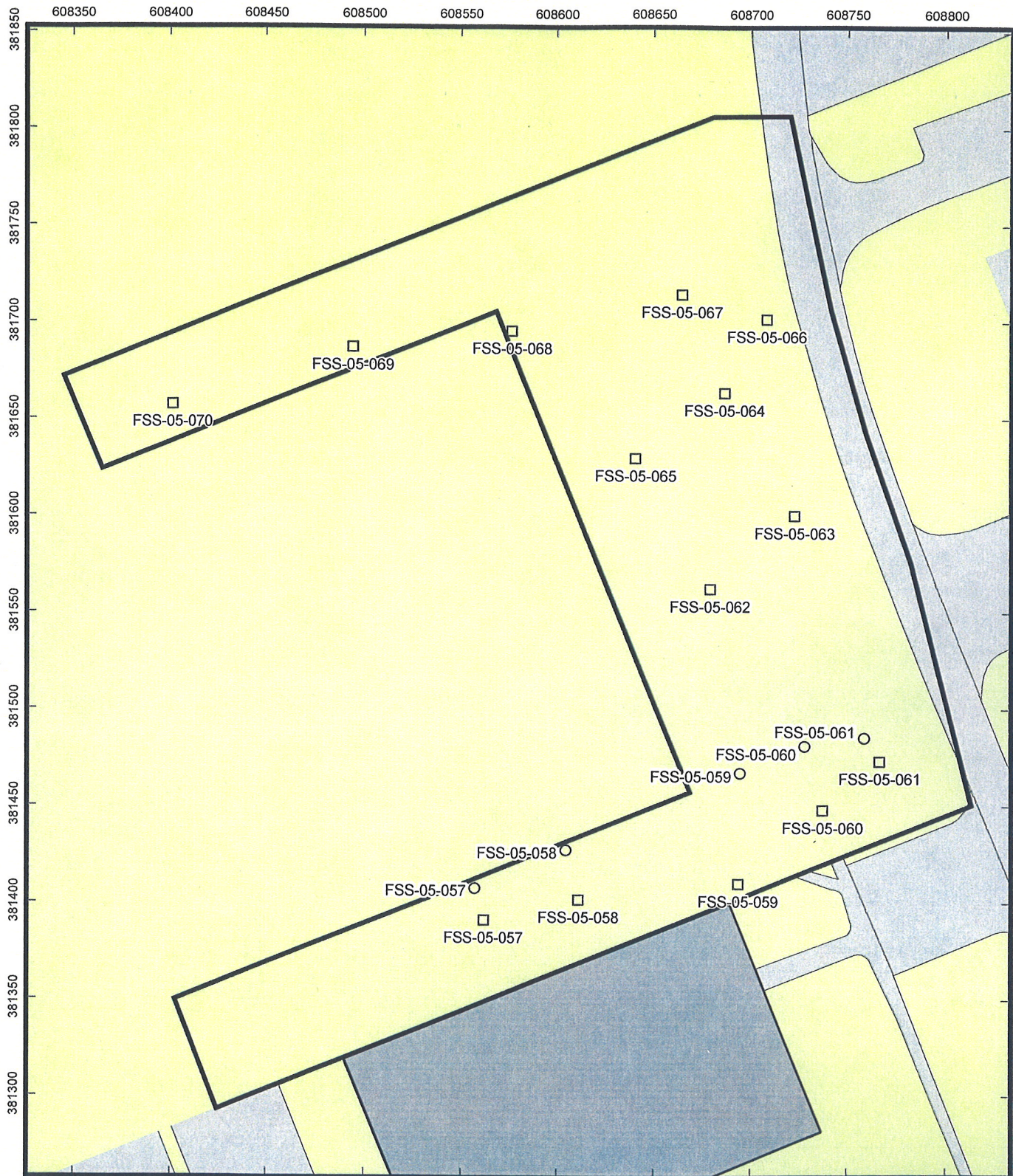


APPENDIX B

**SURVEY UNIT CE-FSS-05-02
RESULTS AND DATA EVALUATION**



CT State Plane NAD 27 Feet:

Legend

- Soil Sample Location
- Relocated Soil Sample Location
- ▭ Survey Unit
- Forest
- Open
- Water
- Road
- Building

Sample Locations
Building 5 Complex
Survey Unit CE-FSS-05-02

Final Status Survey
CE Windsor Site
Windsor, Connecticut

MACTEC

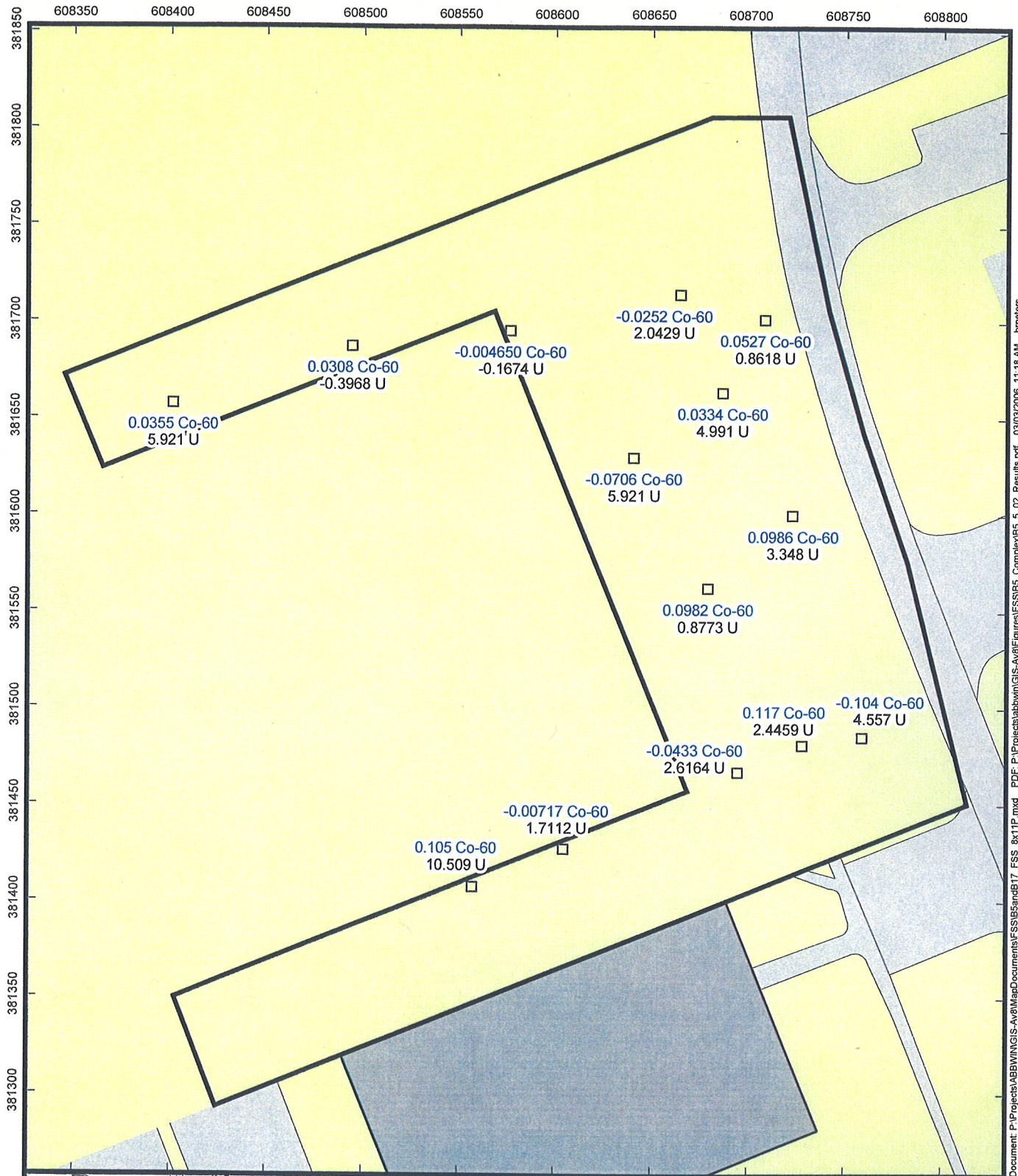
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0 35 70

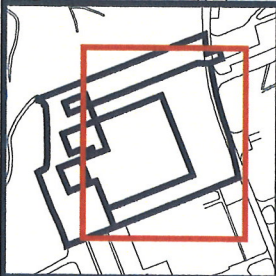
Feet

Prepared by BRP

Checked by HTD



CT State Plane NAD 27 Feet:



Legend

Co-60 (pCi/g) □ Soil Sample Location
 Total U (pCi/g) □ Survey Unit

Forest
 Open
 Water
 Road
 Building

0 35 70 Feet

Prepared by BRP Checked by HTD

Sample Results
 Building 5 Complex
 Survey Unit CE-FSS-05-02

Final Status Survey
 CE Windsor Site
 Windsor, Connecticut

MACTEC

Survey Unit CE-FSS-05-02

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-05-057	1.05E-01	1.04E-01	2.82E-01	U	3.39E-01	1.53E-01	3.30E-01	U	10.5	0.040
SS-FSS-05-058	-7.17E-03	1.09E-01	2.32E-01	U	5.52E-02	1.76E-01	3.30E-01	U	1.7	0.002
SS-FSS-05-059	-4.33E-02	1.86E-01	2.84E-01	U	8.44E-02	1.51E-01	2.89E-01	U	2.6	-0.004
SS-FSS-05-060	1.17E-01	1.22E-01	3.25E-01	U	7.89E-02	1.73E-01	3.31E-01	U	2.4	0.028
SS-FSS-05-061	-1.04E-01	2.25E-01	2.53E-01	U	1.47E-01	1.62E-01	3.24E-01	U	4.6	-0.013
SS-FSS-05-062	9.82E-02	1.39E-01	3.14E-01	U	2.83E-02	1.47E-01	2.76E-01	U	0.9	0.021
SS-FSS-05-063	9.86E-02	1.12E-01	2.95E-01	U	1.08E-01	1.43E-01	2.79E-01	U	3.3	0.026
SS-FSS-05-064	3.34E-02	1.13E-01	2.63E-01	U	1.61E-01	1.52E-01	3.02E-01	U	5.0	0.016
SS-FSS-05-065	-7.06E-02	1.29E-01	2.14E-01	U	1.91E-01	1.62E-01	3.23E-01	U	5.9	-0.003
SS-FSS-05-066	5.27E-02	1.17E-01	2.79E-01	U	2.78E-02	1.35E-01	2.51E-01	U	0.9	0.012
SS-FSS-05-067	-2.52E-02	1.20E-01	1.52E-01	U	6.59E-02	1.42E-01	2.75E-01	U	2.0	-0.001
SS-FSS-05-068	6.71E-02	1.59E-01	3.36E-01	U	2.59E-02	1.48E-01	2.79E-01	U	0.8	0.015
SS-FSS-05-068-D	-7.64E-02	1.29E-01	1.45E-01	U	-3.67E-02	1.42E-01	2.56E-01	U	-1.1	-0.017
SS-FSS-05-068-A	-4.65E-03				-5.40E-03				-0.2	-0.001
SS-FSS-05-069	3.08E-02	1.04E-01	2.42E-01	U	-1.28E-02	1.32E-01	2.41E-01	U	-0.4	0.005
SS-FSS-05-070	3.55E-02	1.19E-01	2.79E-01	U	1.91E-01	1.44E-01	3.00E-01	U	5.9	0.018

Survey Unit CE-FSS-05-02

One-Minute Static Field Measurement Results

Sample ID	Static Count Rate (cpm)	Ambient Background (cpm)	Net (cpm)	pCi/g
SS-FSS-05-057	3284	3600	-316	-1.1
SS-FSS-05-058	3551	3600	-49	-0.2
SS-FSS-05-059	3466	3600	-134	-0.4
SS-FSS-05-060	3753	3600	153	0.5
SS-FSS-05-061	3327	3600	-273	-0.9
SS-FSS-05-062	3514	3600	-86	-0.3
SS-FSS-05-063	2956	3600	-644	-2.1
SS-FSS-05-064	3508	3600	-92	-0.3
SS-FSS-05-065	3624	3600	24	0.1
SS-FSS-05-066	3227	3600	-373	-1.2
SS-FSS-05-067	3454	3600	-146	-0.5
SS-FSS-05-068	4069	3600	469	1.6
SS-FSS-05-069	3707	3600	107	0.4
SS-FSS-05-070	3529	3600	-71	-0.2

Survey Unit CE-FSS-05-02

Final Status Survey Sample GPS Coordinates

Sample ID	X Coord	Y Coord
SS-FSS-05-057	608557.343000000000	381409.659000000000
SS-FSS-05-058	608603.014000000000	381431.070000000000
SS-FSS-05-059	608694.597000000000	381467.127000000000
SS-FSS-05-060	608728.289000000000	381481.148000000000
SS-FSS-05-061	608758.940000000000	381485.420000000000
SS-FSS-05-062	608679.030000000000	381562.210000000000
SS-FSS-05-063	608722.910000000000	381600.250000000000
SS-FSS-05-064	608686.340000000000	381663.650000000000
SS-FSS-05-065	608640.630000000000	381629.840000000000
SS-FSS-05-066	608708.280000000000	381701.700000000000
SS-FSS-05-067	608664.400000000000	381714.380000000000
SS-FSS-05-068	608576.640000000000	381695.360000000000
SS-FSS-05-069	608494.360000000000	381686.900000000000
SS-FSS-05-070	608401.120000000000	381657.310000000000

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Summary Section of 05-02 Co-60

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	2.259143E-02	0.0687353	1.837028E-02	-0.104	0.117	0.221

Counts Section of 05-02 Co-60

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
20	14	6	14	0.31628	6.856426E-02	6.141904E-02

Means Section of 05-02 Co-60

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	2.259143E-02	0.0321	6.236809E-02	-4.775996E-02	0.31628	
Std Error	1.837028E-02				0.2571839	
95% LCL	-1.709515E-02	-0.0433	3.855557E-02	4.993409E-02	-0.2393322	
95% UCL	6.227801E-02	0.0982	0.1008876	-1.615444E-02	0.8718922	
T-Value	1.2298					
Prob Level	0.240571					
Count	14		8	14		

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

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

Variation Section of 05-02 Co-60

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	4.724542E-03	0.0687353	7.006861E-02	1.837028E-02	0.128025	0.221
Std Error	1.288719E-03	1.325756E-02		3.543231E-03		
95% LCL	2.483022E-03	4.982993E-02		1.331761E-02		
95% UCL	1.226235E-02	0.1107355		0.0295953		

Skewness and Kurtosis Section of 05-02 Co-60

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	-0.2399401	2.041658	-0.2697474	-0.8248231	3.042539	1.701202
Std Error	0.3607824	0.4354243			2.514169	

Trimmed Section of 05-02 Co-60

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	2.437937E-02	0.02585	2.687245E-02	2.529714E-02	0.023715	0.0321
Trim-Std Dev	0.0615335	5.438734E-02	4.745016E-02	0.0337498	1.989706E-02	2.432077E-03
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of 05-02 Co-60

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	5.578122E-02	5.460857E-02	4.387075E-03	-6.972128E-05	3.929462E-05
Std Error	0.0110248		1.196668E-03	1.096672E-04	1.628967E-05

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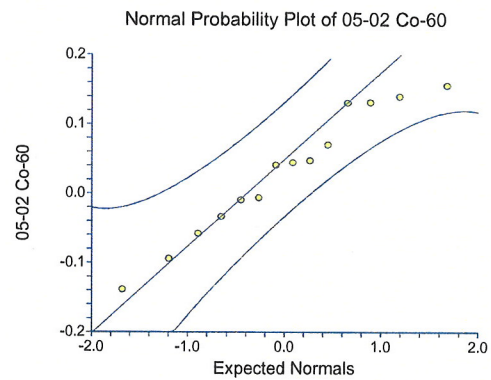
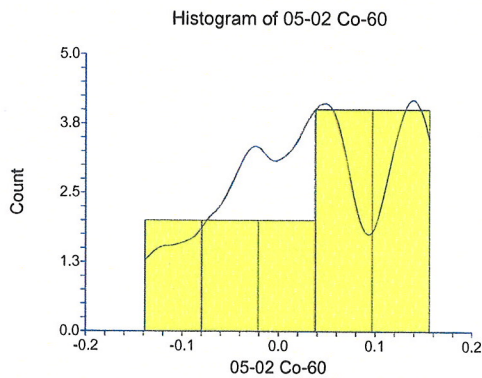
Quartile Section of 05-02 Co-60

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-0.0873	-0.029725	0.0321	0.0983	0.111
95% LCL		-0.104	-0.0433	0.0308	
95% UCL		0.0334	0.0982	0.117	

Normality Test Section of 05-02 Co-60

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9523364	0.597535			Can't reject normality
Anderson-Darling	0.2608008	0.708751			Can't reject normality
Martinez-Iglewicz	1.025311		1.305415	1.57245	Can't reject normality
Kolmogorov-Smirnov	8.479705E-02		0.208	0.226	Can't reject normality
D'Agostino Skewness	-0.4747	0.634985	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	-0.7127	0.476007	1.645	1.960	Can't reject normality
D'Agostino Omnibus	0.7334	0.693032	4.605	5.991	Can't reject normality

Plots Section of 05-02 Co-60



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Percentile Section of 05-02 Co-60

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.117			
95.0	0.117			
90.0	0.111			
85.0	0.1034			
80.0	0.0986	0.0308	0.117	95.3622
75.0	0.0983	0.0308	0.117	97.1873
70.0	0.07545	0.0308	0.117	96.1749
65.0	0.0484	-0.00465	0.105	95.5137
60.0	0.0355	-0.00717	0.105	97.4393
55.0	0.033925	-0.0252	0.0986	97.1563
50.0	0.0321	-0.0433	0.0982	96.4844
45.0	0.0219375	-0.0433	0.0982	97.1563
40.0	-0.00465	-0.0706	0.0527	97.4393
35.0	-0.00654	-0.0706	0.0355	95.5137
30.0	-0.016185	-0.104	0.0334	96.1749
25.0	-0.029725	-0.104	0.0334	97.1873
20.0	-0.0433	-0.104	0.0334	95.3622
15.0	-0.063775			
10.0	-0.0873			
5.0	-0.104			
1.0	-0.104			

