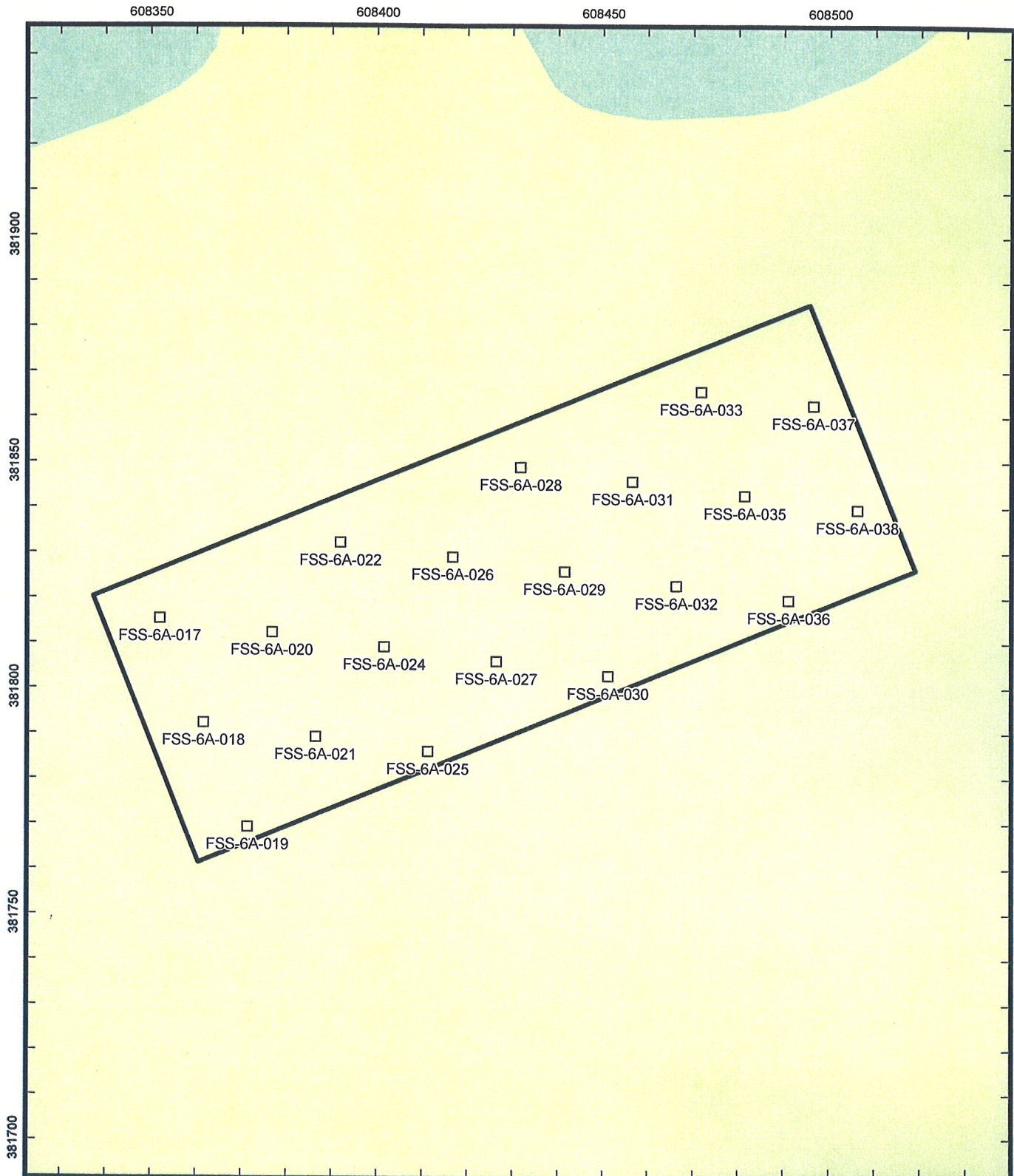


APPENDIX H
SURVEY UNIT CE-FSS-06-02
RESULTS AND DATA EVALUATION



Document: P:\Project\abbwin\GIS-Av8\MapDocuments\FSS\B6A_Complex_FSS_8x11P.mxd PDF: P:\Project\abbwin\GIS-Av8\Figures\FSS\B6A_Complex\B6A_D6_02_Locations.pdf 03/03/2006 4:17 PM brpeters

CT State Plane NAD 27 Feet:

Legend

 Soil Sample Location	 Forest
 Survey Unit	 Open
	 Water
	 Road

Sample Locations
Building 6A Complex
Survey Unit CE-FSS-06-02

Final Status Survey
CE Windsor Site
Windsor, Connecticut

MACTEC

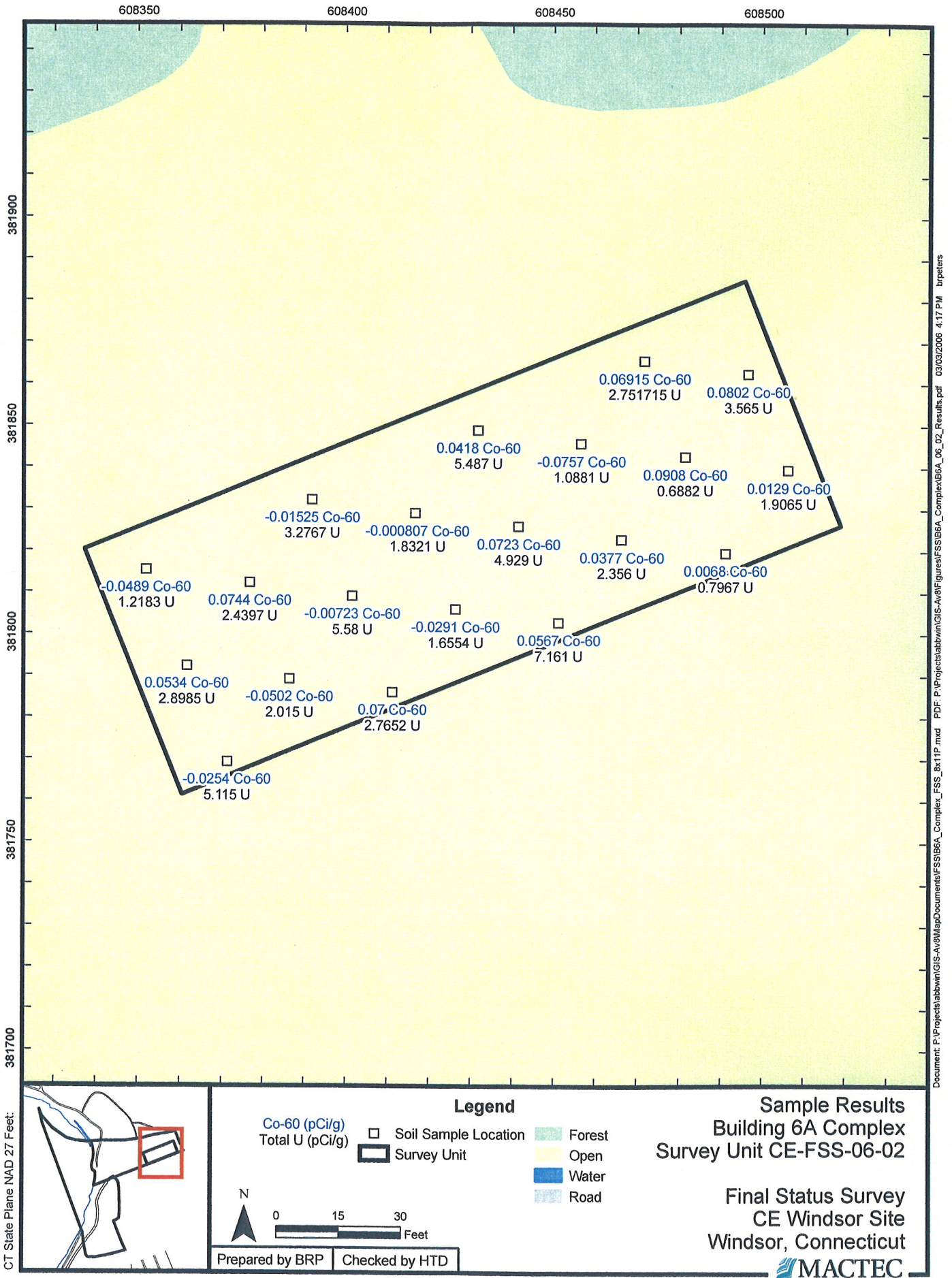
N

0 15 30

Feet

Prepared by BRP

Checked by HTD



-0.0489 Co-60
1.2183 U

0.0534 Co-60
2.8985 U

-0.0254 Co-60
5.115 U

0.0744 Co-60
2.4397 U

-0.0502 Co-60
2.015 U

-0.00723 Co-60
5.58 U

-0.01525 Co-60
3.2767 U

-0.000807 Co-60
1.8321 U

0.0723 Co-60
4.929 U

-0.0291 Co-60
1.6554 U

0.07 Co-60
2.7652 U

0.0418 Co-60
5.487 U

-0.0757 Co-60
1.0881 U

0.0377 Co-60
2.356 U

0.0567 Co-60
7.161 U

0.06915 Co-60
2.751715 U

-0.0757 Co-60
1.0881 U

0.0908 Co-60
0.6882 U

0.0068 Co-60
0.7967 U

0.0802 Co-60
3.565 U

0.0129 Co-60
1.9065 U

Survey Unit CE-FSS-06-02

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-6A-017	-4.89E-02	9.21E-02	1.44E-01	U	3.93E-02	1.39E-01	2.54E-01	U	1.2	-0.008
SS-FSS-6A-018	5.34E-02	9.13E-02	2.19E-01	U	9.35E-02	1.36E-01	2.58E-01	U	2.9	0.016
SS-FSS-6A-019	-2.54E-02	1.17E-01	2.17E-01	U	1.65E-01	1.34E-01	2.60E-01	U	5.1	0.004
SS-FSS-6A-020	7.44E-02	9.03E-02	2.16E-01	U	7.87E-02	1.37E-01	2.57E-01	U	2.4	0.019
SS-FSS-6A-021	-5.02E-02	1.12E-01	2.05E-01	U	6.50E-02	1.43E-01	2.65E-01	U	2.0	-0.006
SS-FSS-6A-022	-4.75E-02	9.34E-02	1.63E-01	U	1.54E-02	1.41E-01	2.56E-01	U	0.5	-0.009
SS-FSS-6A-022-D (SS-FSS-6A-023)	1.70E-02	9.42E-02	2.03E-01	U	1.96E-01	1.25E-01	2.49E-01	U	6.1	0.014
SS-FSS-6A-022-A	-1.53E-02				1.06E-01				3.3	0.003
SS-FSS-6A-024	-7.23E-03	1.07E-01	2.07E-01	U	1.80E-01	1.38E-01	2.68E-01	U	5.6	0.009
SS-FSS-6A-025	7.00E-02	1.04E-01	2.43E-01	U	8.92E-02	1.39E-01	2.62E-01	U	2.8	0.019
SS-FSS-6A-026	-8.07E-04	1.16E-01	2.25E-01	U	5.91E-02	1.31E-01	2.44E-01	U	1.8	0.003
SS-FSS-6A-027	-2.91E-02	1.34E-01	2.48E-01	U	5.34E-02	1.39E-01	2.59E-01	U	1.7	-0.003
SS-FSS-6A-028	4.18E-02	1.01E-01	2.25E-01	U	1.77E-01	1.44E-01	2.79E-01	U	5.5	0.018
SS-FSS-6A-029	7.23E-02	8.28E-02	2.07E-01	U	1.59E-01	1.39E-01	2.66E-01	U	4.9	0.023
SS-FSS-6A-030	5.67E-02	1.35E-01	2.87E-01	U	2.31E-01	1.61E-01	3.12E-01	U	7.2	0.024
SS-FSS-6A-031	-7.57E-02	8.99E-02	1.53E-01	U	3.51E-02	1.47E-01	2.65E-01	U	1.1	-0.013
SS-FSS-6A-032	3.77E-02	8.16E-02	1.90E-01	U	7.60E-02	1.33E-01	2.47E-01	U	2.4	0.012
SS-FSS-6A-033	8.44E-02	1.03E-01	2.40E-01	U	-4.47E-03	1.43E-01	2.56E-01	U	-0.1	0.017
SS-FSS-6A-033-D (SS-FSS-6A-034)	5.39E-02	9.49E-02	2.22E-01	U	1.82E-01	1.39E-01	2.72E-01	U	5.6	0.021
SS-FSS-6A-033-A	6.92E-02				8.88E-02				2.8	0.019
SS-FSS-6A-035	9.08E-02	1.06E-01	2.46E-01	U	2.22E-02	1.31E-01	2.37E-01	U	0.7	0.019
SS-FSS-6A-036	6.80E-03	1.12E-01	2.13E-01	U	2.57E-02	1.18E-01	2.17E-01	U	0.8	0.003
SS-FSS-6A-037	8.02E-02	8.26E-02	2.06E-01	U	1.15E-01	3.23E-02	2.22E-01	U	3.6	0.022
SS-FSS-6A-038	1.29E-02	9.50E-02	1.96E-01	U	6.15E-02	1.21E-01	2.24E-01	U	1.9	0.006

