APPENDIX M

GAMMA SPECTROSCOPY INSTRUMENTATION DOCUMENTATION

CANBERRA

Rev. 6/15/99

DETECTOR SPECIFICATION AND PERFORMANCE DATA

Specifications

DETECTOR MODEL GC3020 SERIAL NUMBER 9882108

CRYOSTAT MODEL 7500 PREAMPLIFIER MODEL 2002C

The purchase specifications, and therefore the warranted performance, of this detector are as follows:
(Electric cooling may degrade performance by as much as 10%.)

Active Volume _____ cc Relative Efficiency _____ %

Resolution _____ keV (FWHM) at 1.33 MeV

_____ keV (FWTM) at 1.33 MeV

_____ keV (FWHM) at _____

_____ keV (FWTM) at _____

Peak/Compton _____ :1 Cryostat well diameter _____ mm Cryostat well depth _____ mm

Cryostat description (if special) _____

Physical Characteristics

Geometry Closed-end coaxial Active Volume _____ cc

Diameter 58.5 mm Well Depth _____ mm

Length 45.5 mm Well Diameter _____ mm

Distance from window 5 mm

Electrical Characteristics

Depletion voltage (+)2000 V dc

Recommended bias voltage (+)4000 V dc

Test point voltage at recommended bias (-)1.83 V dc (RC preamp only)

Reset interval at recommended bias -- sec. (Reset preamp only)

Capacitance at recommended bias ~20 pF

Resolution and Efficiency

With amp time constant of 6 microseconds

Isotope	^{57}Co	^{60}Co			
Energy (keV)	122	1332			
FWHM (keV)	0.92	1.98			
FWTM (keV)	1.71	3.92			
Peak/Compton		48.7:1			
Rel. Efficiency %		30.3			

Cool Down Time 4 hours. Cryostat Liquid Nitrogen Consumption Rate <1.8 Liters per Day

Tested by: _____ Date: 11/5/99

Approved by: _____ Date: 11/5/99

CANBERRA

Rev. 5/8/97

DETECTOR SPECIFICATION AND PERFORMANCE DATA

Specifications

DETECTOR MODEL 7229P
SERIAL NUMBER 380394
CRYOSTAT MODEL 7500
PREAMPLIFIER MODEL 2001

The purchase specification and therefore the warranted performance of this detector are as follows:
(Electric cooling may degrade performance by as much as 10%.)

Active Volume _____ cc
Relative Efficiency _____ %
Resolution _____ keV (FWHM) at 1.33 MeV
_____ keV (FWTM) at 1.33 MeV
_____ keV (FWHM) at _____
_____ keV (FWTM) at _____

Peak/Compton _____ :1
Cryostat well diameter _____ mm
Cryostat well depth _____ mm

Cryostat description (if special) _____

Physical Characteristics

Geometry Closed-end coaxial
Diameter 51 mm
Length 34.5 mm
Distance from Window 5 mm
Active Volume _____ cc
Well Depth _____ mm
Well Diameter _____ mm

Electrical Characteristics

Depletion voltage (+)3000 Vdc
Recommended bias voltage (+)4000 Vdc
Leakage current at recommended bias 0.03 nA
Preamplifier test point voltage at recommended voltage (-)0.75 Vdc
Capacitance at recommended bias ~ 17 pF

Resolution and Efficiency

With amplifier time constant of 4 microseconds

Isotope	^{57}Co	^{60}Co			
Energy (keV)	122	1332			
FWHM (keV)	0.86	1.81			
FWTM (keV)	1.61	3.36			
Peak/Compton		36.5:1			
Rel. Efficiency %		9.5			

Cool Down Time 4 hours.
Cryostat Liquid Nitrogen Consumption Rate <1.8 Liters per Day.

Tested by: _____ Date: 11/18/98

Approved by: _____ Date: 11/18/98

800 Research Parkway, Meriden, CT USA 06450 • Tel. 203-238-2351/Fax. 203-235-1347

ANALYTICS

1380 Seaboard Industrial Blvd.
Atlanta, Georgia 30318 - U.S.A.

Phone (404) 352-8677
Fax (404) 352-2837

CERTIFICATE OF CALIBRATION

Standard Radionuclide Source

68343-693

500 mL High Density Solid in 500 mL HDPE Berry Plastic Container

This standard radionuclide source was prepared using aliquots measured gravimetrically from master radionuclide solution sources. The Am-241 was calibrated by 4 pi alpha liquid scintillation counting. All other radionuclides were calibrated using a germanium gamma spectrometer system. Calibration and purity were checked using a germanium gamma spectrometer system. At the time of calibration no interfering gamma-ray emitting impurities were detected. The gamma-ray emission rates for the most intense gamma-ray lines are given. Analytics maintains traceability to the National Institute of Standards and Technology through a Measurements Assurance Program as described in USNRC Regulatory Guide 4.15, Rev. 1, February, 1979.

Calibration date: April 1, 2004 12:00 EST

ISOTOPE	GAMMA-RAY ENERGY	HALF-LIFE		GAMMA-RAYS PER SECOND	TOTAL UNCERTAINTY %
Am-241	59.5	432	y	2051	3.0
Cd-109	88	462.6	d	2835	3.3
Co-57	122	271.79	d	1485	3.0
Ce-139	166	137.6	d	2148	2.8
Hg-203	279	46.61	d	4687	2.7
Sn-113	392	115.1	d	2885	2.6
Cs-137	662	30.07	y	1930	3.0
Y-88	898	106.6	d	7356	2.6
Co-60	1173	5.2714	y	3552	2.7
Co-60	1332	5.2714	y	3588	2.6
Y-88	1836	106.6	d	7675	2.6

Density of solid matrix 1.6 g/cc.
P O NUMBER M02212-0207, Item 1

SOURCE PREPARED BY: M. Dimitrova
M. Dimitrova, Radiochemist

Q A APPROVED: 5-25-04

This standard will expire one year after the calibration date.

ANALYTICS

1380 Seaboard Industrial Blvd.
Atlanta, Georgia 30318-U.S.A.

Phone (404) 352-8677
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www.analyticsinc.com

ANALYSIS OF UNCERTAINTY FOR

MIXED GAMMA STANDARDS
BATCH 116

CALIBRATION DATE: April 1, 2004 12:00 EST

ISOTOPE	ENERGY (keV)	CALIBRATION METHOD[1]	STATISTICS[2]	CALIBRATION[2]	PEAK FITTING[2]	GEOMETRY[2]	IMPURITIES[2]	WEIGHING[2]	COMBINED STANDARD UNCERTAINTY[2]	RELATIVE EXPANDED UNCERTAINTY[2] (K=2)
Cd-109	88	HPGe	0.16	1.1	0.88	0.8	0	0.2	1.64	3.3
Co-57	122	HPGe	0.23	1.1	0.71	0.7	0	0.2	1.52	3.0
Ce-139	166	HPGe	0.17	1.0	0.58	0.7	0	0.2	1.38	2.8
Hg-203	279	HPGe	0.11	1.1	0.34	0.7	0	0.2	1.37	2.7
Sn-113	392	HPGe	0.21	1.0	0.35	0.7	0	0.2	1.30	2.6
Cs-137	662	HPGe	0.36	1.1	0.60	0.7	0	0.2	1.49	3.0
Y-88	898	HPGe	0.19	1.0	0.33	0.7	0	0.2	1.29	2.6
Co-60	1173	HPGe	0.31	0.97	0.45	0.7	0	0.2	1.33	2.7
Co-60	1332	HPGe	0.33	0.93	0.48	0.7	0	0.2	1.32	2.6
Y-88	1836	HPGe	0.24	1.0	0.35	0.7	0	0.2	1.31	2.6

OPTIONAL ADDITIONAL ISOTOPES

Pb-210	46.5	4ΠLS	0.33	1.1	0	0.9	0.30	0.2	1.50	3.0
Am-241	59.5	4ΠLS	0.33	1.1	0	0.9	0.30	0.2	1.50	3.0
Sr-85	514	IC	0.30	1.1	0	0.7	0.17	0.2	1.36	2.7
Cs-134	605	IC	0.30	1.0	0	0.8	0.17	0.2	1.34	2.7
Cs-134	796	IC	0.30	1.0	0	0.8	0.17	0.2	1.34	2.7
Mn-54	835	IC	0.30	1.0	0	0.8	0.17	0.2	1.34	2.7
Zn-65	1116	IC	0.30	1.0	0	0.8	0.17	0.2	1.34	2.7

[1]Calibration Methods:
- 4ΠLS (4 pi Liquid Scintillation Counting)
- HPGe (High Purity Germanium Gamma Ray Spectrometer)
- IC (Gamma Ray Ionization Chamber)

[2]As Percent (%)

No interfering gamma emitting impurities were detected during calibration. Depending on the resolution and energy dispersion (keV/channel) of the measuring system, the following spectral conflicts may occur: (1) between the 88 keV gamma-ray and the X-rays emitted in the decay of Hg-203, (2) between the 1333 keV gamma-ray and the 1325 keV single escape peak from the 1836 keV gamma-ray.

U.S. DEPARTMENT OF COMMERCE
National Institute of Standards & Technology
Gaithersburg, MD 20899

Certificate of Participation

Analytics, Incorporated
Atlanta, Georgia

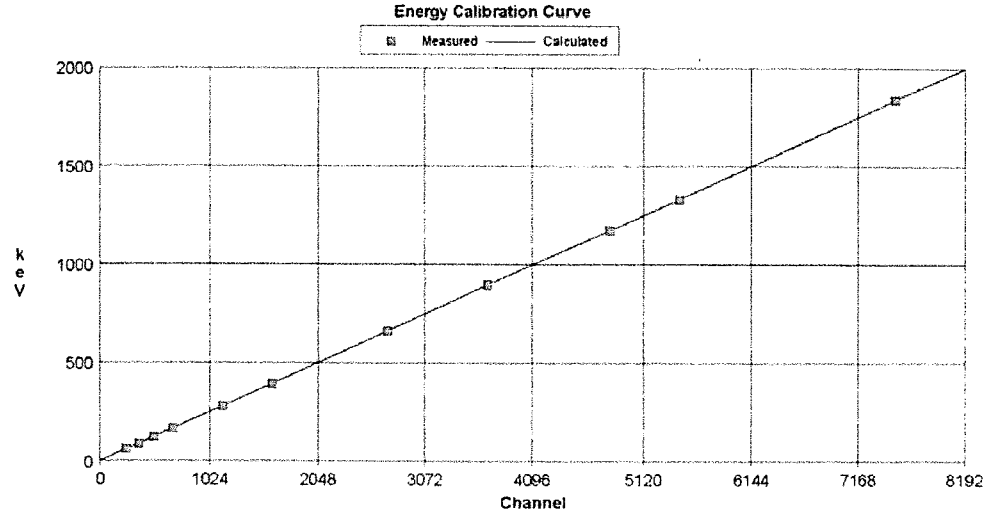
is a participant for the period January 1, 2004, through December 31, 2004, in a radioactivity measurements assurance program conducted by the National Institute of Standards and Technology, in cooperation with the Nuclear Energy Institute. Continued participation is evidenced by dated Reports of Traceability issued for particular radionuclides, which indicate the deviation of the participant's reported value from that measured by the National Institute of Standards and Technology. The significance of these Reports is addressed on the back of this certificate.

For the Director,

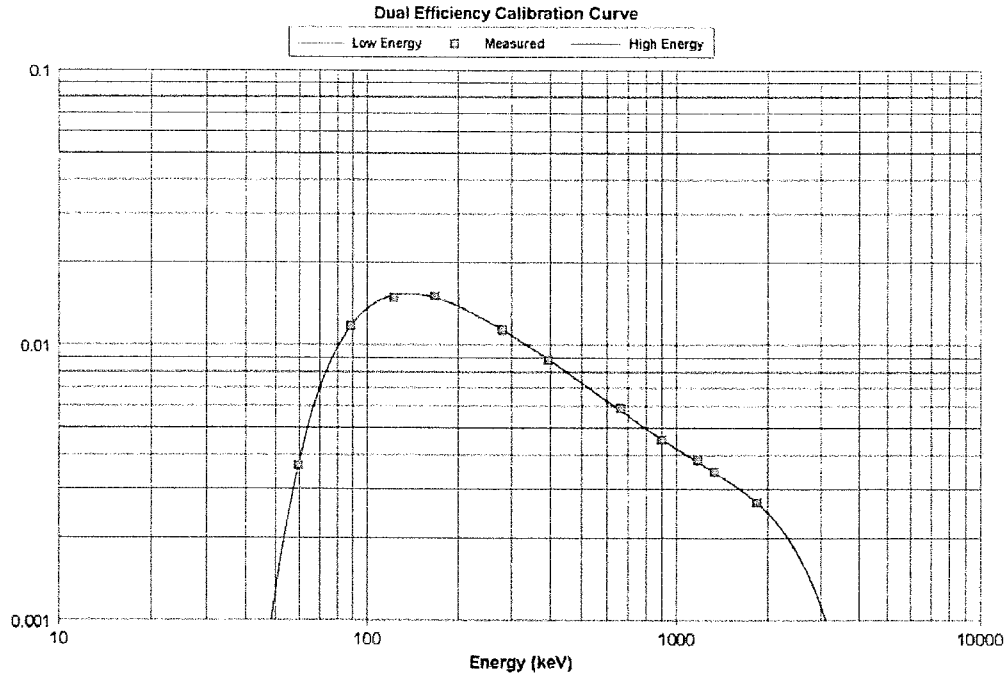
Michael P. Unterweger, Acting Leader
Radioactivity Group
Physics Laboratory

(over)

30% HPGe Calibration



Datasource: C:\CE Windsor\FSS Data\Windsor FSS\SRS-035 062304.CNF
Energy = 2.174e-001 keV + 2.440e-001*Ch
FWHM = 6.200e-001 keV + 4.096e-002*E^1/2
Lo Tail = 7.540e-001 keV + 2.624e-004*E



Datasource: C:\CE Windsor\FSS Data\Windsor FSS\SRS-035 062304.CNF
ln(Eff) = -1.285e+003 + 1.264e+003*ln(E) - 5.202e+002*ln(E)^2 + 1.143e+002*ln(E)^3
- 1.413e+001*ln(E)^4 + 9.302e-001*ln(E)^5 - 2.547e-002*ln(E)^6

ENERGY CALIBRATION REPORT

Detector Name: 30%HPGE
Sample Title: SRS-035 Calibration

ENERGY CALIBRATION COEFFICIENTS

Energy Calibrate Performed on: 6/23/2004 10:30:43 AM
by:
Energy Calibrate Type: POLY

Energy(keV) = 0.217 + 0.244*ch + 0.00E+000*ch^2 + 0.00E+000*ch^3

SHAPE CALIBRATION COEFFICIENTS

Shape Calibrate Performed on: 6/23/2004 10:30:43 AM
by:

FWHM = 0.620 + 0.041*E^1/2

LOW TAIL = 7.5E-001 + 2.6E-004*E

ENERGY CALIBRATION RESULTS TABLE

Centroid Channel	Centroid error	Energy (keV)
244.22	0.05	59.50
360.89	0.03	88.04
500.20	0.02	122.06
679.60	0.02	166.00
1143.75	0.02	279.00
1604.55	0.02	392.00
2710.49	0.03	661.64
3679.47	0.03	898.00
4808.08	0.04	1173.21
5461.45	0.05	1332.46
7527.94	0.06	1836.00

SHAPE CALIBRATION RESULTS TABLE

Energy (keV)	FWHM channels	FWHM error	TAIL channels	TAIL error
59.50	4.25	0.13	2.05	0.24
88.04	4.41	0.07	9.17	1.00
122.06	4.53	0.04	3.10	0.17
166.00	4.79	0.04	3.57	0.23
279.00	5.27	0.05	3.72	0.25
392.00	5.60	0.03	3.60	0.11
661.64	6.69	0.06	3.83	0.16
898.00	7.49	0.07	4.04	0.14
1173.21	8.48	0.08	4.27	0.15
1332.46	9.08	0.10	4.92	0.23
1836.00	10.78	0.13	4.90	0.17

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

Detector Name: 30%HPGE
Sample Title: SRS-035 Calibration

Geometry Description: srs023_cert
Efficiency Calibration Performed on: 6/23/2004 10:32:55 AM
by:
Geometry Type Used: DUAL

Efficiency Triplets

Energy	Efficiency	Error
59.50	3.66E-003	1.57E-004
88.04	1.18E-002	4.12E-004
122.06	1.49E-002	5.06E-004
166.00	1.51E-002	4.57E-004
279.00	1.14E-002	3.46E-004
392.00	8.86E-003	2.60E-004
661.64	5.90E-003	2.03E-004
898.00	4.52E-003	1.29E-004
1173.21	3.82E-003	1.17E-004
1332.46	3.46E-003	1.02E-004
1836.00	2.70E-003	8.02E-005

DUAL Efficiency Calibration Equation

Single Equation Terms ->	
Offset:	-1284.680
Slope:	1263.905
Quadratic:	-520.232
Cubic:	114.293
4th Order:	-14.126
5th Order:	0.930
6th Order:	-0.025
7th Order:	0.000
8th Order:	0.000
9th Order:	0.000

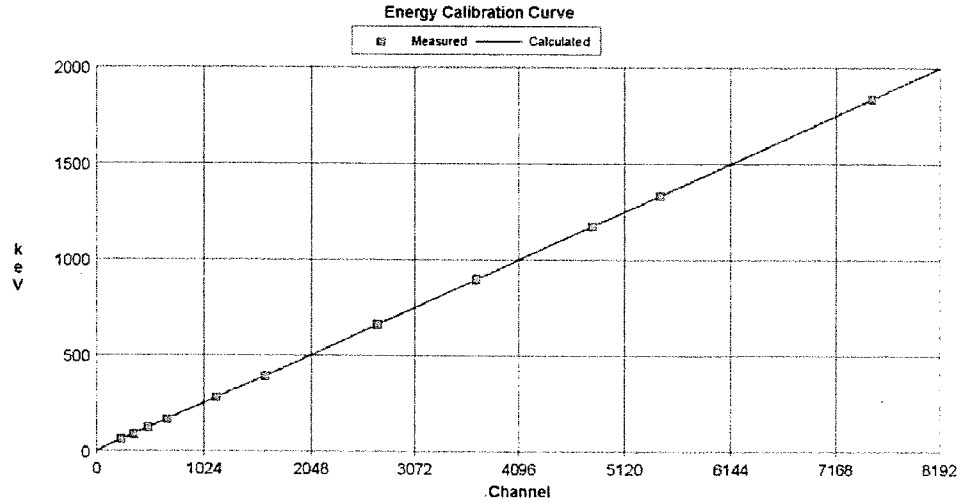
EMPIRICAL Efficiency Calibration Equation