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

Stem-Leaf Plot Section of 05-02 Co-60

Depth	Stem	Leaves
1	-1*	0
2	.	7
6	-0*	4200
(3)	0*	333
5	.	599
2	1*	01

Unit = .01 Example: 1 |2 Represents 0.12

Descriptive Statistics Report

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Summary Section of 05-02 Total U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	3.221429	2.946492	0.787483	-0.4	10.5	10.9

Counts Section of 05-02 Total U

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
20	14	6	12	45.1	258.15	112.8636

Means Section of 05-02 Total U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	3.221429	2.5	2.972969	-6.267859	45.1	
Std Error	0.787483				11.02476	
95% LCL	1.520175	0.9	1.831631	1.27975	21.28245	
95% UCL	4.922682	5	4.825502	-0.9086856	68.91755	
T-Value	4.0908					
Prob Level	0.001275					
Count	14		12	14		

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

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

Variation Section of 05-02 Total U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	8.681813	2.946492	3.003647	0.787483	4.325	10.9
Std Error	3.759509	0.9022169		0.2411276		
95% LCL	4.562798	2.136071		0.5708889		
95% UCL	22.53328	4.746923		1.268669		

Skewness and Kurtosis Section of 05-02 Total U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	0.978545	3.625243	1.100108	1.514563	0.9146537	0.8714285
Std Error	0.3999521	1.18399			0.1846658	

Trimmed Section of 05-02 Total U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	3.018254	2.921429	2.920408	2.792857	2.602381	2.5
Trim-Std Dev	2.386723	1.935501	1.71046	1.275712	0.6545457	0.1870829
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of 05-02 Total U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	2.267347	2.178571	8.061684	22.39853	235.6072
Std Error	0.4726028		3.490973	16.45924	152.6849

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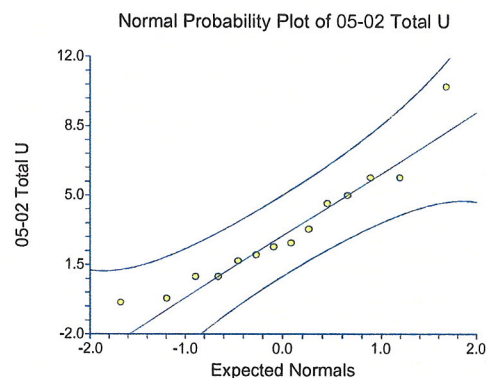
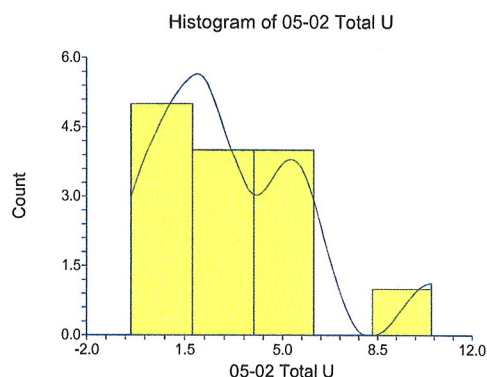
Quartile Section of 05-02 Total U

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-0.3	0.9	2.5	5.225	8.2
95% LCL		-0.4	0.9	2.4	
95% UCL		2.6	5	10.5	

Normality Test Section of 05-02 Total U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9172617	0.200789			Can't reject normality
Anderson-Darling	0.3933808	0.375638			Can't reject normality
Martinez-Iglewicz	1.250929		1.305415	1.57245	Can't reject normality
Kolmogorov-Smirnov	0.1549477		0.208	0.226	Can't reject normality
D'Agostino Skewness	1.8329	0.066823	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	1.3155	0.188342	1.645	1.960	Can't reject normality
D'Agostino Omnibus	5.0899	0.078476	4.605	5.991	Can't reject normality

Plots Section of 05-02 Total U



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Percentile Section of 05-02 Total U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	10.5			
95.0	10.5			
90.0	8.2			
85.0	5.9			
80.0	5.9	2.4	10.5	95.3622
75.0	5.225	2.4	10.5	97.1873
70.0	4.8	2.4	10.5	96.1749
65.0	4.275	2	5.9	95.5137
60.0	3.3	1.7	5.9	97.4393
55.0	2.775	0.9	5.9	97.1563
50.0	2.5	0.9	5	96.4844
45.0	2.3	0.9	5	97.1563
40.0	2	-0.2	4.6	97.4393
35.0	1.775	-0.2	3.3	95.5137
30.0	1.3	-0.4	2.6	96.1749
25.0	0.9	-0.4	2.6	97.1873
20.0	0.9	-0.4	2.6	95.3622
15.0	0.075			
10.0	-0.3			
5.0	-0.4			
1.0	-0.4			

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

Stem-Leaf Plot Section of 05-02 Total U

Depth	Stem	Leaves
5	0*	00001
(4)	T	2223
5	F	4555
1	S	
1	.	
1	1*	0

Unit = 1 Example: 1 |2 Represents 12

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Summary Section of 05-02 SOF

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	1.042857E-02	1.500623E-02	4.010582E-03	-0.013	0.04	0.053

Counts Section of 05-02 SOF

Rows	Sum of Frequencies	Sum of Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
20	14	6	13	0.146	0.00445	2.927429E-03

Means Section of 05-02 SOF

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.042857E-02	0.0085	1.403526E-02	-8.684472E-03	0.146	-0.001
Std Error	4.010582E-03				5.614816E-02	
95% LCL	1.764235E-03	-0.003	6.809867E-03	7.818854E-03	2.469928E-02	
95% UCL	1.909291E-02	0.021	2.892693E-02	-2.791798E-03	0.2673007	
T-Value	2.6003					
Prob Level	0.021995					
Count	14		9	14		2

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

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

Variation Section of 05-02 SOF

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	2.251868E-04	1.500623E-02	1.529731E-02	4.010582E-03	0.02375	0.053
Std Error	6.619914E-05	3.119363E-03		8.336848E-04		
95% LCL	1.183488E-04	1.087882E-02		2.907488E-03		
95% UCL	5.844628E-04	2.417567E-02		6.461218E-03		

Skewness and Kurtosis Section of 05-02 SOF

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient % UCL
Value	0.3501648	2.209893	0.3936651	-0.576295	1.438953	1.478992
Std Error	0.4185755	0.4642934			0.5072355	

Trimmed Section of 05-02 SOF

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.0100873	9.767857E-03	9.459184E-03	8.857143E-03	8.738095E-03	0.0085
Trim-Std Dev	1.289749E-02	1.125635E-02	1.031126E-02	8.424737E-03	6.63353E-03	0.0065479
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of 05-02 SOF

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	1.257143E-02	1.257143E-02	2.09102E-04	1.05879E-06	9.66246E-08
Std Error	2.406925E-03		6.147063E-05	1.31364E-06	4.903259E-08

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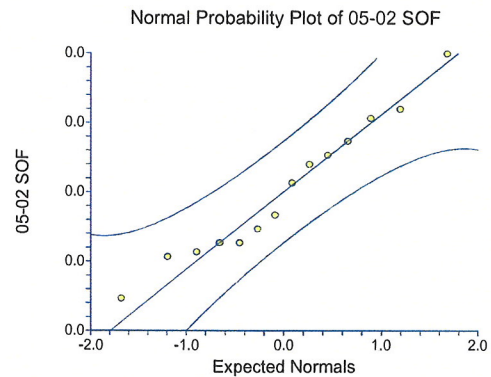
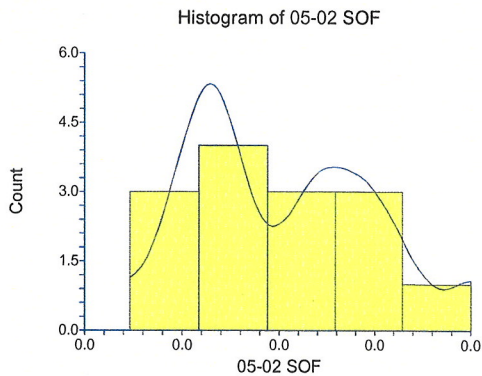
Quartile Section of 05-02 SOF

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	-0.0085	-0.0015	0.0085	0.02225	0.034
95% LCL		-0.013	-0.003	0.005	
95% UCL		0.012	0.021	0.04	

Normality Test Section of 05-02 SOF

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9626786	0.766852			Can't reject normality
Anderson-Darling	0.2771358	0.653956			Can't reject normality
Martinez-Iglewicz	1.00805		1.305415	1.57245	Can't reject normality
Kolmogorov-Smirnov	0.1414015		0.208	0.226	Can't reject normality
D'Agostino Skewness	0.6897	0.490354	1.645	1.960	Can't reject normality
D'Agostino Kurtosis	-0.3906	0.696101	1.645	1.960	Can't reject normality
D'Agostino Omnibus	0.6283	0.730406	4.605	5.991	Can't reject normality

Plots Section of 05-02 SOF



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Percentile Section of 05-02 SOF

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99.0	0.04			
95.0	0.04			
90.0	0.034			
85.0	0.0275			
80.0	0.026	0.005	0.04	95.3622
75.0	0.02225	0.005	0.04	97.1873
70.0	0.0195	0.005	0.04	96.1749
65.0	0.0175	0.002	0.028	95.5137
60.0	0.016	-0.001	0.028	97.4393
55.0	0.013	-0.001	0.026	97.1563
50.0	0.0085	-0.003	0.021	96.4844
45.0	0.00425	-0.003	0.021	97.1563
40.0	0.002	-0.004	0.018	97.4393
35.0	-0.00025	-0.004	0.016	95.5137
30.0	-0.001	-0.013	0.012	96.1749
25.0	-0.0015	-0.013	0.012	97.1873
20.0	-0.003	-0.013	0.012	95.3622
15.0	-0.00375			
10.0	-0.0085			
5.0	-0.013			
1.0	-0.013			

