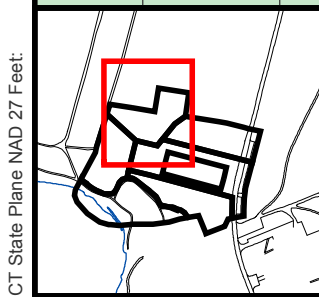
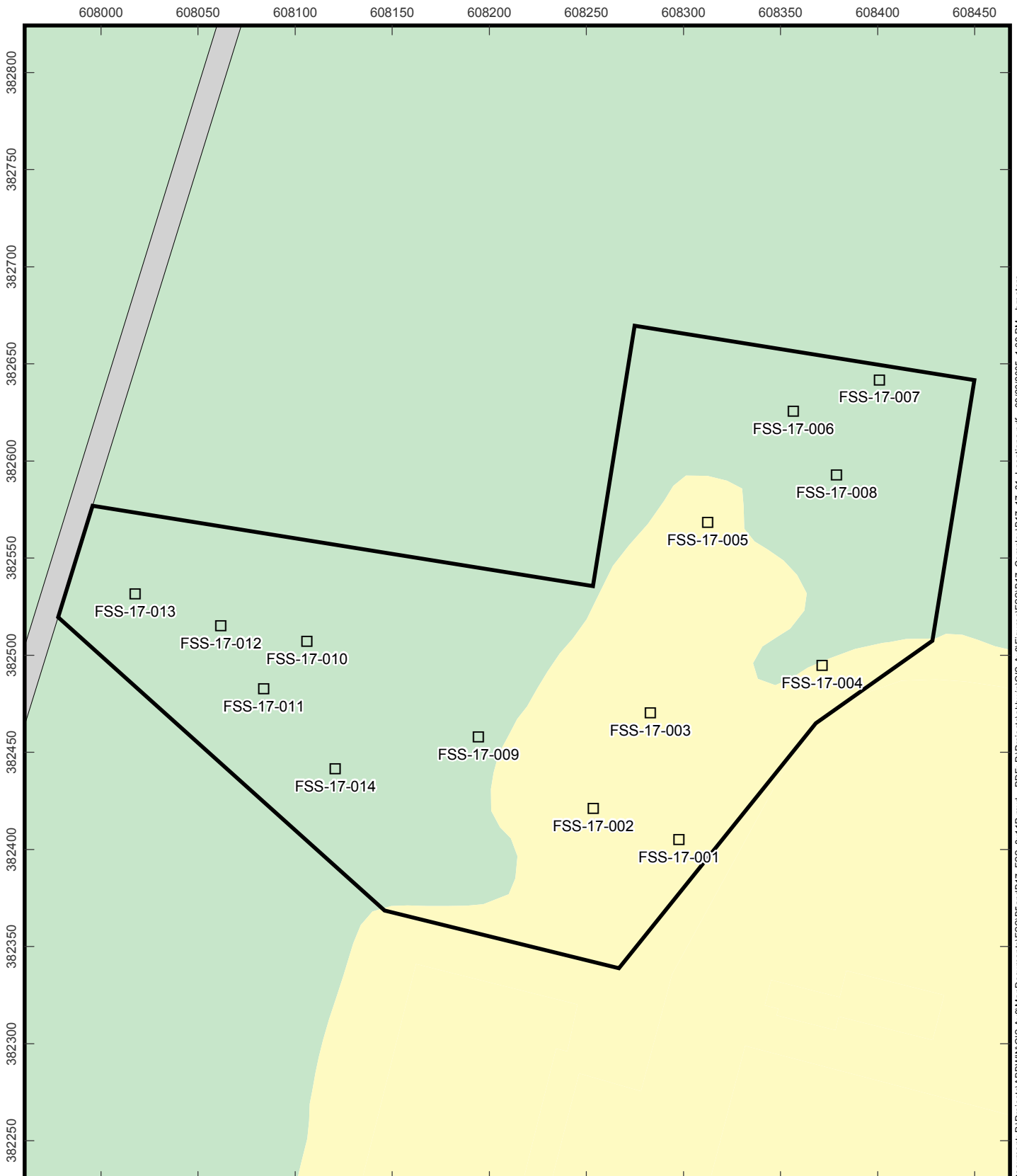


APPENDIX A

**SURVEY UNIT CE-FSS-17-01
RESULTS AND DATA EVALUATION**



Legend

Soil Sample Location	Forest
Survey Unit	Open
	Water
	Road
	Building

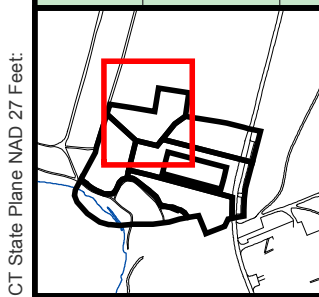
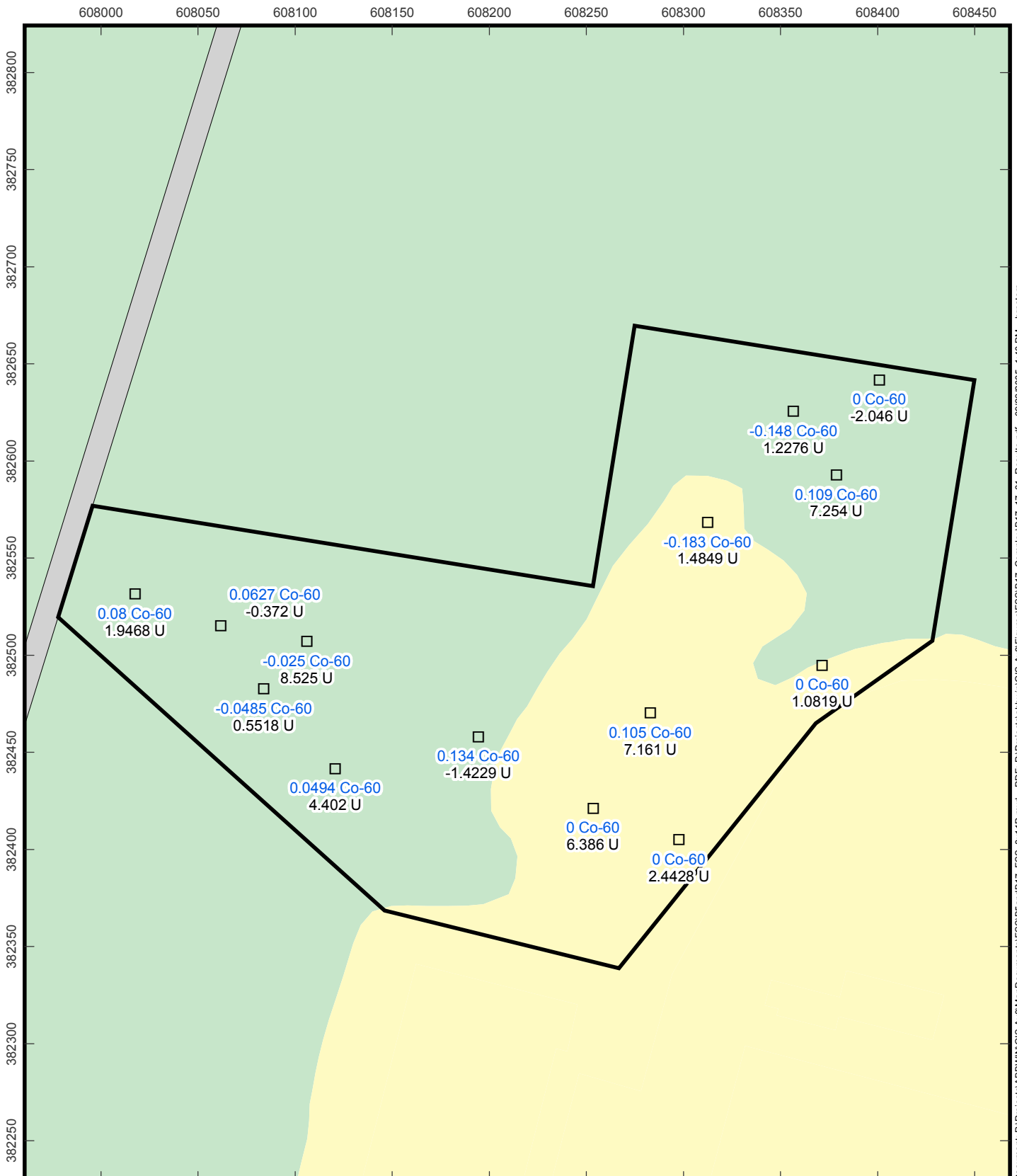
Prepared by BRP Checked by HTD

Sample Locations
Building 17 Complex
Survey Unit CE-FSS-17-01

Final Status Survey
CE Windsor Site
Windsor, Connecticut

Document: P:\Projects\ABBWIN\GIS-Av8\MapDocuments\FSS\B5andB17_FSS_8x11P.mxd PDF: P:\Projects\ABBWIN\GIS-Av8\Figures\FSS\B17_17_01_Locations.pdf 09/23/2005 1:39 PM bpreters

CT State Plane NAD 27 Feet:



Legend

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

Prepared by BRP | Checked by HTD

Sample Results
 Building 17 Complex
 Survey Unit CE-FSS-17-01

Final Status Survey
 CE Windsor Site
 Windsor, Connecticut

MACTEC

CT State Plane NAD 27 Feet:

Survey Unit CE-FSS-17-01

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-17-001-00	0.00E+00	0.00E+00	1.23E-01	U	7.88E-02	1.73E-01	3.22E-01	U	2.4	0.004
SS-FSS-17-002-00	0.00E+00	1.42E-01	3.02E-01	U	2.06E-01	1.89E-01	3.80E-01	U	6.4	0.011
SS-FSS-17-003-00	1.05E-01	2.42E-01	6.25E-01	U	2.31E-01	2.44E-01	4.92E-01	U	7.2	0.034
SS-FSS-17-004-00	0.00E+00	0.00E+00	1.09E-01	U	3.49E-02	1.64E-01	3.02E-01	U	1.1	0.002
SS-FSS-17-005-00	-1.83E-01	2.51E-01	3.84E-01	U	4.79E-02	2.04E-01	3.78E-01	U	1.5	-0.034
SS-FSS-17-006-00	-1.48E-01	4.82E-01	3.97E-01	U	3.96E-02	1.80E-01	3.39E-01	U	1.2	-0.027
SS-FSS-17-007-00	0.00E+00	0.00E+00	1.61E-01	U	-6.60E-02	2.39E-01	4.07E-01	U	-2.0	-0.004
SS-FSS-17-008-00	1.09E-01	1.55E-01	5.08E-01	U	2.34E-01	2.18E-01	4.48E-01	U	7.3	0.035
SS-FSS-17-009-00	1.34E-01	1.90E-01	6.22E-01	U	-4.59E-02	2.26E-01	3.96E-01	U	-1.4	0.024
SS-FSS-17-010-00	-2.50E-02	2.11E-01	3.69E-01	U	2.75E-01	1.63E-01	3.77E-01	U	8.5	0.010
SS-FSS-17-011-00	-4.85E-02	2.83E-01	5.14E-01	U	1.78E-02	2.31E-01	4.17E-01	U	0.6	-0.009
SS-FSS-17-012-00	6.27E-02	1.25E-01	4.61E-01	U	-1.20E-02	2.01E-01	3.61E-01	U	-0.4	0.012
SS-FSS-17-013-00	8.00E-02	2.07E-01	5.40E-01	U	6.28E-02	1.92E-01	3.60E-01	U	1.9	0.019
SS-FSS-17-014-00	4.94E-02	2.28E-01	4.15E-01	U	1.42E-01	1.97E-01	3.92E-01	U	4.4	0.018