Empirical Equation Terms ->	Scaling:	947.750
	Offset:	-5.413
	Slope:	0.791
	Quadratic:	-0.022
	Cubic:	-0.056
	4th Order:	0.091
	5th Order:	-0.039

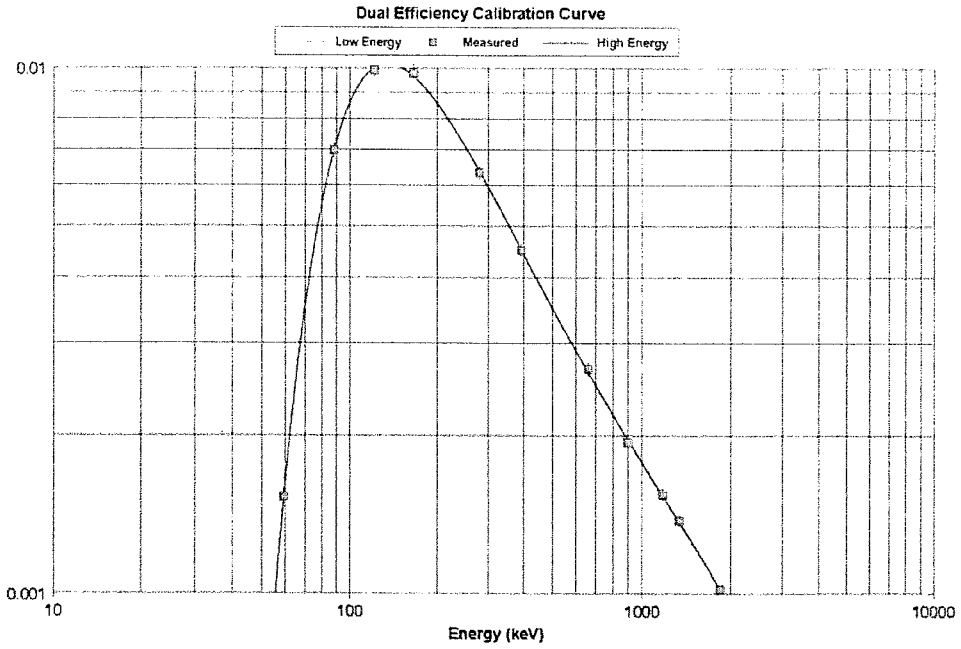
LINEAR Efficiency Calibration Equation

Linear Equation Terms ->	Offset:	-0.000
	Slope:	-2.481
	Quadratic:	264.189
	Cubic:	-35778.684
	4th Order:	2073050.250
	5th Order:	-51685944.0
	6th Order:	0.000
	7th Order:	0.000
	8th Order:	0.000
	9th Order:	0.000

11% HPGe Calibration



Datasource: C:\CE Windsor\FSS Data\Windsor FSS\11% HPGe\11% HPGe\Test\Source 10hr Count.CNF
Energy = 1.722e-001 keV + 2.440e-001*Ch
FWHM = 8.874e-001 keV + 3.148e-002*E^1/2
Lo Tail = 7.920e-001 keV + 4.990e-004*E



Datasource: C:\CE Windsor\FSS Data\Windsor FSS\11% HPGe\11% HPGe\Test\Source 10hr Count.CNF
ln(Eff) = -1.018e+003 + 9.385e+002*ln(E) - 3.625e+002*ln(E)^2 + 7.490e+001*ln(E)^3
- 8.739e+000*ln(E)^4 + 5.458e-001*ln(E)^5 - 1.425e-002*ln(E)^6

ENERGY CALIBRATION REPORT

Detector Name: 11%
Sample Title: SRS-035

ENERGY CALIBRATION COEFFICIENTS

Energy Calibrate Performed on: 8/25/2004 6:49:38 AM
by:
Energy Calibrate Type: POLY

Energy(keV) = 0.172 + 0.244*ch + 0.00E+000*ch^2 + 0.00E+000*ch^3

SHAPE CALIBRATION COEFFICIENTS

Shape Calibrate Performed on: 6/2/2004 3:08:42 PM
by:

FWHM = 0.887 + 0.031*E^1/2

LOW TAIL = 7.9E-001 + 5.0E-004*E

ENERGY CALIBRATION RESULTS TABLE

Centroid Channel	Centroid error	Energy (keV)
243.59	0.04	59.50
360.35	0.03	88.00
499.94	0.03	122.00
679.39	0.03	165.80
1143.81	0.03	279.10
1604.90	0.03	391.70
2711.18	0.03	662.00
3679.91	0.03	898.00
4807.89	0.03	1173.20
5460.80	0.03	1332.50
7526.90	0.03	1836.00

SHAPE CALIBRATION RESULTS TABLE

Energy (keV)	FWHM channels	FWHM error	TAIL channels	TAIL error
59.50	0.00	0.00	0.00	0.00
88.00	0.00	0.00	0.00	0.00
122.00	0.00	0.00	0.00	0.00
165.80	0.00	0.00	0.00	0.00
279.10	0.00	0.00	0.00	0.00
391.70	0.00	0.00	0.00	0.00
662.00	0.00	0.00	0.00	0.00
898.00	0.00	0.00	0.00	0.00
1173.20	0.00	0.00	0.00	0.00
1332.50	0.00	0.00	0.00	0.00
1836.00	0.00	0.00	0.00	0.00

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

Detector Name: 11%
Sample Title: SRS-035

Geometry Description: pint
Efficiency Calibration Performed on: 8/25/2004 6:52:46 AM
by:
Geometry Type Used: DUAL

Efficiency Triplets

Energy	Efficiency	Error
59.50	1.53E-003	4.92E-005
88.00	6.97E-003	2.31E-004
122.00	9.90E-003	3.01E-004
165.80	9.76E-003	2.77E-004
279.10	6.32E-003	1.72E-004
391.70	4.50E-003	1.20E-004
662.00	2.68E-003	8.14E-005
898.00	1.93E-003	5.11E-005
1173.20	1.55E-003	4.23E-005
1332.50	1.38E-003	3.63E-005
1836.00	1.02E-003	2.70E-005

DUAL Efficiency Calibration Equation

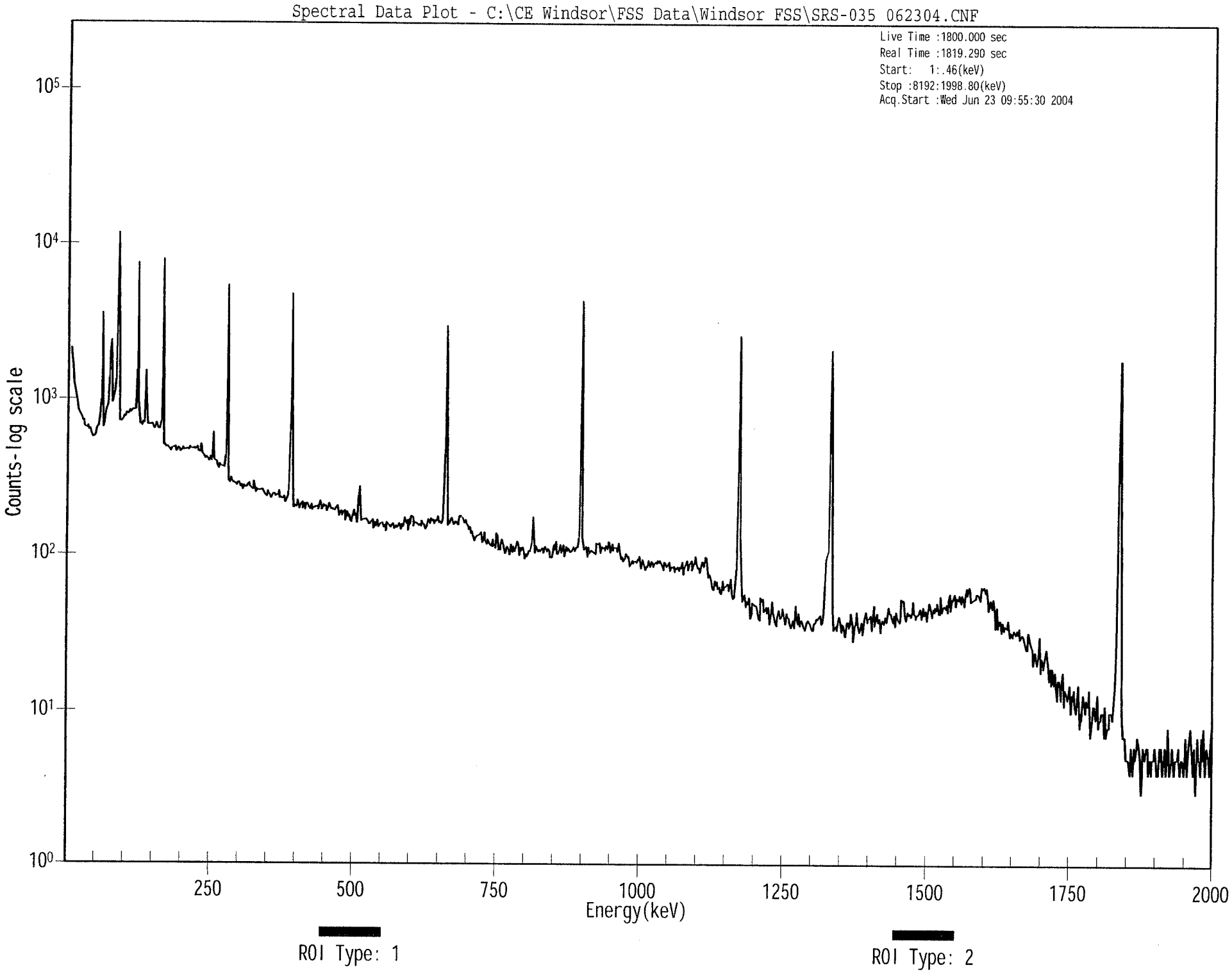
Single Equation Terms ->	Offset:	-1017.658
	Slope:	938.504
	Quadratic:	-362.524
	Cubic:	74.900
	4th Order:	-8.739
	5th Order:	0.546
	6th Order:	-0.014
	7th Order:	0.000
	8th Order:	0.000
	9th Order:	0.000

EMPIRICAL Efficiency Calibration Equation

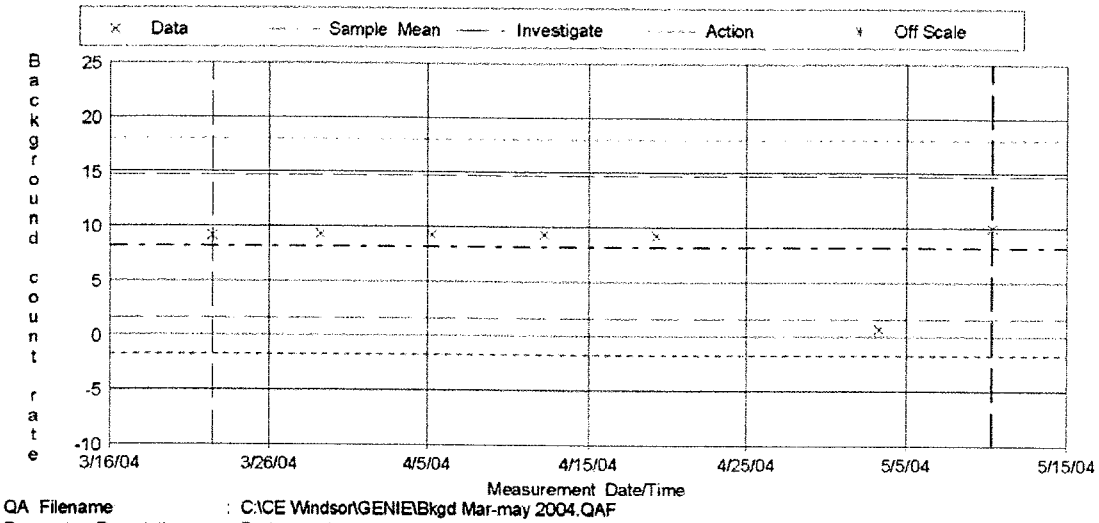
Empirical Equation Terms ->	Scaling:	947.750
	Offset:	-6.276
	Slope:	0.957
	Quadratic:	-0.001
	Cubic:	-0.010
	4th Order:	0.085
	5th Order:	-0.047

LINEAR Efficiency Calibration Equation

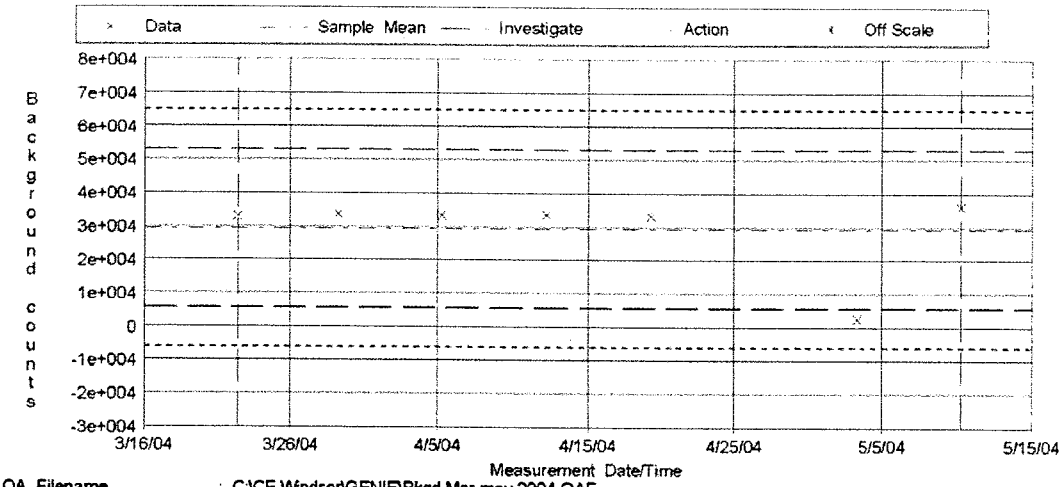
Linear Equation Terms ->	Offset:	-0.000
	Slope:	-2.871
	Quadratic:	307.694
	Cubic:	-35140.805
	4th Order:	1603612.750
	5th Order:	-35025964.0
	6th Order:	0.000
	7th Order:	0.000
	8th Order:	0.000
	9th Order:	0.000


Spectral Data Plot - C:\CE Windsor\FSS Data\Windsor FSS\SRS-035 062304.CNF
Live Time :1800.000 sec
Real Time :1819.290 sec
Start: 1:.46(keV)
Stop :8192:1998.80(keV)
Acq.Start :Wed Jun 23 09:55:30 2004
Counts-log scale
10^5
10^4
10^3
10^2
10^1
10^0
250
500
750
1000
1250
1500
1750
2000
Energy(keV)
ROI Type: 1
ROI Type: 2

30% HPGe Control Charts

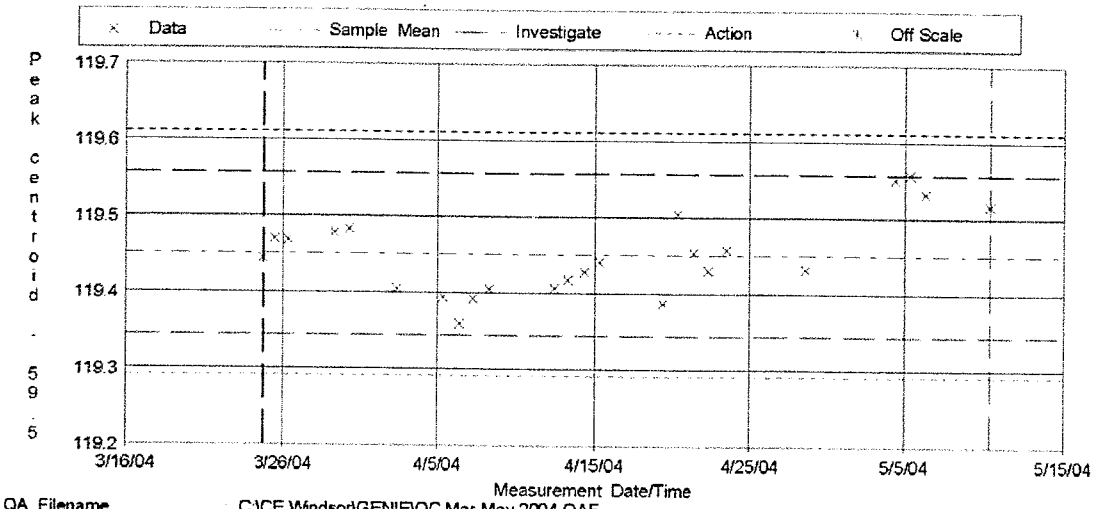


QA Filename : C:\CE Windsor\GENIE\Bkgd Mar-may 2004.QAF
Parameter Description : Background count rate (cps)
Selection Dates : 3/22/04 8:06:25 AM - 5/10/04 7:44:33 AM
Sample Mean +/- Std Dev : 8.137 +/- 3.290

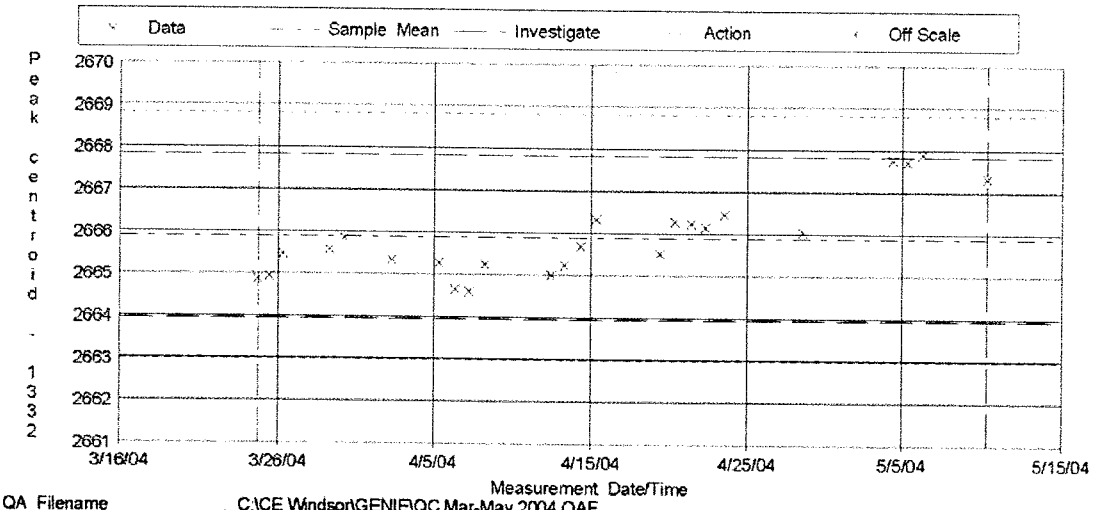


QA Filename : C:\CE Windsor\GENIE\Bkgd Mar-may 2004.QAF
Parameter Description : Background counts (counts)
Selection Dates : 3/22/04 8:06:25 AM - 5/10/04 7:44:33 AM
Sample Mean +/- Std Dev : 29292.572 +/- 1.18e+004