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

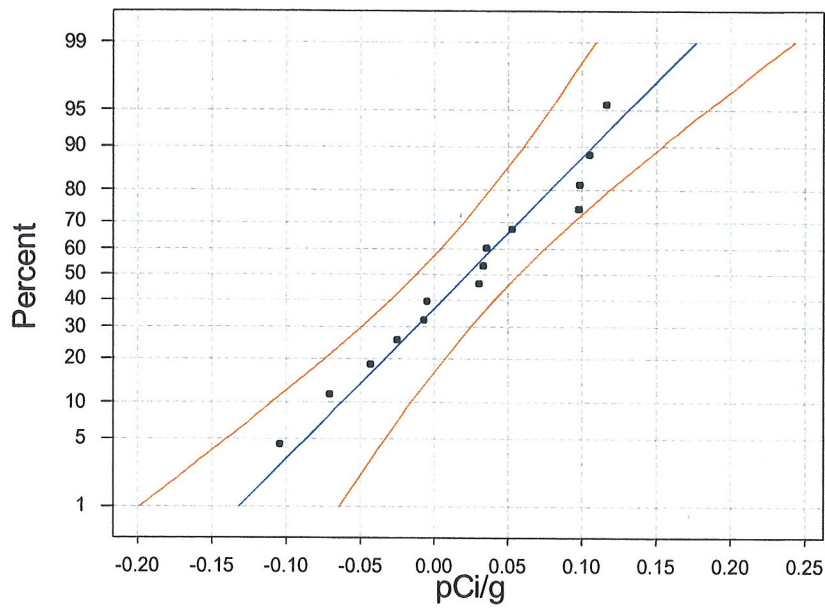
Stem-Leaf Plot Section of 05-02 SOF

Depth	Stem	Leaves
1	-1	3
5	-0	4311
7	0	25
7	1	268
4	2	168
1	3	
1	4	0

Unit = .001 Example: 1 |2 Represents 0.012

Normal Probability Plot for 5-02 Co-60

ML Estimates - 95% CI



ML Estimates

Mean 0.0225914

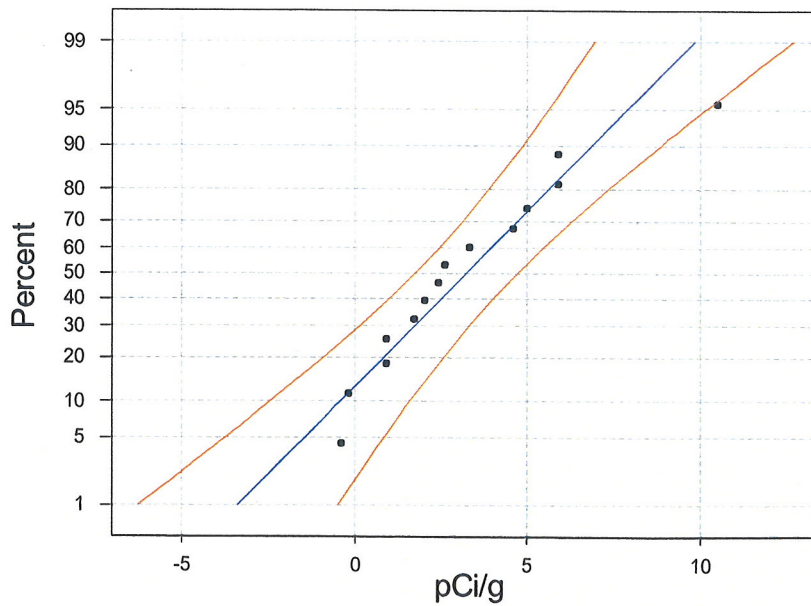
StDev 0.0662350

Goodness of Fit

AD* 1.014

Normal Probability Plot for 5-02 Total U

ML Estimates - 95% CI



ML Estimates

Mean 3.22143

StDev 2.83931

Goodness of Fit

AD* 1.124

Descriptive Statistics

Variable: 5-02 SOF

Anderson-Darling Normality Test

A-Squared: 0.274
P-Value: 0.607

Mean 1.04E-02
StDev 1.50E-02
Variance 2.25E-04
Skewness 0.393665
Kurtosis -5.8E-01
N 14

Minimum -1.3E-02
1st Quartile -1.5E-03
Median 8.50E-03
3rd Quartile 2.23E-02
Maximum 4.00E-02

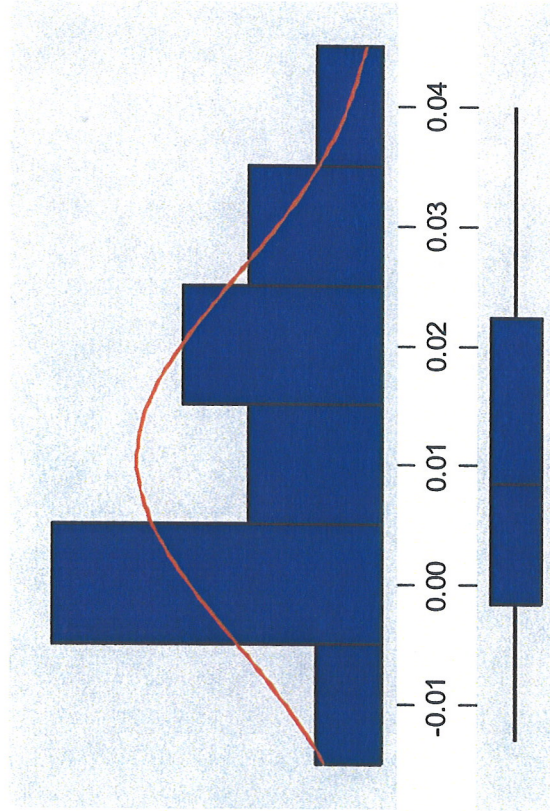
95% Confidence Interval for Mu
1.76E-03 1.91E-02

95% Confidence Interval for Sigma

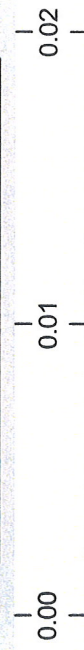
1.09E-02 2.42E-02

95% Confidence Interval for Median

-1.1E-03 2.13E-02



95% Confidence Interval for Mu



95% Confidence Interval for Median



One-Sample T-Test Report

Page 1
Variable 05-02 SOF

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
05-02 SOF	14	1.042857E-02	1.500623E-02	4.010582E-03	1.764235E-03	1.909291E-02

T for Confidence Limits = 2.1604

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality	0.6897	0.490354	Cannot reject normality
Kurtosis Normality	-0.3906	0.696101	Cannot reject normality
Omnibus Normality	0.6283	0.730406	Cannot reject normality
Correlation Coefficient			

T-Test For Difference Between Mean and Value Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
05-02 SOF<>1	-246.7401	0.000000	Reject Ho	1.000000	1.000000
05-02 SOF<1	-246.7401	0.000000	Reject Ho	1.000000	1.000000
05-02 SOF>1	-246.7401	1.000000	Accept Ho	0.000000	0.000000

Nonparametric Tests Section

Quantile (Sign) Test

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

Wilcoxon Signed-Rank Test for Difference in Medians

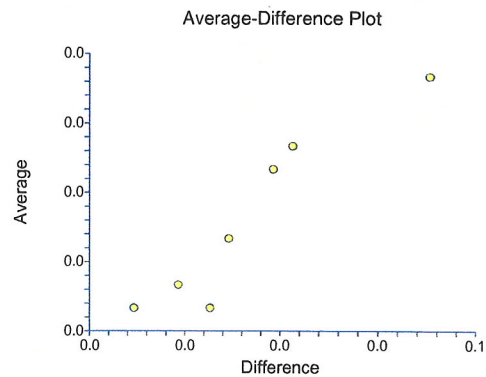
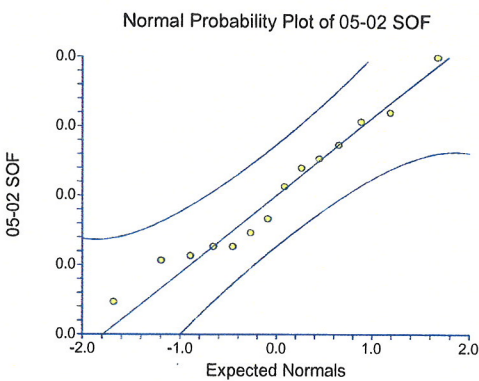
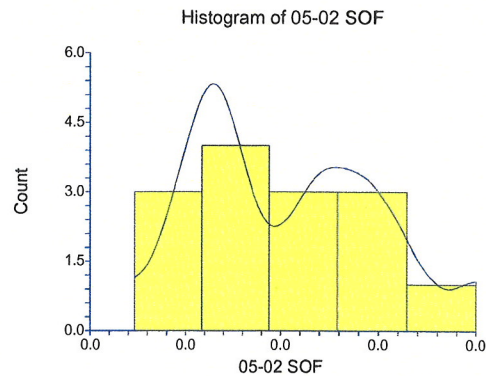
W	Mean of W	Std Dev of W	Number of Zeros	Number Sets of Ties	Multiplicity Factor
0	52.5	15.92561	0	1	6