Survey Unit CE-FSS-17-01

One-Minute Static Field Measurement Results

Sample ID	Static Count Rate (cpm)	Ambient Background (cpm)	Net (cpm)	pCi/g
SS-FSS-17-001-00	3,668	3,700	-32	-0.1
SS-FSS-17-002-00	3,456	3,700	-244	-0.8
SS-FSS-17-003-00	3,438	3,700	-262	-0.9
SS-FSS-17-004-00	3,864	3,700	164	0.5
SS-FSS-17-005-00	3,659	3,700	-41	-0.1
SS-FSS-17-006-00	3,299	3,700	-401	-1.3
SS-FSS-17-007-00	2,987	3,700	-713	-2.4
SS-FSS-17-008-00	3,468	3,700	-232	-0.8
SS-FSS-17-009-00	3,245	3,700	-455	-1.5
SS-FSS-17-010-00	3,488	3,700	-212	-0.7
SS-FSS-17-011-00	3,184	3,700	-516	-1.7
SS-FSS-17-012-00	3,660	3,700	-40	-0.1
SS-FSS-17-013-00	3,332	3,700	-368	-1.2
SS-FSS-17-014-00	4,073	3,700	373	1.2

Survey Unit CE-FSS-17-01

Final Status Survey Sample GPS Coordinates

Sample ID	X Coord	Y Coord
SS-FSS-17-001-00	608297.67829400000	382405.04462200000
SS-FSS-17-002-00	608253.44128900000	382421.38629900000
SS-FSS-17-003-00	608282.93262600000	382470.41132800000
SS-FSS-17-004-00	608371.40663600000	382494.92384300000
SS-FSS-17-005-00	608312.42396300000	382568.46138800000
SS-FSS-17-006-00	608356.66096800000	382625.65725500000
SS-FSS-17-007-00	608400.89797300000	382641.99893200000
SS-FSS-17-008-00	608378.77947000000	382592.97390200000
SS-FSS-17-009-00	608194.45861600000	382458.15507100000
SS-FSS-17-010-00	608105.98460600000	382507.18010000000
SS-FSS-17-011-00	608083.86610300000	382482.66758600000
SS-FSS-17-012-00	608061.74760100000	382515.35093900000
SS-FSS-17-013-00	608017.51059600000	382531.69261500000
SS-FSS-17-014-00	608120.73027400000	382441.81339400000

Descriptive Statistics Report

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Summary Section of 17-01 Co-60

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	9.685715E-03	9.227489E-02	0.0246615	-0.183	0.134	0.317

Counts Section of 17-01 Co-60

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
35	14	21	11	0.1356	0.1120039	0.1106905

Means Section of 17-01 Co-60

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	9.685715E-03	0	8.510744E-02	4.967977	0.1356	0
Std Error	0.0246615				0.345261	
95% LCL	-4.359222E-02	-0.0485	5.739728E-02	7.360018E-02	-0.6102911	
95% UCL	6.296365E-02	0.08	0.1261954	-7.584754E-02	0.8814911	
T-Value	0.3927					
Prob Level	0.700871					
Count	14		6	10		4

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 17-01 Co-60

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	8.514655E-03	9.227489E-02	9.406481E-02	0.0246615	0.117125	0.317
Std Error	3.065345E-03	2.348988E-02		6.277934E-03		
95% LCL	4.474947E-03	6.689505E-02		1.787845E-02		
95% UCL	2.209943E-02	0.1486588		3.973072E-02		

Skewness and Kurtosis Section of 17-01 Co-60

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	-0.7103192	2.814481	-0.7985609	0.3168476	9.526906	0
Std Error	0.331689	1.028082			24.32275	

Trimmed Section of 17-01 Co-60

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	1.348413E-02	0.017875	0.0222398	1.994286E-02	1.325476E-02	0
Trim-Std Dev	7.970931E-02	6.527943E-02	4.837004E-02	3.439992E-02	0.0255905	0
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of 17-01 Co-60

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.0688551	6.747143E-02	7.906466E-03	-4.993754E-04	1.759394E-04
Std Error	1.480044E-02		2.846391E-03	2.679815E-04	7.521884E-05

Descriptive Statistics Report

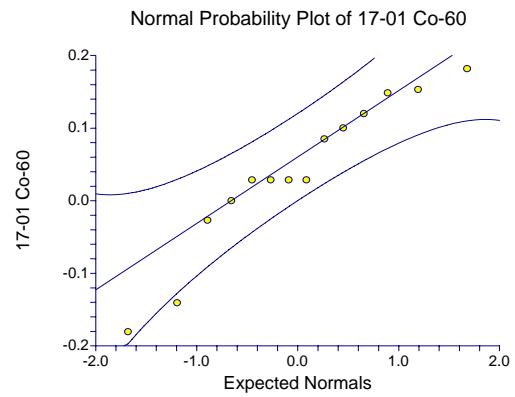
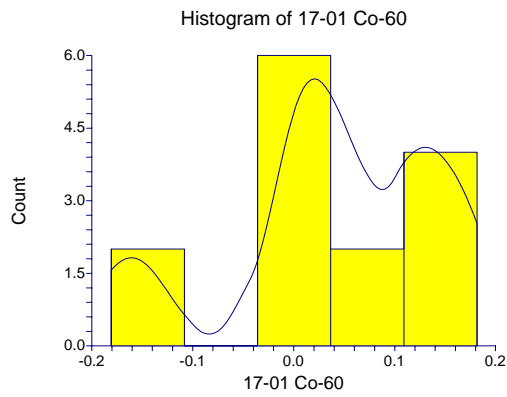
Quartile Section of 17-01 Co-60

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-0.1655	-0.030875	0	0.08625	0.1215
95% LCL		-0.183	-0.0485	0	
95% UCL		0	0.08	0.134	

Normality Test Section of 17-01 Co-60

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.923784	0.249155			Can't reject normality
Anderson-Darling	0.4428622	0.287089			Can't reject normality
Martinez-Iglewicz	1.004633		1.305415	1.57245	Can't reject normality
Kolmogorov-Smirnov	0.1132271		0.208	0.226	Can't reject normality
D'Agostino Skewness	-1.3655	0.172103	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	0.5018	0.615819	1.645	1.960	Can't reject normality
D'Agostino Omnibus	2.1163	0.347094	4.605	5.991	Can't reject normality

Plots Section of 17-01 Co-60



Descriptive Statistics Report

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Percentile Section of 17-01 Co-60

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.134			
95.0	0.134			
90.0	0.1215			
85.0	0.108			
80.0	0.105	0	0.134	95.3622
75.0	0.08625	0	0.134	97.1873
70.0	0.07135	0	0.134	96.1749
65.0	0.059375	0	0.109	95.5137
60.0	0.0494	0	0.109	97.4393
55.0	0.01235	-0.025	0.105	97.1563
50.0	0	-0.0485	0.08	96.4844
45.0	0	-0.0485	0.08	97.1563
40.0	0	-0.148	0.0627	97.4393
35.0	0	-0.148	0.0494	95.5137
30.0	-0.0125	-0.183	0	96.1749
25.0	-0.030875	-0.183	0	97.1873
20.0	-0.0485	-0.183	0	95.3622
15.0	-0.123125			
10.0	-0.1655			
5.0	-0.183			
1.0	-0.183			

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

Stem-Leaf Plot Section of 17-01 Co-60

Depth	Stem	Leaves
Low		-18
2	-1*	4
2	.	
6	-0*	4200
(3)	0*	004
5	.	68
3	1*	003

Unit = .01 Example: 1 |2 Represents 0.12

Descriptive Statistics Report

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Summary Section of 17-01 Total U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	2.758571	3.414102	0.912457	-2.05	8.53	10.58

Counts Section of 17-01 Total U

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
35	14	21	14	38.62	258.0652	151.5292

Means Section of 17-01 Total U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	2.758571	1.715	2.735	6.865062	38.62	
Std Error	0.912457				12.7744	
95% LCL	0.7873278	-0.37	1.461789	1.35903	11.02259	
95% UCL	4.729815	6.39	5.117173	-2.249776	66.21741	
T-Value	3.0232					
Prob Level	0.009791					
Count	14		11	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 17-01 Total U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	11.65609	3.414102	3.480327	0.912457	6.2625	10.58
Std Error	2.886882	0.5979125		0.1597988		
95% LCL	6.125954	2.475066		0.6614893		
95% UCL	30.25289	5.500263		1.470007		

Skewness and Kurtosis Section of 17-01 Total U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	0.3689608	1.858777	0.4147961	-1.094989	1.237634	1.566847
Std Error	0.4189064	0.5604268			0.3618881	

Trimmed Section of 17-01 Total U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	2.705079	2.661429	2.615408	2.292857	1.820952	1.715
Trim-Std Dev	3.107151	2.799481	2.485118	1.720114	0.7038724	0.4396448
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of 17-01 Total U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	2.848163	2.687143	10.82351	13.1381	217.7528
Std Error	0.5476051		2.680676	12.95588	73.13948

Descriptive Statistics Report

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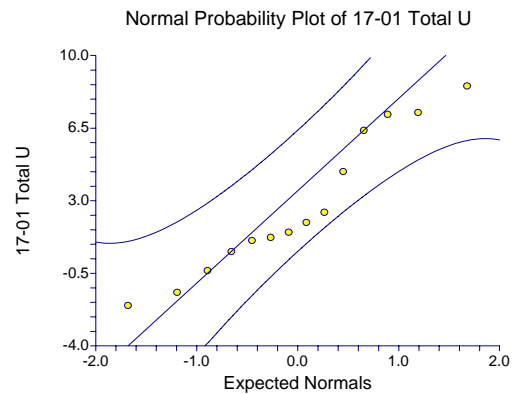
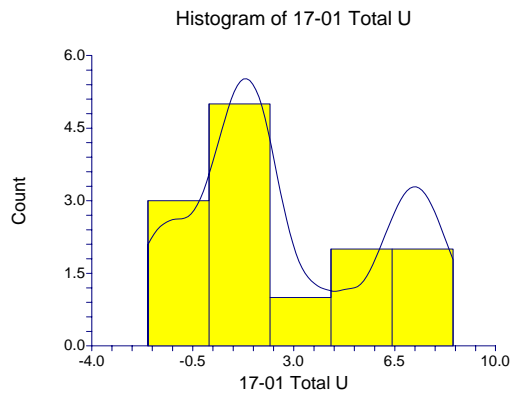
Quartile Section of 17-01 Total U