30% HPGe Control Charts

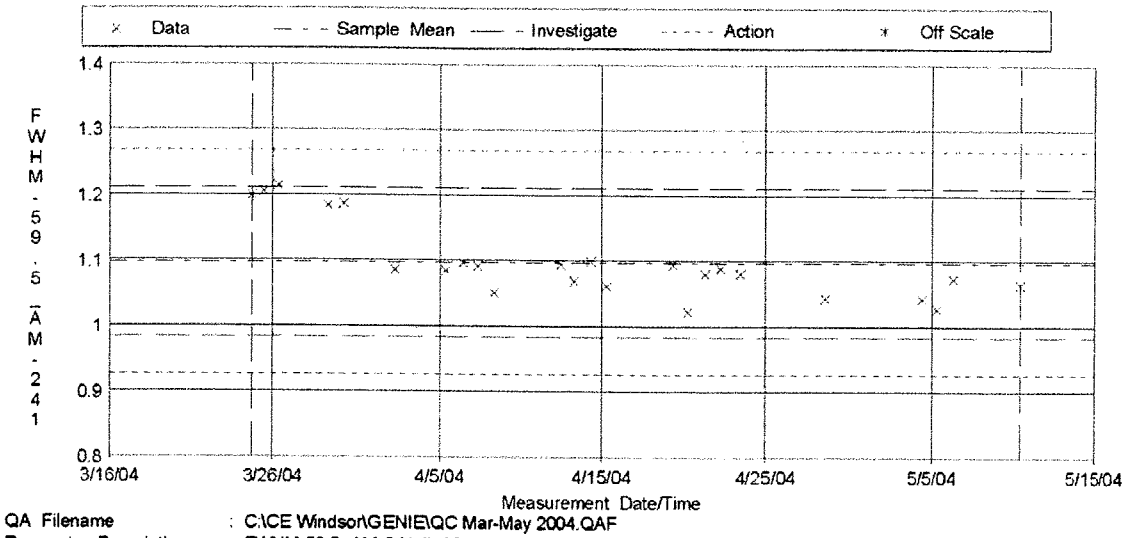


QA Filename : C:\CE Windsor\GENIE\QC Mar-May 2004.QAF
Parameter Description : Peak centroid - 59.5 keV (ch)
Selection Dates : 3/24/04 4:42:22 PM - 5/10/04 8:48:12 AM
Sample Mean +/- Std Dev : 119.450 +/- 0.053

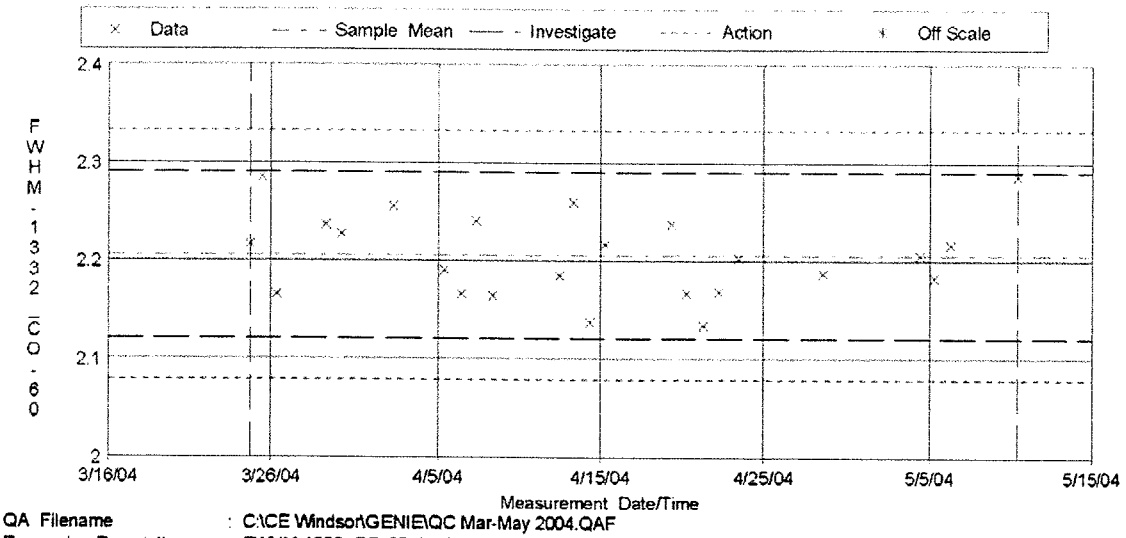


QA Filename : C:\CE Windsor\GENIE\QC Mar-May 2004.QAF
Parameter Description : Peak centroid - 1332 keV (ch)
Selection Dates : 3/24/04 4:42:22 PM - 5/10/04 8:48:12 AM
Sample Mean +/- Std Dev : 2665.886 +/- 0.972

30% HPGe Control Charts

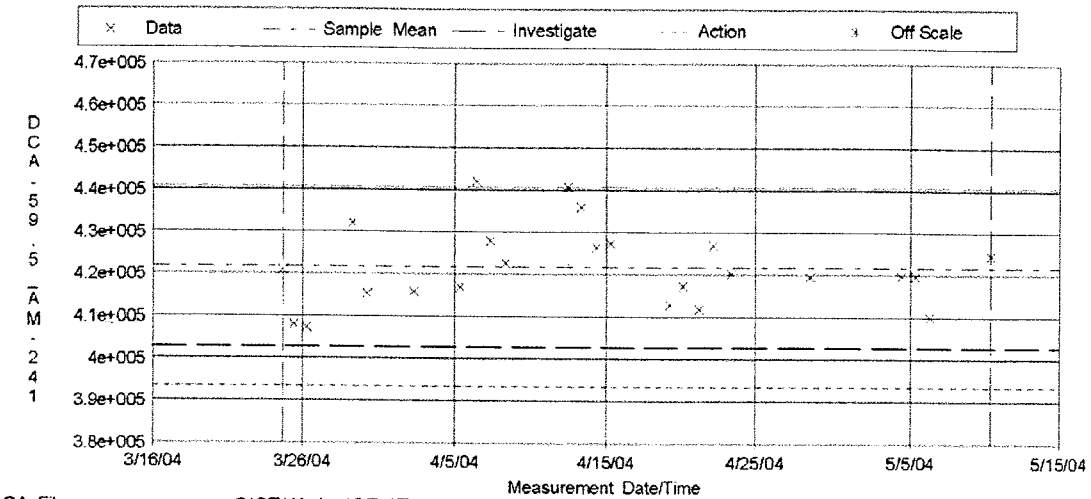


QA Filename : C:\CE Windson\GENIE\QC Mar-May 2004.QAF
Parameter Description : FWHM-59.5_AM-241 (keV)
Selection Dates : 3/24/04 4:42:22 PM - 5/10/04 8:48:12 AM
Sample Mean +/- Std Dev : 1.097 +/- 0.057

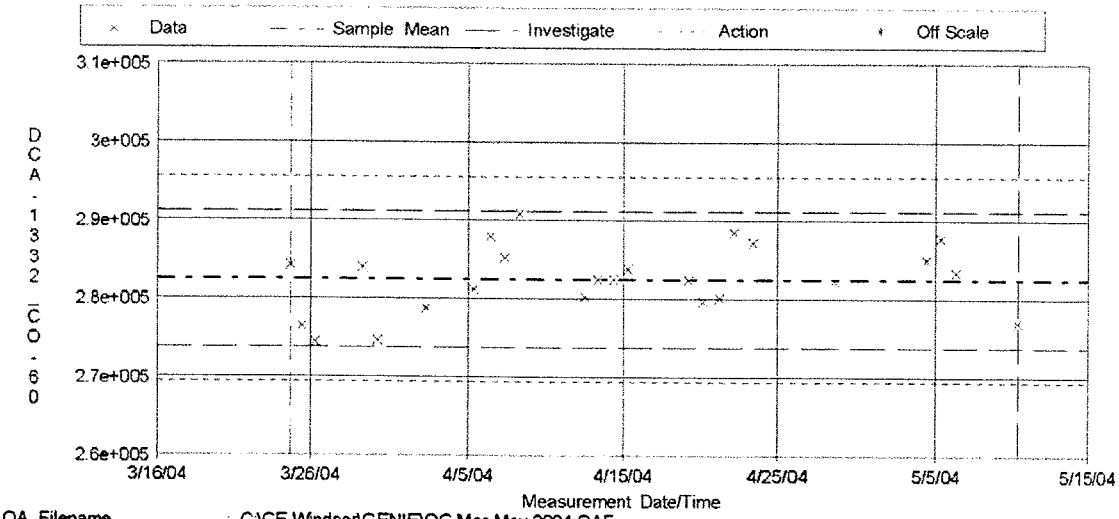


QA Filename : C:\CE Windson\GENIE\QC Mar-May 2004.QAF
Parameter Description : FWHM-1332_CO-60 (keV)
Selection Dates : 3/24/04 4:42:22 PM - 5/10/04 8:48:12 AM
Sample Mean +/- Std Dev : 2.205 +/- 0.042

30% HPGe Control Charts

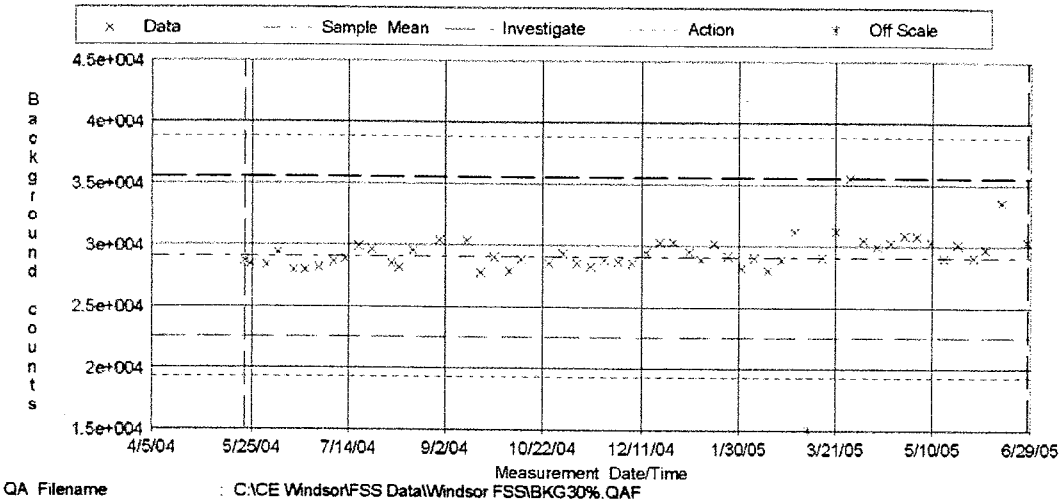


QA Filename : C:\CE Windsor\GENIE\QC Mar-May 2004.QAF
Parameter Description : DCA-59.5_AM-241 (pCi)
Selection Dates 3/24/04 4:42:22 PM - 5/10/04 8:48:12 AM
Sample Mean +/- Std Dev : 4.22e+005 +/- 9.44e+003

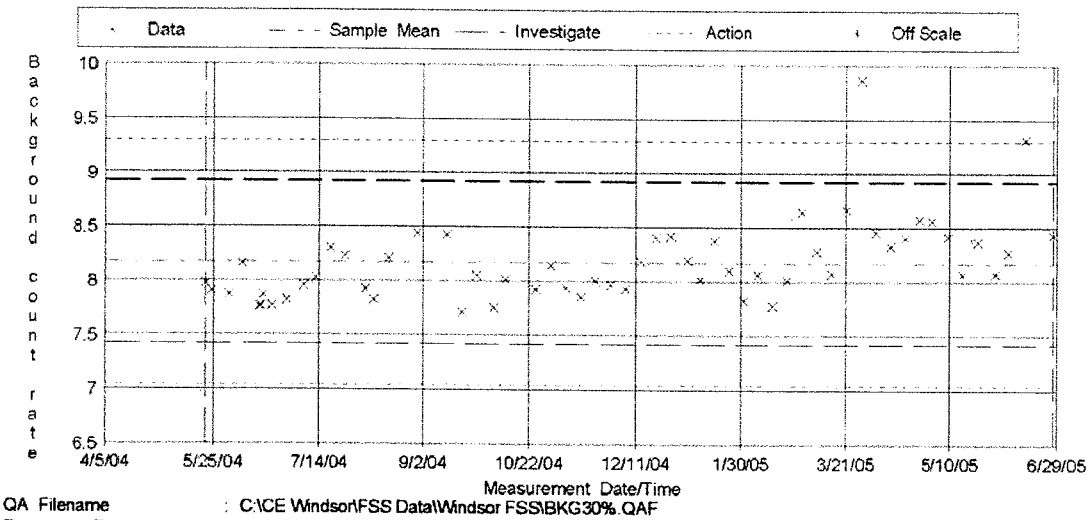


QA Filename : C:\CE Windsor\GENIE\QC Mar-May 2004.QAF
Parameter Description : DCA-1332_CO-60 (pCi)
Selection Dates : 3/24/04 4:42:22 PM - 5/10/04 8:48:12 AM
Sample Mean +/- Std Dev : 2.82e+005 +/- 4.35e+003

30% HPGe Control Charts

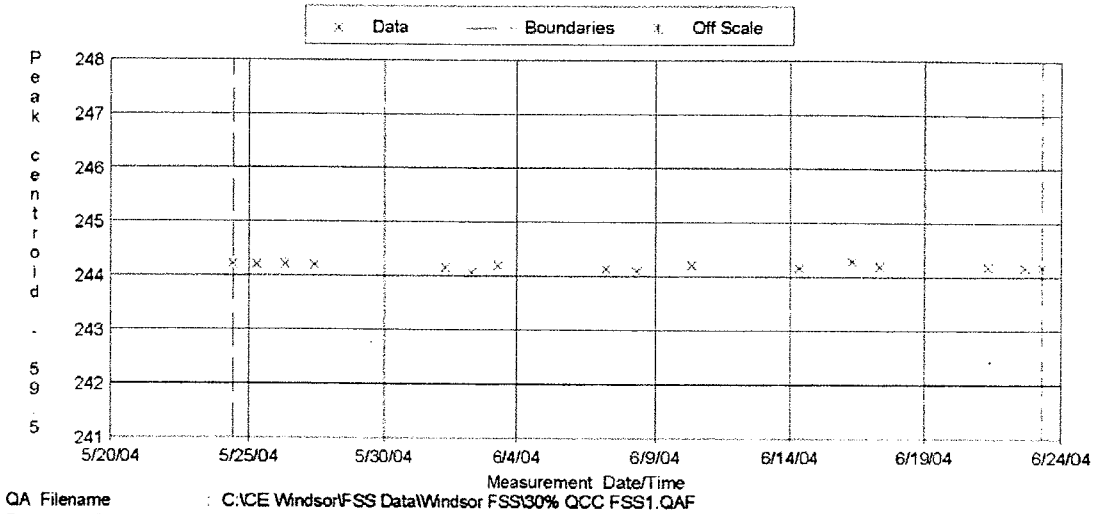


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\BKG30%.QAF
Parameter Description : Background counts (counts)
Selection Dates : 5/21/04 10:14:17 AM - 6/27/05 9:10:02 AM
Sample Mean +/- Std Dev : 29043.037 +/- 3.26e+003

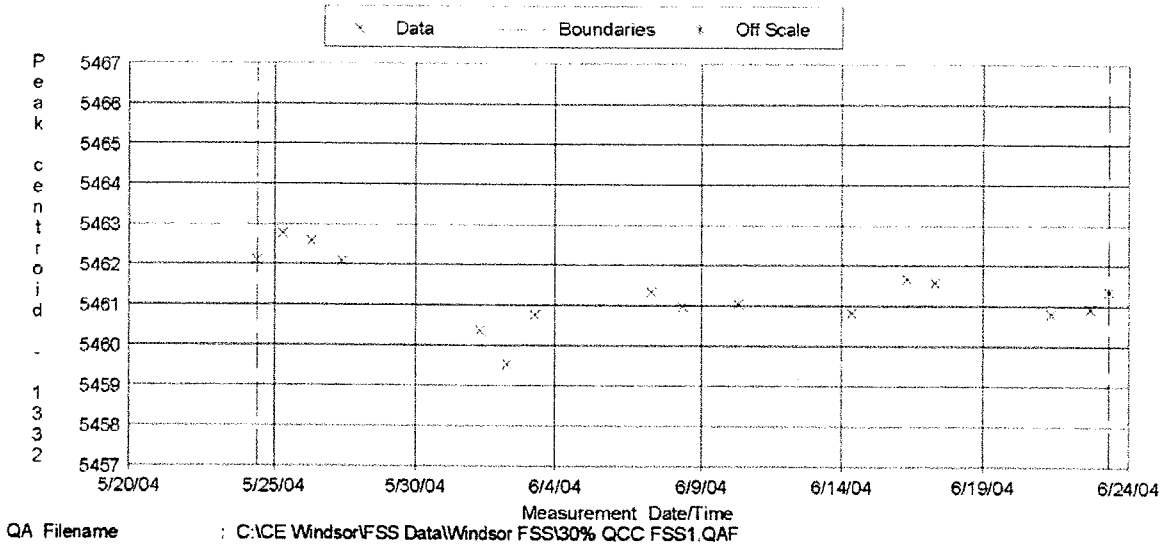


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\BKG30%.QAF
Parameter Description : Background count rate (cps)
Selection Dates : 5/21/04 10:14:17 AM - 6/27/05 9:10:02 AM
Sample Mean +/- Std Dev : 8.168 +/- 0.376