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			3.2966	0.000979	Reject Ho	3.2652	0.001094	Reject Ho
Median<1			-3.2966	0.000489	Reject Ho	-3.2652	0.000547	Reject Ho
Median>1			-3.2966	0.999511	Accept Ho	-3.3280	0.999563	Accept Ho

One-Sample T-Test Report

Page 2
Variable 05-02 SOF

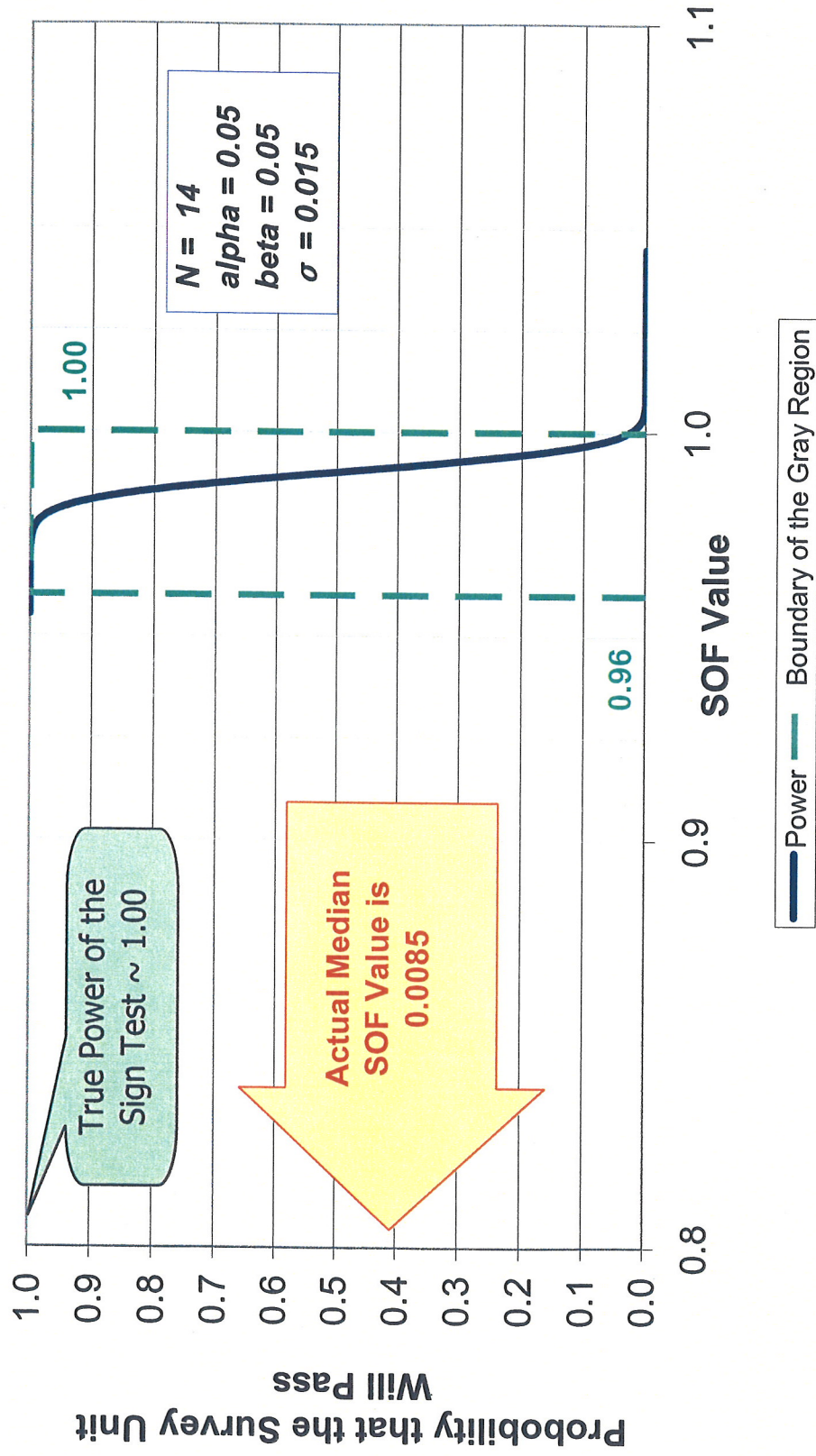
Plots Section



Retrospective Power of the Sign Test

Surface Soil Volumetric Measurements SOF Values

Survey Unit CE-FSS-05-02



RADIOLOG. SURVEY MAP.

[illegible]



CHAIN OF CUSTODY FORM

Page 1 of 1

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

Sample ID No.	Date Collected	Time	Type ¹	Media	Volume	Description if necessary	Analysis
SS-FSS-05-057-00	5/18/2005	1343	Rad	Soil	1 Pint		
SS-FSS-05-058-00	5/18/2005	1351	Rad	Soil	1 Pint		
SS-FSS-05-059-00	5/18/2005	1359	Rad	Soil	1 Pint		
SS-FSS-05-060-00	5/18/2005	1407	Rad	Soil	1 Pint		
SS-FSS-05-061-00	5/18/2005	1404	Rad	Soil	1 Pint		
SS-FSS-05-062-00	5/18/2005	1413	Rad	Soil	1 Pint		
SS-FSS-05-063-00	5/18/2005	1418	Rad	Soil	1 Pint		
SS-FSS-05-064-00	5/18/2005	1432	Rad	Soil	1 Pint		
SS-FSS-05-065-00	5/18/2005	1426	Rad	Soil	1 Pint		
SS-FSS-05-066-00	5/18/2005	1436	Rad	Soil	1 Pint		
SS-FSS-05-067-00	5/18/2005	1441	Rad	Soil	1 Pint		
SS-FSS-05-068-00	5/18/2005	1448	Rad	Soil	1 Pint		
SS-FSS-05-069-00	5/18/2005	1448	Rad	Soil	1 Pint		
SS-FSS-05-070-00	5/18/2005	1454	Rad	Soil	1 Pint		
SS-FSS-05-070-00	5/18/2005	1500	Rad	Soil	1 Pint		
Relinquished By: <i>Jeff Woodruff</i>							
Signed/Date/Time: <i>Jeff Woodruff 5/18/05 1350</i>							Type
Received By: <i>Steven Kapetan</i>							RS-Radioactive
Signed/Date/Time: <i>Steven Kapetan 5/18/05 1350</i>							Chem-Chemical
Relinquished By:							Mix-Rad+Chemical
Signed/Date/Time:							Chem-Chemical
Signed/Date/Time:							Mix-Rad+Chemical

 **** CERTIFICATE OF ANALYSIS ****

Site Location: CE Windsor
 Sample ID: SS FSS 05 057 00
 Sample Title: SS FSS 05 057 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.524E+002 g
 Sample Taken On: 5/18/2005 1:43:00 PM
 Acquisition Started: 5/24/2005 1:03:14 PM
 Live Time: 600.0 seconds
 Real Time: 600.8 seconds
 Dead Time: 0.13 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.82E+001	1.42E+001	2.36E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	-5.70E-002	1.03E-001	1.74E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	2.19E-002	1.03E-001	1.81E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	1.05E-001	1.04E-001	2.82E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	-1.73E-001	2.18E-001	3.30E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	-5.28E-002	1.07E-001	1.91E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	1.02E-001	2.16E-001	4.52E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	-4.56E-002	9.02E-002	1.61E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	9.19E-002	1.36E-001	2.90E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	2.64E-001	1.55E-001	3.53E-001
PB-212	NOT FOUND/DATA	for	238.63 keV	7.23E-001	2.74E-001	5.81E-001
BI-214	8.58E-001	9.27E-001	4.28E-001	FOUND		
PB-214	6.38E-001	2.44E-001	5.29E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	4.70E+000	2.45E+000	5.18E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	1.48E+000	6.55E-001	1.60E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-3.59E+001	4.59E+001	7.30E+001
PA-231	NOT FOUND/DATA	for	300.02 keV	1.15E+000	3.59E+000	6.64E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	1.23E-001	3.83E-001	6.95E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	-6.68E+000	2.36E+001	4.41E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	-1.19E-001	1.91E+000	3.27E+000
U-234	NOT FOUND/DATA	for	53.20 keV	-1.02E+002	3.75E+002	6.76E+002
U-235	NOT FOUND/DATA	for	185.71 keV	3.39E-001	1.53E-001	3.30E-001
U-238	NOT FOUND/DATA	for	92.60 keV	-1.19E-001	1.91E+000	3.27E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	2.29E-001	6.29E-001	1.23E+000