Survey Unit CE-FSS-06-02

One-Minute Static Field Measurement Results

Sample ID	Static Count Rate (cpm)	Ambient Background (cpm)	Net (cpm)	pCi/g
SS-FSS-6A-017	3095	2725	370	1.2
SS-FSS-6A-018	3082	2725	357	1.2
SS-FSS-6A-019	2972	2725	247	0.8
SS-FSS-6A-020	2944	2725	219	0.7
SS-FSS-6A-021	2936	2725	211	0.7
SS-FSS-6A-022	3062	2725	337	1.1
SS-FSS-6A-024	3014	2725	289	1.0
SS-FSS-6A-025	3006	2725	281	0.9
SS-FSS-6A-026	3052	2725	327	1.1
SS-FSS-6A-027	3068	2725	343	1.1
SS-FSS-6A-028	3109	2725	384	1.3
SS-FSS-6A-029	2993	2725	268	0.9
SS-FSS-6A-030	3126	2725	401	1.3
SS-FSS-6A-031	3095	2725	370	1.2
SS-FSS-6A-032	2891	2725	166	0.6
SS-FSS-6A-033	3056	2725	331	1.1
SS-FSS-6A-035	3165	2725	440	1.5
SS-FSS-6A-036	3030	2725	305	1.0
SS-FSS-6A-037	3133	2725	408	1.4
SS-FSS-6A-038	3094	2725	369	1.2

Survey Unit CE-FSS-06-02

Final Status Survey Sample GPS Coordinates

Sample ID	X_Coord	Y_Coord
SS-FSS-6A-017	608351.930000000000	381815.350000000000
SS-FSS-6A-018	608361.630000000000	381792.300000000000
SS-FSS-6A-019	608371.330000000000	381769.240000000000
SS-FSS-6A-020	608376.750000000000	381812.220000000000
SS-FSS-6A-021	608386.450000000000	381789.170000000000
SS-FSS-6A-022	608391.870000000000	381832.150000000000
SS-FSS-6A-024	608401.570000000000	381809.100000000000
SS-FSS-6A-025	608411.270000000000	381786.040000000000
SS-FSS-6A-026	608416.680000000000	381829.020000000000
SS-FSS-6A-027	608426.380000000000	381805.970000000000
SS-FSS-6A-028	608431.800000000000	381848.950000000000
SS-FSS-6A-029	608441.500000000000	381825.890000000000
SS-FSS-6A-030	608451.200000000000	381802.840000000000
SS-FSS-6A-031	608456.620000000000	381845.820000000000
SS-FSS-6A-032	608466.320000000000	381822.770000000000
SS-FSS-6A-033	608471.730000000000	381865.750000000000
SS-FSS-6A-035	608481.430000000000	381842.690000000000
SS-FSS-6A-036	608491.130000000000	381819.640000000000
SS-FSS-6A-037	608496.550000000000	381862.620000000000
SS-FSS-6A-038	608506.250000000000	381839.570000000000

Descriptive Statistics Report

Page

1

Summary Section of 06-02 Co-60

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
20	2.067815E-02	5.049472E-02	1.129096E-02	-0.0757	0.0908	0.1665

Counts Section of 06-02 Co-60

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
20	20	0	20	0.413563	5.699632E-02	4.844461E-02

Means Section of 06-02 Co-60

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	2.067815E-02	0.0253	4.553301E-02	-1.695974E-02	0.413563	
Std Error	1.129096E-02				0.2258192	
95% LCL	-2.954104E-03	-0.0153	2.749364E-02	1.359178E-02	-5.908207E-02	
95% UCL	0.0443104	0.0692	7.540853E-02	-5.221927E-03	0.8862081	
T-Value	1.8314					
Prob Level	0.082770					
Count	20		12	20		

The geometric mean confidence interval assumes that the $\ln(y)$ are normally distributed.

The harmonic mean confidence interval assumes that the $1/y$ are normally distributed.

Variation Section of 06-02 Co-60

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	2.549716E-03	5.049472E-02	0.0511632	1.129096E-02	0.092675	0.1665
Std Error	5.197712E-04	7.278658E-03		1.627558E-03		
95% LCL	1.474617E-03	3.840074E-02		8.586667E-03		
95% UCL	5.439232E-03	7.375114E-02		1.649126E-02		

Skewness and Kurtosis Section of 06-02 Co-60

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	-0.2986486	1.831134	-0.3234296	-1.151561	2.441936	1.738018
Std Error	0.3502169	0.3223366			1.40103	

Trimmed Section of 06-02 Co-60

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	2.213683E-02	2.302894E-02	2.449736E-02	0.0255163	2.529883E-02	0.0253
Trim-Std Dev	4.485302E-02	4.129875E-02	3.694159E-02	2.983746E-02	2.187787E-02	1.753625E-02
Count	18	16	14	10	6	2

Mean-Deviation Section of 06-02 Co-60

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	4.397185E-02	4.397185E-02	2.42223E-03	-3.560276E-05	1.074363E-05
Std Error	6.785204E-03		4.937827E-04	4.232127E-05	3.841366E-06

Descriptive Statistics Report

Page

2

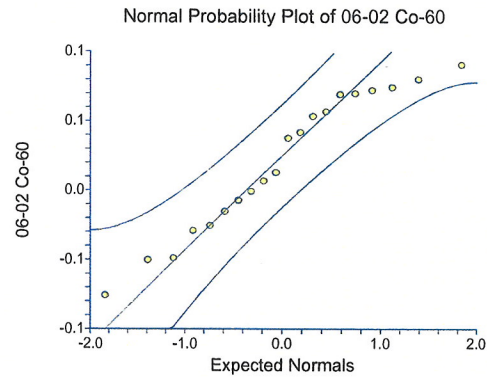
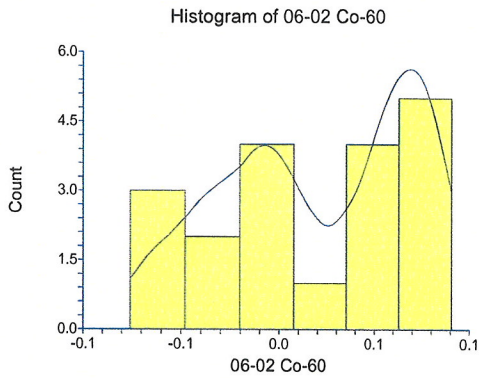
Quartile Section of 06-02 Co-60

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-0.05007	-0.022875	0.0253	0.0698	0.07962
95% LCL		-0.0757	-0.0153	0.0377	
95% UCL		0.0068	0.0692	0.0802	

Normality Test Section of 06-02 Co-60

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9362751	0.203724			Can't reject normality
Anderson-Darling	0.4769204	0.237657			Can't reject normality
Martinez-Iglewicz	0.9829819		1.216194	1.357297	Can't reject normality
Kolmogorov-Smirnov	9.151569E-02		0.176	0.192	Can't reject normality
D'Agostino Skewness	-0.6654	0.505767	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	-1.5899	0.111848	1.645	1.960	Can't reject normality
D'Agostino Omnibus	2.9707	0.226419	4.605	5.991	Can't reject normality

Plots Section of 06-02 Co-60



Descriptive Statistics Report

Page

3

Percentile Section of 06-02 Co-60

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.0908			
95.0	0.09027			
90.0	0.07962			
85.0	0.074085	0.0534	0.0908	95.5319
80.0	0.07184	0.0534	0.0908	95.6328
75.0	0.0698	0.0377	0.0802	96.1823
70.0	0.06545	0.0129	0.0802	97.5218
65.0	0.055545	0.0068	0.0744	96.8303
60.0	0.04876	-0.000807	0.0723	96.3010
55.0	0.039955	-0.00723	0.07	95.9722
50.0	0.0253	-0.0153	0.0692	95.8611
45.0	0.009545	-0.0254	0.0567	95.9722
40.0	0.0022358	-0.0291	0.0534	96.3010
35.0	-4.98195E-03	-0.0489	0.0418	96.8303
30.0	-0.012879	-0.0502	0.0377	97.5218
25.0	-0.022875	-0.0757	0.0068	95.5904
20.0	-0.02836	-0.0757	-0.000807	95.6328
15.0	-0.04593	-0.0757	-0.000807	95.5319
10.0	-0.05007			
5.0	-0.074425			
1.0	-0.0757			

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

Stem-Leaf Plot Section of 06-02 Co-60

Depth	Stem	Leaves
1	S	7
3	F	54
5	T	22
8	-0*	100
10	0*	01
10	T	3
9	F	455
6	S	6777
2	.	89

Unit = .01 Example: 1 |2 Represents 0.12

Descriptive Statistics Report

Page 4

Summary Section of 06-02 Total U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
20	2.985	1.809994	0.404727	0.7	7.2	6.5

Counts Section of 06-02 Total U

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
20	20	0	18	59.7	240.45	62.2455

Means Section of 06-02 Total U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	2.985	2.6	2.474534	2.007267	59.7	
Std Error	0.404727				8.09454	
95% LCL	2.137897	1.8	1.822142	1.5051	42.75793	
95% UCL	3.832103	3.6	3.360506	3.012301	76.64207	
T-Value	7.3753					
Prob Level	0.000001					
Count	20		20	20		

The geometric mean confidence interval assumes that the $\ln(y)$ are normally distributed.

The harmonic mean confidence interval assumes that the $1/y$ are normally distributed.