30% HPGe Control Charts

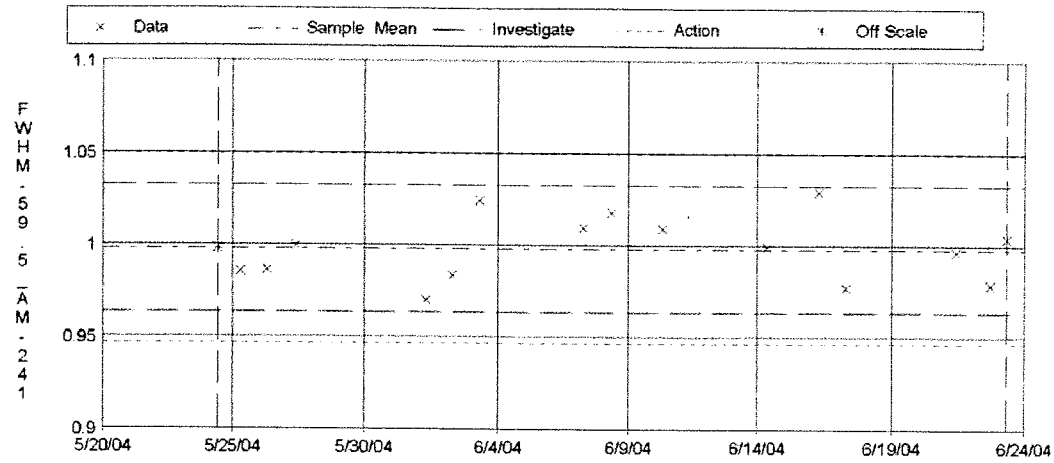


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\30% QCC FSS1.QAF
Parameter Description : Peak centroid - 59.5 keV (ch)
Selection Dates : 5/24/04 10:07:32 AM - 6/23/04 7:14:59 AM
Lower/Upper Boundaries : 242.000 - 247.000

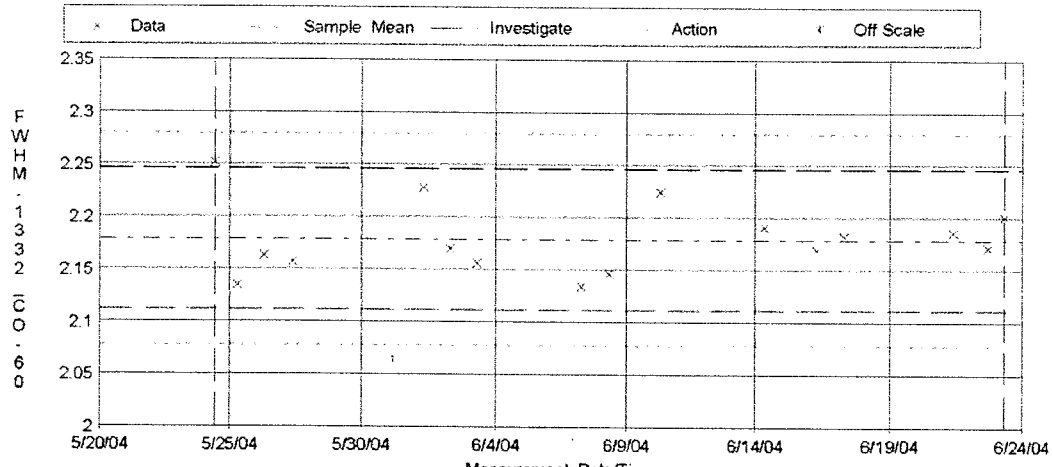


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\30% QCC FSS1.QAF
Parameter Description : Peak centroid - 1332 keV (ch)
Selection Dates : 5/24/04 10:07:32 AM - 6/23/04 7:14:59 AM
Lower/Upper Boundaries : 5459.000 - 5465.000

30% HPGe Control Charts

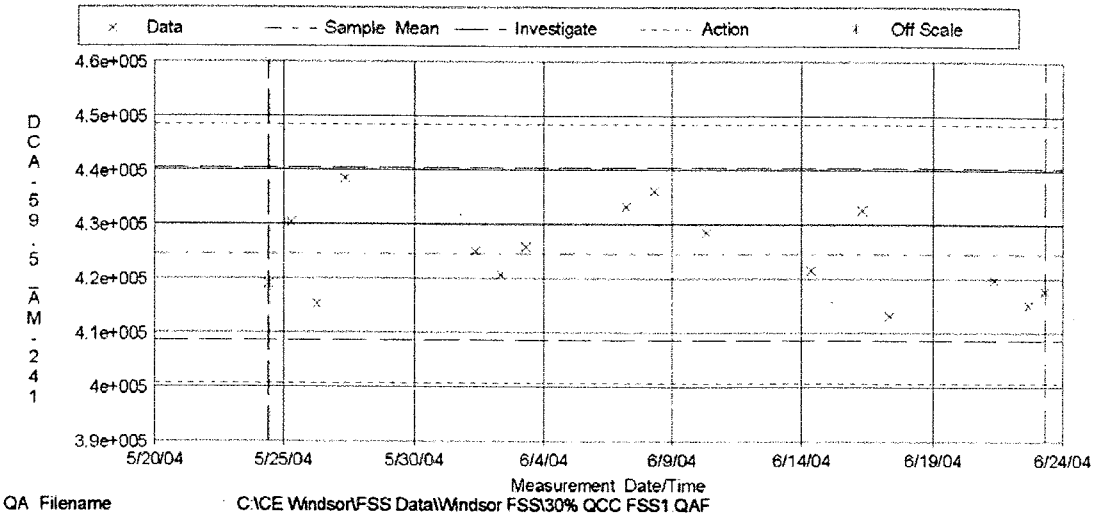


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\30% QCC FSS1 QAF
Parameter Description : FWHM-59.5_AM-241 (keV)
Selection Dates : 5/24/04 10:07:32 AM - 6/23/04 7:14:59 AM
Sample Mean +/- Std Dev : 0.998 +/- 0.017

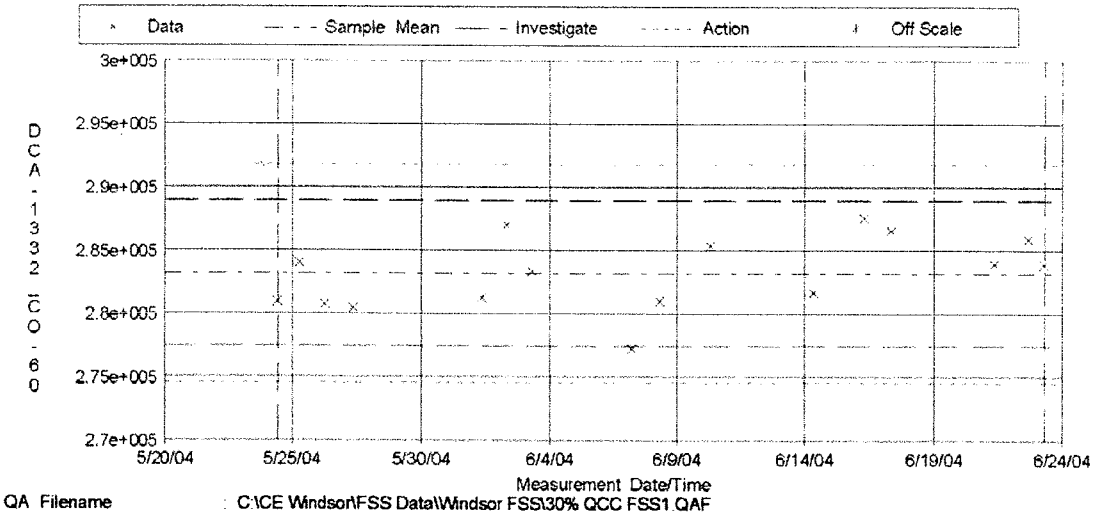


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\30% QCC FSS1 QAF
Parameter Description : FWHM-1332_CO-60 (keV)
Selection Dates : 5/24/04 10:07:32 AM - 6/23/04 7:14:59 AM
Sample Mean +/- Std Dev : 2.179 +/- 0.034

30% HPGe Control Charts

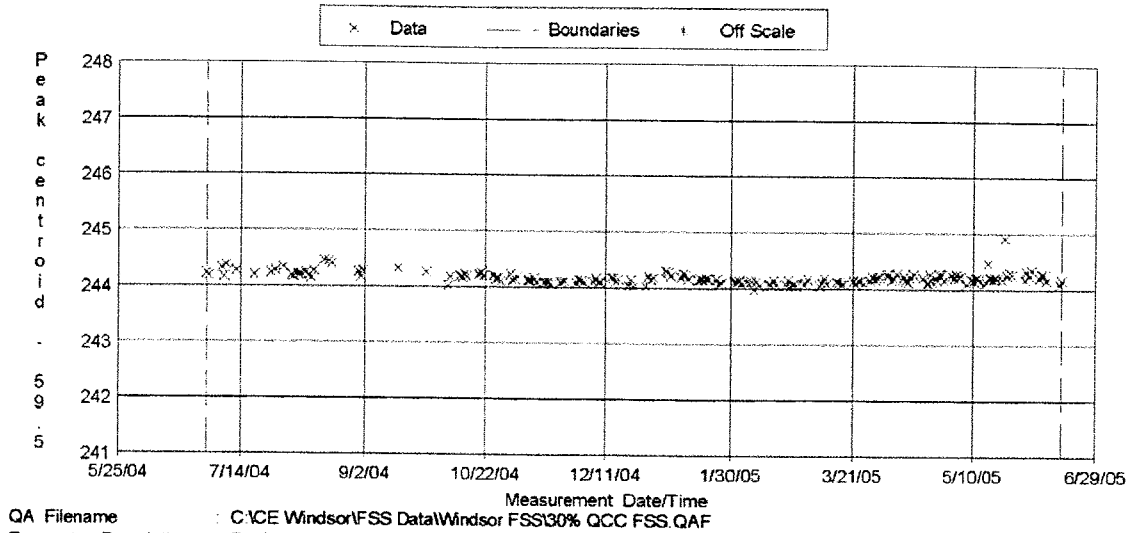


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\30% QCC FSS1.QAF
Parameter Description : DCA-59.5_AM-241 (pCi)
Selection Dates : 5/24/04 10:07:32 AM - 6/23/04 7:14:59 AM
Sample Mean +/- Std Dev : 4.25e+005 +/- 7.94e+003

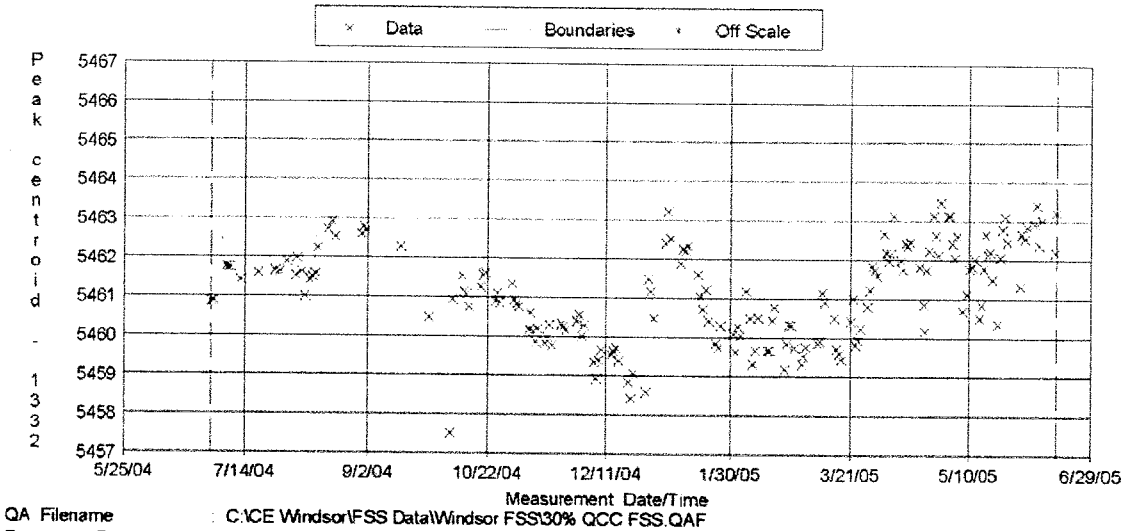


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\30% QCC FSS1.QAF
Parameter Description : DCA-1332_CO-60 (pCi)
Selection Dates : 5/24/04 10:07:32 AM - 6/23/04 7:14:59 AM
Sample Mean +/- Std Dev : 2.83e+005 +/- 2.88e+003

30% HPGe Control Charts

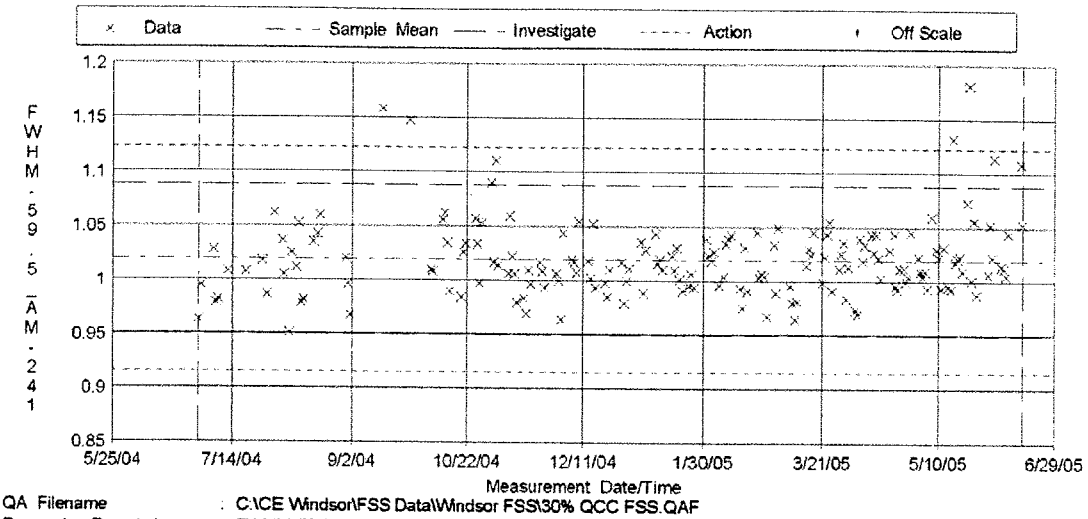


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\30% QCC FSS.QAF
Parameter Description : Peak centroid - 59.5 keV (ch)
Selection Dates : 6/30/04 7:17:12 AM - 6/15/05 6:48:42 AM
Lower/Upper Boundaries : 242.000 - 247.000

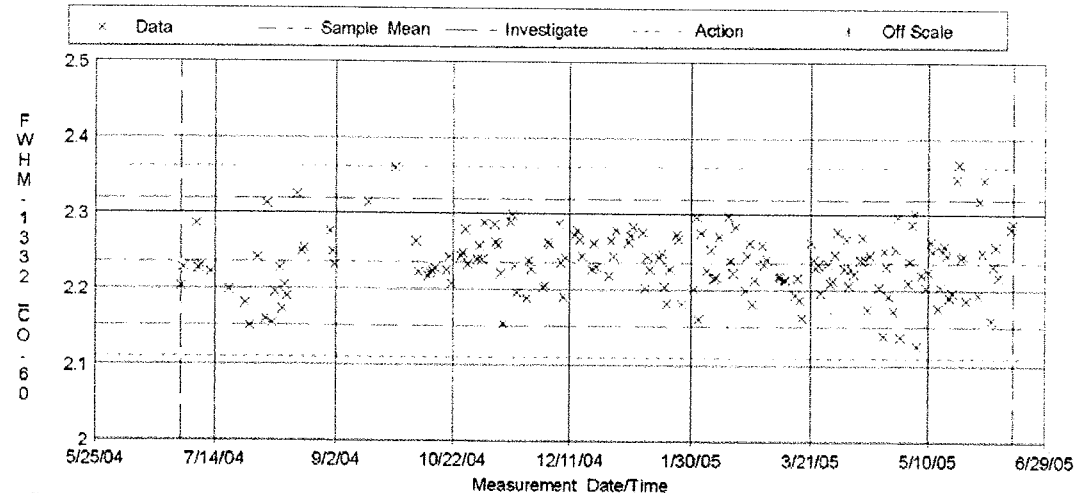


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\30% QCC FSS.QAF
Parameter Description : Peak centroid - 1332 keV (ch)
Selection Dates : 6/30/04 7:17:12 AM - 6/15/05 6:48:42 AM
Lower/Upper Boundaries : 5459.000 - 5465.000

30% HPGe Control Charts

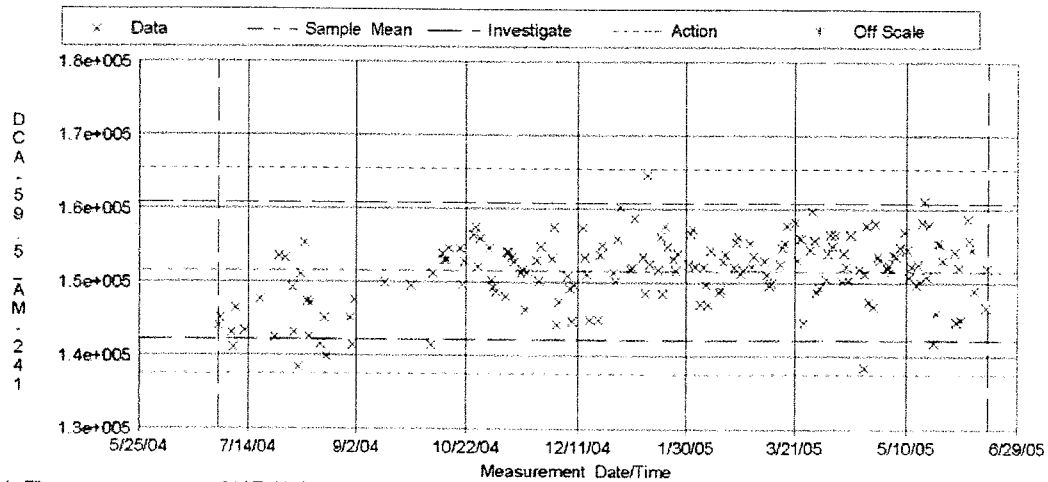


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\30% QCC FSS.QAF
Parameter Description : FWHM-59.5_AM-241 (keV)
Selection Dates : 6/30/04 7:17:12 AM - 6/15/05 6:48:42 AM
Sample Mean +/- Std Dev : 1.019 +/- 0.035

