	-8.60E-002	2.52E-001	4.41E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	-8.90E-002	1.21E-001	1.68E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	2.38E-002	2.28E-001	4.59E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	-3.21E-002	1.02E-001	1.83E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	7.13E-002	1.26E-001	2.59E-001
TL-208	2.86E-001	4.36E-001	1.86E-001	FOUND		
PB-212	NOT FOUND/DATA	for	238.63 keV	9.41E-001	2.64E-001	5.71E-001
BI-214	NOT FOUND/DATA	for	609.31 keV	6.48E-001	2.92E-001	6.79E-001
PB-214	6.56E-001	2.60E-001	4.81E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	4.59E-001	2.18E+000	4.00E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	1.30E+000	6.20E-001	1.47E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	7.22E+000	3.34E+001	6.51E+001
PA-231	NOT FOUND/DATA	for	300.02 keV	1.78E+000	3.26E+000	6.15E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	-1.06E-001	3.85E-001	6.35E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	1.17E+001	1.38E+001	3.49E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	1.43E+000	1.66E+000	3.13E+000
U-234	NOT FOUND/DATA	for	53.20 keV	1.74E+002	3.33E+002	6.54E+002
U-235	NOT FOUND/DATA	for	185.71 keV	6.95E-002	1.24E-001	2.41E-001
U-238	NOT FOUND/DATA	for	92.60 keV	1.43E+000	1.66E+000	3.13E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	4.44E-001	6.68E-001	1.34E+000

Uncertainty reported at 2.0 sigma