Variation Section of 06-02 Total U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	3.276079	1.809994	1.833956	0.404727	2.85	6.5
Std Error	0.9450098	0.3691851		8.255229E-02		
95% LCL	1.894706	1.376483		0.307791		
95% UCL	6.98876	2.643626		0.5911328		

Skewness and Kurtosis Section of 06-02 Total U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	0.7671536	2.664155	0.8308098	-6.536608E-02	0.6063632	0.5326923
Std Error	0.3814001	0.8777848			7.572699E-02	

Trimmed Section of 06-02 Total U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	2.877778	2.8375	2.771429	2.59	2.55	2.6
Trim-Std Dev	1.515627	1.349012	1.14786	0.5989806	0.3449638	0.2828427
Count	18	16	14	10	6	2

Mean-Deviation Section of 06-02 Total U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	1.4305	1.385	3.112275	4.212106	25.80569
Std Error	0.2432172		0.8977593	2.286616	12.3208

Descriptive Statistics Report

Page

5

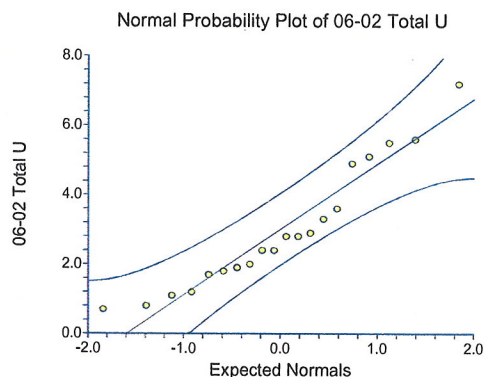
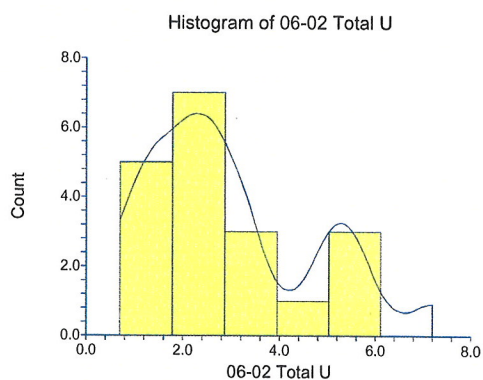
Quartile Section of 06-02 Total U

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	0.83	1.725	2.6	4.575	5.59
95% LCL		0.7	1.8	2.8	
95% UCL		2.4	3.6	5.6	

Normality Test Section of 06-02 Total U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9199972	0.099073			Can't reject normality
Anderson-Darling	0.6092589	0.113307			Can't reject normality
Martinez-Iglewicz	1.073235		1.216194	1.357297	Can't reject normality
Kolmogorov-Smirnov	0.168728		0.176	0.192	Can't reject normality
D'Agostino Skewness	1.6357	0.101892	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	0.1602	0.872726	1.645	1.960	Can't reject normality
D'Agostino Omnibus	2.7013	0.259067	4.605	5.991	Can't reject normality

Plots Section of 06-02 Total U



Descriptive Statistics Report

Page

6

Percentile Section of 06-02 Total U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	7.2			
95.0	7.12			
90.0	5.59			
85.0	5.44	2.9	7.2	95.5319
80.0	5.06	2.9	7.2	95.6328
75.0	4.575	2.8	5.6	96.1823
70.0	3.51	2.4	5.6	97.5218
65.0	3.16	2.4	5.5	96.8303
60.0	2.86	2	5.1	96.3010
55.0	2.8	1.9	4.9	95.9722
50.0	2.6	1.8	3.6	95.8611
45.0	2.4	1.7	3.3	95.9722
40.0	2.16	1.2	2.9	96.3010
35.0	1.935	1.1	2.8	96.8303
30.0	1.83	0.8	2.8	97.5218
25.0	1.725	0.7	2.4	95.5904
20.0	1.3	0.7	2	95.6328
15.0	1.115	0.7	2	95.5319
10.0	0.83			
5.0	0.705			
1.0	0.7			

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

Stem-Leaf Plot Section of 06-02 Total U

Depth	Stem	Leaves
2	0	78
7	1	12789
(6)	2	044889
7	3	36
5	4	9
4	5	156
1	6	
1	7	2

Unit = .1 Example: 1 | 2 Represents 1.2

Descriptive Statistics Report

Page

7

Summary Section of 06-02 SOF

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
20	0.00945	1.125997E-02	2.517805E-03	-0.013	0.024	0.037

Counts Section of 06-02 SOF

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
20	20	0	15	0.189	0.004195	2.40895E-03

Means Section of 06-02 SOF

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.00945	0.0105	1.075191E-02	1.461594E-02	0.189	0.019
Std Error	2.517805E-03				0.0503561	
95% LCL	4.180173E-03	0.003	7.003818E-03	6.810095E-03	8.360347E-02	
95% UCL	1.471983E-02	0.019	1.650578E-02	-9.996109E-02	0.2943965	
T-Value	3.7533					
Prob Level	0.001346					
Count	20		16	20		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 06-02 SOF

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.267868E-04	1.125997E-02	1.140903E-02	2.517805E-03	0.016	0.037
Std Error	2.822753E-05	1.772641E-03		3.963746E-04		
95% LCL	7.332662E-05	8.563097E-03		1.914767E-03		
95% UCL	2.704705E-04	1.644599E-02		3.677435E-03		

Skewness and Kurtosis Section of 06-02 SOF

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	-0.4275269	1.991351	-0.4630018	-0.94265	1.191531	0.9190476
Std Error	0.3455998	0.4179517			0.3854661	

Trimmed Section of 06-02 SOF

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	9.888889E-03	0.0101875	0.0105	0.0109	1.083333E-02	0.0105
Trim-Std Dev	9.969889E-03	8.930986E-03	7.812711E-03	6.740425E-03	5.528713E-03	2.12132E-03
Count	18	16	14	10	6	2

Mean-Deviation Section of 06-02 SOF

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.00965	0.00965	1.204475E-04	-5.651452E-07	2.888973E-08
Std Error	1.513053E-03		2.681616E-05	4.677053E-07	1.074204E-08

Descriptive Statistics Report

Page

8

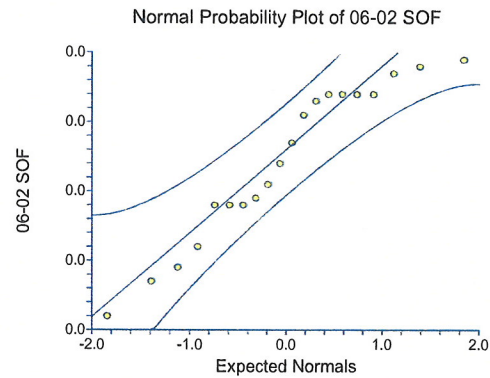
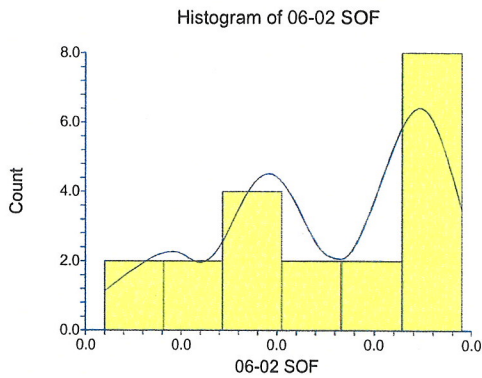
Quartile Section of 06-02 SOF

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-0.0078	0.003	0.0105	0.019	0.0229
95% LCL		-0.013	0.003	0.012	
95% UCL		0.006	0.019	0.023	

Normality Test Section of 06-02 SOF

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9229516	0.112944			Can't reject normality
Anderson-Darling	0.5953529	0.120158			Can't reject normality
Martinez-Iglewicz	0.9743341		1.216194	1.357297	Can't reject normality
Kolmogorov-Smirnov	0.1261716		0.176	0.192	Can't reject normality
D'Agostino Skewness	-0.9442	0.345088	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	-1.1419	0.253501	1.645	1.960	Can't reject normality
D'Agostino Omnibus	2.1953	0.333647	4.605	5.991	Can't reject normality

Plots Section of 06-02 SOF



Descriptive Statistics Report

Page

9

Percentile Section of 06-02 SOF

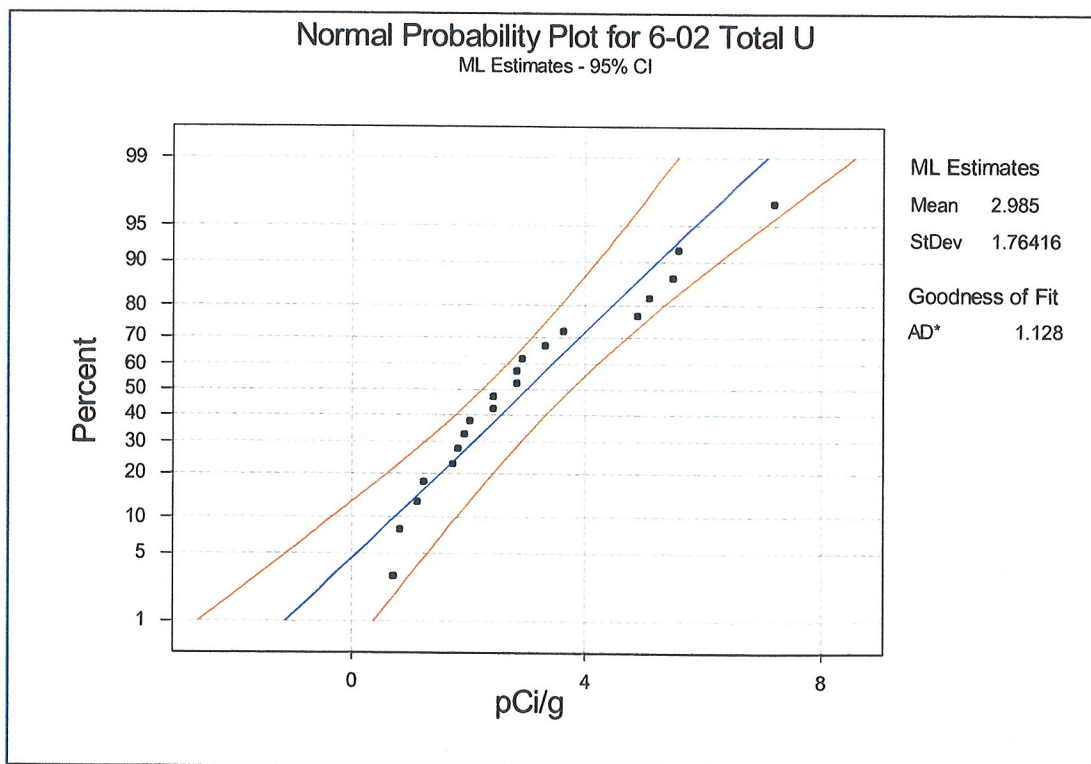
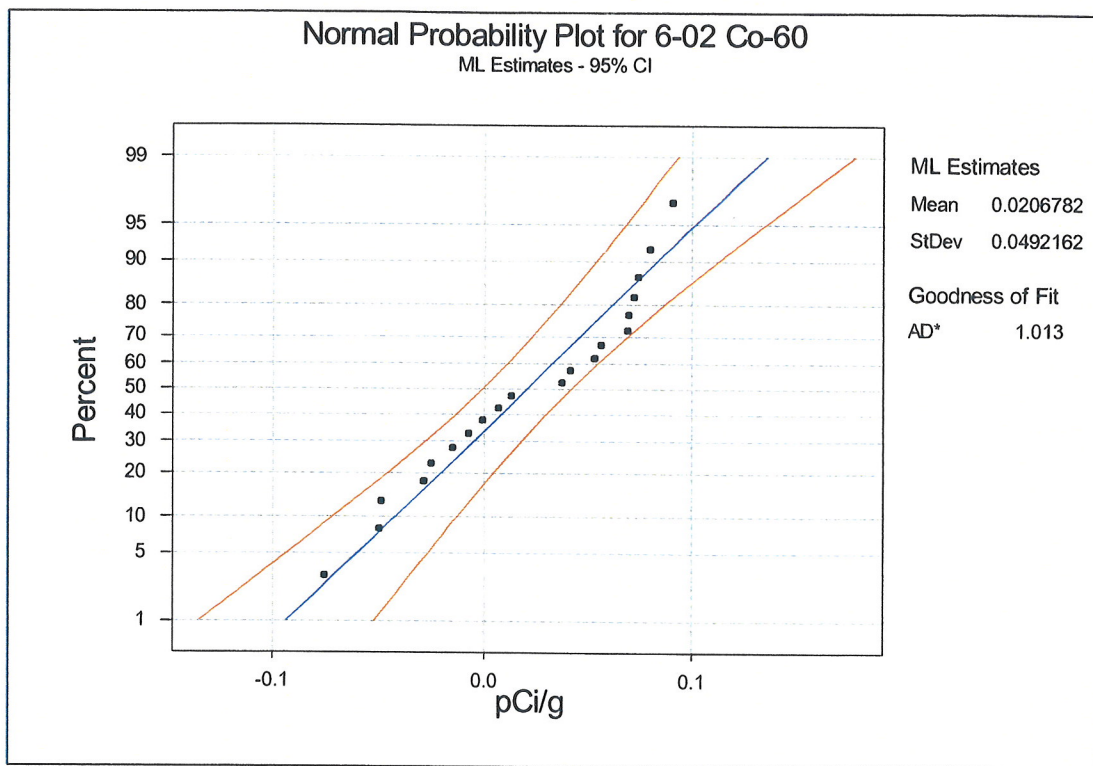
Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.024			
95.0	0.02395			
90.0	0.0229			
85.0	0.02155	0.018	0.024	95.5319
80.0	0.019	0.018	0.024	95.6328
75.0	0.019	0.012	0.023	96.1823
70.0	0.019	0.009	0.023	97.5218
65.0	0.01865	0.006	0.022	96.8303
60.0	0.0172	0.004	0.019	96.3010
55.0	0.0142	0.003	0.019	95.9722
50.0	0.0105	0.003	0.019	95.8611
45.0	0.00735	0.003	0.019	95.9722
40.0	0.0048	-0.003	0.018	96.3010
35.0	0.00335	-0.006	0.016	96.8303
30.0	0.003	-0.008	0.012	97.5218
25.0	0.003	-0.013	0.006	95.5904
20.0	-0.0018	-0.013	0.004	95.6328
15.0	-0.00555	-0.013	0.004	95.5319
10.0	-0.0078			
5.0	-0.01275			
1.0	-0.013			