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-1.735	0.32	1.715	6.5825	7.89
95% LCL		-2.05	-0.37	1.48	
95% UCL		1.95	6.39	8.53	

Normality Test Section of 17-01 Total U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9262517	0.270151			Can't reject normality
Anderson-Darling	0.4610097	0.259694			Can't reject normality
Martinez-Iglewicz	1.009583		1.305415	1.57245	Can't reject normality
Kolmogorov-Smirnov	0.1800287		0.208	0.226	Can't reject normality
D'Agostino Skewness	0.7261	0.467771	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	-1.1171	0.263936	1.645	1.960	Can't reject normality
D'Agostino Omnibus	1.7752	0.411637	4.605	5.991	Can't reject normality

Plots Section of 17-01 Total U



Descriptive Statistics Report

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Percentile Section of 17-01 Total U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	8.53			
95.0	8.53			
90.0	7.89			
85.0	7.2275			
80.0	7.16	1.48	8.53	95.3622
75.0	6.5825	1.48	8.53	97.1873
70.0	5.395	1.48	8.53	96.1749
65.0	3.91	1.23	7.25	95.5137
60.0	2.44	1.08	7.25	97.4393
55.0	2.0725	0.55	7.16	97.1563
50.0	1.715	-0.37	6.39	96.4844
45.0	1.4175	-0.37	6.39	97.1563
40.0	1.23	-1.42	4.4	97.4393
35.0	1.1175	-1.42	2.44	95.5137
30.0	0.815	-2.05	1.95	96.1749
25.0	0.32	-2.05	1.95	97.1873
20.0	-0.37	-2.05	1.95	95.3622
15.0	-1.1575			
10.0	-1.735			
5.0	-2.05			
1.0	-2.05			

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

Stem-Leaf Plot Section of 17-01 Total U

Depth	Stem	Leaves
3	-0*	210
(5)	0*	01111
6	T	2
5	F	4
4	S	677
1	.	8

Unit = 1 Example: 1 |2 Represents 12

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Summary Section of 17-01 SOF

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	6.785714E-03	2.031361E-02	5.429041E-03	-0.034	0.035	0.069

Counts Section of 17-01 SOF

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
35	14	21	14	0.095	0.006009	5.364357E-03

Means Section of 17-01 SOF

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	6.785714E-03	0.0105	0.0126283	1.740169E-02	0.095	
Std Error	5.429041E-03				7.600658E-02	
95% LCL	-4.943016E-03	-0.009	6.567293E-03	6.414409E-03	-6.920223E-02	
95% UCL	1.851445E-02	0.019	2.428305E-02	-0.0244095	0.2592022	
T-Value	1.2499					
Prob Level	0.233372					
Count	14		10	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 17-01 SOF

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	4.126429E-04	2.031361E-02	2.070765E-02	5.429041E-03	0.0255	0.069
Std Error	1.418417E-04	4.937439E-03		1.319586E-03		
95% LCL	2.168678E-04	1.472643E-02		3.935805E-03		
95% UCL	1.070997E-03	3.272609E-02		8.746416E-03		

Skewness and Kurtosis Section of 17-01 SOF

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	-0.5764678	2.654197	-0.6480812	8.006354E-02	2.993585	1.435374
Std Error	0.3402538	0.9020473			2.579888	

Trimmed Section of 17-01 SOF

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	7.484127E-03	8.142857E-03	8.72449E-03	9.214286E-03	9.285714E-03	0.0105
Trim-Std Dev	0.0177058	1.445538E-02	1.028766E-02	7.108429E-03	4.017817E-03	9.354143E-04
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of 17-01 SOF

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	1.553061E-02	1.507143E-02	3.831684E-04	-4.323739E-06	3.896839E-07
Std Error	3.258204E-03		1.317101E-04	2.608456E-06	1.642171E-07

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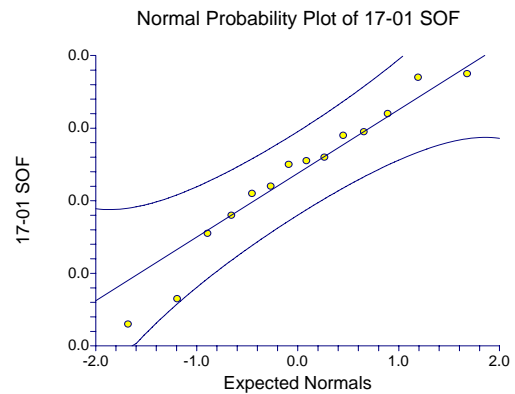
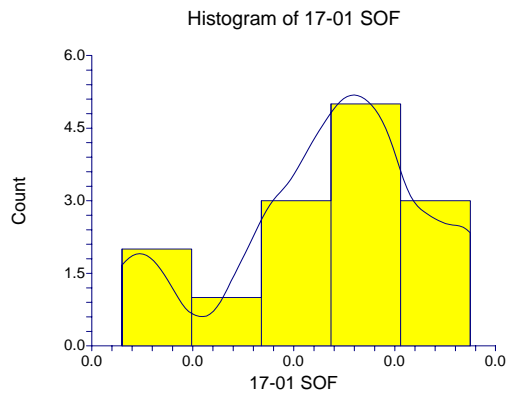
Quartile Section of 17-01 SOF

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-0.0305	-0.00525	0.0105	0.02025	0.0345
95% LCL		-0.034	-0.009	0.01	
95% UCL		0.011	0.019	0.035	

Normality Test Section of 17-01 SOF

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9483212	0.534958			Can't reject normality
Anderson-Darling	0.2869952	0.621909			Can't reject normality
Martinez-Iglewicz	1.080474		1.305415	1.57245	Can't reject normality
Kolmogorov-Smirnov	0.0947215		0.208	0.226	Can't reject normality
D'Agostino Skewness	-1.1201	0.262686	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	0.2969	0.766569	1.645	1.960	Can't reject normality
D'Agostino Omnibus	1.3427	0.511025	4.605	5.991	Can't reject normality

Plots Section of 17-01 SOF



Descriptive Statistics Report

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Percentile Section of 17-01 SOF

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.035			
95.0	0.035			
90.0	0.0345			
85.0	0.0315			
80.0	0.024	0.01	0.035	95.3622
75.0	0.02025	0.01	0.035	97.1873
70.0	0.0185	0.01	0.035	96.1749
65.0	0.0165	0.004	0.034	95.5137
60.0	0.012	0.002	0.034	97.4393
55.0	0.01125	-0.004	0.024	97.1563
50.0	0.0105	-0.009	0.019	96.4844
45.0	0.0085	-0.009	0.019	97.1563
40.0	0.004	-0.027	0.018	97.4393
35.0	0.0025	-0.027	0.012	95.5137
30.0	-0.001	-0.034	0.011	96.1749
25.0	-0.00525	-0.034	0.011	97.1873
20.0	-0.009	-0.034	0.011	95.3622
15.0	-0.0225			
10.0	-0.0305			
5.0	-0.034			
1.0	-0.034			