Uncertainty reported at 2.0 sigma

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS FSS 05 059 00
 Sample Title: SS FSS 05 059 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.940E+002 g
 Sample Taken On: 5/18/2005 1:58:00 PM
 Acquisition Started: 5/24/2005 3:04:14 PM
 Live Time: 600.0 seconds
 Real Time: 600.9 seconds
 Dead Time: 0.14 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.00E+001	4.21E+000	3.58E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	-2.16E-002	1.00E-001	1.91E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	2.51E-002	1.05E-001	1.88E-001	
CO-60	NOT FOUND/DATA for	1173.24 keV	-4.33E-002	1.86E-001	2.84E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	0.00E+000	0.00E+000	1.06E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-2.53E-002	1.34E-001	2.33E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	5.38E-002	2.98E-001	5.89E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-8.94E-002	1.14E-001	1.64E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	2.73E-002	1.60E-001	3.09E-001	
TL-208	NOT FOUND/DATA for	583.19 keV	4.08E-001	1.87E-001	4.33E-001	
PB-212	1.34E+000	6.94E-001	5.34E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV	1.10E+000	4.23E-001	9.71E-001	
PB-214	NOT FOUND/DATA for	351.92 keV	5.21E-001	3.43E-001	7.29E-001	
RA-226	NOT FOUND/DATA for	186.10 keV	1.41E+000	2.44E+000	4.76E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	9.80E-001	6.67E-001	1.55E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	2.65E+000	4.63E+001	8.47E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	1.44E+000	4.04E+000	7.43E+000	
PA-234	NOT FOUND/DATA for	883.24 keV	-9.42E-001	1.13E+000	8.04E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-1.91E+000	1.97E+001	4.00E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	1.77E+000	2.01E+000	3.82E+000	
U-234	NOT FOUND/DATA for	53.20 keV	4.62E+001	3.94E+002	7.58E+002	
U-235	NOT FOUND/DATA for	185.71 keV	8.44E-002	1.51E-001	2.89E-001	
U-238	NOT FOUND/DATA for	92.60 keV	1.77E+000	2.01E+000	3.82E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	3.34E-001	7.40E-001	1.47E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS FSS 05 060 00
 Sample Title: SS FSS 05 060 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.663E+002 g
 Sample Taken On: 5/18/2005 2:07:00 PM
 Acquisition Started: 5/24/2005 3:16:10 PM
 Live Time: 600.0 seconds
 Real Time: 600.8 seconds
 Dead Time: 0.14 %
 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	1.86E+001	4.01E+000	2.68E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	-2.63E-002	1.02E-001	2.01E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	7.40E-002	1.22E-001	2.21E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	1.17E-001	1.22E-001	3.25E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	-1.24E-001	3.38E-001	5.77E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	3.14E-002	1.39E-001	2.76E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-4.01E-002	2.85E-001	5.46E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-4.78E-002	1.00E-001	1.58E-001	
CS-137	3.18E-001	1.48E-001	1.58E-001	FOUND		
TL-208	NOT FOUND/DATA for	583.19 keV	3.16E-001	1.77E-001	4.07E-001	
PB-212	NOT FOUND/DATA for	238.63 keV	9.31E-001	3.48E-001	7.24E-001	
BI-214	7.55E-001	3.41E-001	5.50E-001	FOUND		
PB-214	7.50E-001	2.85E-001	5.43E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	7.87E-001	2.81E+000	5.28E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	1.72E+000	7.99E-001	1.90E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	-8.19E+000	4.81E+001	8.57E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	2.28E+000	4.18E+000	7.94E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	8.88E-003	4.26E-001	7.50E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	8.00E-001	1.75E+001	3.84E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	6.94E-001	2.23E+000	3.96E+000	
U-234	NOT FOUND/DATA for	53.20 keV	-3.84E+001	3.97E+002	6.66E+002	
U-235	NOT FOUND/DATA for	185.71 keV	7.89E-002	1.73E-001	3.31E-001	
U-238	NOT FOUND/DATA for	92.60 keV	6.94E-001	2.23E+000	3.96E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	6.47E-003	6.19E-001	1.21E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS FSS 05 061 00
 Sample Title: SS FSS 05 061 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 5.676E+002 g
 Sample Taken On: 5/18/2005 2:04:00 PM
 Acquisition Started: 5/24/2005 1:36:45 PM
 Live Time: 600.0 seconds
 Real Time: 600.9 seconds
 Dead Time: 0.14 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.34E+001	1.72E+001	1.82E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	6.15E-002	1.42E-001	3.02E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	5.35E-002	1.08E-001	1.99E-001
CO-60	NOT FOUND/DATA	for	1173.24 keV	-1.04E-001	2.25E-001	2.53E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	1.05E-001	3.11E-001	6.48E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	-1.82E-001	1.83E-001	1.36E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	-1.47E-001	3.42E-001	6.16E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	-9.66E-002	1.19E-001	1.85E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	2.92E-001	1.51E-001	3.78E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	2.57E-001	1.71E-001	3.86E-001
PB-212	NOT FOUND/DATA	for	238.63 keV	7.29E-001	2.79E-001	6.07E-001
BI-214	7.69E-001	3.38E-001	4.96E-001	FOUND		
PB-214	3.72E-001	2.48E-001	5.23E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	2.54E+000	2.65E+000	5.33E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	7.07E-001	6.49E-001	1.48E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-1.09E+001	4.51E+001	8.06E+001
PA-231	NOT FOUND/DATA	for	300.02 keV	1.04E+000	3.76E+000	7.01E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	7.36E-004	4.46E-001	7.79E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	-6.12E+000	1.83E+001	3.44E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	1.76E+000	2.22E+000	4.14E+000
U-234	NOT FOUND/DATA	for	53.20 keV	9.21E+001	3.84E+002	7.59E+002
U-235	NOT FOUND/DATA	for	185.71 keV	1.47E-001	1.62E-001	3.24E-001
U-238	NOT FOUND/DATA	for	92.60 keV	1.76E+000	2.22E+000	4.14E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	-2.03E-001	6.40E-001	1.13E+000