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

Stem-Leaf Plot Section of 06-02 SOF

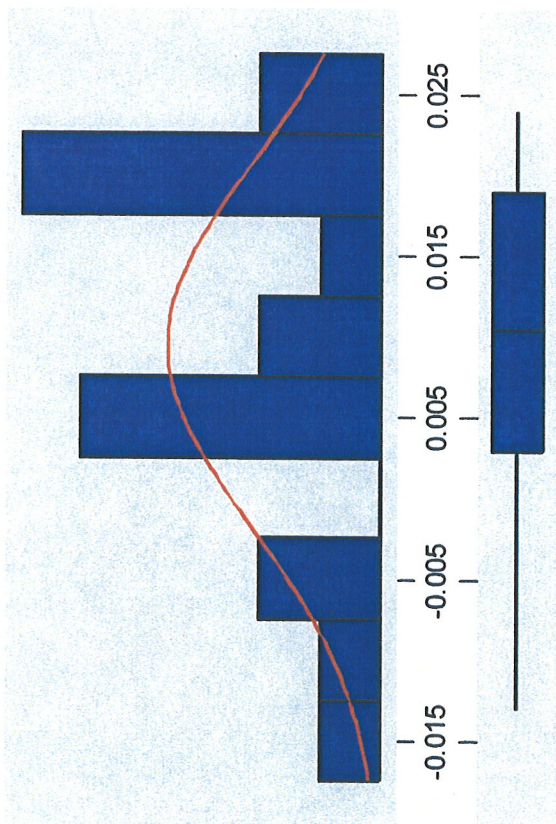
Depth	Stem	Leaves
1	-1*	3
3	.	86
4	-0*	3
8	0*	3334
10	.	69
10	1*	2
9	.	689999
3	2*	234

Unit = .001 Example: 1 |2 Represents 0.012



Descriptive Statistics

Variable: 6-02 SOF



Anderson-Darling Normality Test

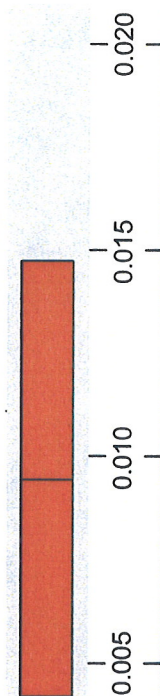
A-Squared: 0.592
P-Value: 0.108

Mean 9.45E-03
StDev 1.13E-02
Variance 1.27E-04
Skewness -4.6E-01
Kurtosis -9.4E-01
N 20

Minimum -1.3E-02
1st Quartile 3.00E-03
Median 1.05E-02
3rd Quartile 1.90E-02
Maximum 2.40E-02

95% Confidence Interval for Mu
4.18E-03 1.47E-02
95% Confidence Interval for Sigma
8.56E-03 1.64E-02
95% Confidence Interval for Median
3.00E-03 1.90E-02

95% Confidence Interval for Mu



95% Confidence Interval for Median



One-Sample T-Test Report

Page 1
Variable 06-02 SOF

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
06-02 SOF	20	0.00945	1.125997E-02	2.517805E-03	4.180173E-03	1.471983E-02
T for Confidence Limits = 2.0930						

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality	-0.9442	0.345088	Cannot reject normality
Kurtosis Normality	-1.1419	0.253501	Cannot reject normality
Omnibus Normality	2.1953	0.333647	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)
06-02 SOF<>1	-393.4181	0.000000	Reject Ho	1.000000	1.000000
06-02 SOF<1	-393.4181	0.000000	Reject Ho	1.000000	1.000000
06-02 SOF>1	-393.4181	1.000000	Accept Ho	0.000000	0.000000

Nonparametric Tests Section

Quantile (Sign) Test

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

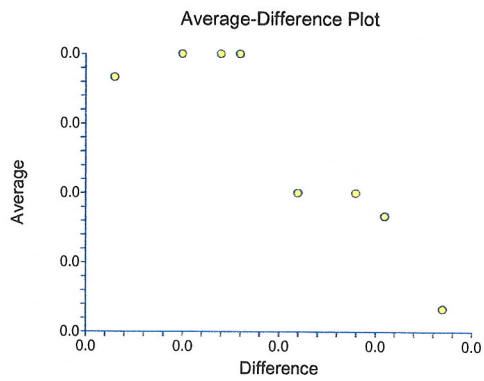
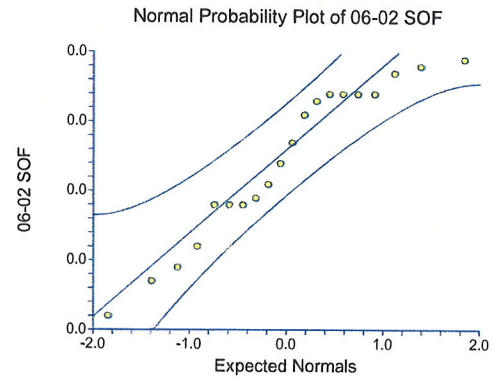
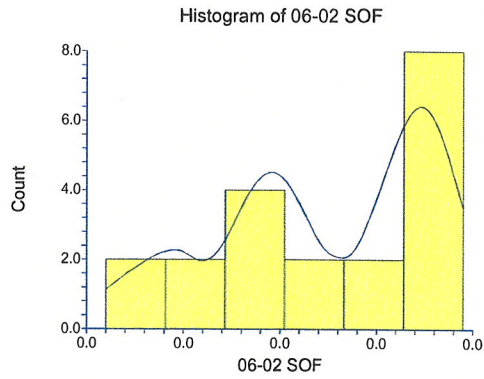
Wilcoxon Signed-Rank Test for Difference in Medians

W Sum Ranks	Mean of W	Std Dev of W	Number of Zeros	Number Sets of Ties	Multiplicity Factor
0	105	26.7535	0	2	84

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			3.9247	0.000087	Reject Ho	3.9060	0.000094	Reject Ho
Median<1			-3.9247	0.000043	Reject Ho	-3.9060	0.000047	Reject Ho
Median>1			-3.9247	0.999957	Accept Ho	-3.9434	0.999960	Accept Ho

One-Sample T-Test Report

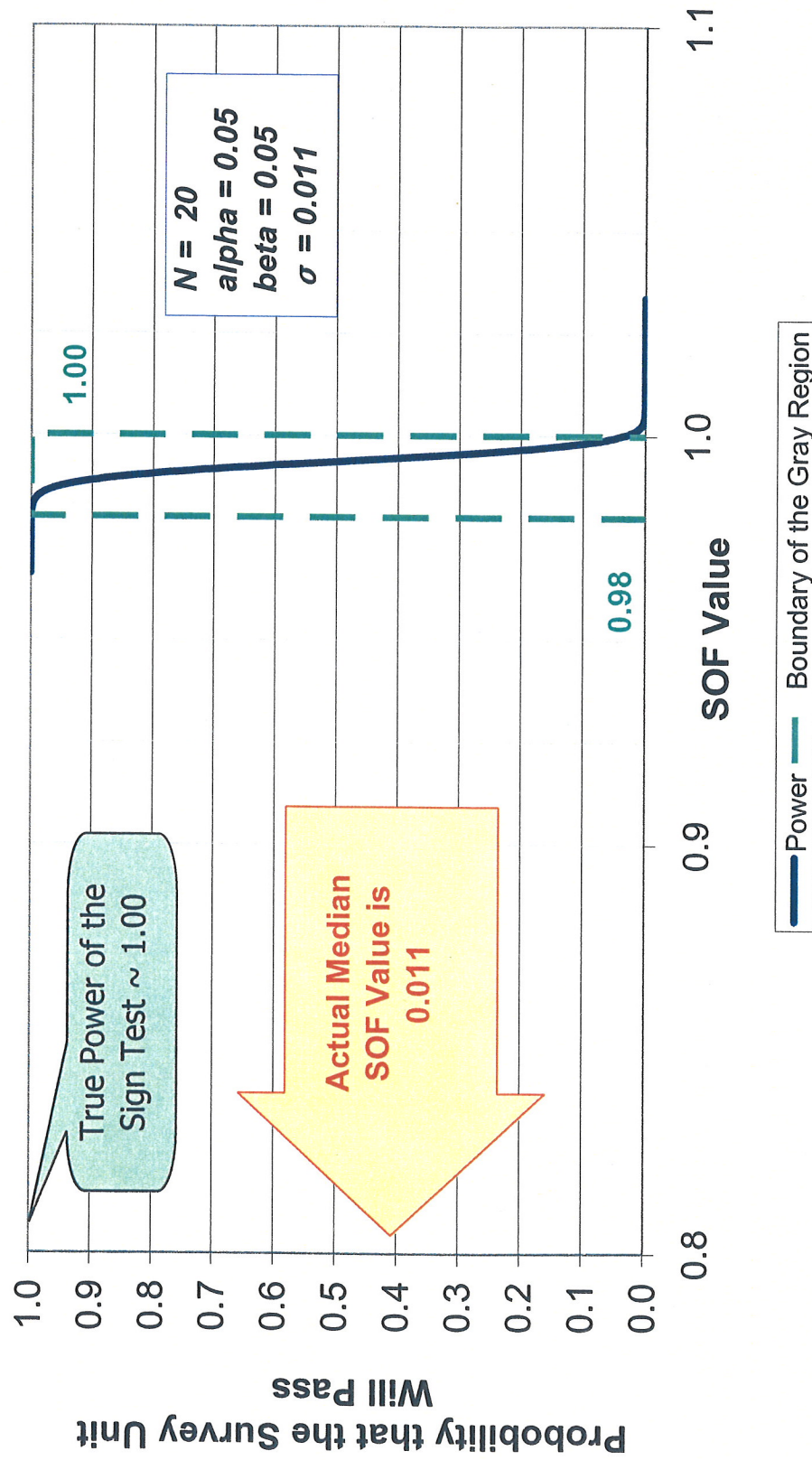
Plots Section



Retrospective Power of the Sign Test

Surface Soil Volumetric Measurements SOF Values

Survey Unit CE-FSS-06-02



RADIOLOGICAL SURVEY MAP

Survey Unit NO: CE-FSS-06AA-02		Surveyor Team (print names): R. CLARK		Page 1 of 2	
Location	Static Count				
SS-FSS-06A-002-01					
SS-FSS-06A-002-02					
SS-FSS-06A-002-03					
SS-FSS-06A-002-04					
SS-FSS-06A-002-05					
SS-FSS-06A-002-06					
SS-FSS-06A-002-07					
SS-FSS-06A-002-08					
SS-FSS-06A-002-09					
SS-FSS-06A-002-10					
SS-FSS-06A-002-11					
SS-FSS-06A-002-12					
SS-FSS-06A-002-13					
SS-FSS-06A-002-14					
SS-FSS-06A-002-15					
SS-FSS-06A-002-16					
SS-FSS-06A-002-17					
SS-FSS-06A-002-18					
SS-FSS-06A-002-19					
SS-FSS-06A-002-20					
SS-FSS-06A-002-21					
SS-FSS-06A-002-22					
SS-FSS-06A-002-23					
SS-FSS-06A-002-24					
Comments		100% 2x2 walkover of B-6A footprint Hill side area 3000-3500 cpm Remaining area 2800-3300 cpm			
Instrument: Ludlum 2350 @ 44-10 (2x2 NaI)		Ser. No: 175852/15203		Background (cpm): 2725	
Technician Signature & Date: R. Clark 9/14/05		Technician Signature & Date: R. Clark 9/14/05		Key	
				Δ - Volumetric Sample	