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

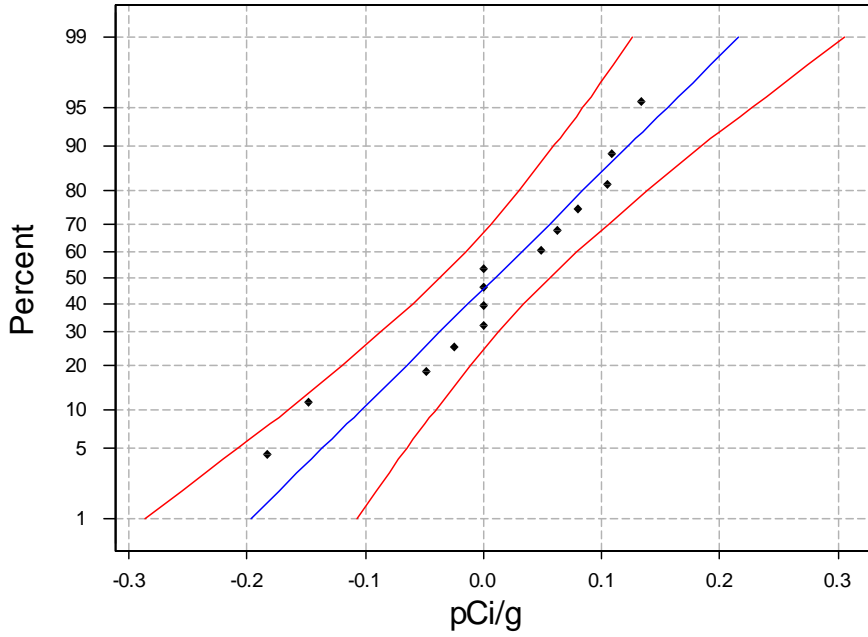
Stem-Leaf Plot Section of 17-01 SOF

Depth	Stem	Leaves
1	-3	4
2	-2	7
2	-1	
4	-0	94
6	0	24
(5)	1	01289
3	2	4
2	3	45

Unit = .001 Example: 1 |2 Represents 0.012

Normal Probability Plot for SU1 Co-60

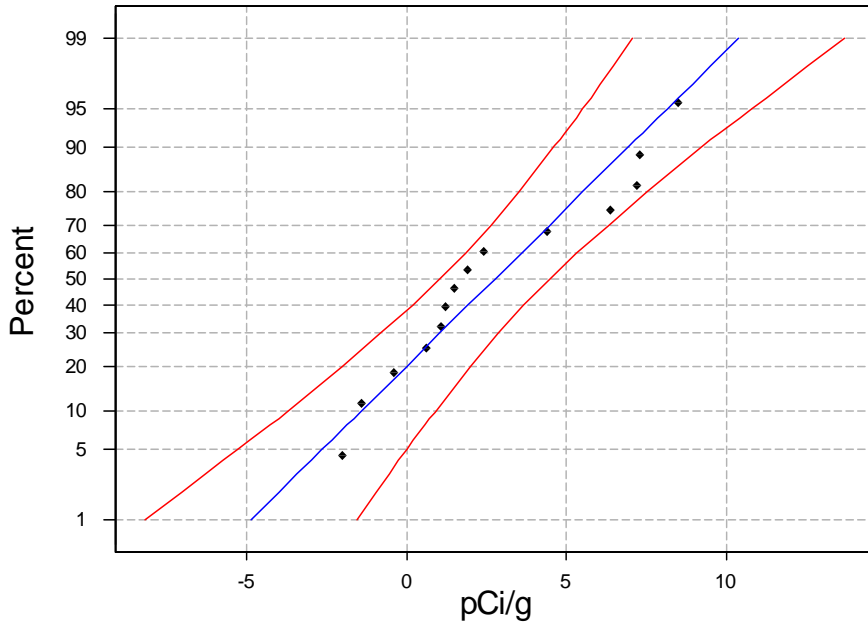
ML Estimates - 95% CI



ML Estimates
Mean 0.0096857
StDev 0.0889183
Goodness of Fit
AD* 1.157

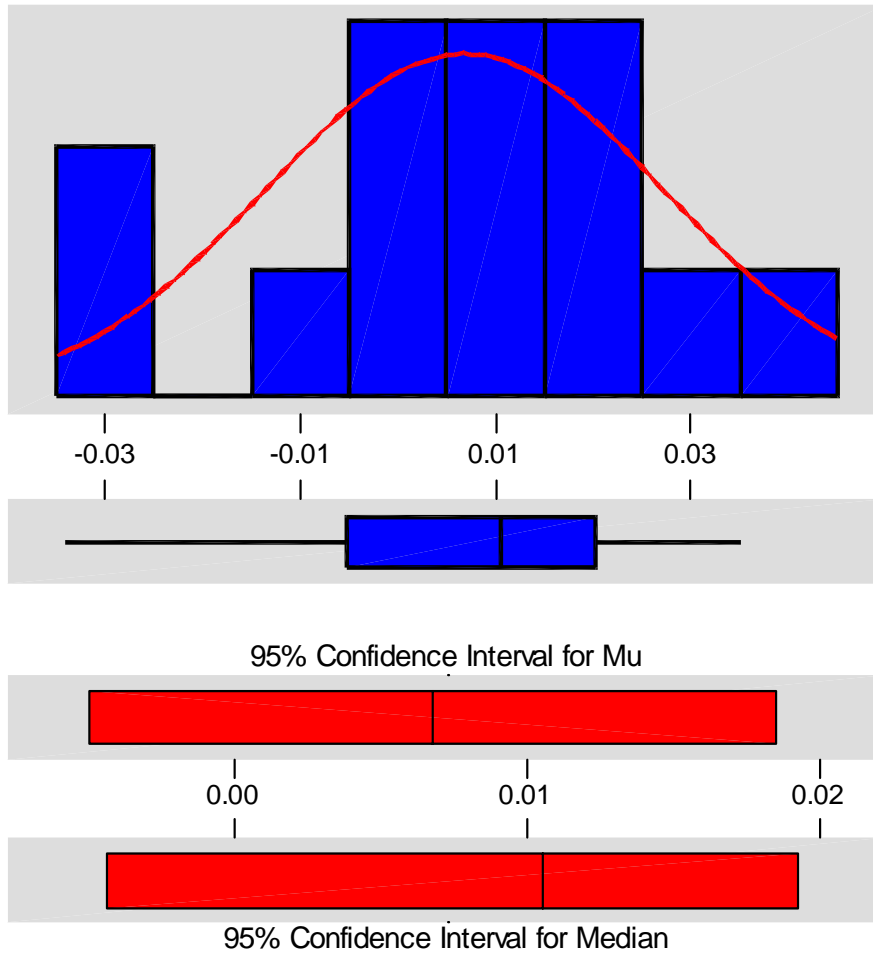
Normal Probability Plot for SU1 Tot U

ML Estimates - 95% CI



ML Estimates
Mean 2.76429
StDev 3.28929
Goodness of Fit
AD* 1.238

Descriptive Statistics



Variable: SU1 SOF

Anderson-Darling Normality Test

A-Squared: 0.284
P-Value: 0.576

Mean 6.79E-03
StDev 2.03E-02
Variance 4.13E-04
Skewness -6.5E-01
Kurtosis 8.01E-02
N 14

Minimum -3.4E-02
1st Quartile -5.2E-03
Median 1.05E-02
3rd Quartile 2.03E-02
Maximum 3.50E-02

95% Confidence Interval for Mu
-4.9E-03 1.85E-02

95% Confidence Interval for Sigma
1.47E-02 3.27E-02

95% Confidence Interval for Median
-4.3E-03 1.93E-02

One-Sample T-Test Report

Page 1
Variable 17-01 SOF

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
17-01 SOF	14	6.785714E-03	2.031361E-02	5.429041E-03	-4.943016E-03	1.851445E-02

T for Confidence Limits = 2.1604

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality	-1.1201	0.262686	Cannot reject normality
Kurtosis Normality	0.2969	0.766569	Cannot reject normality
Omnibus Normality	1.3427	0.511025	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)
17-01 SOF<>1	-182.9447	0.000000	Reject Ho	1.000000	1.000000
17-01 SOF<1	-182.9447	0.000000	Reject Ho	1.000000	1.000000
17-01 SOF>1	-182.9447	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

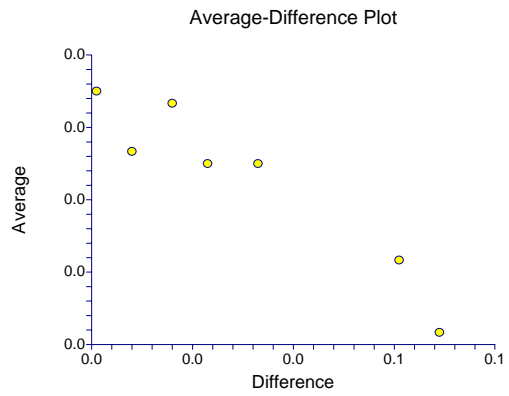
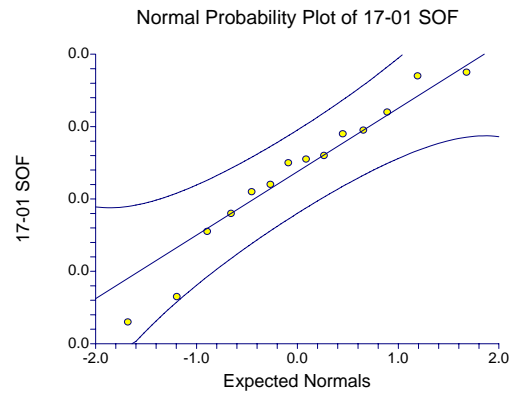
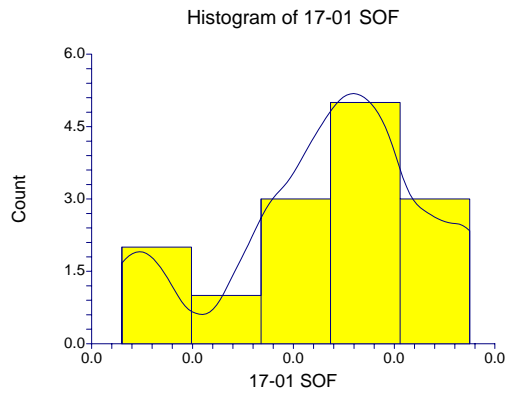
W Sum Ranks	Mean of W	Std Dev of W	Number of Zeros	Number Sets of Ties	Multiplicity Factor
0	52.5	15.92953	0	0	0

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			3.2958	0.000982	Reject Ho	3.2644	0.001097	Reject Ho
Median<1	0.000061	Reject Ho	-3.2958	0.000491	Reject Ho	-3.2644	0.000549	Reject Ho
Median>1			-3.2958	0.999509	Accept Ho	-3.3272	0.999561	Accept Ho