Uncertainty reported at 2.0 sigma

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Site Location:          CE Windsor
Sample ID:              SS FSS 05 062 00
Sample Title:          SS FSS 05 062 00
Detector Name:         30%HPGE
Nuclide Library Used:  C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:           6.593E+002 g
Sample Taken On:       5/18/2005    2:13:00 PM
Acquisition Started:   5/24/2005    1:47:17 PM
Live Time:             600.0 seconds
Real Time:             600.9 seconds
Dead Time:             0.15 %
Efficiency ID:         srs035

```

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide	Activity	Nuclide	Line	Line Act	Line
	Activity	Uncert.	MDA	Activity	Uncert.	MDA
	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)	(pCi/g)
K-40	2.49E+001	4.36E+000	2.47E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	4.10E-003	8.27E-002	1.72E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	2.48E-002	9.32E-002	1.67E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	9.82E-002	1.39E-001	3.14E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	-2.42E-002	2.50E-001	4.96E-001
AG-110m	NOT FOUND/DATA	for	657.76 keV	1.11E-002	9.96E-002	1.78E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	8.41E-002	2.66E-001	5.49E-001
CS-134	NOT FOUND/DATA	for	604.70 keV	-8.85E-003	1.09E-001	1.96E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	3.08E-002	1.16E-001	2.31E-001
TL-208	3.81E-001	1.51E-001	2.25E-001	FOUND		
PB-212	1.24E+000	5.95E-001	5.19E-001	FOUND		
BI-214	NOT FOUND/DATA	for	609.31 keV	8.67E-001	3.64E-001	8.34E-001
PB-214	8.94E-001	8.50E-001	5.05E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	1.83E+000	2.38E+000	4.68E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	9.68E-001	5.48E-001	1.34E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	3.71E+001	4.46E+001	8.95E+001
PA-231	NOT FOUND/DATA	for	300.02 keV	-3.12E-001	3.30E+000	5.75E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	2.19E-001	3.57E-001	6.62E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	6.65E+000	2.42E+001	4.98E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	8.11E-001	1.92E+000	3.47E+000
U-234	NOT FOUND/DATA	for	53.20 keV	-1.24E+000	3.89E+002	7.11E+002
U-235	NOT FOUND/DATA	for	185.71 keV	2.83E-002	1.47E-001	2.76E-001
U-238	NOT FOUND/DATA	for	92.60 keV	8.11E-001	1.92E+000	3.47E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	-4.15E-001	6.43E-001	1.10E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS FSS 05 063 00
 Sample Title: SS FSS 05 063 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.230E+002 g
 Sample Taken On: 5/18/2005 2:18:00 PM
 Acquisition Started: 5/24/2005 2:30:14 PM
 Live Time: 600.0 seconds
 Real Time: 600.7 seconds
 Dead Time: 0.12 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Nuclide Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.37E+001	7.98E+000	3.43E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.09E-002	1.15E-001	2.41E-001
CO-57	NOT FOUND/DATA for	122.06 keV		7.84E-002	1.06E-001	1.97E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		9.86E-002	1.12E-001	2.95E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.66E-002	2.71E-001	5.59E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-8.19E-002	1.09E-001	1.75E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-8.08E-002	3.09E-001	5.41E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.96E-002	1.24E-001	1.79E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.12E-001	1.42E-001	3.37E-001
TL-208	3.77E-001	1.53E-001	2.26E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		9.98E-001	3.13E-001	6.67E-001
BI-214	7.25E-001	1.16E+000	4.49E-001	FOUND		
PB-214	8.01E-001	2.93E-001	4.46E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.47E+000	2.42E+000	4.70E+000
AC-228	NOT FOUND/DATA for	968.97 keV		-2.54E-001	7.77E-001	1.46E+000
TH-230	NOT FOUND/DATA for	67.67 keV		6.45E+000	4.30E+001	8.21E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.70E-001	3.63E+000	6.08E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.46E-001	4.20E-001	7.54E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.36E+000	2.35E+001	4.85E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.28E-001	1.88E+000	3.43E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.67E+002	4.39E+002	7.53E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.08E-001	1.43E-001	2.79E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.28E-001	1.88E+000	3.43E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.58E-001	7.77E-001	1.20E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS FSS 05 064 00
 Sample Title: SS FSS 05 064 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.514E+002 g
 Sample Taken On: 5/18/2005 2:32:00 PM
 Acquisition Started: 5/24/2005 3:29:08 PM
 Live Time: 600.0 seconds
 Real Time: 600.8 seconds
 Dead Time: 0.14 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.40E+001	4.28E+000	3.74E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	2.84E-002	9.63E-002	2.05E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	-4.34E-002	1.03E-001	1.65E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	3.34E-002	1.13E-001	2.63E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	3.34E-003	3.23E-001	4.27E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-5.83E-002	9.10E-002	1.53E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-1.07E-001	2.44E-001	4.28E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-3.72E-002	1.15E-001	1.99E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	5.68E-002	1.22E-001	2.54E-001	
TL-208	2.59E-001	6.43E-002	2.20E-001	FOUND		
PB-212	7.18E-001	2.44E-001	4.68E-001	FOUND		
BI-214	1.07E+000	3.33E-001	4.30E-001	FOUND		
PB-214	8.77E-001	1.01E+000	4.52E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	2.17E+000	2.38E+000	4.64E+000	
AC-228	9.53E-001	4.91E-001	8.34E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV	1.04E+001	4.15E+001	7.86E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	3.86E+000	4.47E+000	8.14E+000	
PA-234	NOT FOUND/DATA for	131.20 keV	-6.94E-002	4.24E-001	7.16E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-4.35E-001	2.27E+001	4.41E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	1.11E+000	2.04E+000	3.70E+000	
U-234	NOT FOUND/DATA for	53.20 keV	-7.19E+000	3.55E+002	6.61E+002	
U-235	NOT FOUND/DATA for	185.71 keV	1.61E-001	1.52E-001	3.02E-001	
U-238	NOT FOUND/DATA for	92.60 keV	1.11E+000	2.04E+000	3.70E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	5.80E-001	7.88E-001	1.54E+000	

Uncertainty reported at 2.0 sigma

 **** CERTIFICATE OF ANALYSIS ****

Site Location: CE Windsor
 Sample ID: SS FSS 05 065 00
 Sample Title: SS FSS 05 065 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.576E+002 g
 Sample Taken On: 5/18/2005 2:26:00 PM
 Acquisition Started: 5/24/2005 1:26:11 PM
 Live Time: 600.0 seconds
 Real Time: 600.8 seconds
 Dead Time: 0.14 %
 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	2.45E+001	1.63E+001	3.05E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	2.37E-002	1.29E-001	2.61E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	-1.30E-001	1.06E-001	1.57E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	-7.06E-002	1.29E-001	2.14E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	2.20E-002	3.35E-001	5.87E-001	
AG-110m	NOT FOUND/DATA for	884.68 keV	-1.39E-002	1.06E-001	2.24E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	6.33E-002	2.64E-001	5.12E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-8.59E-002	1.12E-001	1.88E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	-5.55E-002	1.28E-001	2.31E-001	
TL-208	NOT FOUND/DATA for	583.19 keV	3.93E-001	1.83E-001	4.14E-001	
PB-212	NOT FOUND/DATA for	238.63 keV	1.02E+000	3.03E-001	6.46E-001	
BI-214	1.11E+000	1.13E+000	5.44E-001	FOUND		
PB-214	8.69E-001	2.51E-001	4.68E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	2.96E+000	2.63E+000	5.22E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	9.64E-001	6.68E-001	1.51E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	-1.82E+001	3.72E+001	6.65E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	2.97E+000	4.12E+000	7.53E+000	
PA-234	NOT FOUND/DATA for	131.20 keV	-5.59E-001	5.39E-001	6.10E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	7.36E+000	2.39E+001	5.00E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	5.95E-001	1.89E+000	3.35E+000	
U-234	NOT FOUND/DATA for	53.20 keV	1.02E+002	3.95E+002	7.66E+002	
U-235	NOT FOUND/DATA for	185.71 keV	1.91E-001	1.62E-001	3.23E-001	
U-238	NOT FOUND/DATA for	92.60 keV	5.95E-001	1.89E+000	3.35E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-9.09E-001	7.18E-001	1.05E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS FSS 05 066 00
 Sample Title: SS FSS 05 066 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.607E+002 g
 Sample Taken On: 5/18/2005 2:36:00 PM
 Acquisition Started: 5/24/2005 1:58:27 PM
 Live Time: 600.0 seconds
 Real Time: 600.8 seconds
 Dead Time: 0.13 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.73E+001	3.59E+000	3.16E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	6.50E-002	1.12E-001	2.49E-001
CO-57	NOT FOUND/DATA for		122.06 keV	6.10E-003	9.90E-002	1.73E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	5.27E-002	1.17E-001	2.79E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	1.80E-001	2.08E-001	5.27E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	-1.08E-003	1.13E-001	2.19E-001
SB-125	NOT FOUND/DATA for		427.89 keV	-3.92E-002	2.93E-001	5.10E-001
CS-134	NOT FOUND/DATA for		795.84 keV	1.31E-003	1.19E-001	2.41E-001
CS-137	NOT FOUND/DATA for		661.66 keV	2.47E-002	1.16E-001	2.41E-001
TL-208	3.77E-001	1.49E-001	2.07E-001	FOUND		
PB-212	NOT FOUND/DATA for		238.63 keV	5.77E-001	2.58E-001	5.41E-001
BI-214	NOT FOUND/DATA for		609.31 keV	6.70E-001	3.42E-001	7.70E-001
PB-214	NOT FOUND/DATA for		351.92 keV	6.56E-001	3.23E-001	7.03E-001
RA-226	NOT FOUND/DATA for		186.10 keV	2.36E+000	2.10E+000	4.33E+000
AC-228	NOT FOUND/DATA for		911.21 keV	7.63E-001	4.34E-001	1.14E+000
TH-230	NOT FOUND/DATA for		67.67 keV	-6.37E-001	4.24E+001	7.62E+001
PA-231	NOT FOUND/DATA for		300.02 keV	3.53E+000	3.67E+000	6.92E+000
PA-234	NOT FOUND/DATA for		98.44 keV	-2.64E-001	4.07E-001	6.43E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	-1.71E+001	2.19E+001	3.29E+001