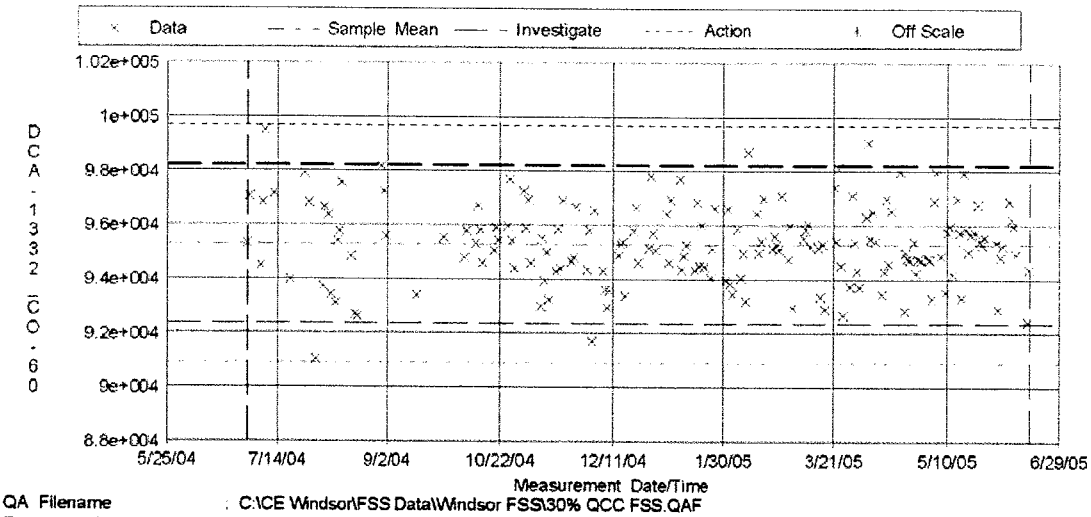


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\30% QCC FSS.QAF
Parameter Description : FWHM-1332_CO-60 (keV)
Selection Dates : 6/30/04 7:17:12 AM - 6/15/05 6:48:42 AM
Sample Mean +/- Std Dev : 2.235 +/- 0.042

30% HPGe Control Charts

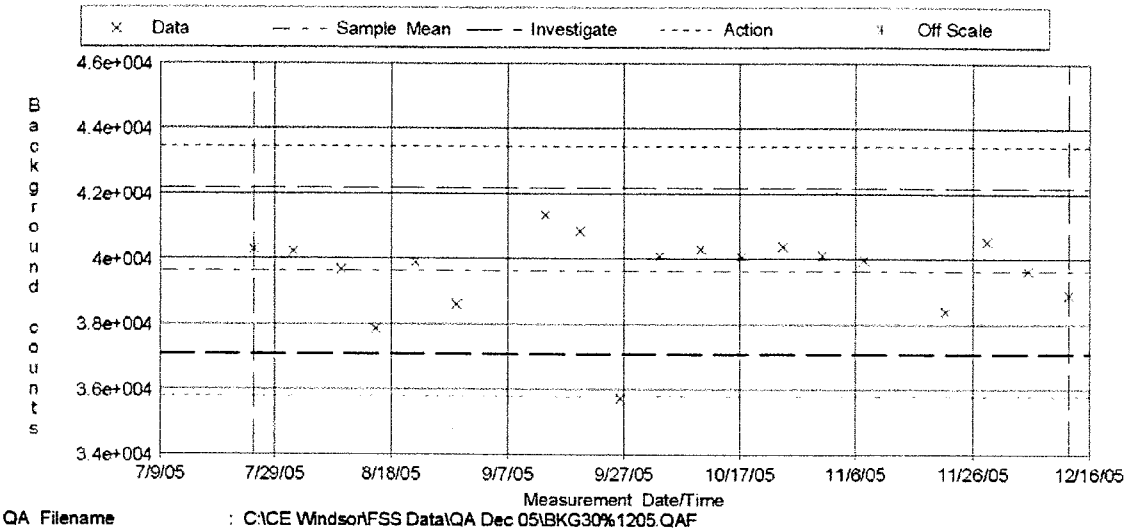


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\30% QCC FSS.QAF
Parameter Description : DCA-59.5_AM-241 (pCi)
Selection Dates : 6/30/04 7:17:12 AM - 6/15/05 6:48:42 AM
Sample Mean +/- Std Dev : 1.51e+005 +/- 4.66e+003

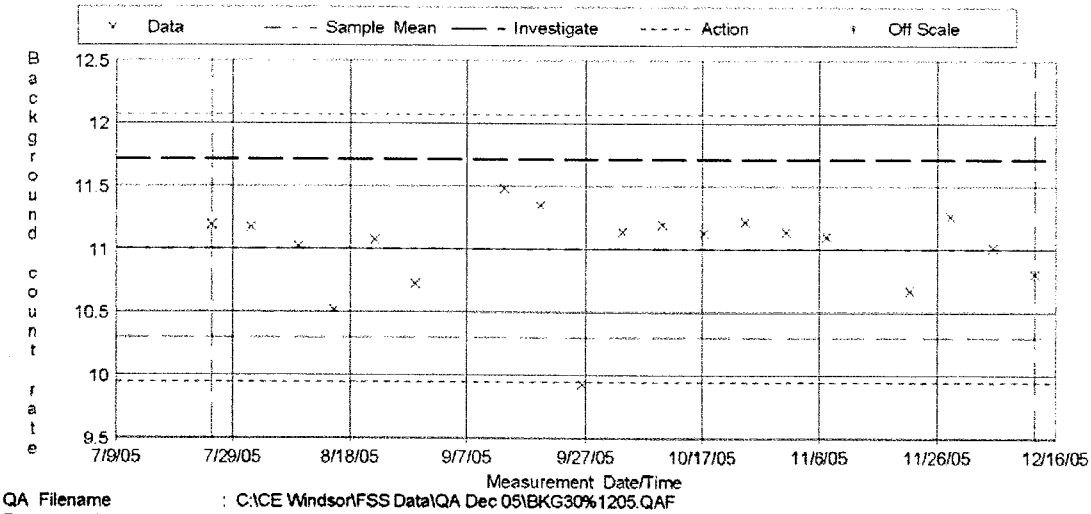


QA Filename : C:\CE Windsor\FSS Data\Windsor FSS\30% QCC FSS.QAF
Parameter Description : DCA-1332_CO-60 (pCi)
Selection Dates : 6/30/04 7:17:12 AM - 6/15/05 6:48:42 AM
Sample Mean +/- Std Dev : 95275.506 +/- 1.46e+003

30% HPGe Control Charts

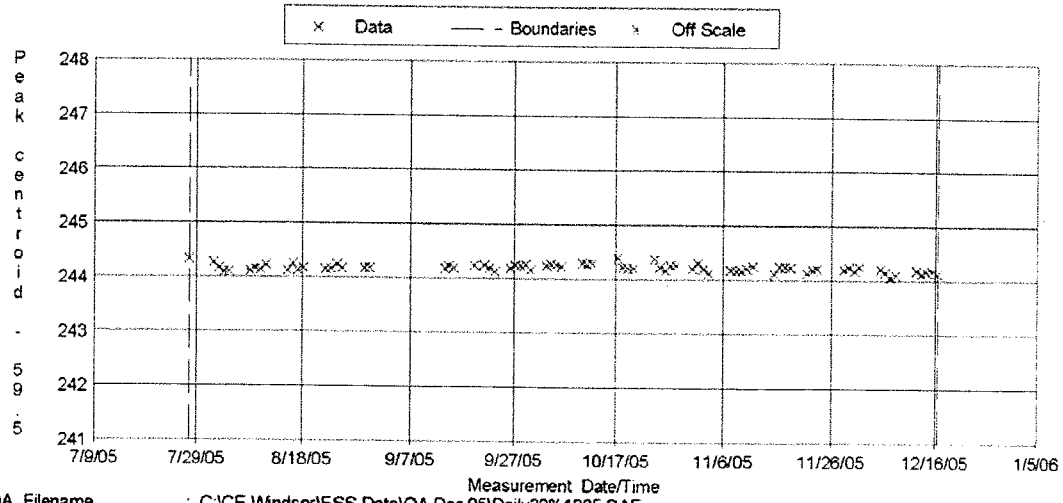


QA Filename : C:\CE Windsor\FSS Data\QA Dec 05\BKG30%1205.QAF
Parameter Description : Background counts (counts)
Selection Dates : 7/25/05 9:24:35 AM - 12/12/05 10:48:49 AM
Sample Mean +/- Std Dev : 39814.316 +/- 1.28e+003

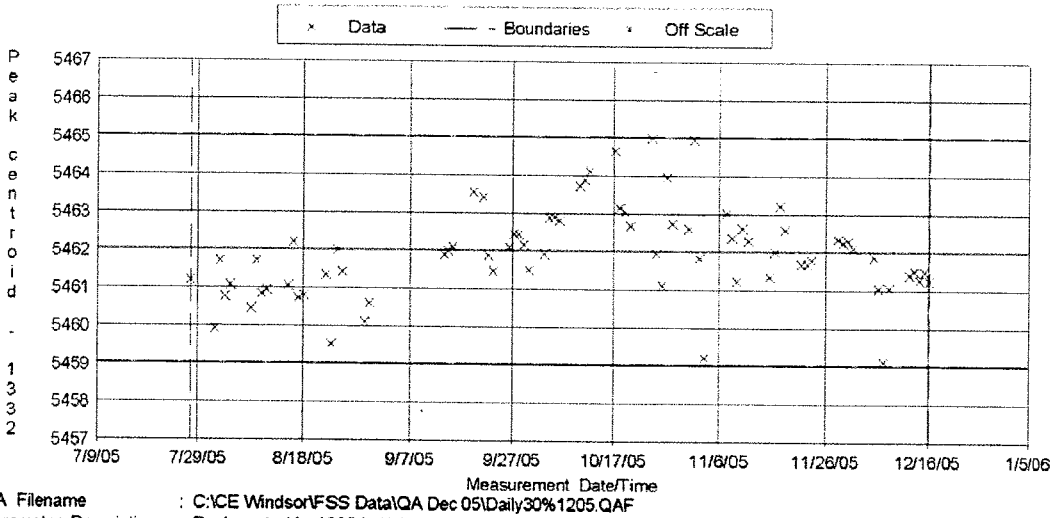


QA Filename : C:\CE Windsor\FSS Data\QA Dec 05\BKG30%1205.QAF
Parameter Description : Background count rate (cps)
Selection Dates : 7/25/05 9:24:35 AM - 12/12/05 10:48:49 AM
Sample Mean +/- Std Dev : 11.004 +/- 0.354

30% HPGe Control Charts

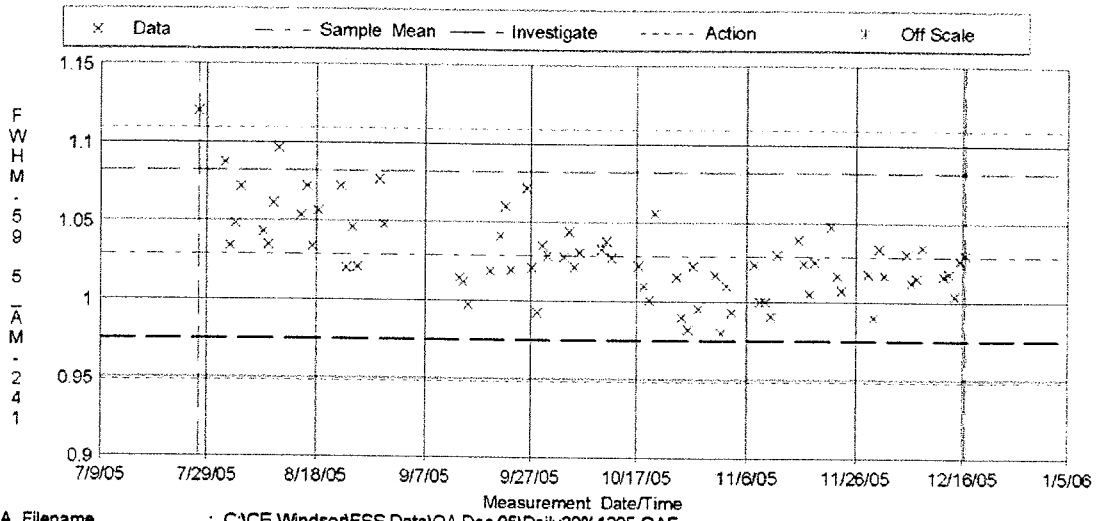


QA Filename : C:\CE Windsor\FSS Data\QA Dec 05\Daily30%1205.QAF
Parameter Description : Peak centroid - 59.5 keV (ch)
Selection Dates : 7/27/05 11:56:39 AM - 12/16/05 8:21:48 AM
Lower/Upper Boundaries : 242.000 - 247.000

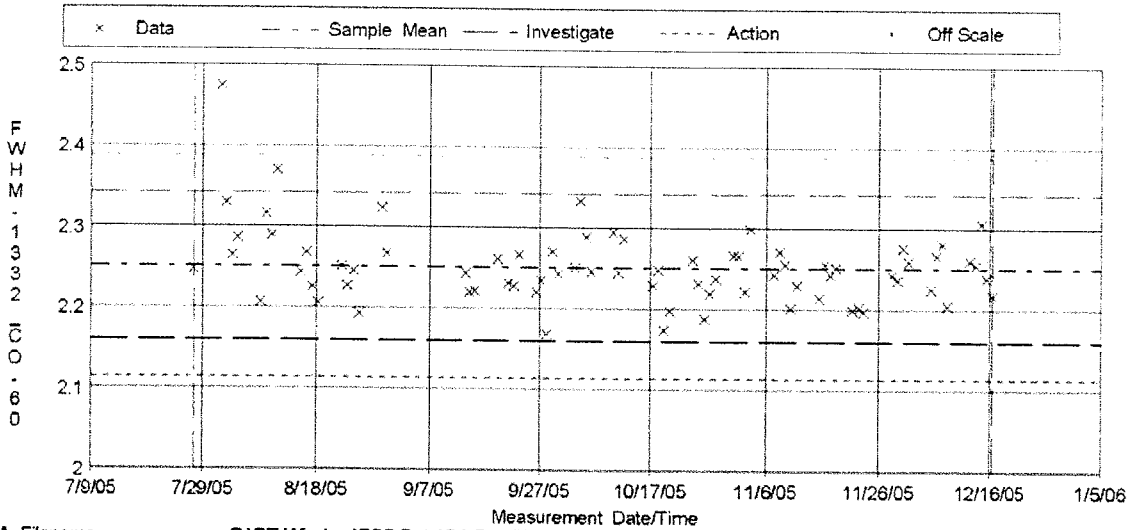


QA Filename : C:\CE Windsor\FSS Data\QA Dec 05\Daily30%1205.QAF
Parameter Description : Peak centroid - 1332 keV (ch)
Selection Dates : 7/27/05 11:56:39 AM - 12/16/05 8:21:48 AM
Lower/Upper Boundaries : 5459.000 - 5465.000

30% HPGe Control Charts

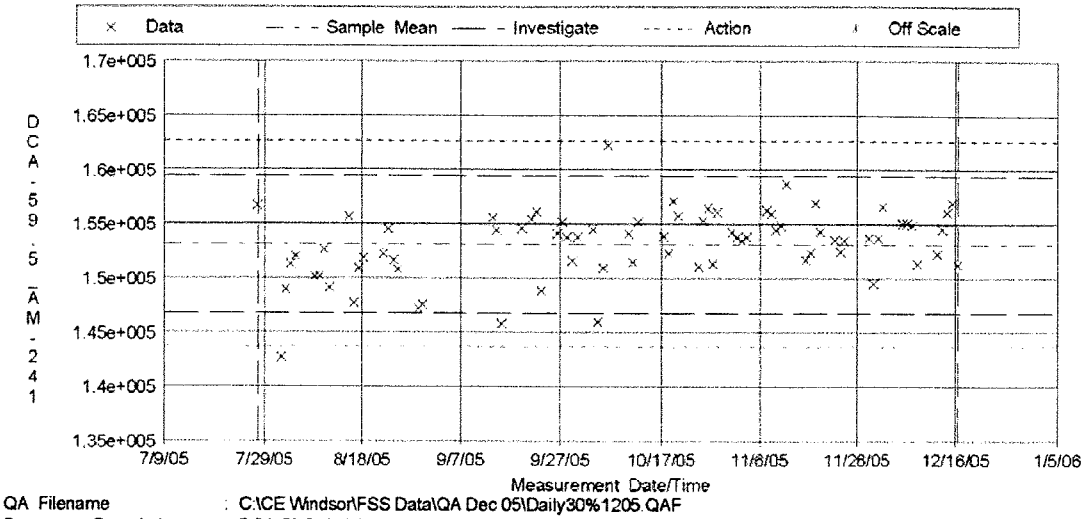


QA Filename : C:\CE Windsor\FSS Data\QA Dec 05\Daily30%1205.QAF
Parameter Description : FWHM-59.5_AM-241 (keV)
Selection Dates : 7/27/05 11:56:39 AM - 12/16/05 8:21:48 AM
Sample Mean +/- Std Dev : 1.029 +/- 0.027

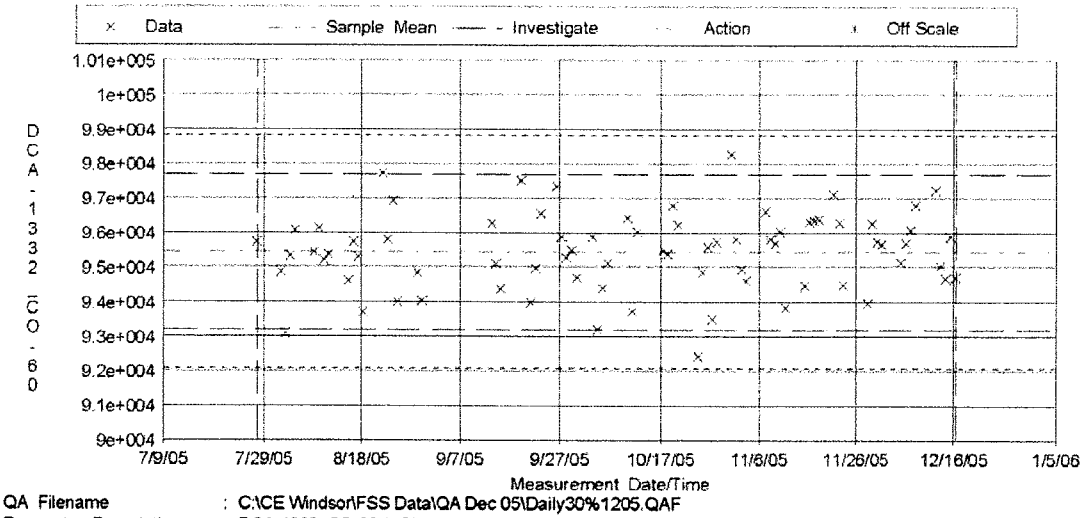


QA Filename : C:\CE Windsor\FSS Data\QA Dec 05\Daily30%1205.QAF
Parameter Description : FWHM-1332_CO-60 (keV)
Selection Dates : 7/27/05 11:56:39 AM - 12/16/05 8:21:48 AM
Sample Mean +/- Std Dev : 2.250 +/- 0.046