One-Sample T-Test Report

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Variable 17-01 SOF

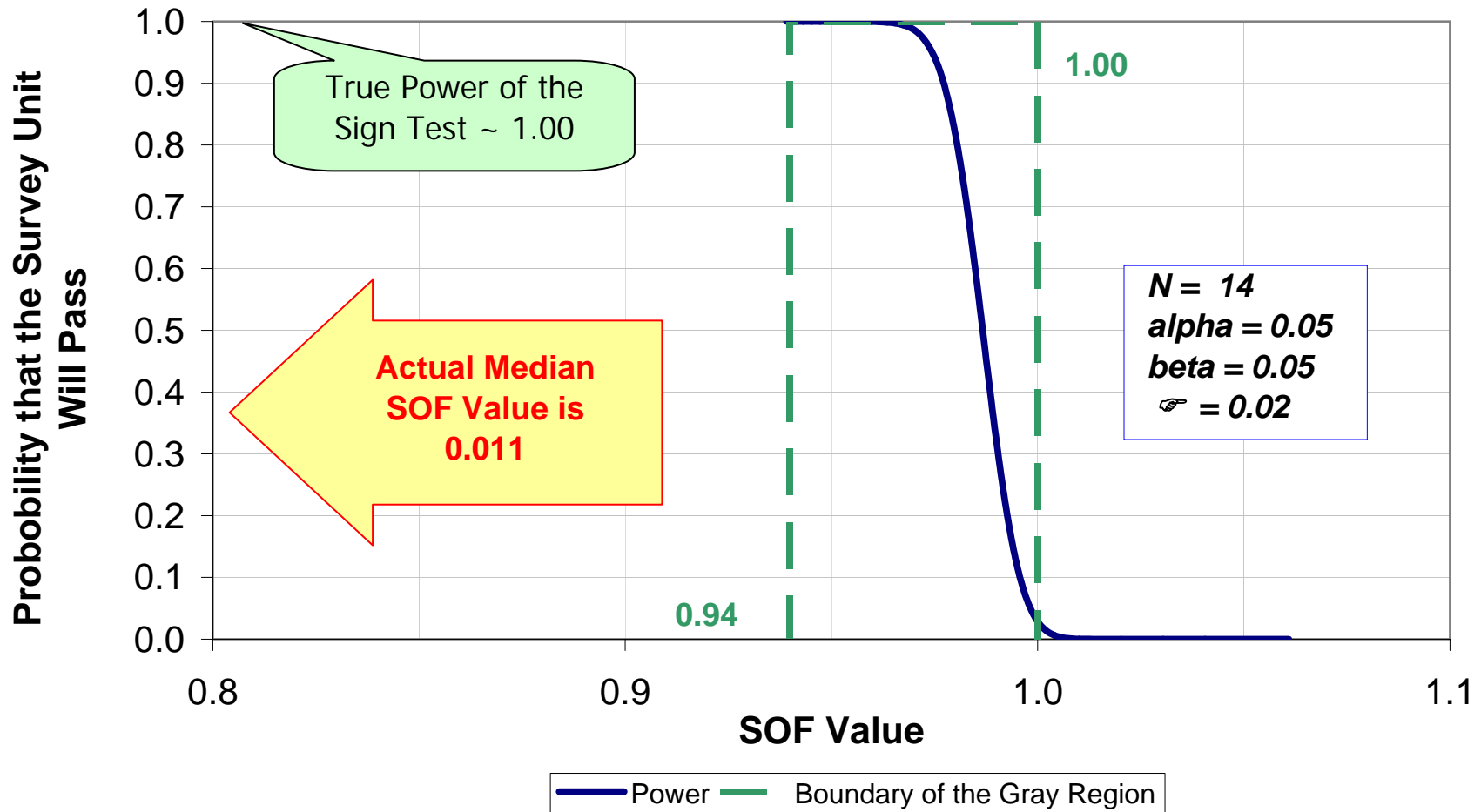
Plots Section



Retrospective Power of the Sign Test

Surface Soil Volumetric Measurements SOF Values

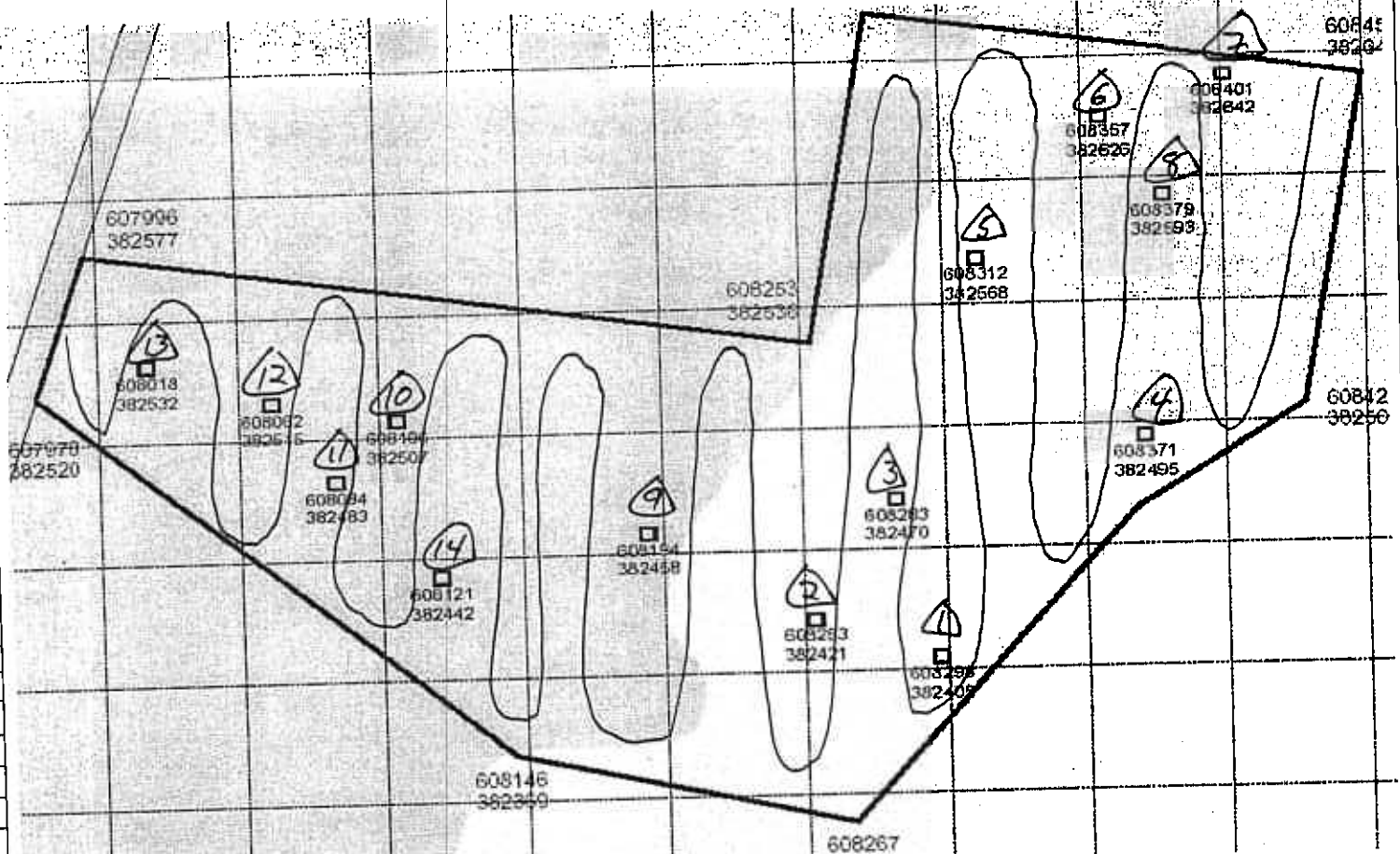
Survey Unit CE-FSS-17-01



RADIOLOGICAL SURVEY MAP

Survey Unit NO: CE-FSS-17-01	
Location	Static Count
SS-FSS-17-001-00	3668
SS-FSS-17-002-00	3456
SS-FSS-17-003-00	3438
SS-FSS-17-004-00	3864
SS-FSS-17-005-00	3658
SS-FSS-17-006-00	3299
SS-FSS-17-006-00-Dup	3299
SS-FSS-17-007-00	2087
SS-FSS-17-008-00	3468
SS-FSS-17-009-00	3245
SS-FSS-17-010-00	3488
SS-FSS-17-011-00	3184
SS-FSS-17-012-00	3660
SS-FSS-17-013-00	3332
SS-FSS-17-014-00	4073

Surveyor Team (print names): Jeff Tweeddale



Comments
 All readings below BKG
10% Walkover with NaI

Instrument: Ludlum 2350-1 w/Probe 44-10	Ser. No:175852/15203	Background (cpm): 3300-4100	Key == - Direct Scan
Technician Signature & Date: <i>Jeff Tweeddale 5/4/05</i>	Review Signature & Date:	Δ - Volumetric Sample	



MACTEC, Inc.

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						
SS-FSS-17-001-00	5/4/2005	713	Rad	Soil	1 Pint							
SS-FSS-17-002-00	5/4/2005	720	Rad	Soil	1 Pint							
SS-FSS-17-003-00	5/4/2005	738	Rad	Soil	1 Pint							
SS-FSS-17-004-00	5/4/2005	733	Rad	Soil	1 Pint							
SS-FSS-17-005-00	5/4/2005	846	Rad	Soil	1 Pint							
SS-FSS-17-006-00	5/4/2005	853	Rad	Soil	1 Pint							
SS-FSS-17-006-00-DUP	5/4/2005	853	Rad	Soil	1 Pint							
SS-FSS-17-007-00	5/4/2005	904	Rad	Soil	1 Pint							
SS-FSS-17-008-00	5/4/2005	858	Rad	Soil	1 Pint							
SS-FSS-17-009-00	5/4/2005	745	Rad	Soil	1 Pint							
SS-FSS-17-010-00	5/4/2005	752	Rad	Soil	1 Pint							
SS-FSS-17-011-00	5/4/2005	758	Rad	Soil	1 Pint							
SS-FSS-17-012-00	5/4/2005	822	Rad	Soil	1 Pint							
SS-FSS-17-013-00	5/4/2005	828	Rad	Soil	1 Pint							
SS-FSS-17-014-00	5/4/2005	834	Rad	Soil	1 Pint							

Relinquished By:	<i>Jeff Tweeddale</i>	Received By:		Type
Signed/Date/Time	<i>5/4/05 1600</i>	Signed/Date/Time		RS-Radioactive
Received By:	<i>STEVEN KAPLAN</i>	Relinquished By:		Chem-Chemical
Signed/Date/Time	<i>5/4/05 1600</i>	Signed/Date/Time		Mix-Rad+Chemical
Relinquished By:		Received By:		
Signed/Date/Time		Signed/Date/Time		