PROCEDURE NO RPP-4

REVISION 1

ATTACHMENT 1 PAGE 1 OF 1

RADIOLOGICAL SURVEY MAP

Survey Unit N0: CE-FSS-06A-03			Surveyor Team (print names):		Page 2 of 2	
Location	Sample#	Static Count				
1	SS-FSS-6A-17	3095				
2	SS-FSS-6A-18	3082				
3	SS-FSS-6A-19	2972				
4	SS-FSS-6A-20	2944				
5	SS-FSS-6A-21	2936				
6	SS-FSS-6A-22	3062				
7	SS-FSS-6A-24	3014				
8	SS-FSS-6A-25	3006				
9	SS-FSS-6A-26	3052				
10	SS-FSS-6A-27	3068				
11	SS-FSS-6A-28	3109				
12	SS-FSS-6A-29	2993				
13	SS-FSS-6A-30	3126				
14	SS-FSS-6A-31	3095				
15	SS-FSS-6A-32	2891				
16	SS-FSS-6A-33	3056				
17	SS-FSS-6A-35	3165				
18	SS-FSS-6A-36	3030				
19	SS-FSS-6A-37	3133				
20	SS-FSS-6A-38	3094				
Duplicates: #6 SS-FSS-6A-23, #16 SS-FSS-6A-34			Comments			
* Background from west side of site Background location			Instrument: Ludlum 2350 (44-10 (2x2 NaI))			
Technician Signature & Date: <i>Paul R. [Signature]</i> 9/18/05			Ser. No: 175852/15203			
Reviewed by Signature & Date: <i>[Signature]</i> 10/18/05			Background (cpm): 2725			
Key			~ - Direct Scan ☐ - Volumetric Sample			
PROCEDURE NO RPP-4			REVISION 1		ATTACHMENT 1 PAGE 1 OF 1	



CHAIN OF CUSTODY FORM

Page 1 of 2

60A unit 2

Project Info		Laboratory Info		INVOICE (if other than MACTEC contact)							
MACTEC Contact	Project No	Laboratory Name	Phone	Company Name	Phone						
Project Title	Purchase Order No.	Lab Contact	Fax	Company Contact	Fax						
Address		Address		Address							
City/State/Zip		City/State/Zip		City/State/Zip							
Special Handling Instructions		Analysis									
Sample ID No.	Date Collected	Time	Type ¹	Media	Volume	Description if necessary					
FSS-6A-17	9/21/2005	13:15	RAD	Soil	Pint	Survey Unit 2 Sample 1					
FSS-6A-18	9/21/2005	13:25	RAD	Soil	Pint	Survey Unit 2 Sample 2					
FSS-6A-19	9/21/2005	13:35	RAD	Soil	Pint	Survey Unit 2 Sample 3					
FSS-6A-20	9/21/2005	13:45	RAD	Soil	Pint	Survey Unit 2 Sample 4					
FSS-6A-21	9/21/2005	13:55	RAD	Soil	Pint	Survey Unit 2 Sample 5					
FSS-6A-22	9/21/2005	14:10	RAD	Soil	Pint	Survey Unit 2 Sample 6					
FSS-6A-23	9/21/2005	14:10	RAD	Soil	Pint	Survey Unit 2 Sample 6 DUP					
FSS-6A-24	9/21/2005	14:30	RAD	Soil	Pint	Survey Unit 2 Sample 7					
FSS-6A-25	9/21/2005	14:40	RAD	Soil	Pint	Survey Unit 2 Sample 8					
FSS-6A-26	9/21/2005	14:50	RAD	Soil	Pint	Survey Unit 2 Sample 9					
FSS-6A-27	9/21/2005	15:00	RAD	Soil	Pint	Survey Unit 2 Sample 10					
FSS-6A-28	9/21/2005	15:10	RAD	Soil	Pint	Survey Unit 2 Sample 11					
FSS-6A-29	9/21/2005	15:20	RAD	Soil	Pint	Survey Unit 2 Sample 12					
FSS-6A-30	9/21/2005	15:30	RAD	Soil	Pint	Survey Unit 2 Sample 13					
Relinquished By:	[Signature]		Relinquished By:		[Signature]		¹ Type				
Date/Time:	9/21/05 1600		Date/Time:		1600		RS-Radioactive				
Received By:	[Signature]		Received By:		[Signature]		Chem-Chemical				
Date/Time:	9/21/05 1600		Date/Time:		1600		Mix-Rad+Chemical				