30% HPGe Control Charts



QA Filename : C:\CE Windsor\FSS Data\QA Dec 05\Daily30%1205.QAF
Parameter Description : DCA-59.5_AM-241 (pCi)
Selection Dates : 7/27/05 11:56:39 AM - 12/16/05 8:21:48 AM
Sample Mean +/- Std Dev : 1.53e+005 +/- 3.16e+003



QA Filename : C:\CE Windsor\FSS Data\QA Dec 05\Daily30%1205.QAF
Parameter Description : DCA-1332_CO-60 (pCi)
Selection Dates : 7/27/05 11:56:39 AM - 12/16/05 8:21:48 AM
Sample Mean +/- Std Dev : 95438.331 +/- 1.12e+003

****
***** G E N I E Q U A L I T Y A S S U R A N C E *****
****

Full Parameter Results Report
7/26/05 3:16:28 PM

QA File: C:\CE Windsor\GENIE\Bkgd Mar-may
Description: Background counts
Parameter Units: counts
Parameter Type: Background

Sample Start Date: 3/22/04 8:06:25 AM
Sample End Date: 5/10/04 7:44:33 AM
Sample Mean: 2.9293E+004
Sample Std. Deviation: 1.1844E+004

Measurement Time	Sample ID	Analyst	Value (counts)	Flags LU	SD	UD	BS
3/22/04 8:06:25 AM	Background		3.2948E+004				
3/29/04 7:15:11 AM	Background		3.3474E+004				
4/5/04 7:35:02 AM	Background		3.3325E+004				
4/12/04 7:34:08 AM	Weekly		3.3502E+004				
4/19/04 7:21:38 AM	Weekly Bkg		3.3250E+004				
5/3/04 7:42:41 AM	Weekly		2.5340E+003	In			
5/10/04 7:44:33 AM	Weekly BKG		3.6015E+004				

Flags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** G E N I E Q U A L I T Y A S S U R A N C E *****
****

Full Parameter Results Report
7/26/05 3:17:36 PM

ı File: C:\CE Windsor\GENIE\Bkgd Mar-may
:scription: Background count rate
ırameter Units: cps
ırameter Type: Background

ımple Start Date: 3/22/04 8:06:25 AM
ımple End Date: 5/10/04 7:44:33 AM
ımple Mean: 8.1368E+000
ımple Std. Deviation: 3.2900E+000

Measurement Time	Sample ID	Analyst	Value (cps)	Flags LU	SD	UD	BS
3/22/04 8:06:25 AM	Background		9.1522E+000				
3/29/04 7:15:11 AM	Background		9.2983E+000				
4/5/04 7:35:02 AM	Background		9.2569E+000				
4/12/04 7:34:08 AM	Weekly		9.3061E+000				
4/19/04 7:21:38 AM	Weekly Bkg		9.2361E+000				
5/3/04 7:42:41 AM	Weekly		7.0389E-001		In		
5/10/04 7:44:33 AM	Weekly BKG		1.0004E+001				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
****

Full Parameter Results Report
7/26/05 4:52:59 PM

ı File: C:\CE Windsor\GENIE\QC Mar-May 2
escription: Peak centroid - 59.5 keV
ırameter Units: ch
ırameter Type: Peak Search

ımple Start Date: 3/24/04 4:42:22 PM
ımple End Date: 5/10/04 8:48:12 AM
ımple Mean: 1.1945E+002
ımple Std. Deviation: 5.3310E-002

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
3/24/04 4:42:22 PM	Daily Qc		1.1944E+002				
3/25/04 10:45:28 AM	Daily QC		1.1947E+002				
3/26/04 7:42:11 AM	Daily QC		1.1947E+002				
3/29/04 8:19:56 AM	Daily QC		1.1948E+002				
3/30/04 7:15:46 AM	Daily QC		1.1948E+002				
4/2/04 7:42:42 AM	Daily QC 4/2		1.1940E+002				
4/5/04 8:53:57 AM	Daily QC 4/5		1.1939E+002				
4/6/04 9:53:53 AM	Daily QC 4/6		1.1936E+002				
4/7/04 7:27:47 AM	Daily QC 4/7		1.1939E+002				
4/8/04 7:32:56 AM	Daily QC 4/8		1.1940E+002				
4/12/04 11:48:55 AM	Daily QC 4/1		1.1941E+002				
4/13/04 7:59:12 AM	Daily QC		1.1942E+002				
4/14/04 8:46:28 AM	Daily QC 4/1		1.1943E+002				
4/15/04 7:27:21 AM	Daily QC 4/1		1.1944E+002				
4/19/04 8:33:17 AM	Daily QC 4/1		1.1939E+002				
4/20/04 7:12:44 AM	Daily QC 4/2		1.1950E+002				
4/21/04 8:51:48 AM	Daily QC 4/2		1.1945E+002				
4/22/04 7:11:28 AM	Daily QC 4/2		1.1943E+002				
4/23/04 12:04:08 PM	daily qc 4/2		1.1946E+002				
4/28/04 12:40:07 PM	Daily		1.1943E+002				
5/4/04 9:31:03 AM	Daily QA 5-4		1.1955E+002				
5/5/04 7:45:02 AM	Daily QC 5/5		1.1956E+002				
5/6/04 7:02:24 AM	Daily QC 5/6		1.1953E+002				
5/10/04 8:48:12 AM	Daily QC 5/1		1.1952E+002				

ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** G E N I E Q U A L I T Y A S S U R A N C E *****
****

Full Parameter Results Report
7/26/05 4:54:06 PM

ı File: C:\CE Windsor\GENIE\QC Mar-May 2
escription: Peak centroid - 1332 keV
ıarameter Units: ch
ıarameter Type: Peak Search

ımple Start Date: 3/24/04 4:42:22 PM
ımple End Date: 5/10/04 8:48:12 AM
ımple Mean: 2.6659E+003
ımple Std. Deviation: 9.7198E-001

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
3/24/04 4:42:22 PM	Daily Qc		2.6649E+003				
3/25/04 10:45:28 AM	Daily QC		2.6649E+003				
3/26/04 7:42:11 AM	Daily QC		2.6655E+003				
3/29/04 8:19:56 AM	Daily QC		2.6656E+003				
3/30/04 7:15:46 AM	Daily QC		2.6658E+003				
4/2/04 7:42:42 AM	Daily QC 4/2		2.6653E+003				
4/5/04 8:53:57 AM	Daily QC 4/5		2.6653E+003				
4/6/04 9:53:53 AM	Daily QC 4/6		2.6646E+003				
4/7/04 7:27:47 AM	Daily QC 4/7		2.6646E+003				
4/8/04 7:32:56 AM	Daily QC 4/8		2.6652E+003				
4/12/04 11:48:55 AM	Daily QC 4/1		2.6650E+003				
4/13/04 7:59:12 AM	Daily QC		2.6652E+003				
4/14/04 8:46:28 AM	Daily QC 4/1		2.6657E+003				
4/15/04 7:27:21 AM	Daily QC 4/1		2.6663E+003				
4/19/04 8:33:17 AM	Daily QC 4/1		2.6655E+003				
4/20/04 7:12:44 AM	Daily QC 4/2		2.6663E+003				
4/21/04 8:51:48 AM	Daily QC 4/2		2.6662E+003				
4/22/04 7:11:28 AM	Daily QC 4/2		2.6661E+003				
4/23/04 12:04:08 PM	daily qc 4/2		2.6664E+003				
4/28/04 12:40:07 PM	Daily		2.6660E+003				
5/4/04 9:31:03 AM	Daily QA 5-4		2.6678E+003				
5/5/04 7:45:02 AM	Daily QC 5/5		2.6677E+003				
5/6/04 7:02:24 AM	Daily QC 5/6		2.6679E+003		In		
5/10/04 8:48:12 AM	Daily QC 5/1		2.6673E+003				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
****

Full Parameter Results Report
7/26/05 4:55:11 PM

ı File: C:\CE Windsor\GENIE\QC Mar-May 2
escription: FWHM-59.5 AM-241
ırameter Units: keV
ırameter Type: Peak Search

ımple Start Date: 3/24/04 4:42:22 PM
ımple End Date: 5/10/04 8:48:12 AM
ımple Mean: 1.0967E+000
ımple Std. Deviation: 5.7027E-002

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
3/24/04 4:42:22 PM	Daily Qc		1.1993E+000				
3/25/04 10:45:28 AM	Daily QC		1.2041E+000				
3/26/04 7:42:11 AM	Daily QC		1.2133E+000		In		
3/29/04 8:19:56 AM	Daily QC		1.1834E+000				
3/30/04 7:15:46 AM	Daily QC		1.1862E+000				
4/2/04 7:42:42 AM	Daily QC 4/2		1.0849E+000				
4/5/04 8:53:57 AM	Daily QC 4/5		1.0837E+000				
4/6/04 9:53:53 AM	Daily QC 4/6		1.0965E+000				
4/7/04 7:27:47 AM	Daily QC 4/7		1.0909E+000				
4/8/04 7:32:56 AM	Daily QC 4/8		1.0503E+000				
4/12/04 11:48:55 AM	Daily QC 4/1		1.0940E+000				
4/13/04 7:59:12 AM	Daily QC		1.0682E+000				
4/14/04 8:46:28 AM	Daily QC 4/1		1.0990E+000				
4/15/04 7:27:21 AM	Daily QC 4/1		1.0611E+000				
4/19/04 8:33:17 AM	Daily QC 4/1		1.0933E+000				
4/20/04 7:12:44 AM	Daily QC 4/2		1.0219E+000				
4/21/04 8:51:48 AM	Daily QC 4/2		1.0792E+000				
4/22/04 7:11:28 AM	Daily QC 4/2		1.0879E+000				
4/23/04 12:04:08 PM	daily qc 4/2		1.0797E+000				
4/28/04 12:40:07 PM	Daily		1.0423E+000				
5/4/04 9:31:03 AM	Daily QA 5-4		1.0416E+000				
5/5/04 7:45:02 AM	Daily QC 5/5		1.0262E+000				
5/6/04 7:02:24 AM	Daily QC 5/6		1.0717E+000				
5/10/04 8:48:12 AM	Daily QC 5/1		1.0632E+000				

ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
****

Full Parameter Results Report
7/26/05 4:56:16 PM

ı File: C:\CE Windsor\GENIE\QC Mar-May 2
escription: FWHM-1332 CO-60
ırameter Units: keV
ırameter Type: Peak Search

ımple Start Date: 3/24/04 4:42:22 PM
ımple End Date: 5/10/04 8:48:12 AM
ımple Mean: 2.2054E+000
ımple Std. Deviation: 4.2346E-002

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
3/24/04 4:42:22 PM	Daily Qc		2.2165E+000				
3/25/04 10:45:28 AM	Daily QC		2.2853E+000				
3/26/04 7:42:11 AM	Daily QC		2.1654E+000				
3/29/04 8:19:56 AM	Daily QC		2.2365E+000				
3/30/04 7:15:46 AM	Daily QC		2.2270E+000				
4/2/04 7:42:42 AM	Daily QC 4/2		2.2551E+000				
4/5/04 8:53:57 AM	Daily QC 4/5		2.1900E+000				
4/6/04 9:53:53 AM	Daily QC 4/6		2.1663E+000				
4/7/04 7:27:47 AM	Daily QC 4/7		2.2399E+000				
4/8/04 7:32:56 AM	Daily QC 4/8		2.1643E+000				
4/12/04 11:48:55 AM	Daily QC 4/1		2.1848E+000				
4/13/04 7:59:12 AM	Daily QC		2.2593E+000				
4/14/04 8:46:28 AM	Daily QC 4/1		2.1371E+000				
4/15/04 7:27:21 AM	Daily QC 4/1		2.2166E+000				
4/19/04 8:33:17 AM	Daily QC 4/1		2.2369E+000				
4/20/04 7:12:44 AM	Daily QC 4/2		2.1666E+000				
4/21/04 8:51:48 AM	Daily QC 4/2		2.1341E+000				
4/22/04 7:11:28 AM	Daily QC 4/2		2.1681E+000				
4/23/04 12:04:08 PM	daily qc 4/2		2.2024E+000				
4/28/04 12:40:07 PM	Daily		2.1868E+000				
5/4/04 9:31:03 AM	Daily QA 5-4		2.2050E+000				
5/5/04 7:45:02 AM	Daily QC 5/5		2.1825E+000				
5/6/04 7:02:24 AM	Daily QC 5/6		2.2163E+000				
5/10/04 8:48:12 AM	Daily QC 5/1		2.2861E+000				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
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UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
****

Full Parameter Results Report
7/26/05 4:56:44 PM

ı File: C:\CE Windsor\GENIE\QC Mar-May 2
:scription: DCA-59.5 AM-241
ırameter Units: pCi
ırameter Type: Energy line

ımple Start Date: 3/24/04 4:42:22 PM
ımple End Date: 5/10/04 8:48:12 AM
ımple Mean: 4.2169E+005
ımple Std. Deviation: 9.4417E+003

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
3/24/04 4:42:22 PM	Daily Qc		4.2084E+005				
3/25/04 10:45:28 AM	Daily QC		4.0795E+005				
3/26/04 7:42:11 AM	Daily QC		4.0728E+005				
3/29/04 8:19:56 AM	Daily QC		4.3187E+005				
3/30/04 7:15:46 AM	Daily QC		4.1527E+005				
4/2/04 7:42:42 AM	Daily QC 4/2		4.1574E+005				
4/5/04 8:53:57 AM	Daily QC 4/5		4.1686E+005				
4/6/04 9:53:53 AM	Daily QC 4/6		4.4202E+005		In		
4/7/04 7:27:47 AM	Daily QC 4/7		4.2781E+005				
4/8/04 7:32:56 AM	Daily QC 4/8		4.2254E+005				
4/12/04 11:48:55 AM	Daily QC 4/1		4.4061E+005		In		
4/13/04 7:59:12 AM	Daily QC		4.3589E+005				
4/14/04 8:46:28 AM	Daily QC 4/1		4.2635E+005				
4/15/04 7:27:21 AM	Daily QC 4/1		4.2730E+005				
4/19/04 8:33:17 AM	Daily QC 4/1		4.1278E+005				
4/20/04 7:12:44 AM	Daily QC 4/2		4.1723E+005				
4/21/04 8:51:48 AM	Daily QC 4/2		4.1184E+005				
4/22/04 7:11:28 AM	Daily QC 4/2		4.2691E+005				
4/23/04 12:04:08 PM	daily qc 4/2		4.2022E+005				
4/28/04 12:40:07 PM	Daily		4.1943E+005				
5/4/04 9:31:03 AM	Daily QA 5-4		4.1966E+005				
5/5/04 7:45:02 AM	Daily QC 5/5		4.1958E+005				
5/6/04 7:02:24 AM	Daily QC 5/6		4.0994E+005				
5/10/04 8:48:12 AM	Daily QC 5/1		4.2451E+005				

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UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** G E N I E Q U A L I T Y A S S U R A N C E *****
****

Full Parameter Results Report
7/26/05 4:57:05 PM

ı File: C:\CE Windsor\GENIE\QC Mar-May 2
:scription: DCA-1332 CO-60
ırameter Units: pCi
ırameter Type: Energy line

ımple Start Date: 3/24/04 4:42:22 PM
ımple End Date: 5/10/04 8:48:12 AM
ımple Mean: 2.8243E+005
ımple Std. Deviation: 4.3470E+003

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
3/24/04 4:42:22 PM	Daily Qc		2.8419E+005				
3/25/04 10:45:28 AM	Daily QC		2.7638E+005				
3/26/04 7:42:11 AM	Daily QC		2.7436E+005				
3/29/04 8:19:56 AM	Daily QC		2.8391E+005				
3/30/04 7:15:46 AM	Daily QC		2.7459E+005				
4/2/04 7:42:42 AM	Daily QC 4/2		2.7868E+005				
4/5/04 8:53:57 AM	Daily QC 4/5		2.8113E+005				
4/6/04 9:53:53 AM	Daily QC 4/6		2.8786E+005				
4/7/04 7:27:47 AM	Daily QC 4/7		2.8518E+005				
4/8/04 7:32:56 AM	Daily QC 4/8		2.9082E+005				
4/12/04 11:48:55 AM	Daily QC 4/1		2.8021E+005				
4/13/04 7:59:12 AM	Daily QC		2.8238E+005				
4/14/04 8:46:28 AM	Daily QC 4/1		2.8239E+005				
4/15/04 7:27:21 AM	Daily QC 4/1		2.8371E+005				
4/19/04 8:33:17 AM	Daily QC 4/1		2.8229E+005				
4/20/04 7:12:44 AM	Daily QC 4/2		2.7959E+005				
4/21/04 8:51:48 AM	Daily QC 4/2		2.8000E+005				
4/22/04 7:11:28 AM	Daily QC 4/2		2.8845E+005				
4/23/04 12:04:08 PM	daily qc 4/2		2.8710E+005				
4/28/04 12:40:07 PM	Daily		2.8219E+005				
5/4/04 9:31:03 AM	Daily QA 5-4		2.8494E+005				
5/5/04 7:45:02 AM	Daily QC 5/5		2.8766E+005				
5/6/04 7:02:24 AM	Daily QC 5/6		2.8330E+005				
5/10/04 8:48:12 AM	Daily QC 5/1		2.7695E+005				

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BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
****

Full Parameter Results Report
7/28/05 9:46:51 AM

ı File: C:\CE Windsor\FSS Data\Windsor F
:scription: Peak centroid - 59.5 keV
ırameter Units: ch
ırameter Type: Peak Search

›wer Boundary: 2.4200E+002
›per Boundary: 2.4700E+002

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
5/24/04 10:07:32 AM	Daily QC 5/2		2.4422E+002				
5/25/04 7:12:11 AM	Daily QC 5/2		2.4420E+002				
5/26/04 7:21:17 AM	Daily QC 5/2		2.4421E+002				
5/27/04 9:21:45 AM	Daily QC 5/2		2.4420E+002				
6/1/04 7:29:21 AM	Daily QC 6/1		2.4415E+002				
6/2/04 7:12:53 AM	Daily 6/2/04		2.4406E+002				
6/3/04 7:00:49 AM	Daily QC 6/3		2.4419E+002				
6/7/04 6:12:11 AM	Daily QC 6/7		2.4414E+002				
6/8/04 8:04:09 AM	Daily QC 6/8		2.4409E+002				
6/10/04 7:30:57 AM	Daily QC 6/1		2.4420E+002				
6/14/04 8:33:11 AM	Daily QC 6/1		2.4416E+002				
6/16/04 7:25:53 AM	Daily QC 6/1		2.4429E+002				
6/17/04 7:55:32 AM	Daily QC 6/1		2.4419E+002				
6/21/04 8:27:07 AM	Daily QC 6/2		2.4417E+002				
6/22/04 4:04:49 PM	Daily QC 6/2		2.4416E+002				
6/23/04 7:14:59 AM	Daily QC 6/2		2.4417E+002				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
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UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
****