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

Site Location: CE Windsor
 Sample ID: SS-FSS-17-001-00
 Sample Title: SS-FSS-17-001-00
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 7.243E+002 grams
 Sample Taken On: 5/4/2005 7:13:00 AM
 Acquisition Started: 5/14/2005 1:52:44 PM
 Live Time: 600.0 seconds
 Real Time: 600.5 seconds
 Dead Time: 0.08 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide Activity MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	1.66E+001	1.76E+001	3.05E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	6.91E-002	1.86E-001	4.27E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	4.50E-002	1.01E-001	1.96E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	0.00E+000	0.00E+000	1.23E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	-1.35E-001	6.00E-001	9.42E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	-6.12E-002	2.04E-001	3.34E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	4.42E-001	4.30E-001	1.01E+000
CS-134	NOT FOUND/DATA	for	795.84 keV	1.00E-001	1.16E-001	3.60E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	3.17E-002	1.84E-001	2.98E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	1.36E-001	2.44E-001	5.10E-001
PB-212	1.23E+000	3.42E-001	5.46E-001	FOUND		
BI-214	NOT FOUND/DATA	for	609.31 keV	6.98E-001	5.08E-001	1.17E+000
PB-214	1.02E+000	6.00E-001	4.75E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	5.91E-001	2.83E+000	5.11E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	8.01E-001	8.01E-001	2.01E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	5.27E+001	7.65E+001	1.51E+002
PA-231	NOT FOUND/DATA	for	283.67 keV	7.97E-001	4.47E+000	9.30E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	4.56E-002	4.01E-001	7.72E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	7.42E-001	2.34E+001	5.51E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	5.26E-001	2.05E+000	3.96E+000
U-234	NOT FOUND/DATA	for	53.20 keV	2.34E+001	1.09E+003	2.00E+003
U-235	NOT FOUND/DATA	for	185.71 keV	7.88E-002	1.73E-001	3.22E-001
U-238	NOT FOUND/DATA	for	92.60 keV	5.26E-001	2.05E+000	3.96E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	-1.31E+000	1.40E+000	2.27E+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-17-002-02
 Sample Title: SS-FSS-17-002-02
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 7.172E+002 grams
 Sample Taken On: 5/4/2005 7:20:00 AM
 Acquisition Started: 5/14/2005 12:56:29 PM
 Live Time: 600.0 seconds
 Real Time: 600.5 seconds
 Dead Time: 0.08 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide Activity MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	NOT FOUND/DATA	for 1460.75 keV	1.60E+001	6.13E+000	1.48E+001	
MN-54	NOT FOUND/DATA	for 834.83 keV	6.98E-002	1.88E-001	4.31E-001	
CO-57	NOT FOUND/DATA	for 122.06 keV	2.01E-002	1.11E-001	2.05E-001	
CO-60	NOT FOUND/DATA	for 1173.24 keV	0.00E+000	1.42E-001	3.02E-001	
ZN-65	NOT FOUND/DATA	for 1115.55 keV	-7.42E-002	3.71E-001	7.35E-001	
AG-110m	NOT FOUND/DATA	for 657.76 keV	-6.99E-002	1.09E-001	1.90E-001	
SB-125	NOT FOUND/DATA	for 427.89 keV	-1.31E-001	4.13E-001	7.38E-001	
CS-134	NOT FOUND/DATA	for 604.70 keV	7.16E-002	9.92E-002	2.71E-001	
CS-137	NOT FOUND/DATA	for 661.66 keV	1.05E-001	1.71E-001	3.95E-001	
TL-208	NOT FOUND/DATA	for 583.19 keV	1.71E-001	3.03E-001	5.58E-001	
PB-212	5.02E-001	6.31E-001	5.15E-001	FOUND		
BI-214	NOT FOUND/DATA	for 609.31 keV	5.95E-001	3.89E-001	9.85E-001	
PB-214	6.95E-001	3.84E-001	7.19E-001	FOUND		
RA-226	NOT FOUND/DATA	for 186.10 keV	4.48E+000	3.07E+000	6.39E+000	
AC-228	NOT FOUND/DATA	for 338.32 keV	2.30E-001	1.10E+000	2.20E+000	
TH-230	NOT FOUND/DATA	for 67.67 keV	-2.69E+001	7.51E+001	1.35E+002	
PA-231	NOT FOUND/DATA	for 300.02 keV	5.88E-002	4.81E+000	9.14E+000	
PA-234	NOT FOUND/DATA	for 131.20 keV	-4.90E-001	4.94E-001	6.02E-001	
PA-234M	NOT FOUND/DATA	for 1001.03 keV	7.49E+000	3.50E+001	7.86E+001	
TH-234	NOT FOUND/DATA	for 92.60 keV	8.68E-001	2.03E+000	4.00E+000	
U-234	NOT FOUND/DATA	for 53.20 keV	4.16E+002	1.06E+003	1.99E+003	
U-235	NOT FOUND/DATA	for 185.71 keV	2.06E-001	1.89E-001	3.80E-001	
U-238	NOT FOUND/DATA	for 92.60 keV	8.68E-001	2.03E+000	4.00E+000	
AM-241	NOT FOUND/DATA	for 59.54 keV	5.25E-001	1.61E+000	3.12E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS-FSS-17-003-00
 Sample Title: SS-FSS-17-003-00
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 4.897E+002 grams
 Sample Taken On: 5/4/2005 7:38:00 AM
 Acquisition Started: 5/14/2005 1:07:16 PM
 Live Time: 600.0 seconds
 Real Time: 600.5 seconds
 Dead Time: 0.08 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	NOT FOUND/DATA	for 1460.75 keV	1.80E+001	7.87E+000	1.92E+001	
MN-54	NOT FOUND/DATA	for 834.83 keV	1.10E-001	3.01E-001	6.72E-001	
CO-57	NOT FOUND/DATA	for 122.06 keV	-1.14E-001	1.44E-001	2.34E-001	
CO-60	NOT FOUND/DATA	for 1332.50 keV	1.05E-001	2.42E-001	6.25E-001	
ZN-65	NOT FOUND/DATA	for 1115.55 keV	-1.01E-001	4.68E-001	8.53E-001	
AG-110m	NOT FOUND/DATA	for 937.49 keV	0.00E+000	0.00E+000	3.95E-001	
SB-125	NOT FOUND/DATA	for 427.89 keV	-1.02E-001	4.12E-001	7.12E-001	
CS-134	NOT FOUND/DATA	for 604.70 keV	7.26E-002	1.84E-001	4.33E-001	
CS-137	NOT FOUND/DATA	for 661.66 keV	1.38E+000	5.22E-001	1.27E+000	
TL-208	NOT FOUND/DATA	for 583.19 keV	2.34E-001	3.03E-001	6.85E-001	
PB-212	5.25E-001	3.11E-001	5.76E-001	FOUND		
BI-214	NOT FOUND/DATA	for 609.31 keV	8.09E-001	6.19E-001	1.49E+000	
PB-214	NOT FOUND/DATA	for 351.92 keV	5.49E-001	5.27E-001	1.17E+000	
RA-226	NOT FOUND/DATA	for 186.10 keV	3.99E+000	3.90E+000	7.96E+000	
AC-228	NOT FOUND/DATA	for 911.21 keV	5.36E-001	1.15E+000	2.68E+000	
TH-230	NOT FOUND/DATA	for 67.67 keV	1.33E+002	1.02E+002	2.23E+002	
PA-231	NOT FOUND/DATA	for 300.02 keV	-1.08E+000	6.59E+000	1.13E+001	
PA-234	NOT FOUND/DATA	for 131.20 keV	-2.21E-001	5.35E-001	8.82E-001	
PA-234M	NOT FOUND/DATA	for 1001.03 keV	3.62E+001	5.17E+001	1.24E+002	
TH-234	NOT FOUND/DATA	for 92.60 keV	7.10E-001	2.80E+000	5.47E+000	
U-234	NOT FOUND/DATA	for 53.20 keV	7.00E+002	1.45E+003	2.87E+003	
U-235	NOT FOUND/DATA	for 185.71 keV	2.31E-001	2.44E-001	4.92E-001	
U-238	NOT FOUND/DATA	for 92.60 keV	7.10E-001	2.80E+000	5.47E+000	
AM-241	NOT FOUND/DATA	for 59.54 keV	-3.76E-002	1.86E+000	3.56E+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-17-004-00
 Sample Title: SS-FSS-17-004-00
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 7.330E+002 grams
 Sample Taken On: 5/4/2005 7:33:00 AM
 Acquisition Started: 5/14/2005 11:14:22 AM
 Live Time: 600.0 seconds
 Real Time: 600.1 seconds
 Dead Time: 0.02 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	1.30E+001	5.23E+000	4.75E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	-1.11E-001	1.93E-001	2.77E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	1.30E-002	8.68E-002	1.69E-001
CO-60	NOT FOUND/DATA	for	1173.24 keV	0.00E+000	0.00E+000	1.09E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	0.00E+000	0.00E+000	2.10E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	8.90E-002	1.90E-001	3.78E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	-5.38E-001	5.91E-001	7.22E-001
CS-134	NOT FOUND/DATA	for	795.84 keV	-1.32E-001	1.90E-001	2.43E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	1.95E-001	2.02E-001	4.77E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	1.70E-001	2.39E-001	5.04E-001
PB-212	8.68E-001	3.04E-001	4.56E-001	FOUND		
BI-214	NOT FOUND/DATA	for	609.31 keV	7.01E-001	4.63E-001	1.10E+000
PB-214	NOT FOUND/DATA	for	351.92 keV	5.97E-001	3.63E-001	8.53E-001
RA-226	NOT FOUND/DATA	for	186.10 keV	-3.89E-002	2.79E+000	4.96E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	6.86E-001	8.19E-001	1.99E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	7.08E+000	7.25E+001	1.37E+002
PA-231	NOT FOUND/DATA	for	300.02 keV	1.73E+000	3.16E+000	6.85E+000
PA-234	NOT FOUND/DATA	for	926.00 keV	0.00E+000	0.00E+000	7.92E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	-5.13E+000	2.37E+001	4.32E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	2.41E+000	1.90E+000	4.10E+000
U-234	NOT FOUND/DATA	for	53.20 keV	-2.39E+002	9.80E+002	1.56E+003
U-235	NOT FOUND/DATA	for	185.71 keV	3.49E-002	1.64E-001	3.02E-001
U-238	NOT FOUND/DATA	for	92.60 keV	2.41E+000	1.90E+000	4.10E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	-1.34E-001	1.25E+000	2.32E+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-17-005-00
 Sample Title: SS-FSS-17-005-00
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.632E+002 grams
 Sample Taken On: 5/4/2005 8:46:00 AM
 Acquisition Started: 5/14/2005 1:29:07 PM
 Live Time: 600.0 seconds
 Real Time: 600.6 seconds
 Dead Time: 0.10 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	1.28E+001	2.56E+001	4.85E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	8.11E-002	2.37E-001	5.10E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	-4.90E-002	1.23E-001	2.19E-001
CO-60	NOT FOUND/DATA	for	1173.24 keV	-1.83E-001	2.51E-001	3.84E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	0.00E+000	0.00E+000	2.73E-001
AG-110m	NOT FOUND/DATA	for	1384.30 keV	0.00E+000	0.00E+000	6.91E-001
SB-125	NOT FOUND/DATA	for	600.56 keV	1.12E-001	3.43E-001	1.15E+000
CS-134	NOT FOUND/DATA	for	604.70 keV	-1.64E-002	1.58E-001	3.09E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	2.19E-001	3.04E-001	6.71E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	2.83E-001	2.49E-001	5.96E-001
PB-212	NOT FOUND/DATA	for	238.63 keV	7.70E-001	4.23E-001	8.99E-001
BI-214	1.11E+000	5.92E-001	7.03E-001	FOUND		
PB-214	NOT FOUND/DATA	for	351.92 keV	4.52E-001	4.71E-001	1.02E+000
RA-226	NOT FOUND/DATA	for	186.10 keV	1.38E+000	3.36E+000	6.21E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	-1.55E-001	9.76E-001	1.86E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	5.41E+001	8.12E+001	1.68E+002
PA-231	NOT FOUND/DATA	for	300.02 keV	7.49E-001	4.65E+000	9.36E+000
PA-234	NOT FOUND/DATA	for	883.24 keV	0.00E+000	0.00E+000	7.23E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	-4.77E+000	3.42E+001	7.09E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	-1.98E-001	2.44E+000	4.38E+000
U-234	NOT FOUND/DATA	for	53.20 keV	-1.18E+003	1.22E+003	1.92E+003
U-235	NOT FOUND/DATA	for	185.71 keV	4.79E-002	2.04E-001	3.78E-001
U-238	NOT FOUND/DATA	for	92.60 keV	-1.98E-001	2.44E+000	4.38E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	-6.54E-001	1.91E+000	3.42E+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-17-006-00
 Sample Title: SS-FSS-17-006-00
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.447E+002 grams
 Sample Taken On: 5/4/2005 8:53:00 AM
 Acquisition Started: 5/14/2005 1:17:48 PM
 Live Time: 600.0 seconds
 Real Time: 600.5 seconds
 Dead Time: 0.08 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	NOT FOUND/DATA	for 1460.75 keV	1.50E+001	6.42E+000	1.62E+001	
MN-54	NOT FOUND/DATA	for 834.83 keV	6.89E-002	1.76E-001	4.33E-001	
CO-57	NOT FOUND/DATA	for 122.06 keV	-8.36E-002	1.22E-001	2.05E-001	
CO-60	NOT FOUND/DATA	for 1173.24 keV	-1.48E-001	4.82E-001	3.97E-001	
ZN-65	NOT FOUND/DATA	for 1115.55 keV	-9.12E-002	3.84E-001	7.67E-001	
AG-110m	NOT FOUND/DATA	for 657.76 keV	-1.62E-001	2.66E-001	4.07E-001	
SB-125	NOT FOUND/DATA	for 427.89 keV	3.06E-001	5.25E-001	1.15E+000	
CS-134	NOT FOUND/DATA	for 795.84 keV	0.00E+000	0.00E+000	1.20E-001	
CS-137	NOT FOUND/DATA	for 661.66 keV	4.91E-001	2.82E-001	7.41E-001	
TL-208	NOT FOUND/DATA	for 583.19 keV	9.76E-002	2.43E-001	5.19E-001	
PB-212	NOT FOUND/DATA	for 238.63 keV	6.23E-001	3.68E-001	8.05E-001	
BI-214	NOT FOUND/DATA	for 609.31 keV	4.42E-001	4.71E-001	1.12E+000	
PB-214	NOT FOUND/DATA	for 351.92 keV	3.38E-001	5.32E-001	1.08E+000	
RA-226	NOT FOUND/DATA	for 186.10 keV	4.71E-001	2.94E+000	5.43E+000	
AC-228	NOT FOUND/DATA	for 911.21 keV	5.42E-001	8.08E-001	2.10E+000	
TH-230	NOT FOUND/DATA	for 67.67 keV	2.46E+001	9.66E+001	1.88E+002	
PA-231	NOT FOUND/DATA	for 300.02 keV	-7.99E-001	4.86E+000	9.22E+000	
PA-234	NOT FOUND/DATA	for 927.10 keV	0.00E+000	0.00E+000	1.07E+000	
PA-234M	NOT FOUND/DATA	for 1001.03 keV	0.00E+000	0.00E+000	2.14E+001	
TH-234	NOT FOUND/DATA	for 92.60 keV	3.84E-001	2.56E+000	4.82E+000	
U-234	NOT FOUND/DATA	for 53.20 keV	6.20E+001	1.35E+003	2.54E+003	
U-235	NOT FOUND/DATA	for 185.71 keV	3.96E-002	1.80E-001	3.39E-001	
U-238	NOT FOUND/DATA	for 92.60 keV	3.84E-001	2.56E+000	4.82E+000	
AM-241	NOT FOUND/DATA	for 59.54 keV	-1.01E+000	1.73E+000	3.02E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS-FSS-17-007-00
 Sample Title: SS-FSS-17-007-00
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.530E+002 grams
 Sample Taken On: 5/4/2005 9:04:00 AM
 Acquisition Started: 5/14/2005 11:27:56 AM
 Live Time: 600.0 seconds
 Real Time: 600.5 seconds
 Dead Time: 0.09 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	NOT FOUND/DATA	for	1460.75 keV	1.27E+001	5.82E+000	1.48E+001
MN-54	NOT FOUND/DATA	for	834.83 keV	0.00E+000	2.40E-001	4.76E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	2.79E-002	1.11E-001	2.18E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	0.00E+000	0.00E+000	1.61E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	-4.75E-001	6.82E-001	9.53E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	-1.19E-001	1.63E-001	2.46E-001
SB-125	NOT FOUND/DATA	for	600.56 keV	0.00E+000	0.00E+000	4.30E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	4.03E-002	1.33E-001	3.15E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	3.68E-001	2.69E-001	6.83E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	2.43E-001	2.28E-001	5.61E-001