 ***** 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-6A-17.00
 Sample Title: SS-FSS-6A-17.00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.522E+002 g
 Sample Taken On: 9/21/2005 1:15:00 PM
 Acquisition Started: 9/26/2005 1:18:48 PM
 Live Time: 900.0 seconds
 Real Time: 900.5 seconds
 Dead Time: 0.06 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Nuclide Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.30E+001	1.08E+001	1.94E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	-3.22E-002	1.03E-001	1.82E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	-1.04E-002	1.00E-001	1.68E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	-4.89E-002	9.21E-002	1.44E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	-1.43E-001	2.03E-001	3.33E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-1.33E-001	1.00E-001	1.48E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	6.21E-002	2.39E-001	4.65E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-1.44E-002	7.58E-002	1.43E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	1.24E-001	1.27E-001	2.63E-001	
TL-208	3.55E-001	4.29E-001	2.02E-001	FOUND		
PB-212	1.26E+000	6.17E-001	4.82E-001	FOUND		
BI-214	6.70E-001	2.33E-001	2.91E-001	FOUND		
PB-214	8.46E-001	2.43E-001	4.57E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	2.22E+000	2.29E+000	4.36E+000	
AC-228	1.50E+000	4.11E-001	7.97E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV	-2.59E+001	3.67E+001	6.18E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	1.24E+000	3.14E+000	5.69E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	-1.13E-001	4.25E-001	6.97E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	9.01E+000	1.71E+001	3.61E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	1.12E+000	1.81E+000	3.20E+000	
U-234	NOT FOUND/DATA for	53.20 keV	2.95E+002	3.59E+002	6.95E+002	
U-235	NOT FOUND/DATA for	185.71 keV	3.93E-002	1.39E-001	2.54E-001	
U-238	NOT FOUND/DATA for	92.60 keV	1.12E+000	1.81E+000	3.20E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-7.53E-003	6.97E-001	1.26E+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-6A-18.00
 Sample Title: SS-FSS-6A-18.00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.968E+002 g
 Sample Taken On: 9/21/2005 1:25:00 PM
 Acquisition Started: 9/26/2005 3:33:09 PM
 Live Time: 900.0 seconds
 Real Time: 900.2 seconds
 Dead Time: 0.02 %
 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	2.75E+001	8.92E+000	3.41E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	3.47E-002	6.84E-002	1.58E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	1.85E-002	1.10E-001	1.87E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	5.34E-002	9.13E-002	2.19E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	-1.19E-001	2.97E-001	5.03E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	7.94E-002	8.90E-002	1.97E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-7.26E-002	2.93E-001	5.29E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-8.53E-002	1.16E-001	1.56E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	7.91E-002	1.07E-001	2.29E-001	
TL-208	3.40E-001	4.44E-001	2.61E-001	FOUND		
PB-212	1.25E+000	2.29E-001	3.95E-001	FOUND		
BI-214	9.64E-001	1.20E+000	5.13E-001	FOUND		
PB-214	8.01E-001	3.64E-001	4.62E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	1.81E+000	2.29E+000	4.35E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	1.24E+000	5.80E-001	1.33E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	1.54E+001	4.41E+001	8.11E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	2.20E+000	3.73E+000	6.69E+000	
PA-234	NOT FOUND/DATA for	131.20 keV	-1.59E-001	4.53E-001	7.23E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	9.36E+000	1.93E+001	4.07E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	1.42E+000	1.88E+000	3.36E+000	
U-234	NOT FOUND/DATA for	53.20 keV	1.27E+002	3.39E+002	6.49E+002	
U-235	NOT FOUND/DATA for	185.71 keV	9.35E-002	1.36E-001	2.58E-001	
U-238	NOT FOUND/DATA for	92.60 keV	1.42E+000	1.88E+000	3.36E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-2.02E-001	6.98E-001	1.25E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS-FSS-6A-19.00
 Sample Title: SS-FSS-6A-19.00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.683E+002 g
 Sample Taken On: 9/21/2005 1:35:00 PM
 Acquisition Started: 9/26/2005 3:57:28 PM
 Live Time: 900.0 seconds
 Real Time: 900.2 seconds
 Dead Time: 0.02 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Nuclide Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.39E+001	8.72E+000	2.33E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	7.58E-002	9.90E-002	2.11E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	-6.94E-002	9.05E-002	1.44E-001	
CO-60	NOT FOUND/DATA for	1173.24 keV	-2.54E-002	1.17E-001	2.17E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	2.13E-001	1.88E-001	4.49E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-3.43E-002	9.67E-002	1.71E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-1.23E-002	2.03E-001	3.84E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-2.54E-002	9.87E-002	1.70E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	3.96E-002	1.16E-001	2.28E-001	
TL-208	NOT FOUND/DATA for	583.19 keV	3.47E-001	1.49E-001	3.23E-001	
PB-212	NOT FOUND/DATA for	238.63 keV	8.20E-001	2.51E-001	5.10E-001	
BI-214	1.19E+000	8.22E-001	4.06E-001	FOUND		
PB-214	9.52E-001	4.49E-001	4.90E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	3.61E+000	2.15E+000	4.28E+000	
AC-228	1.07E+000	4.37E-001	6.69E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV	7.05E+000	3.52E+001	6.57E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	8.23E-001	3.18E+000	5.61E+000	
PA-234	NOT FOUND/DATA for	131.20 keV	-2.75E-001	4.22E-001	6.18E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-1.01E+001	1.95E+001	3.15E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	1.03E+000	1.61E+000	2.87E+000	
U-234	NOT FOUND/DATA for	53.20 keV	-7.16E+001	3.10E+002	5.58E+002	
U-235	NOT FOUND/DATA for	185.71 keV	1.65E-001	1.34E-001	2.60E-001	
U-238	NOT FOUND/DATA for	92.60 keV	1.03E+000	1.61E+000	2.87E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-5.78E-001	6.27E-001	1.00E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS-FSS-6A-20.00
 Sample Title: SS-FSS-6A-20.00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.384E+002 g
 Sample Taken On: 9/21/2005 1:45:00 PM
 Acquisition Started: 9/26/2005 4:14:54 PM
 Live Time: 900.0 seconds
 Real Time: 900.2 seconds
 Dead Time: 0.02 %
 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	2.63E+001	8.58E+000	2.14E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	5.83E-002	1.07E-001	2.21E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	2.90E-002	9.75E-002	1.69E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	7.44E-002	9.03E-002	2.16E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	6.14E-002	2.14E-001	4.38E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	4.42E-003	9.23E-002	1.74E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	-1.52E-001	2.81E-001	4.75E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	-6.01E-002	9.04E-002	1.51E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	4.95E-002	1.05E-001	2.14E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	4.16E-001	1.59E-001	3.51E-001
PB-212	1.60E+000	4.50E-001	5.60E-001	FOUND		
BI-214	1.11E+000	2.99E-001	4.51E-001	FOUND		
PB-214	8.13E-001	2.12E-001	5.04E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	4.77E-001	2.24E+000	4.07E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	8.82E-001	5.59E-001	1.22E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-5.90E+000	3.74E+001	6.74E+001
PA-231	NOT FOUND/DATA	for	300.02 keV	7.54E-001	3.09E+000	5.46E+000
PA-234	NOT FOUND/DATA	for	131.20 keV	-3.63E-001	4.62E-001	6.39E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	1.11E+001	1.75E+001	3.69E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	2.02E+000	1.86E+000	3.38E+000
U-234	NOT FOUND/DATA	for	53.20 keV	1.87E+001	3.57E+002	6.57E+002
U-235	NOT FOUND/DATA	for	185.71 keV	7.87E-002	1.37E-001	2.57E-001
U-238	NOT FOUND/DATA	for	92.60 keV	2.02E+000	1.86E+000	3.38E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	1.46E-001	5.95E-001	1.12E+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-6A-21.00
Sample Title: SS-FSS-6A-21.00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.357E+002 g
Sample Taken On: 9/21/2005 1:55:00 PM
Acquisition Started: 9/26/2005 4:38:20 PM
Live Time: 900.0 seconds
Real Time: 900.3 seconds
Dead Time: 0.03 %
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	2.89E+001	3.95E+000	2.86E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.38E-002	9.77E-002	1.93E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.90E-002	1.05E-001	1.79E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-5.02E-002	1.12E-001	2.05E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.32E-001	2.25E-001	3.42E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			9.20E-002	9.39E-002	2.04E-001
SB-125	NOT FOUND/DATA for 427.89 keV			9.16E-002	2.61E-001	4.96E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-3.80E-002	9.09E-002	1.61E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.06E-002	1.13E-001	2.20E-001
TL-208	3.58E-001	1.24E-001	2.18E-001	FOUND		
PB-212	1.26E+000	4.27E-001	5.46E-001	FOUND		
BI-214	7.77E-001	2.71E-001	4.62E-001	FOUND		
PB-214	4.78E-001	2.18E-001	4.71E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.79E+000	2.32E+000	4.38E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.62E+000	6.14E-001	1.41E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.55E+001	4.14E+001	7.30E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-5.49E-001	3.68E+000	6.22E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.49E-001	4.46E-001	7.07E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.77E+001	1.67E+001	3.58E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.68E+000	1.94E+000	3.41E+000
U-234	NOT FOUND/DATA for 53.20 keV			6.94E+001	3.60E+002	6.73E+002
U-235	NOT FOUND/DATA for 185.71 keV			6.50E-002	1.43E-001	2.65E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.68E+000	1.94E+000	3.41E+000
AM-241	NOT FOUND/DATA for 59.54 keV			7.33E-002	6.50E-001	1.20E+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-6A-22.00
 Sample Title: SS-FSS-6A-22.00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.404E+002 g
 Sample Taken On: 9/21/2005 2:10:00 PM
 Acquisition Started: 9/26/2005 5:00:35 PM
 Live Time: 900.0 seconds
 Real Time: 900.3 seconds
 Dead Time: 0.03 %
 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	2.40E+001	9.19E+000	2.69E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	-4.03E-002	9.31E-002	1.64E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	-3.32E-002	9.92E-002	1.64E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	-4.75E-002	9.34E-002	1.63E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	-5.56E-002	2.17E-001	3.82E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-4.19E-002	9.28E-002	1.62E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-1.91E-001	2.54E-001	4.23E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-9.10E-002	1.25E-001	1.65E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	1.09E-002	1.18E-001	2.23E-001	
TL-208	NOT FOUND/DATA for	583.19 keV	4.51E-001	1.68E-001	3.67E-001	
PB-212	NOT FOUND/DATA for	238.63 keV	1.06E+000	2.85E-001	5.77E-001	
BI-214	1.15E+000	9.62E-001	4.73E-001	FOUND		
PB-214	9.62E-001	3.60E-001	4.50E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	3.66E-001	2.34E+000	4.25E+000	
AC-228	1.28E+000	4.36E-001	6.50E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV	-3.47E+000	4.34E+001	7.86E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	2.45E+000	3.58E+000	6.42E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	-2.02E-001	3.84E-001	6.12E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	2.12E+000	1.48E+001	2.99E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	1.31E+000	1.98E+000	3.49E+000	
U-234	NOT FOUND/DATA for	53.20 keV	-1.18E+002	3.45E+002	6.12E+002	
U-235	NOT FOUND/DATA for	185.71 keV	1.54E-002	1.41E-001	2.56E-001	
U-238	NOT FOUND/DATA for	92.60 keV	1.31E+000	1.98E+000	3.49E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-3.26E-001	5.91E-001	1.02E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: FSS-6A-23.00
 Sample Title: FSS-6A-22-00 DUP
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.805E+002 g
 Sample Taken On: 9/21/2005 2:20:00 PM
 Acquisition Started: 9/27/2005 8:15:04 AM
 Live Time: 900.0 seconds
 Real Time: 900.8 seconds
 Dead Time: 0.09 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Nuclide Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.21E+001	3.27E+000	1.58E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	5.97E-002	8.99E-002	1.92E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	4.79E-003	9.17E-002	1.56E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	1.70E-002	9.42E-002	2.03E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	1.56E-002	1.85E-001	3.60E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-5.52E-003	8.18E-002	1.53E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-1.96E-001	2.50E-001	3.98E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-1.29E-001	1.04E-001	1.09E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	1.10E-001	1.14E-001	2.40E-001	
TL-208	4.69E-001	1.33E-001	2.19E-001	FOUND		
PB-212	8.02E-001	2.04E-001	4.52E-001	FOUND		
BI-214	8.80E-001	2.56E-001	4.47E-001	FOUND		
PB-214	7.84E-001	1.93E-001	4.13E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	3.26E+000	2.05E+000	4.05E+000	
AC-228	1.28E+000	5.94E-001	6.57E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV	-2.35E+001	3.56E+001	6.13E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	1.86E+000	3.19E+000	5.75E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	1.70E-001	3.99E-001	6.82E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	2.92E+000	1.74E+001	3.46E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	9.98E-001	1.86E+000	3.24E+000	
U-234	NOT FOUND/DATA for	53.20 keV	-9.52E+001	3.33E+002	5.97E+002	
U-235	NOT FOUND/DATA for	185.71 keV	1.96E-001	1.25E-001	2.49E-001	
U-238	NOT FOUND/DATA for	92.60 keV	9.98E-001	1.86E+000	3.24E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	3.97E-001	6.20E-001	1.20E+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: FSS-6A-24.00
 Sample Title: FSS-6A-24-00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.440E+002 g
 Sample Taken On: 9/21/2005 2:30:00 PM
 Acquisition Started: 9/27/2005 10:21:21 AM
 Live Time: 900.0 seconds
 Real Time: 900.7 seconds
 Dead Time: 0.08 %
 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	2.47E+001	3.53E+000	2.83E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	5.48E-002	1.00E-001	2.09E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	-3.09E-002	9.59E-002	1.58E-001	
CO-60	NOT FOUND/DATA for	1173.24 keV	-7.23E-003	1.07E-001	2.07E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	-5.99E-003	2.23E-001	4.35E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	5.86E-002	8.85E-002	1.88E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	6.77E-002	2.56E-001	4.81E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	7.37E-003	9.27E-002	1.68E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	3.28E-002	1.04E-001	1.90E-001	
TL-208	4.30E-001	1.28E-001	1.69E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV	7.50E-001	2.78E-001	5.48E-001	
BI-214	1.23E+000	1.02E+000	3.84E-001	FOUND		
PB-214	5.84E-001	6.64E-001	4.28E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	2.58E+000	2.27E+000	4.37E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	1.29E+000	5.61E-001	1.29E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	1.21E+001	3.91E+001	7.33E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	7.88E-001	3.38E+000	6.02E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	8.71E-002	4.05E-001	6.87E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	1.92E+001	1.58E+001	3.77E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	-1.56E+000	1.99E+000	3.13E+000	
U-234	NOT FOUND/DATA for	53.20 keV	2.08E+001	3.36E+002	6.16E+002	
U-235	NOT FOUND/DATA for	185.71 keV	1.80E-001	1.38E-001	2.68E-001	
U-238	NOT FOUND/DATA for	92.60 keV	-1.56E+000	1.99E+000	3.13E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-5.37E-001	6.40E-001	1.06E+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: FSS-6A-25.00