TH-234	NOT FOUND/DATA for		92.60 keV	6.55E-001	1.85E+000	3.33E+000
U-234	NOT FOUND/DATA for		53.20 keV	1.71E+002	3.07E+002	6.37E+002
U-235	NOT FOUND/DATA for		185.71 keV	2.78E-002	1.35E-001	2.51E-001
U-238	NOT FOUND/DATA for		92.60 keV	6.55E-001	1.85E+000	3.33E+000
AM-241	NOT FOUND/DATA for		59.54 keV	1.56E-001	7.01E-001	1.34E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS FSS 05 067 00
 Sample Title: SS FSS 05 067 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.325E+002 g
 Sample Taken On: 5/18/2005 2:41:00 PM
 Acquisition Started: 5/24/2005 2:42:04 PM
 Live Time: 600.0 seconds
 Real Time: 600.8 seconds
 Dead Time: 0.13 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.38E+001	4.21E+000	2.89E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	1.62E-002	1.11E-001	2.25E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	2.77E-002	1.07E-001	1.88E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	-2.52E-002	1.20E-001	1.52E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	3.39E-002	2.23E-001	4.80E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-3.10E-002	9.93E-002	1.58E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	-9.56E-002	3.23E-001	5.72E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-7.09E-002	1.10E-001	1.86E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	-2.06E-003	1.38E-001	2.51E-001	
TL-208	4.05E-001	8.15E-001	1.82E-001	FOUND		
PB-212	1.49E+000	6.82E-001	5.04E-001	FOUND		
BI-214	8.44E-001	3.30E-001	5.55E-001	FOUND		
PB-214	9.71E-001	2.50E-001	5.14E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	2.58E+000	2.28E+000	4.68E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	1.09E+000	5.53E-001	1.40E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	-1.16E+001	3.93E+001	7.08E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	2.40E+000	4.16E+000	7.71E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	-1.11E-001	4.28E-001	7.17E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-9.95E+000	2.08E+001	3.76E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	-9.74E-001	1.95E+000	3.07E+000	
U-234	NOT FOUND/DATA for	53.20 keV	2.72E+002	3.96E+002	7.83E+002	
U-235	NOT FOUND/DATA for	185.71 keV	6.59E-002	1.42E-001	2.75E-001	
U-238	NOT FOUND/DATA for	92.60 keV	-9.74E-001	1.95E+000	3.07E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	1.80E-001	7.06E-001	1.38E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS FSS 05 068 00
 Sample Title: SS FSS 05 068 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.156E+002 g
 Sample Taken On: 5/18/2005 2:48:00 PM
 Acquisition Started: 5/24/2005 3:39:45 PM
 Live Time: 600.0 seconds
 Real Time: 600.8 seconds
 Dead Time: 0.13 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.44E+001	8.11E+000	3.85E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	2.85E-002	1.08E-001	2.31E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	4.69E-002	1.09E-001	1.96E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	6.71E-002	1.59E-001	3.36E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	5.18E-002	1.95E-001	4.52E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-9.64E-002	1.32E-001	1.90E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	1.17E-001	2.42E-001	5.25E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	8.94E-002	1.14E-001	2.50E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	7.33E-002	1.47E-001	3.07E-001	
TL-208	4.29E-001	7.13E-001	2.03E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV	8.82E-001	3.20E-001	6.66E-001	
BI-214	9.74E-001	3.45E-001	4.75E-001	FOUND		
PB-214	1.31E+000	3.63E-001	4.55E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	2.16E+000	2.52E+000	4.96E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	1.27E+000	7.05E-001	1.64E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	1.53E+001	4.25E+001	8.31E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	2.63E+000	4.53E+000	8.04E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	-3.56E-001	4.37E-001	6.70E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	-1.07E+001	1.77E+001	2.73E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	2.71E-001	1.94E+000	3.43E+000	
U-234	NOT FOUND/DATA for	53.20 keV	-3.93E+001	3.76E+002	7.00E+002	
U-235	NOT FOUND/DATA for	185.71 keV	2.59E-002	1.48E-001	2.79E-001	
U-238	NOT FOUND/DATA for	92.60 keV	2.71E-001	1.94E+000	3.43E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	-5.62E-001	7.44E-001	1.25E+000	

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: SS FSS 05 068 00
Sample Title: SS FSS 05 068 00 DUP
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.644E+002 g
Sample Taken On: 5/18/2005 2:48:00 PM
Acquisition Started: 5/24/2005 1:15:24 PM
Live Time: 600.0 seconds
Real Time: 600.8 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.00E+001	4.79E+000	2.77E+000	FOUND		
MN-54	NOT FOUND/DATA	for	834.83 keV	-1.63E-002	6.72E-002	1.32E-001
CO-57	NOT FOUND/DATA	for	122.06 keV	3.26E-002	9.69E-002	1.72E-001
CO-60	NOT FOUND/DATA	for	1332.50 keV	-7.64E-002	1.29E-001	1.45E-001
ZN-65	NOT FOUND/DATA	for	1115.55 keV	7.85E-002	2.61E-001	5.53E-001
AG-110m	NOT FOUND/DATA	for	1384.30 keV	0.00E+000	0.00E+000	2.28E-001
SB-125	NOT FOUND/DATA	for	427.89 keV	2.40E-001	2.81E-001	6.12E-001
CS-134	NOT FOUND/DATA	for	795.84 keV	-1.08E-001	1.38E-001	2.09E-001
CS-137	NOT FOUND/DATA	for	661.66 keV	3.93E-002	1.36E-001	2.76E-001
TL-208	NOT FOUND/DATA	for	583.19 keV	2.70E-001	1.55E-001	3.52E-001
PB-212	1.12E+000	2.72E-001	4.56E-001	FOUND		
BI-214	7.28E-001	9.02E-001	4.25E-001	FOUND		
PB-214	9.39E-001	1.04E+000	4.92E-001	FOUND		
RA-226	NOT FOUND/DATA	for	186.10 keV	1.29E+000	2.26E+000	4.41E+000
AC-228	NOT FOUND/DATA	for	911.21 keV	1.26E+000	6.92E-001	1.59E+000
TH-230	NOT FOUND/DATA	for	67.67 keV	-1.05E+000	4.06E+001	7.57E+001
PA-231	NOT FOUND/DATA	for	300.02 keV	2.81E+000	3.53E+000	6.77E+000
PA-234	NOT FOUND/DATA	for	98.44 keV	1.23E-001	4.23E-001	7.54E-001
PA-234M	NOT FOUND/DATA	for	1001.03 keV	-1.25E+000	1.90E+001	3.85E+001
TH-234	NOT FOUND/DATA	for	92.60 keV	2.28E+000	1.69E+000	3.38E+000
U-234	NOT FOUND/DATA	for	53.20 keV	2.33E+002	3.54E+002	7.19E+002
U-235	NOT FOUND/DATA	for	185.71 keV	-3.67E-002	1.42E-001	2.56E-001
U-238	NOT FOUND/DATA	for	92.60 keV	2.28E+000	1.69E+000	3.38E+000
AM-241	NOT FOUND/DATA	for	59.54 keV	-3.10E-001	6.60E-001	1.13E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS FSS 05 069 00
 Sample Title: SS FSS 05 069 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 7.059E+002 g
 Sample Taken On: 5/18/2005 2:54:00 PM
 Acquisition Started: 5/24/2005 2:09:14 PM
 Live Time: 600.0 seconds
 Real Time: 600.9 seconds
 Dead Time: 0.14 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.34E+001	4.07E+000	2.96E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	-3.35E-002	6.82E-002	1.24E-001
CO-57	NOT FOUND/DATA for		122.06 keV	-2.12E-002	8.85E-002	1.48E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	3.08E-002	1.04E-001	2.42E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-1.42E-001	2.94E-001	5.21E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	1.85E-002	9.40E-002	1.96E-001
SB-125	NOT FOUND/DATA for		427.89 keV	1.39E-001	2.76E-001	5.61E-001
CS-134	NOT FOUND/DATA for		604.70 keV	5.51E-002	1.08E-001	2.24E-001
CS-137	NOT FOUND/DATA for		661.66 keV	3.69E-002	1.13E-001	2.35E-001
TL-208	3.42E-001	1.43E-001	2.14E-001	FOUND		
PB-212	8.68E-001	3.16E-001	4.17E-001	FOUND		
BI-214	9.70E-001	6.61E-001	4.10E-001	FOUND		
PB-214	7.13E-001	3.56E-001	5.23E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	1.60E-001	2.26E+000	4.05E+000
AC-228	NOT FOUND/DATA for		911.21 keV	6.91E-001	5.60E-001	1.28E+000
TH-230	NOT FOUND/DATA for		67.67 keV	2.32E+001	3.87E+001	7.72E+001
PA-231	NOT FOUND/DATA for		300.02 keV	2.08E+000	3.82E+000	7.02E+000
PA-234	NOT FOUND/DATA for		98.44 keV	-1.20E-001	3.74E-001	6.10E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	2.89E+000	1.24E+001	2.76E+001
TH-234	NOT FOUND/DATA for		92.60 keV	8.37E-001	1.98E+000	3.53E+000
U-234	NOT FOUND/DATA for		53.20 keV	-6.53E+001	3.22E+002	5.96E+002
U-235	NOT FOUND/DATA for		185.71 keV	-1.28E-002	1.32E-001	2.41E-001
U-238	NOT FOUND/DATA for		92.60 keV	8.37E-001	1.98E+000	3.53E+000
AM-241	NOT FOUND/DATA for		59.54 keV	4.99E-001	6.29E-001	1.30E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
 Sample ID: SS FSS 05 070 00
 Sample Title: SS FSS 05 070 00
 Detector Name: 30%HPGE
 Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
 Sample Size: 6.134E+002 g
 Sample Taken On: 5/18/2005 3:00:00 PM
 Acquisition Started: 5/24/2005 2:53:20 PM
 Live Time: 600.0 seconds
 Real Time: 600.7 seconds
 Dead Time: 0.12 %
 Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.90E+001	3.73E+000	3.18E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV	-3.08E-003	1.05E-001	2.02E-001	
CO-57	NOT FOUND/DATA for	122.06 keV	9.45E-002	1.09E-001	2.04E-001	
CO-60	NOT FOUND/DATA for	1332.50 keV	3.55E-002	1.19E-001	2.79E-001	
ZN-65	NOT FOUND/DATA for	1115.55 keV	-1.96E-001	3.11E-001	4.54E-001	
AG-110m	NOT FOUND/DATA for	657.76 keV	-3.45E-002	1.03E-001	1.91E-001	
SB-125	NOT FOUND/DATA for	427.89 keV	2.07E-001	3.06E-001	6.45E-001	
CS-134	NOT FOUND/DATA for	604.70 keV	-1.94E-002	8.22E-002	1.59E-001	
CS-137	NOT FOUND/DATA for	661.66 keV	1.13E-001	1.33E-001	2.99E-001	
TL-208	4.10E-001	3.28E-001	2.25E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV	1.18E+000	3.13E-001	6.84E-001	
BI-214	1.14E+000	3.58E-001	4.20E-001	FOUND		
PB-214	6.86E-001	2.86E-001	5.13E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV	3.35E+000	2.48E+000	5.13E+000	
AC-228	NOT FOUND/DATA for	911.21 keV	1.06E+000	6.48E-001	1.53E+000	
TH-230	NOT FOUND/DATA for	67.67 keV	1.13E+001	4.23E+001	8.20E+001	
PA-231	NOT FOUND/DATA for	300.02 keV	5.82E+000	4.59E+000	8.31E+000	
PA-234	NOT FOUND/DATA for	98.44 keV	6.31E-002	4.31E-001	7.57E-001	
PA-234M	NOT FOUND/DATA for	1001.03 keV	3.81E+000	1.92E+001	4.17E+001	
TH-234	NOT FOUND/DATA for	92.60 keV	8.45E-001	2.14E+000	3.83E+000	
U-234	NOT FOUND/DATA for	53.20 keV	-1.67E+002	3.36E+002	5.95E+002	
U-235	NOT FOUND/DATA for	185.71 keV	1.91E-001	1.44E-001	3.00E-001	
U-238	NOT FOUND/DATA for	92.60 keV	8.45E-001	2.14E+000	3.83E+000	
AM-241	NOT FOUND/DATA for	59.54 keV	3.62E-001	7.21E-001	1.45E+000	

Uncertainty reported at 2.0 sigma