PB-212	7.03E-001	3.45E-001	6.46E-001	FOUND		
BI-214	8.90E-001	5.88E-001	9.69E-001	FOUND		
PB-214	1.08E+000	2.15E+000	6.59E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	-1.07E+000	3.93E+000	6.70E+000
AC-228	NOT FOUND/DATA	for	338.32 keV	7.09E-001	1.36E+000	2.85E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-1.61E+001	8.86E+001	1.60E+002
PA-231	NOT FOUND/DATA	for	302.65 keV	-9.24E+000	1.45E+001	6.37E+000
PA-234	NOT FOUND/DATA	for	131.20 keV	-3.05E-001	4.69E-001	6.68E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	2.33E+001	4.34E+001	1.02E+002
TH-234	NOT FOUND/DATA	for	92.60 keV	2.00E+000	2.86E+000	5.67E+000
U-234	NOT FOUND/DATA	for	53.20 keV	4.45E+002	1.06E+003	2.12E+003
U-235	NOT FOUND/DATA	for	185.71 keV	-6.60E-002	2.39E-001	4.07E-001
U-238	NOT FOUND/DATA	for	92.60 keV	2.00E+000	2.86E+000	5.67E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	1.64E-001	1.68E+000	3.24E+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-17-008-00
 Sample Title: SS-FSS-17-008-00
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.373E+002 grams
 Sample Taken On: 5/4/2005 8:58:00 AM
 Acquisition Started: 5/14/2005 11:41:34 AM
 Live Time: 600.0 seconds
 Real Time: 600.5 seconds
 Dead Time: 0.09 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	NOT FOUND/DATA	for 1460.75 keV	1.52E+001	6.98E+000	1.69E+001	
MN-54	NOT FOUND/DATA	for 834.83 keV	-2.33E-002	3.31E-001	4.39E-001	
CO-57	NOT FOUND/DATA	for 122.06 keV	5.42E-003	1.15E-001	2.19E-001	
CO-60	NOT FOUND/DATA	for 1173.24 keV	1.09E-001	1.55E-001	5.08E-001	
ZN-65	NOT FOUND/DATA	for 1115.55 keV	3.83E-001	5.57E-001	1.38E+000	
AG-110m	NOT FOUND/DATA	for 1384.30 keV	0.00E+000	0.00E+000	7.24E-001	
SB-125	NOT FOUND/DATA	for 427.89 keV	-1.09E-001	5.44E-001	9.85E-001	
CS-134	NOT FOUND/DATA	for 604.70 keV	-1.93E-001	3.22E-001	2.21E-001	
CS-137	NOT FOUND/DATA	for 661.66 keV	1.79E-001	3.59E-001	7.28E-001	
TL-208	NOT FOUND/DATA	for 583.19 keV	2.38E-001	3.08E-001	6.67E-001	
PB-212	NOT FOUND/DATA	for 238.63 keV	7.65E-001	4.04E-001	8.82E-001	
BI-214	1.03E+000	5.92E-001	8.93E-001	FOUND		
PB-214	NOT FOUND/DATA	for 351.92 keV	7.42E-001	4.96E-001	1.14E+000	
RA-226	NOT FOUND/DATA	for 186.10 keV	3.93E+000	3.65E+000	7.48E+000	
AC-228	NOT FOUND/DATA	for 338.32 keV	6.62E-001	1.16E+000	2.57E+000	
TH-230	NOT FOUND/DATA	for 67.67 keV	2.11E+001	1.00E+002	1.90E+002	
PA-231	NOT FOUND/DATA	for 300.02 keV	1.99E+000	4.64E+000	9.34E+000	
PA-234	NOT FOUND/DATA	for 131.20 keV	-2.34E-001	5.15E-001	8.55E-001	
PA-234M	NOT FOUND/DATA	for 1001.03 keV	0.00E+000	0.00E+000	2.16E+001	
TH-234	NOT FOUND/DATA	for 92.60 keV	9.79E-001	2.72E+000	5.25E+000	
U-234	NOT FOUND/DATA	for 53.20 keV	-1.26E+003	1.26E+003	1.96E+003	
U-235	NOT FOUND/DATA	for 185.71 keV	2.34E-001	2.18E-001	4.48E-001	
U-238	NOT FOUND/DATA	for 92.60 keV	9.79E-001	2.72E+000	5.25E+000	
AM-241	NOT FOUND/DATA	for 59.54 keV	-1.04E+000	2.11E+000	3.74E+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-17-009-00
 Sample Title: SS-FSS-17-009-00
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 4.915E+002 grams
 Sample Taken On: 5/4/2005 7:45:00 AM
 Acquisition Started: 5/14/2005 12:44:51 PM
 Live Time: 600.0 seconds
 Real Time: 600.5 seconds
 Dead Time: 0.09 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	NOT FOUND/DATA	for 1460.75 keV	2.17E+001	7.74E+000	1.97E+001	
MN-54	NOT FOUND/DATA	for 834.83 keV	-1.91E-001	2.97E-001	3.28E-001	
CO-57	NOT FOUND/DATA	for 122.06 keV	-5.40E-003	1.20E-001	2.27E-001	
CO-60	NOT FOUND/DATA	for 1332.50 keV	1.34E-001	1.90E-001	6.22E-001	
ZN-65	NOT FOUND/DATA	for 1115.55 keV	-1.44E-002	6.13E-001	1.24E+000	
AG-110m	NOT FOUND/DATA	for 1384.30 keV	0.00E+000	0.00E+000	7.92E-001	
SB-125	NOT FOUND/DATA	for 427.89 keV	-1.15E-001	4.63E-001	9.17E-001	
CS-134	NOT FOUND/DATA	for 604.70 keV	3.41E-002	1.78E-001	3.95E-001	
CS-137	NOT FOUND/DATA	for 661.66 keV	6.36E-001	4.03E-001	9.60E-001	
TL-208	NOT FOUND/DATA	for 860.56 keV	0.00E+000	0.00E+000	9.76E-001	
PB-212	NOT FOUND/DATA	for 238.63 keV	7.18E-001	4.05E-001	8.92E-001	
BI-214	NOT FOUND/DATA	for 609.31 keV	1.02E+000	6.64E-001	1.60E+000	
PB-214	NOT FOUND/DATA	for 351.92 keV	5.30E-001	5.55E-001	1.20E+000	
RA-226	NOT FOUND/DATA	for 186.10 keV	3.05E+000	3.66E+000	7.40E+000	
AC-228	NOT FOUND/DATA	for 911.21 keV	5.58E-001	1.41E+000	2.96E+000	
TH-230	NOT FOUND/DATA	for 67.67 keV	-1.11E+002	1.01E+002	1.51E+002	
PA-231	NOT FOUND/DATA	for 300.02 keV	3.07E+000	6.28E+000	1.30E+001	
PA-234	NOT FOUND/DATA	for 98.44 keV	1.18E-001	4.88E-001	9.82E-001	
PA-234M	NOT FOUND/DATA	for 1001.03 keV	0.00E+000	0.00E+000	2.37E+001	
TH-234	NOT FOUND/DATA	for 92.60 keV	2.22E+000	2.59E+000	5.45E+000	
U-234	NOT FOUND/DATA	for 53.20 keV	1.15E+003	1.41E+003	2.86E+003	
U-235	NOT FOUND/DATA	for 185.71 keV	-4.59E-002	2.26E-001	3.96E-001	
U-238	NOT FOUND/DATA	for 92.60 keV	2.22E+000	2.59E+000	5.45E+000	
AM-241	NOT FOUND/DATA	for 59.54 keV	-4.33E-001	2.09E+000	3.83E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS-FSS-17-010-00
 Sample Title: SS-FSS-17-010-00
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.870E+002 grams
 Sample Taken On: 5/4/2005 7:52:00 AM
 Acquisition Started: 5/14/2005 11:52:11 AM
 Live Time: 600.0 seconds
 Real Time: 600.4 seconds
 Dead Time: 0.06 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	NOT FOUND/DATA	for 1460.75 keV		1.72E+001	6.42E+000	1.62E+001
MN-54	NOT FOUND/DATA	for 834.83 keV		-1.20E-002	2.15E-001	4.48E-001
CO-57	NOT FOUND/DATA	for 122.06 keV		-6.85E-002	1.14E-001	1.90E-001
CO-60	NOT FOUND/DATA	for 1173.24 keV		-2.50E-002	2.11E-001	3.69E-001
ZN-65	NOT FOUND/DATA	for 1115.55 keV		4.84E-002	5.54E-001	1.04E+000
AG-110m	NOT FOUND/DATA	for 1384.30 keV		0.00E+000	0.00E+000	6.63E-001
SB-125	NOT FOUND/DATA	for 427.89 keV		3.27E-001	3.37E-001	9.02E-001
CS-134	NOT FOUND/DATA	for 604.70 keV		5.24E-003	1.34E-001	2.96E-001
CS-137	NOT FOUND/DATA	for 661.66 keV		2.53E-001	2.77E-001	6.44E-001
TL-208	NOT FOUND/DATA	for 583.19 keV		2.94E-001	2.85E-001	6.47E-001
PB-212	NOT FOUND/DATA	for 238.63 keV		8.01E-001	4.05E-001	8.71E-001
BI-214	8.10E-001	4.96E-001	5.99E-001	FOUND		
PB-214	1.11E+000	1.62E+000	5.60E-001	FOUND		
RA-226	NOT FOUND/DATA	for 186.10 keV		2.80E+000	2.78E+000	5.84E+000
AC-228	NOT FOUND/DATA	for 911.21 keV		1.49E+000	9.47E-001	2.59E+000
TH-230	NOT FOUND/DATA	for 67.67 keV		-5.65E-001	8.20E+001	1.54E+002
PA-231	NOT FOUND/DATA	for 300.02 keV		2.11E+000	5.33E+000	1.08E+001
PA-234	NOT FOUND/DATA	for 98.44 keV		-2.20E-001	4.66E-001	8.22E-001
PA-234M	NOT FOUND/DATA	for 1001.03 keV		-1.83E+000	3.48E+001	6.80E+001
TH-234	NOT FOUND/DATA	for 92.60 keV		-3.16E-001	2.39E+000	4.39E+000
U-234	NOT FOUND/DATA	for 53.20 keV		7.08E+002	1.29E+003	2.51E+003
U-235	NOT FOUND/DATA	for 185.71 keV		2.75E-001	1.63E-001	3.77E-001
U-238	NOT FOUND/DATA	for 92.60 keV		-3.16E-001	2.39E+000	4.39E+000
AM-241	NOT FOUND/DATA	for 59.54 keV		1.70E+000	1.62E+000	3.49E+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-17-011-00
 Sample Title: SS-FSS-17-011-00
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.309E+002 grams
 Sample Taken On: 5/4/2005 7:58:00 AM
 Acquisition Started: 5/14/2005 2:26:51 PM
 Live Time: 600.0 seconds
 Real Time: 600.7 seconds
 Dead Time: 0.12 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	NOT FOUND/DATA	for	1460.75 keV	1.82E+001	7.04E+000	1.77E+001
MN-54	NOT FOUND/DATA	for	834.83 keV	1.65E-001	1.65E-001	4.96E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	-1.01E-002	9.94E-002	1.91E-001
CO-60	NOT FOUND/DATA	for	1173.24 keV	-4.85E-002	2.83E-001	5.14E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	0.00E+000	0.00E+000	2.89E-001
AG-110m	NOT FOUND/DATA	for	937.49 keV	0.00E+000	0.00E+000	3.64E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	9.43E-002	4.09E-001	9.27E-001
CS-134	NOT FOUND/DATA	for	795.84 keV	-7.82E-002	2.19E-001	4.24E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	4.40E-001	2.87E-001	7.37E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	2.82E-001	2.80E-001	6.54E-001
PB-212	NOT FOUND/DATA	for	238.63 keV	9.77E-001	4.13E-001	9.28E-001
BI-214	NOT FOUND/DATA	for	609.31 keV	5.44E-001	4.90E-001	1.20E+000
PB-214	NOT FOUND/DATA	for	351.92 keV	7.04E-001	5.04E-001	1.15E+000
RA-226	NOT FOUND/DATA	for	186.10 keV	-1.96E+000	3.90E+000	6.46E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	3.04E-001	8.97E-001	1.98E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-2.56E+001	9.34E+001	1.71E+002
PA-231	NOT FOUND/DATA	for	300.02 keV	1.42E-002	4.90E+000	8.95E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	-4.21E-002	4.80E-001	9.09E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	2.43E+001	2.81E+001	8.72E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	1.37E+000	2.63E+000	5.23E+000
U-234	NOT FOUND/DATA	for	53.20 keV	-2.17E+002	1.31E+003	2.32E+003
U-235	NOT FOUND/DATA	for	185.71 keV	1.78E-002	2.31E-001	4.17E-001
U-238	NOT FOUND/DATA	for	92.60 keV	1.37E+000	2.63E+000	5.23E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	1.15E+000	2.01E+000	4.01E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS-FSS-17-012-00
 Sample Title: SS-FSS-17-012-00
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.254E+002 grams
 Sample Taken On: 5/4/2005 8:22:00 AM
 Acquisition Started: 5/14/2005 2:16:15 PM
 Live Time: 600.0 seconds
 Real Time: 600.6 seconds
 Dead Time: 0.11 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	1.32E+001	1.17E+001	6.57E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	2.98E-002	1.60E-001	3.87E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	-6.43E-003	1.31E-001	2.46E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	6.27E-002	1.25E-001	4.61E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	-3.24E-001	1.06E+000	1.16E+000
AG-110m	NOT FOUND/DATA	for	763.94 keV	0.00E+000	0.00E+000	4.68E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	2.75E-001	5.11E-001	1.13E+000
CS-134	NOT FOUND/DATA	for	795.84 keV	-1.05E-001	3.67E-001	4.28E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	5.95E-001	3.61E-001	8.78E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	3.16E-001	3.24E-001	7.23E-001
PB-212	8.98E-001	3.77E-001	5.62E-001	FOUND		
BI-214	NOT FOUND/DATA	for	609.31 keV	6.88E-001	5.62E-001	1.34E+000
PB-214	NOT FOUND/DATA	for	351.92 keV	9.34E-001	5.26E-001	1.23E+000
RA-226	NOT FOUND/DATA	for	186.10 keV	1.53E+000	3.28E+000	6.38E+000
AC-228	NOT FOUND/DATA	for	338.32 keV	4.51E-001	9.68E-001	2.17E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	7.59E+000	8.50E+001	1.64E+002
PA-231	NOT FOUND/DATA	for	300.02 keV	4.79E+000	6.60E+000	1.35E+001
PA-234	NOT FOUND/DATA	for	98.44 keV	-1.97E-001	5.12E-001	9.19E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	2.05E+000	4.49E+001	9.83E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	2.11E+000	2.55E+000	5.28E+000
U-234	NOT FOUND/DATA	for	53.20 keV	5.93E+002	1.15E+003	2.34E+003
U-235	NOT FOUND/DATA	for	185.71 keV	-1.20E-002	2.01E-001	3.61E-001
U-238	NOT FOUND/DATA	for	92.60 keV	2.11E+000	2.54E+000	5.28E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	3.13E-001	2.05E+000	3.82E+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-17-013-00
 Sample Title: SS-FSS-17-013-00
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.664E+002 grams
 Sample Taken On: 5/4/2005 8:28:00 AM
 Acquisition Started: 5/14/2005 12:31:16 PM
 Live Time: 600.0 seconds
 Real Time: 600.7 seconds
 Dead Time: 0.11 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	NOT FOUND/DATA	for	1460.75 keV	1.27E+001	6.06E+000	1.50E+001
MN-54	NOT FOUND/DATA	for	834.83 keV	5.52E-002	2.34E-001	4.16E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	-9.33E-002	1.13E-001	1.85E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	8.00E-002	2.07E-001	5.40E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	2.98E-001	4.63E-001	1.20E+000
AG-110m	NOT FOUND/DATA	for	657.76 keV	-1.79E-001	2.92E-001	3.51E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	1.77E-001	5.45E-001	1.15E+000
CS-134	NOT FOUND/DATA	for	604.70 keV	6.11E-002	1.37E-001	3.43E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	1.87E-001	2.55E-001	5.91E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	3.55E-001	2.71E-001	6.52E-001
PB-212	NOT FOUND/DATA	for	238.63 keV	6.27E-001	4.15E-001	8.62E-001
BI-214	NOT FOUND/DATA	for	1764.49 keV	0.00E+000	0.00E+000	1.32E+000
PB-214	NOT FOUND/DATA	for	351.92 keV	6.87E-001	4.68E-001	1.08E+000
RA-226	NOT FOUND/DATA	for	186.10 keV	6.73E-001	3.08E+000	5.79E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	8.30E-001	8.97E-001	2.32E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-4.71E+001	9.50E+001	1.60E+002
PA-231	NOT FOUND/DATA	for	283.67 keV	-4.29E-001	6.42E+000	1.26E+001
PA-234	NOT FOUND/DATA	for	926.00 keV	0.00E+000	0.00E+000	1.02E+000
PA-234M	NOT FOUND/DATA	for	1001.03 keV	-3.32E+000	4.58E+001	7.05E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	8.64E-001	2.64E+000	5.07E+000
U-234	NOT FOUND/DATA	for	53.20 keV	-2.79E+002	1.26E+003	2.26E+003
U-235	NOT FOUND/DATA	for	185.71 keV	6.28E-002	1.92E-001	3.60E-001
U-238	NOT FOUND/DATA	for	92.60 keV	8.64E-001	2.64E+000	5.07E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	-1.10E+000	2.22E+000	3.82E+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-17-014-00
 Sample Title: SS-FSS-17-014-00
 Detector Name: 11%
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.840E+002 grams
 Sample Taken On: 5/4/2005 8:34:00 AM
 Acquisition Started: 5/14/2005 2:05:44 PM
 Live Time: 600.0 seconds
 Real Time: 600.6 seconds
 Dead Time: 0.10 %
 Efficiency ID: pint