 Sample Title: FSS-6A-25-00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.967E+002 g
 Sample Taken On: 9/21/2005 2:40:00 PM
 Acquisition Started: 9/27/2005 1:37:53 PM
 Live Time: 900.0 seconds
 Real Time: 901.0 seconds
 Dead Time: 0.11 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Nuclide Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.72E+001	4.00E+000	3.15E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	3.07E-002	9.76E-002	1.99E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	-9.15E-002	1.07E-001	1.68E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	7.00E-002	1.04E-001	2.43E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	4.34E-002	2.19E-001	4.51E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	-7.07E-002	1.15E-001	1.81E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	3.13E-002	2.68E-001	5.09E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	-4.03E-002	8.16E-002	1.45E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	1.24E-001	1.21E-001	2.60E-001
TL-208	2.94E-001	3.31E-001	2.39E-001	FOUND		
PB-212	1.26E+000	2.54E-001	4.90E-001	FOUND		
BI-214	1.07E+000	8.90E-001	4.60E-001	FOUND		
PB-214	8.85E-001	7.87E-001	5.26E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	1.19E+000	2.28E+000	4.25E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	1.45E+000	6.45E-001	1.45E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	3.57E+001	4.34E+001	8.24E+001
PA-231	NOT FOUND/DATA	for	300.02 keV	4.61E+000	4.07E+000	7.07E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	-1.67E-001	4.15E-001	6.71E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	1.01E+000	1.68E+001	3.37E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	2.49E+000	2.00E+000	3.65E+000
U-234	NOT FOUND/DATA	for	53.20 keV	-3.84E+002	4.02E+002	6.41E+002
U-235	NOT FOUND/DATA	for	185.71 keV	8.92E-002	1.39E-001	2.62E-001
U-238	NOT FOUND/DATA	for	92.60 keV	2.49E+000	2.00E+000	3.65E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	8.79E-002	7.10E-001	1.32E+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: FSS-6A-2600
 Sample Title: FSS-6A-26-00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.185E+002 g
 Sample Taken On: 9/21/2005 2:50:00 PM
 Acquisition Started: 9/27/2005 4:25:37 PM
 Live Time: 900.0 seconds
 Real Time: 900.2 seconds
 Dead Time: 0.02 %
 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	2.92E+001	4.01E+000	2.46E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	1.92E-002	9.07E-002	1.78E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	-2.82E-002	9.90E-002	1.63E-001	
CO-60	NOT FOUND/DATA for	1173.24 keV	-8.07E-004	1.16E-001	2.25E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	5.20E-003	2.51E-001	4.70E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-1.51E-002	9.04E-002	1.69E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-3.22E-001	2.38E-001	3.49E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-3.35E-002	7.88E-002	1.40E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	6.93E-002	1.22E-001	2.41E-001	
TL-208	3.21E-001	1.26E-001	2.53E-001	FOUND		
PB-212	1.02E+000	2.30E-001	4.23E-001	FOUND		
BI-214	8.97E-001	8.95E-001	3.66E-001	FOUND		
PB-214	1.08E+000	2.27E-001	5.63E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	1.83E+000	2.13E+000	4.10E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	1.49E+000	5.80E-001	1.36E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	-3.96E+001	4.14E+001	6.59E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	1.17E+000	3.25E+000	5.79E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	-2.94E-001	3.90E-001	6.01E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-8.75E+000	1.59E+001	2.75E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	-7.60E-003	1.83E+000	3.11E+000	
U-234	NOT FOUND/DATA for	53.20 keV	2.66E+002	3.64E+002	6.92E+002	
U-235	NOT FOUND/DATA for	185.71 keV	5.91E-002	1.31E-001	2.44E-001	
U-238	NOT FOUND/DATA for	92.60 keV	-7.60E-003	1.83E+000	3.11E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-2.21E-001	6.11E-001	1.08E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: FSS-6A-27.00
 Sample Title: FSS-6A-27-00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.840E+002 g
 Sample Taken On: 9/21/2005 3:00:00 PM
 Acquisition Started: 9/27/2005 4:58:10 PM
 Live Time: 900.0 seconds
 Real Time: 900.2 seconds
 Dead Time: 0.02 %
 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	3.53E+001	1.17E+001	1.82E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	-2.98E-002	9.53E-002	1.62E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	7.39E-002	9.82E-002	1.78E-001	
CO-60	NOT FOUND/DATA for	1173.24 keV	-2.91E-002	1.34E-001	2.48E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	-8.12E-003	2.51E-001	4.80E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-7.18E-002	9.97E-002	1.58E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	1.07E-001	2.43E-001	4.87E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	8.97E-003	8.98E-002	1.76E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	1.27E-001	1.36E-001	2.85E-001	
TL-208	3.36E-001	7.95E-001	2.02E-001	FOUND		
PB-212	1.02E+000	2.25E-001	4.84E-001	FOUND		
BI-214	5.51E-001	2.42E-001	4.56E-001	FOUND		
PB-214	9.78E-001	3.78E-001	4.65E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	1.38E+000	2.35E+000	4.39E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	7.40E-001	5.09E-001	1.15E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	2.72E+000	4.18E+001	7.45E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	3.28E+000	4.26E+000	7.48E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	-2.92E-001	4.36E-001	6.86E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-1.47E+001	1.99E+001	3.11E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	1.30E+000	2.05E+000	3.63E+000	
U-234	NOT FOUND/DATA for	53.20 keV	2.27E+002	3.82E+002	7.33E+002	
U-235	NOT FOUND/DATA for	185.71 keV	5.34E-002	1.39E-001	2.59E-001	
U-238	NOT FOUND/DATA for	92.60 keV	1.30E+000	2.05E+000	3.63E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	1.40E-001	6.62E-001	1.24E+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: FSS-6A-28.00
 Sample Title: FSS-6A-28-00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.125E+002 g
 Sample Taken On: 9/21/2005 3:10:00 PM
 Acquisition Started: 9/27/2005 5:17:12 PM
 Live Time: 900.0 seconds
 Real Time: 900.2 seconds
 Dead Time: 0.02 %
 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	2.44E+001	3.61E+000	2.30E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	2.96E-002	1.10E-001	2.20E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	3.23E-003	9.94E-002	1.69E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	4.18E-002	1.01E-001	2.25E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	3.96E-002	1.79E-001	3.79E-001	
AG-110m	NOT FOUND/DATA for	884.68 keV	-1.15E-001	1.12E-001	1.60E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-6.42E-002	2.42E-001	4.42E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-6.16E-002	1.04E-001	1.68E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	1.04E-001	1.24E-001	2.58E-001	
TL-208	4.32E-001	1.36E-001	2.24E-001	FOUND		
PB-212	1.87E+000	6.20E-001	4.16E-001	FOUND		
BI-214	1.27E+000	8.85E-001	3.81E-001	FOUND		
PB-214	8.76E-001	2.56E-001	4.87E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	-1.17E-001	2.35E+000	4.19E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	1.59E+000	6.17E-001	1.43E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	1.56E+001	3.98E+001	7.51E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	2.67E+000	3.75E+000	6.71E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	1.93E-002	3.83E-001	6.54E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-3.08E+000	1.65E+001	3.13E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	1.46E+000	2.04E+000	3.60E+000	
U-234	NOT FOUND/DATA for	53.20 keV	4.82E+001	3.33E+002	6.17E+002	
U-235	NOT FOUND/DATA for	185.71 keV	1.77E-001	1.44E-001	2.79E-001	
U-238	NOT FOUND/DATA for	92.60 keV	1.46E+000	2.03E+000	3.60E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-2.51E-001	6.52E-001	1.09E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS-FSS-6A-29.00
 Sample Title: SS-FSS-6A-29.00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.684E+002 g
 Sample Taken On: 9/21/2005 3:20:00 PM
 Acquisition Started: 9/28/2005 7:49:00 AM
 Live Time: 900.0 seconds
 Real Time: 901.1 seconds
 Dead Time: 0.12 %
 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	2.72E+001	9.10E+000	2.47E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	-6.08E-003	8.67E-002	1.65E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	1.97E-002	9.51E-002	1.64E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	7.23E-002	8.28E-002	2.07E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	4.82E-002	2.12E-001	4.20E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	-7.54E-002	1.04E-001	1.51E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	-1.45E-001	2.35E-001	3.95E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	-3.32E-002	9.03E-002	1.58E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	1.12E-001	1.10E-001	2.32E-001
TL-208	4.73E-001	1.34E-001	2.12E-001	FOUND		
PB-212	9.04E-001	2.13E-001	4.79E-001	FOUND		
BI-214	9.59E-001	8.48E-001	3.97E-001	FOUND		
PB-214	8.04E-001	8.59E-001	4.64E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	1.85E+000	2.25E+000	4.23E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	1.07E+000	5.12E-001	1.18E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-1.51E+001	3.92E+001	6.95E+001
PA-231	NOT FOUND/DATA	for	300.02 keV	1.13E+000	3.26E+000	5.86E+000
PA-234	NOT FOUND/DATA	for	131.20 keV	1.61E-002	3.81E-001	6.49E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	-4.19E-001	1.46E+001	2.71E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	1.62E+000	1.78E+000	3.17E+000
U-234	NOT FOUND/DATA	for	53.20 keV	4.07E+001	3.66E+002	6.72E+002
U-235	NOT FOUND/DATA	for	185.71 keV	1.59E-001	1.39E-001	2.66E-001
U-238	NOT FOUND/DATA	for	92.60 keV	1.62E+000	1.77E+000	3.17E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	-9.50E-002	6.85E-001	1.18E+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-6A-30.00
 Sample Title: SS-FSS-6A-30.00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.905E+002 g
 Sample Taken On: 9/21/2005 3:30:00 PM
 Acquisition Started: 9/28/2005 8:08:26 AM
 Live Time: 900.0 seconds
 Real Time: 900.8 seconds
 Dead Time: 0.09 %
 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	2.95E+001	3.99E+000	2.13E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	-3.06E-003	9.90E-002	1.86E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	5.70E-002	1.10E-001	1.92E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	5.67E-002	1.35E-001	2.87E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	2.33E-002	2.26E-001	4.16E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	9.17E-002	1.00E-001	2.16E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	1.77E-001	2.36E-001	4.93E-001	
CS-134	NOT FOUND/DATA for	795.84 keV	-2.97E-002	1.04E-001	1.90E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	5.62E-002	1.36E-001	2.68E-001	
TL-208	4.96E-001	1.48E-001	2.36E-001	FOUND		
PB-212	1.29E+000	5.56E-001	4.85E-001	FOUND		
BI-214	1.24E+000	1.18E+000	5.04E-001	FOUND		
PB-214	1.02E+000	2.71E-001	4.81E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	3.66E+000	2.67E+000	5.15E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	1.32E+000	5.78E-001	1.35E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	1.19E+000	4.46E+001	8.13E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	2.24E+000	3.58E+000	6.49E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	-2.28E-003	4.52E-001	7.53E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	1.27E+001	1.96E+001	4.11E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	-3.99E-001	2.03E+000	3.38E+000	
U-234	NOT FOUND/DATA for	53.20 keV	-1.88E+002	3.62E+002	6.31E+002	
U-235	NOT FOUND/DATA for	185.71 keV	2.31E-001	1.61E-001	3.12E-001	
U-238	NOT FOUND/DATA for	92.60 keV	-3.99E-001	2.03E+000	3.38E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-1.93E-001	7.22E-001	1.30E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS-FSS-6A-31.00
 Sample Title: SS-FSS-6A-31.00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.135E+002 g
 Sample Taken On: 9/21/2005 3:40:00 PM
 Acquisition Started: 9/28/2005 8:40:03 AM
 Live Time: 900.0 seconds
 Real Time: 900.2 seconds
 Dead Time: 0.02 %
 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	2.99E+001	1.34E+001	2.38E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	9.21E-002	9.62E-002	2.13E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	-3.35E-002	1.08E-001	1.78E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	-7.57E-002	8.99E-002	1.53E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	-2.52E-002	2.68E-001	5.08E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	-1.89E-002	1.01E-001	1.82E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	4.91E-002	2.63E-001	4.95E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	-3.92E-002	9.52E-002	1.67E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	1.26E-001	1.21E-001	2.58E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	3.08E-001	1.49E-001	3.24E-001
PB-212	1.61E+000	6.94E-001	5.42E-001	FOUND		
BI-214	1.23E+000	9.03E-001	3.31E-001	FOUND		
PB-214	1.08E+000	2.54E-001	4.23E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	3.34E+000	2.42E+000	4.73E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	1.23E+000	5.52E-001	1.28E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-6.66E+000	4.33E+001	7.76E+001
PA-231	NOT FOUND/DATA	for	300.02 keV	1.43E+000	3.56E+000	6.38E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	-6.36E-002	4.41E-001	7.37E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	7.58E+000	1.66E+001	3.57E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	1.21E+000	1.93E+000	3.42E+000
U-234	NOT FOUND/DATA	for	53.20 keV	9.33E+001	3.72E+002	6.77E+002
U-235	NOT FOUND/DATA	for	185.71 keV	3.51E-002	1.47E-001	2.65E-001
U-238	NOT FOUND/DATA	for	92.60 keV	1.21E+000	1.93E+000	3.42E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	1.31E-001	7.35E-001	1.36E+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-6A-32.00
 Sample Title: SS-FSS-6A-32.00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.884E+002 g
 Sample Taken On: 9/21/2005 3:50:00 PM
 Acquisition Started: 9/28/2005 9:17:16 AM
 Live Time: 900.0 seconds
 Real Time: 900.2 seconds
 Dead Time: 0.02 %
 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	2.18E+001	9.00E+000	2.52E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	-3.30E-002	9.82E-002	1.79E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	3.53E-002	8.95E-002	1.56E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	3.77E-002	8.16E-002	1.90E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	5.54E-002	2.44E-001	4.52E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-2.25E-002	8.66E-002	1.52E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	2.91E-002	2.01E-001	3.84E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-2.57E-003	7.75E-002	1.36E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	6.29E-002	1.01E-001	2.08E-001	
TL-208	3.00E-001	1.15E-001	2.03E-001	FOUND		
PB-212	9.57E-001	2.10E-001	3.93E-001	FOUND		
BI-214	7.25E-001	2.32E-001	4.00E-001	FOUND		
PB-214	9.33E-001	2.45E-001	4.12E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	2.16E+000	2.20E+000	4.19E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	9.09E-001	5.11E-001	1.14E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	-9.93E+000	4.06E+001	7.03E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	2.02E+000	3.50E+000	6.24E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	-1.70E-001	3.52E-001	5.66E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-1.44E+000	1.42E+001	2.63E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	2.26E-001	1.88E+000	3.16E+000	
U-234	NOT FOUND/DATA for	53.20 keV	1.12E+002	3.42E+002	6.34E+002	
U-235	NOT FOUND/DATA for	185.71 keV	7.60E-002	1.33E-001	2.47E-001	
U-238	NOT FOUND/DATA for	92.60 keV	2.26E-001	1.88E+000	3.16E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-2.42E-001	5.61E-001	9.87E-001	