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	NOT FOUND/DATA	for	1460.75 keV	1.78E+001	6.95E+000	1.70E+001
MN-54	NOT FOUND/DATA	for	834.83 keV	5.22E-002	1.91E-001	4.51E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	-1.06E-001	1.02E-001	1.53E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	4.94E-002	2.28E-001	4.15E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	2.97E-001	5.38E-001	1.27E+000
AG-110m	NOT FOUND/DATA	for	763.94 keV	0.00E+000	0.00E+000	4.21E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	-3.00E-001	3.96E-001	4.73E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	3.11E-002	2.51E-001	4.15E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	5.21E-001	3.00E-001	7.52E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	4.58E-001	2.37E-001	6.32E-001
PB-212	4.17E-001	2.54E-001	6.02E-001	FOUND		
BI-214	NOT FOUND/DATA	for	609.31 keV	1.16E+000	6.46E-001	1.53E+000
PB-214	NOT FOUND/DATA	for	351.92 keV	9.26E-001	5.00E-001	1.17E+000
RA-226	NOT FOUND/DATA	for	186.10 keV	3.73E+000	3.30E+000	6.78E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	1.10E+000	9.71E-001	2.49E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-1.01E+001	8.27E+001	1.51E+002
PA-231	NOT FOUND/DATA	for	300.02 keV	1.66E+000	5.28E+000	1.02E+001
PA-234	NOT FOUND/DATA	for	131.20 keV	-2.12E-001	4.84E-001	8.31E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	-3.99E+000	6.05E+001	7.92E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	1.31E+000	2.46E+000	4.91E+000
U-234	NOT FOUND/DATA	for	53.20 keV	7.00E+001	1.17E+003	2.20E+003
U-235	NOT FOUND/DATA	for	185.71 keV	1.42E-001	1.97E-001	3.92E-001
U-238	NOT FOUND/DATA	for	92.60 keV	1.31E+000	2.46E+000	4.91E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	-8.53E-001	1.81E+000	3.22E+000

Uncertainty reported at 2.0 sigma