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-6A-33.00
 Sample Title: SS-FSS-6A-33.00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.327E+002 g
 Sample Taken On: 9/21/2005 4:00:00 PM
 Acquisition Started: 9/28/2005 9:40:06 AM
 Live Time: 900.0 seconds
 Real Time: 900.2 seconds
 Dead Time: 0.02 %
 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	2.49E+001	3.65E+000	2.18E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	2.88E-002	1.11E-001	2.07E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	-2.75E-002	1.07E-001	1.76E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	8.44E-002	1.03E-001	2.40E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	-3.36E-001	2.58E-001	3.21E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-1.10E-002	8.24E-002	1.53E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-1.27E-001	2.48E-001	4.17E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	1.06E-002	8.91E-002	1.67E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	1.80E-001	1.17E-001	2.63E-001	
TL-208	3.79E-001	4.28E-001	2.16E-001	FOUND		
PB-212	1.33E+000	2.48E-001	4.48E-001	FOUND		
BI-214	1.10E+000	2.74E-001	3.81E-001	FOUND		
PB-214	1.22E+000	2.86E-001	5.24E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	1.34E+000	2.35E+000	4.38E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	1.77E+000	6.50E-001	1.48E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	2.53E+001	3.75E+001	7.27E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	2.28E+000	3.68E+000	6.55E+000	
PA-234	NOT FOUND/DATA for	131.20 keV	-1.79E-001	4.00E-001	6.27E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	4.90E+000	1.89E+001	3.72E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	7.96E-001	1.86E+000	3.24E+000	
U-234	NOT FOUND/DATA for	53.20 keV	-1.90E+002	3.43E+002	5.97E+002	
U-235	NOT FOUND/DATA for	185.71 keV	-4.47E-003	1.43E-001	2.56E-001	
U-238	NOT FOUND/DATA for	92.60 keV	7.96E-001	1.86E+000	3.24E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	3.86E-001	6.63E-001	1.28E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS-FSS-6A-34.00
 Sample Title: SS-FSS-6A-33.00.DUP
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.230E+002 g
 Sample Taken On: 9/21/2005 4:10:00 PM
 Acquisition Started: 9/28/2005 9:58:36 AM
 Live Time: 900.0 seconds
 Real Time: 900.3 seconds
 Dead Time: 0.03 %
 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	2.59E+001	3.74E+000	2.67E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	-3.86E-003	1.11E-001	2.10E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	-2.48E-002	1.10E-001	1.82E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	5.39E-002	9.49E-002	2.22E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	-1.60E-001	2.72E-001	4.68E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	4.03E-002	9.93E-002	2.00E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-4.75E-002	2.45E-001	4.46E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-7.01E-002	1.03E-001	1.74E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	5.74E-002	1.10E-001	2.25E-001	
TL-208	5.43E-001	1.44E-001	1.89E-001	FOUND		
PB-212	1.69E+000	6.34E-001	4.89E-001	FOUND		
BI-214	1.43E+000	1.12E+000	3.57E-001	FOUND		
PB-214	1.18E+000	2.77E-001	4.79E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	3.90E+000	2.27E+000	4.52E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	1.44E+000	6.31E-001	1.42E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	-5.05E+000	4.08E+001	7.32E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	4.35E+000	4.12E+000	7.12E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	4.95E-002	4.22E-001	7.22E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-7.03E+000	1.51E+001	2.54E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	6.90E-001	1.92E+000	3.32E+000	
U-234	NOT FOUND/DATA for	53.20 keV	1.48E+002	3.95E+002	7.34E+002	
U-235	NOT FOUND/DATA for	185.71 keV	1.82E-001	1.39E-001	2.72E-001	
U-238	NOT FOUND/DATA for	92.60 keV	6.90E-001	1.92E+000	3.32E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	1.58E-001	6.99E-001	1.28E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS-FSS-6A-35.00
 Sample Title: SS-FSS-6A-35.00.
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.672E+002 g
 Sample Taken On: 9/21/2005 4:20:00 PM
 Acquisition Started: 9/28/2005 10:30:59 AM
 Live Time: 900.0 seconds
 Real Time: 900.9 seconds
 Dead Time: 0.10 %
 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	2.85E+001	9.56E+000	2.20E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	8.71E-002	1.12E-001	2.32E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	-5.37E-002	9.48E-002	1.53E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	9.08E-002	1.06E-001	2.46E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	-1.97E-002	2.13E-001	4.04E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-4.87E-002	8.32E-002	1.45E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-1.10E-001	2.54E-001	4.37E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	3.44E-002	8.34E-002	1.67E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	9.56E-002	1.06E-001	2.24E-001	
TL-208	3.20E-001	1.19E-001	2.03E-001	FOUND		
PB-212	1.10E+000	2.38E-001	4.56E-001	FOUND		
BI-214	8.36E-001	2.46E-001	3.86E-001	FOUND		
PB-214	7.43E-001	2.48E-001	3.87E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	1.51E+000	2.18E+000	4.08E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	1.23E+000	5.60E-001	1.26E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	-4.86E+000	3.87E+001	6.96E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	2.95E+000	3.86E+000	6.80E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	4.56E-002	3.85E-001	6.55E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-3.85E+000	1.75E+001	3.28E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	7.97E-001	1.88E+000	3.26E+000	
U-234	NOT FOUND/DATA for	53.20 keV	-9.36E+000	3.42E+002	6.15E+002	
U-235	NOT FOUND/DATA for	185.71 keV	2.22E-002	1.31E-001	2.37E-001	
U-238	NOT FOUND/DATA for	92.60 keV	7.97E-001	1.88E+000	3.26E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	1.90E-001	5.83E-001	1.11E+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-6A-36.00
 Sample Title: SS-FSS-6A-36.00.
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.810E+002 g
 Sample Taken On: 9/21/2005 4:30:00 PM
 Acquisition Started: 9/28/2005 11:51:33 AM
 Live Time: 900.0 seconds
 Real Time: 900.7 seconds
 Dead Time: 0.07 %
 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	2.61E+001	1.05E+001	2.21E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		8.48E-003	8.01E-002	1.62E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-6.70E-002	9.54E-002	1.52E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		6.80E-003	1.12E-001	2.13E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.44E-001	2.82E-001	3.41E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.70E-002	8.37E-002	1.64E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.22E-001	2.32E-001	4.64E-001
CS-134	NOT FOUND/DATA for	604.70 keV		4.08E-002	9.89E-002	1.92E-001
CS-137	NOT FOUND/DATA for	661.66 keV		6.45E-002	1.09E-001	2.19E-001
TL-208	2.97E-001	3.36E-001	2.16E-001	FOUND		
PB-212	1.28E+000	3.90E-001	4.66E-001	FOUND		
BI-214	9.27E-001	2.74E-001	5.02E-001	FOUND		
PB-214	6.42E-001	2.00E-001	4.81E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.59E+000	1.91E+000	3.62E+000
AC-228	1.42E+000	3.78E-001	5.50E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.33E+001	3.82E+001	7.17E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.95E+000	3.42E+000	6.03E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-5.78E-002	3.95E-001	6.56E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.10E+000	1.75E+001	3.46E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.81E+000	1.93E+000	3.39E+000
U-234	NOT FOUND/DATA for	53.20 keV		9.82E+001	2.92E+002	5.62E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.57E-002	1.18E-001	2.17E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.81E+000	1.93E+000	3.39E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-7.78E-003	6.06E-001	1.11E+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-6A-37.00
 Sample Title: SS-FSS-6A-37.00.
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 7.049E+002 g
 Sample Taken On: 9/21/2005 4:40:00 PM
 Acquisition Started: 9/28/2005 1:06:18 PM
 Live Time: 900.0 seconds
 Real Time: 900.3 seconds
 Dead Time: 0.03 %
 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	2.10E+001	3.15E+000	2.26E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	-1.99E-002	7.79E-002	1.42E-001
CO-57	NOT FOUND/DATA for		122.06 keV	-5.86E-003	8.95E-002	1.50E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	8.02E-002	8.26E-002	2.06E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-2.75E-001	2.50E-001	2.88E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	-3.60E-002	9.39E-002	1.68E-001
SB-125	NOT FOUND/DATA for		427.89 keV	1.89E-002	2.26E-001	4.31E-001
CS-134	NOT FOUND/DATA for		795.84 keV	-3.01E-002	9.51E-002	1.75E-001
CS-137	NOT FOUND/DATA for		661.66 keV	9.54E-002	1.13E-001	2.32E-001
TL-208	5.90E-001	3.70E-001	2.09E-001	FOUND		
PB-212	1.02E+000	7.14E-001	4.17E-001	FOUND		
BI-214	8.31E-001	2.44E-001	4.15E-001	FOUND		
PB-214	9.74E-001	3.47E-001	3.67E-001	FOUND		
RA-226	1.88E+000	5.29E-001	3.65E+000	FOUND		
AC-228	NOT FOUND/DATA for		911.21 keV	1.21E+000	5.45E-001	1.23E+000
TH-230	NOT FOUND/DATA for		67.67 keV	1.79E+001	3.71E+001	6.70E+001
PA-231	NOT FOUND/DATA for		300.02 keV	2.12E+000	3.24E+000	5.77E+000
PA-234	NOT FOUND/DATA for		98.44 keV	-3.47E-001	3.90E-001	5.95E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	-9.87E+000	1.72E+001	2.98E+001
TH-234	NOT FOUND/DATA for		92.60 keV	1.67E+000	1.65E+000	2.99E+000
U-234	NOT FOUND/DATA for		53.20 keV	1.55E+002	2.98E+002	5.76E+002
U-235	1.15E-001	3.23E-002	2.22E-001	FOUND		
U-238	NOT FOUND/DATA for		92.60 keV	1.67E+000	1.65E+000	2.99E+000
AM-241	NOT FOUND/DATA for		59.54 keV	2.71E-001	5.23E-001	1.01E+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-6A-38.00
 Sample Title: SS-FSS-6A-38.00.
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 7.049E+002 g
 Sample Taken On: 9/21/2005 4:50:00 PM
 Acquisition Started: 9/28/2005 1:41:41 PM
 Live Time: 900.0 seconds
 Real Time: 900.2 seconds
 Dead Time: 0.02 %
 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	2.44E+001	8.06E+000	2.07E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	6.75E-002	9.63E-002	2.01E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	6.29E-002	9.27E-002	1.59E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	1.29E-002	9.50E-002	1.96E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	-4.56E-002	1.52E-001	2.88E-001	
AG-110m	NOT FOUND/DATA for	1384.30 keV	0.00E+000	0.00E+000	1.44E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-3.88E-002	2.36E-001	4.04E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	1.32E-003	8.62E-002	1.62E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	3.70E-002	1.04E-001	2.07E-001	
TL-208	3.98E-001	3.75E-001	1.88E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV	1.08E+000	2.60E-001	5.31E-001	
BI-214	6.67E-001	2.29E-001	3.82E-001	FOUND		
PB-214	1.00E+000	2.46E-001	4.49E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	1.19E+000	1.94E+000	3.62E+000	
AC-228	1.15E+000	3.68E-001	7.07E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV	-1.32E+001	3.58E+001	6.17E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	6.12E-001	3.20E+000	5.61E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	-1.36E-001	3.67E-001	5.98E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	1.84E+000	1.49E+001	2.98E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	5.85E-001	1.61E+000	2.79E+000	
U-234	NOT FOUND/DATA for	53.20 keV	1.04E+002	3.04E+002	5.70E+002	
U-235	NOT FOUND/DATA for	185.71 keV	6.15E-002	1.21E-001	2.24E-001	
U-238	NOT FOUND/DATA for	92.60 keV	5.85E-001	1.61E+000	2.79E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-1.36E-001	6.28E-001	1.13E+000	

Uncertainty reported at 2.0 sigma