Full Parameter Results Report
7/28/05 9:47:46 AM

ı File: C:\CE Windsor\FSS Data\Windsor F
escription: Peak centroid - 1332 keV
ırameter Units: ch
ırameter Type: Peak Search

ower Boundary: 5.4590E+003
per Boundary: 5.4650E+003

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
5/24/04 10:07:32 AM	Daily QC 5/2		5.4621E+003	:	:	:	
5/25/04 7:12:11 AM	Daily QC 5/2		5.4628E+003	:	:	:	
5/26/04 7:21:17 AM	Daily QC 5/2		5.4626E+003	:	:	:	
5/27/04 9:21:45 AM	Daily QC 5/2		5.4621E+003	:	:	:	
6/1/04 7:29:21 AM	Daily QC 6/1		5.4604E+003	:	:	:	
6/2/04 7:12:53 AM	Daily 6/2/04		5.4595E+003	:	:	:	
6/3/04 7:00:49 AM	Daily QC 6/3		5.4607E+003	:	:	:	
6/7/04 6:12:11 AM	Daily QC 6/7		5.4613E+003	:	:	:	
6/8/04 8:04:09 AM	Daily QC 6/8		5.4610E+003	:	:	:	
6/10/04 7:30:57 AM	Daily QC 6/1		5.4610E+003	:	:	:	
6/14/04 8:33:11 AM	Daily QC 6/1		5.4608E+003	:	:	:	
6/16/04 7:25:53 AM	Daily QC 6/1		5.4617E+003	:	:	:	
6/17/04 7:55:32 AM	Daily QC 6/1		5.4616E+003	:	:	:	
6/21/04 8:27:07 AM	Daily QC 6/2		5.4608E+003	:	:	:	
6/22/04 4:04:49 PM	Daily QC 6/2		5.4609E+003	:	:	:	
6/23/04 7:14:59 AM	Daily QC 6/2		5.4613E+003	:	:	:	

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BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
****

Full Parameter Results Report
7/28/05 9:48:03 AM

ı File: C:\CE Windsor\FSS Data\Windsor F
ɜscription: FWHM-59.5 AM-241
ırameter Units: keV
ırameter Type: Peak Search

ımple Start Date: 5/24/04 10:07:32 AM
ımple End Date: 6/23/04 7:14:59 AM
ımple Mean: 9.9788E-001
ımple Std. Deviation: 1.7210E-002

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
5/24/04 10:07:32 AM	Daily QC 5/2		9.9811E-001				
5/25/04 7:12:11 AM	Daily QC 5/2		9.8530E-001				
5/26/04 7:21:17 AM	Daily QC 5/2		9.8605E-001				
5/27/04 9:21:45 AM	Daily QC 5/2		9.9959E-001				
6/1/04 7:29:21 AM	Daily QC 6/1		9.6998E-001				
6/2/04 7:12:53 AM	Daily 6/2/04		9.8332E-001				
6/3/04 7:00:49 AM	Daily QC 6/3		1.0242E+000				
6/7/04 6:12:11 AM	Daily QC 6/7		1.0093E+000				
6/8/04 8:04:09 AM	Daily QC 6/8		1.0176E+000				
6/10/04 7:30:57 AM	Daily QC 6/1		1.0090E+000				
6/14/04 8:33:11 AM	Daily QC 6/1		9.9911E-001				
6/16/04 7:25:53 AM	Daily QC 6/1		1.0289E+000				
6/17/04 7:55:32 AM	Daily QC 6/1		9.7688E-001				
6/21/04 8:27:07 AM	Daily QC 6/2		9.9640E-001				
6/22/04 4:04:49 PM	Daily QC 6/2		9.7854E-001				
6/23/04 7:14:59 AM	Daily QC 6/2		1.0038E+000				

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BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
****

Full Parameter Results Report
7/28/05 9:48:21 AM

ı File: C:\CE Windsor\FSS Data\Windsor F
ɜscription: FWHM-1332 CO-60
ırameter Units: keV
ırameter Type: Peak Search

ımple Start Date: 5/24/04 10:07:32 AM
ımple End Date: 6/23/04 7:14:59 AM
ımple Mean: 2.1786E+000
ımple Std. Deviation: 3.3682E-002

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
5/24/04 10:07:32 AM	Daily QC 5/2		2.2515E+000		In		
5/25/04 7:12:11 AM	Daily QC 5/2		2.1341E+000				
5/26/04 7:21:17 AM	Daily QC 5/2		2.1624E+000				
5/27/04 9:21:45 AM	Daily QC 5/2		2.1565E+000				
6/1/04 7:29:21 AM	Daily QC 6/1		2.2276E+000				
6/2/04 7:12:53 AM	Daily 6/2/04		2.1698E+000				
6/3/04 7:00:49 AM	Daily QC 6/3		2.1554E+000				
6/7/04 6:12:11 AM	Daily QC 6/7		2.1334E+000				
6/8/04 8:04:09 AM	Daily QC 6/8		2.1457E+000				
6/10/04 7:30:57 AM	Daily QC 6/1		2.2234E+000				
6/14/04 8:33:11 AM	Daily QC 6/1		2.1905E+000				
6/16/04 7:25:53 AM	Daily QC 6/1		2.1686E+000				
6/17/04 7:55:32 AM	Daily QC 6/1		2.1816E+000				
6/21/04 8:27:07 AM	Daily QC 6/2		2.1856E+000				
6/22/04 4:04:49 PM	Daily QC 6/2		2.1710E+000				
6/23/04 7:14:59 AM	Daily QC 6/2		2.2003E+000				

ɹags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
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UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
****

Full Parameter Results Report
7/28/05 9:48:35 AM

ı File: C:\CE Windsor\FSS Data\Windsor F
ɜscription: DCA-59.5 AM-241
ırameter Units: pCi
ırameter Type: Energy line

ımple Start Date: 5/24/04 10:07:32 AM
ımple End Date: 6/23/04 7:14:59 AM
ımple Mean: 4.2450E+005
ımple Std. Deviation: 7.9441E+003

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
5/24/04 10:07:32 AM	Daily QC 5/2		4.1901E+005				
5/25/04 7:12:11 AM	Daily QC 5/2		4.3035E+005				
5/26/04 7:21:17 AM	Daily QC 5/2		4.1526E+005				
5/27/04 9:21:45 AM	Daily QC 5/2		4.3844E+005				
6/1/04 7:29:21 AM	Daily QC 6/1		4.2503E+005				
6/2/04 7:12:53 AM	Daily 6/2/04		4.2062E+005				
6/3/04 7:00:49 AM	Daily QC 6/3		4.2578E+005				
6/7/04 6:12:11 AM	Daily QC 6/7		4.3312E+005				
6/8/04 8:04:09 AM	Daily QC 6/8		4.3613E+005				
6/10/04 7:30:57 AM	Daily QC 6/1		4.2848E+005				
6/14/04 8:33:11 AM	Daily QC 6/1		4.2156E+005				
6/16/04 7:25:53 AM	Daily QC 6/1		4.3259E+005				
6/17/04 7:55:32 AM	Daily QC 6/1		4.1318E+005				
6/21/04 8:27:07 AM	Daily QC 6/2		4.1975E+005				
6/22/04 4:04:49 PM	Daily QC 6/2		4.1508E+005				
6/23/04 7:14:59 AM	Daily QC 6/2		4.1767E+005				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
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UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** G E N I E Q U A L I T Y A S S U R A N C E *****
****

Full Parameter Results Report
7/28/05 9:48:51 AM

ı File: C:\CE Windsor\FSS Data\Windsor F
escription: DCA-1332 CO-60
ırameter Units: pCi
ırameter Type: Energy line

ımple Start Date: 5/24/04 10:07:32 AM
ımple End Date: 6/23/04 7:14:59 AM
ımple Mean: 2.8315E+005
ımple Std. Deviation: 2.8786E+003

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
5/24/04 10:07:32 AM	Daily QC 5/2		2.8093E+005				
5/25/04 7:12:11 AM	Daily QC 5/2		2.8400E+005				
5/26/04 7:21:17 AM	Daily QC 5/2		2.8069E+005				
5/27/04 9:21:45 AM	Daily QC 5/2		2.8042E+005				
6/1/04 7:29:21 AM	Daily QC 6/1		2.8123E+005				
6/2/04 7:12:53 AM	Daily 6/2/04		2.8699E+005				
6/3/04 7:00:49 AM	Daily QC 6/3		2.8333E+005				
6/7/04 6:12:11 AM	Daily QC 6/7		2.7716E+005		In		
6/8/04 8:04:09 AM	Daily QC 6/8		2.8097E+005				
6/10/04 7:30:57 AM	Daily QC 6/1		2.8535E+005				
6/14/04 8:33:11 AM	Daily QC 6/1		2.8164E+005				
6/16/04 7:25:53 AM	Daily QC 6/1		2.8750E+005				
6/17/04 7:55:32 AM	Daily QC 6/1		2.8653E+005				
6/21/04 8:27:07 AM	Daily QC 6/2		2.8393E+005				
6/22/04 4:04:49 PM	Daily QC 6/2		2.8588E+005				
6/23/04 7:14:59 AM	Daily QC 6/2		2.8386E+005				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
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UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

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*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
7/29/05 10:48:36 AM

ı File: C:\CE Windsor\FSS Data\Windsor F
:scription: Background counts
ırameter Units: counts
ırameter Type: Background

ımple Start Date: 5/21/04 10:14:17 AM
ımple End Date: 6/27/05 9:10:02 AM
ımple Mean: 2.9043E+004
ımple Std. Deviation: 3.2606E+003

Measurement Time	Sample ID	Analyst	Value (counts)	Flags LU	SD	UD	BS
5/21/04 10:14:17 AM			2.8696E+004				
5/24/04 7:25:49 AM	Background 5		2.8442E+004				
6/1/04 9:07:16 AM	Weekly BKG		2.8331E+004				
6/7/04 7:22:30 AM	Weekly Bkg		2.9357E+004				
6/15/04 8:00:49 AM	Weekly BKG 6		2.7929E+004				
6/21/04 7:10:05 AM	Weekly BKG		2.7964E+004				
6/28/04 8:05:03 AM	Weekly BKG		2.8152E+004				
7/6/04 7:54:06 AM	Weekly Bkg 7		2.8622E+004				
7/12/04 7:14:51 AM	Weekly BKG		2.8874E+004				
7/19/04 9:11:56 AM	Weekly		2.9876E+004				
7/26/04 8:10:41 AM	Weekly BKG		2.9619E+004				
8/5/04 8:36:51 AM	BKG 8/5/04		2.8524E+004				
8/9/04 7:13:50 AM	Weekly 8/9/0		2.8165E+004				
8/16/04 1:23:53 PM	Weekly		2.9535E+004				
8/30/04 8:10:57 AM	Weekly		3.0377E+004				
9/13/04 7:27:42 AM	Weekly		3.0324E+004				
9/20/04 8:20:03 AM	Weelky		2.7748E+004				
9/27/04 8:15:45 AM	Weekly		2.8976E+004				
10/5/04 8:29:38 AM	Weekly Bkg		2.7905E+004				
10/11/04 7:22:56 AM	Weekly Bkg		2.8833E+004				
10/25/04 9:16:07 AM	bkg 10 25 04		2.8520E+004				
11/1/04 7:43:05 AM	Weekly Bkg.		2.9326E+004				
11/8/04 7:03:31 AM	Weekly Bkg		2.8563E+004				
11/15/04 7:13:02 AM	30-11-15-04		2.8253E+004				
11/22/04 6:59:05 AM	30 11 22 04		2.8800E+004				
11/29/04 6:39:08 AM	30 11 29 04		2.8672E+004				
12/6/04 6:38:30 AM	30 12 06 04		2.8545E+004				
12/13/04 7:11:07 AM	30 12 13 04		2.9434E+004				
12/20/04 7:12:43 AM	Weekly Bkgd		3.0240E+004				
12/27/04 6:43:07 AM	30 12 27 04		3.0289E+004				
1/4/05 6:58:28 AM	30 01 04 05		2.9495E+004				
1/10/05 6:48:27 AM	Weekly Bkg		2.8849E+004				
1/17/05 6:04:07 AM	bkg 01 17 05		3.0152E+004				
1/24/05 6:05:16 AM	Weekly Backg		2.9144E+004				
1/31/05 7:21:40 AM	Background		2.8172E+004				

Measurement Time	Sample ID	Analyst	Value (counts)	Flags LU	SD	UD	BS
2/7/05 6:16:48 AM	background		2.9005E+004				
2/14/05 7:59:13 AM	Weekly Bkg		2.7997E+004				
2/21/05 8:12:47 AM	Weekly Bkg		2.8836E+004				
2/28/05 7:03:05 AM	30 02 28 05		3.1120E+004				
3/7/05 6:55:25 AM	30 03 07 05		7.4480E+003		Ac		
3/14/05 7:06:08 AM	Weekly		2.9055E+004				
3/21/05 8:22:27 AM	weekly		3.1187E+004				
3/28/05 6:05:53 AM	WEEKLY BKGD		3.5492E+004				
4/4/05 6:42:58 AM			3.0448E+004				
4/11/05 6:51:37 AM	WEEKLY BKGD		2.9976E+004				
4/18/05 5:57:36 AM	weekly		3.0248E+004				
4/25/05 6:12:14 AM	WEEKLY		3.0873E+004				
5/1/05 12:40:19 PM	050105-QBC		3.0818E+004				
5/9/05 6:02:28 AM	BKG 30 05 09		3.0298E+004				
5/16/05 5:54:12 AM	bkg 30 05 16		2.9033E+004				
5/23/05 6:20:17 AM	bkg 30 05 23		3.0133E+004				
5/31/05 7:46:57 AM	BKG 05 31 05		2.9062E+004				
6/6/05 5:56:40 AM	30 06 06 05		2.9761E+004				
6/14/05 7:05:09 AM	30 06 14 05		3.3524E+004				
6/27/05 9:10:02 AM	30_06_27_05		3.0350E+004				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
****

Full Parameter Results Report
7/29/05 10:49:18 AM

ı File: C:\CE Windsor\FSS Data\Windsor F
ɜscription: Background count rate
ırameter Units: cps
ırameter Type: Background

ımple Start Date: 5/21/04 10:14:17 AM
ımple End Date: 6/27/05 9:10:02 AM
ımple Mean: 8.1675E+000
ımple Std. Deviation: 3.7610E-001

Measurement Time	Sample ID	Analyst	Value (cps)	Flags LU	SD	UD	BS
5/21/04 10:14:17 AM			7.9711E+000				
5/24/04 7:25:49 AM	Background 5		7.9006E+000				
6/1/04 9:07:16 AM	Weekly BKG		7.8697E+000				
6/7/04 7:22:30 AM	Weekly Bkg		8.1547E+000				
6/15/04 8:00:49 AM	Weekly BKG 6		7.7581E+000				
6/16/04 1:16:31 AM	BKG		7.7656E+000				
6/17/04 1:24:33 AM	BKG		7.8646E+000				
6/21/04 7:10:05 AM	Weekly BKG		7.7678E+000				
6/28/04 8:05:03 AM	Weekly BKG		7.8200E+000				
7/6/04 7:54:06 AM	Weekly Bkg 7		7.9506E+000				
7/12/04 7:14:51 AM	Weekly BKG		8.0206E+000				
7/19/04 9:11:56 AM	Weekly		8.2989E+000				
7/26/04 8:10:41 AM	Weekly BKG		8.2275E+000				
8/5/04 8:36:51 AM	BKG 8/5/04		7.9233E+000				
8/9/04 7:13:50 AM	Weekly 8/9/0		7.8236E+000				
8/16/04 1:23:53 PM	Weekly		8.2042E+000				
8/30/04 8:10:57 AM	Weekly		8.4381E+000				
9/13/04 7:27:42 AM	Weekly		8.4233E+000				
9/20/04 8:20:03 AM	Weelky		7.7078E+000				
9/27/04 8:15:45 AM	Weekly		8.0489E+000				
10/5/04 8:29:38 AM	Weekly Bkg		7.7514E+000				
10/11/04 7:22:56 AM	Weekly Bkg		8.0092E+000				
10/25/04 9:16:07 AM	bkg 10 25 04		7.9222E+000				
11/1/04 7:43:05 AM	Weekly Bkg.		8.1461E+000				
11/8/04 7:03:31 AM	Weekly Bkg		7.9342E+000				
11/15/04 7:13:02 AM	30-11-15-04		7.8481E+000				
11/22/04 6:59:05 AM	30 11 22 04		8.0000E+000				
11/29/04 6:39:08 AM	30 11 29 04		7.9644E+000				
12/6/04 6:38:30 AM	30 12 06 04		7.9292E+000				
12/13/04 7:11:07 AM	30 12 13 04		8.1761E+000				
12/20/04 7:12:43 AM	Weekly Bkgd		8.4000E+000				
12/27/04 6:43:07 AM	30 12 27 04		8.4136E+000				
1/4/05 6:58:28 AM	30 01 04 05		8.1931E+000				
1/10/05 6:48:27 AM	Weekly Bkg		8.0136E+000				
1/17/05 6:04:07 AM	bkg_01_17_05		8.3756E+000				

Measurement Time	Sample ID	Analyst	Value (cps)	Flags LU	SD	UD	BS
1/24/05 6:05:16 AM	Weekly Backg		8.0956E+000				
1/31/05 7:21:40 AM	Background		7.8256E+000				
2/7/05 6:16:48 AM	background		8.0569E+000				
2/14/05 7:59:13 AM	Weekly Bkg		7.7769E+000				
2/21/05 8:12:47 AM	Weekly Bkg		8.0100E+000				
2/28/05 7:03:05 AM	30 02 28 05		8.6444E+000				
3/7/05 6:55:25 AM	30 03 07 05		8.2756E+000				
3/14/05 7:06:08 AM	Weekly		8.0708E+000				
3/21/05 8:22:27 AM	weekly		8.6631E+000				
3/28/05 6:05:53 AM	WEEKLY BKGD		9.8589E+000		Ac		
4/4/05 6:42:58 AM			8.4578E+000				
4/11/05 6:51:37 AM	WEEKLY BKGD		8.3267E+000				
4/18/05 5:57:36 AM	weekly		8.4022E+000				
4/25/05 6:12:14 AM	WEEKLY		8.5758E+000				
5/1/05 12:40:19 PM	050105-QBC		8.5606E+000				
5/9/05 6:02:28 AM	BKG 30 05 09		8.4161E+000				
5/16/05 5:54:12 AM	bkg 30 05 16		8.0647E+000				
5/23/05 6:20:17 AM	bkg 30 05 23		8.3703E+000				
5/31/05 7:46:57 AM	BKG 05 31 05		8.0728E+000				
6/6/05 5:56:40 AM	30 06 06 05		8.2669E+000				
6/14/05 7:05:09 AM	30 06 14 05		9.3122E+000		Ac		
6/27/05 9:10:02 AM	30_06_27_05		8.4306E+000				

ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** G E N I E Q U A L I T Y A S S U R A N C E *****
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Full Parameter Results Report
7/28/05 3:48:43 PM

ı File: C:\CE Windsor\FSS Data\Windsor F
escription: Peak centroid - 59.5 keV
ırameter Units: ch
ırameter Type: Peak Search

)wer Boundary: 2.4200E+002
)per Boundary: 2.4700E+002

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
6/30/04 7:17:12 AM	Daily QC 6/3		2.4422E+002				
7/1/04 7:09:07 AM	Daily QC 7/1		2.4418E+002				
7/6/04 10:26:32 AM	Daily QC 7/6		2.4432E+002				
7/7/04 9:25:03 AM	Daily QC 7/7		2.4417E+002				
7/8/04 7:27:28 AM	Daily QC 7/8		2.4437E+002				
7/12/04 8:17:01 AM	Daily QC 7/1		2.4427E+002				
7/19/04 3:55:01 PM	Weekly		2.4420E+002				
7/26/04 9:16:43 AM	Daily QC 7/2		2.4423E+002				
7/28/04 7:19:31 AM	Daily QC 7/2		2.4427E+002				
7/31/04 7:31:34 AM	Daily QC 7/3		2.4433E+002				
8/3/04 4:25:51 PM	Daily QC 8/3		2.4419E+002				
8/4/04 6:46:10 AM	Daily QC 8/4		2.4416E+002				
8/6/04 7:16:06 AM	Daily QC 8/6		2.4420E+002				
8/7/04 9:17:31 AM	Daily QC		2.4421E+002				
8/9/04 8:24:31 AM	Daily QC 8/9		2.4424E+002				
8/10/04 7:45:52 AM	Daily QC		2.4419E+002				
8/11/04 7:11:14 AM	Daily QC 8/1		2.4415E+002				
8/12/04 7:17:47 AM	Daily QC		2.4428E+002				
8/16/04 1:05:41 PM	Daily QC		2.4446E+002				
8/18/04 7:41:37 AM	Daily QC 8/1		2.4445E+002				
8/19/04 11:39:27 AM	Daily		2.4440E+002				
8/30/04 7:58:37 AM	Daily QC 8/3		2.4425E+002				
8/31/04 8:31:07 AM	Daily QC		2.4417E+002				
9/1/04 6:54:53 AM	Daily		2.4427E+002				
9/15/04 1:56:10 PM	Daily		2.4432E+002				
9/27/04 11:12:20 AM	Daily QC		2.4425E+002				
10/6/04 7:41:20 AM	Daily QC		2.4402E+002				
10/7/04 7:43:32 AM	Daily QC		2.4417E+002				
10/11/04 8:24:50 AM	Daily QC		2.4419E+002				
10/12/04 7:10:27 AM	Daily QC		2.4417E+002				
10/13/04 7:53:28 AM	Daily QC		2.4422E+002				
10/14/04 7:51:07 AM	Daily QC		2.4418E+002				
10/19/04 8:00:20 AM	Daily QC 10/		2.4422E+002				
10/20/04 7:28:53 AM	Daily QC 10/		2.4425E+002				
10/21/04 6:52:44 AM	Daily QC		2.4419E+002				
10/25/04 10:18:26 AM	Daily QC		2.4421E+002				
10/26/04 6:08:00 AM	30_10_26_04		2.4414E+002				

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
10/27/04 6:03:27 AM	30 10 27 04		2.4416E+002	:	:	:	
10/28/04 6:52:00 AM	30 10 28 04		2.4411E+002	:	:	:	
11/1/04 10:35:08 AM	30 11 1 04		2.4422E+002	:	:	:	
11/2/04 6:40:11 AM	30 11 2 04		2.4412E+002	:	:	:	
11/3/04 7:04:49 AM	30 11 04		2.4414E+002	:	:	:	
11/4/04 6:53:45 AM	30 11 04 04		2.4418E+002	:	:	:	
11/8/04 3:22:14 PM	Daily QC 11/		2.4412E+002	:	:	:	
11/9/04 5:52:42 AM	30 11 9 04		2.4412E+002	:	:	:	
11/10/04 6:02:05 AM	30 11 10 04		2.4410E+002	:	:	:	
11/11/04 6:47:24 AM	30 11 11 04		2.4415E+002	:	:	:	
11/12/04 6:46:39 AM	30 11 12 04		2.4407E+002	:	:	:	
11/15/04 8:54:13 AM	30-11-15-04		2.4409E+002	:	:	:	
11/16/04 6:39:32 AM	30 11 16 04		2.4408E+002	:	:	:	
11/17/04 6:41:41 AM	SRS-035		2.4409E+002	:	:	:	
11/18/04 6:35:11 AM	30 11 18 04		2.4405E+002	:	:	:	
11/22/04 8:03:39 AM	30 11 22 04		2.4409E+002	:	:	:	
11/23/04 6:59:36 AM	30 11 23 04		2.4411E+002	:	:	:	
11/24/04 6:01:54 AM	30 11 24 04		2.4411E+002	:	:	:	
11/29/04 7:41:44 AM	30 11 29 04		2.4408E+002	:	:	:	
11/30/04 6:50:37 AM	30 11 30 04		2.4415E+002	:	:	:	
12/1/04 7:58:23 AM	30 12 01 04		2.4412E+002	:	:	:	
12/2/04 6:52:23 AM	30 12 02 04		2.4410E+002	:	:	:	
12/6/04 8:15:51 AM	30 12 06 04		2.4410E+002	:	:	:	
12/7/04 7:05:28 AM	30 12 07 04		2.4416E+002	:	:	:	
12/8/04 6:43:05 AM	30 12 8 04		2.4409E+002	:	:	:	
12/9/04 6:48:09 AM	MAC-0412-106		2.4409E+002	:	:	:	
12/13/04 8:14:52 AM	30 12 13 04		2.4418E+002	:	:	:	
12/14/04 6:27:03 AM	30 12 14 04		2.4417E+002	:	:	:	
12/15/04 6:37:21 AM	30 12 15 04		2.4411E+002	:	:	:	
12/16/04 6:41:50 AM	30 12 16 04		2.4415E+002	:	:	:	
12/20/04 8:26:39 AM	30 12 20 04		2.4405E+002	:	:	:	
12/21/04 6:41:41 AM	30 12 20 04		2.4413E+002	:	:	:	
12/22/04 6:57:44 AM	30 12 22 04		2.4402E+002	:	:	:	
12/27/04 8:08:46 AM	30 12 27 04		2.4402E+002	:	:	:	
12/28/04 6:46:26 AM	30 12 28 04		2.4420E+002	:	:	:	
12/29/04 7:15:11 AM	30 12 29 04		2.4415E+002	:	:	:	
12/30/04 10:27:53 AM	30 12 30 04		2.4417E+002	:	:	:	
1/4/05 8:05:07 AM	30 01 04 05		2.4430E+002	:	:	:	
1/5/05 6:41:51 AM	30 01 05 05		2.4428E+002	:	:	:	
1/6/05 6:14:19 AM	30 01 06 05		2.4422E+002	:	:	:	
1/10/05 8:17:32 AM	30 01 10 05		2.4419E+002	:	:	:	
1/11/05 5:58:41 AM	30 01 11 05		2.4426E+002	:	:	:	
1/12/05 6:00:29 AM	30 01 12 05		2.4423E+002	:	:	:	
1/13/05 5:44:48 AM	30 01 13 05		2.4416E+002	:	:	:	
1/17/05 7:07:25 AM	30 01 17 05		2.4413E+002	:	:	:	
1/18/05 5:57:08 AM	30 01 18 05		2.4416E+002	:	:	:	
1/19/05 5:47:47 AM	30 01 19 05		2.4413E+002	:	:	:	
1/20/05 7:32:10 AM	Daily QC 1/2		2.4417E+002	:	:	:	
1/21/05 11:39:22 AM	012105 QCC		2.4416E+002	:	:	:	
1/24/05 8:30:04 AM	30 01 24 05		2.4417E+002	:	:	:	
1/25/05 6:40:11 AM	30 01 25 05		2.4407E+002	:	:	:	
1/26/05 6:51:16 AM	30 01 26 05		2.4410E+002	:	:	:	
1/31/05 8:24:13 AM	01 31 05		2.4412E+002	:	:	:	
2/1/05 7:28:10 AM	02_01_05		2.4411E+002	:	:	:	

Measurement	Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
2/2/05	6:57:11 AM	02 02 05		2.4414E+002				
2/3/05	7:08:26 AM	02 03 05		2.4408E+002				
2/5/05	1:01:31 PM	QA		2.4413E+002				
2/7/05	5:41:26 AM	QA		2.4413E+002				
2/8/05	7:05:16 AM	02-08-2005		2.4397E+002				
2/9/05	7:20:08 AM	02 09 05		2.4412E+002				
2/10/05	1:18:56 PM	02-10-2005		2.4405E+002				
2/14/05	9:49:31 AM	30 02 14 05		2.4407E+002				
2/15/05	6:52:44 AM	30 02 15 05		2.4406E+002				
2/16/05	7:23:09 AM	30 02 16 05		2.4414E+002				
2/17/05	6:52:42 AM	30 02 17 05		2.4407E+002				
2/21/05	9:30:47 AM	30 02 21 05		2.4406E+002				
2/22/05	6:47:18 AM	30 02 22 05		2.4414E+002				
2/23/05	6:13:35 AM	30 02 23 05		2.4404E+002				
2/24/05	6:33:38 AM	30 02 24 05		2.4407E+002				
2/25/05	9:33:40 AM	Daily QC		2.4405E+002				
2/28/05	1:08:21 PM	30 02 28 05		2.4407E+002				
3/1/05	6:30:44 AM	30 03 01 05		2.4410E+002				
3/2/05	6:44:28 AM	30 03 02 05		2.4416E+002				
3/7/05	7:32:15 AM	Daily QC 3/7		2.4406E+002				
3/8/05	6:44:03 AM	Daily QC 3/8		2.4410E+002				
3/9/05	8:59:54 AM	Daily QC 3/9		2.4418E+002				
3/10/05	6:46:56 AM	QCC		2.4409E+002				
3/14/05	8:11:51 AM	Daily QC		2.4413E+002				
3/15/05	6:45:16 AM	Daily QC 3/1		2.4412E+002				
3/16/05	6:48:46 AM	Daily QC		2.4408E+002				
3/17/05	6:08:01 AM	Daily QC		2.4409E+002				
3/21/05	6:58:48 AM	Daily		2.4414E+002				
3/22/05	6:27:15 AM	3/22/05		2.4408E+002				
3/23/05	6:04:31 AM	DAILY		2.4414E+002				
3/24/05	7:10:02 AM	DAILY		2.4414E+002				
3/25/05	7:14:05 AM	DAILY		2.4409E+002				
3/28/05	7:08:39 AM	daily		2.4414E+002				
3/29/05	6:38:56 AM	DAILY		2.4421E+002				
3/30/05	6:06:39 AM	SRS-035		2.4417E+002				
3/31/05	6:17:41 AM	srs-035		2.4419E+002				
4/1/05	7:34:07 AM	SRS-035		2.4421E+002				
4/4/05	9:03:30 AM	SRS-035		2.4425E+002				
4/5/05	6:06:20 AM	SRS-035		2.4426E+002				
4/6/05	6:44:31 AM	SRS-035		2.4416E+002				
4/7/05	6:59:02 AM	DAILY QC		2.4418E+002				
4/8/05	8:17:26 AM	SRS-035		2.4427E+002				
4/11/05	8:32:11 AM	daily BKGD		2.4421E+002				
4/12/05	6:18:20 AM	SRS-035		2.4416E+002				
4/13/05	6:21:04 AM	DAILY		2.4412E+002				
4/14/05	6:39:59 AM	DAILY QC		2.4420E+002				
4/15/05	7:36:58 AM	DAILY QC		2.4426E+002				
4/19/05	6:28:35 AM	daily		2.4419E+002				
4/21/05	6:32:58 AM	daily		2.4411E+002				
4/21/05	1:30:47 PM	DAILYQC		2.4411E+002				
4/22/05	7:08:15 AM	DAILY QC		2.4426E+002				
4/23/05	8:44:21 AM	DAILY		2.4413E+002				
4/25/05	7:15:47 AM	DAILY QC		2.4417E+002				
4/26/05	6:14:25 AM	Daily QC		2.4427E+002				

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
4/27/05 6:24:03 AM	daily		2.4428E+002				
4/28/05 6:44:57 AM	DAILY		2.4415E+002				
5/1/05 10:55:27 AM	043005-QCC		2.4425E+002				
5/2/05 6:02:55 AM	050205-QCC		2.4420E+002				
5/3/05 5:57:50 AM	050305		2.4426E+002				
5/4/05 6:06:10 AM	30 05 04 05		2.4421E+002				
5/5/05 6:02:07 AM	30 05 05 05		2.4424E+002				
5/7/05 6:11:03 AM	30 05 07 05		2.4409E+002				
5/9/05 7:05:15 AM	30 05 09 05		2.4417E+002				
5/10/05 6:08:30 AM	30 05 10 05		2.4415E+002				
5/11/05 6:10:27 AM	30 05 11 05		2.4420E+002				
5/12/05 6:11:07 AM	30 05 12 05		2.4418E+002				
5/14/05 9:40:17 AM	daily qc		2.4410E+002				
5/15/05 9:52:16 AM	daily qc		2.4412E+002				
5/16/05 7:48:00 AM	30 05 16 05		2.4446E+002				
5/17/05 6:10:29 AM	30 05 17 05		2.4421E+002				
5/18/05 6:03:43 AM	30 05 18 05		2.4419E+002				
5/19/05 5:40:11 AM	30 05 19 05		2.4419E+002				
5/20/05 6:42:11 AM	daily qc		2.4418E+002				
5/22/05 7:52:20 AM	30 06 22 05		2.4418E+002				
5/23/05 8:22:11 AM	30 05 23 05		2.4492E+002				
5/24/05 5:56:11 AM	30 05 24 05		2.4425E+002				
5/25/05 5:41:10 AM	30 05 25 05		2.4429E+002				
5/26/05 6:09:31 AM	30 05 26 05		2.4425E+002				
5/31/05 4:13:19 PM	30 05 31 05		2.4417E+002				
6/1/05 7:04:10 AM	30 06 01 05		2.4431E+002				
6/2/05 9:21:57 AM	30 06 02 05		2.4423E+002				
6/3/05 8:03:34 AM	30 06 03 05		2.4434E+002				
6/6/05 8:47:06 AM	30 06 06 05		2.4420E+002				
6/7/05 6:45:57 AM	30 06 07 05		2.4427E+002				
6/8/05 6:55:20 AM	30 06 08 05		2.4426E+002				
6/9/05 7:34:17 AM	30 06 09 05		2.4416E+002				
6/14/05 3:51:51 PM	30 06 14 05		2.4410E+002				
6/15/05 6:48:42 AM	30_06_15_05		2.4416E+002				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
7/28/05 3:49:01 PM

ı File: C:\CE Windsor\FSS Data\Windsor F
escription: Peak centroid - 1332 keV
ırameter Units: ch
ırameter Type: Peak Search

›wer Boundary: 5.4590E+003
›per Boundary: 5.4650E+003

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
6/30/04 7:17:12 AM	Daily QC 6/3		5.4609E+003				
7/1/04 7:09:07 AM	Daily QC 7/1		5.4609E+003				
7/6/04 10:26:32 AM	Daily QC 7/6		5.4617E+003				
7/7/04 9:25:03 AM	Daily QC 7/7		5.4617E+003				
7/8/04 7:27:28 AM	Daily QC 7/8		5.4617E+003				
7/12/04 8:17:01 AM	Daily QC 7/1		5.4614E+003				
7/19/04 3:55:01 PM	Weekly		5.4616E+003				
7/26/04 9:16:43 AM	Daily QC 7/2		5.4616E+003				
7/28/04 7:19:31 AM	Daily QC 7/2		5.4616E+003				
7/31/04 7:31:34 AM	Daily QC 7/3		5.4619E+003				
8/3/04 4:25:51 PM	Daily QC 8/3		5.4615E+003				
8/4/04 6:46:10 AM	Daily QC 8/4		5.4620E+003				
8/6/04 7:16:06 AM	Daily QC 8/6		5.4616E+003				
8/7/04 9:17:31 AM	Daily QC		5.4610E+003				
8/9/04 8:24:31 AM	Daily QC 8/9		5.4614E+003				
8/10/04 7:45:52 AM	Daily QC		5.4615E+003				
8/11/04 7:11:14 AM	Daily QC 8/1		5.4616E+003				
8/12/04 7:17:47 AM	Daily QC		5.4622E+003				
8/16/04 1:05:41 PM	Daily QC		5.4627E+003				
8/18/04 7:41:37 AM	Daily QC 8/1		5.4629E+003				
8/19/04 11:39:27 AM	Daily		5.4625E+003				
8/30/04 7:58:37 AM	Daily QC 8/3		5.4626E+003				
8/31/04 8:31:07 AM	Daily QC		5.4628E+003				
9/1/04 6:54:53 AM	Daily		5.4627E+003				
9/15/04 1:56:10 PM	Daily		5.4623E+003				
9/27/04 11:12:20 AM	Daily QC		5.4605E+003				
10/6/04 7:41:20 AM	Daily QC		5.4575E+003	Be			
10/7/04 7:43:32 AM	Daily QC		5.4609E+003				
10/11/04 8:24:50 AM	Daily QC		5.4615E+003				
10/12/04 7:10:27 AM	Daily QC		5.4611E+003				
10/13/04 7:53:28 AM	Daily QC		5.4611E+003				
10/14/04 7:51:07 AM	Daily QC		5.4607E+003				
10/19/04 8:00:20 AM	Daily QC 10/		5.4612E+003				
10/20/04 7:28:53 AM	Daily QC 10/		5.4616E+003				
10/21/04 6:52:44 AM	Daily QC		5.4616E+003				
10/25/04 10:18:26 AM	Daily QC		5.4609E+003				
10/26/04 6:08:00 AM	30_10_26_04		5.4611E+003				

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
10/27/04 6:03:27 AM	30 10 27 04		5.4608E+003				
10/28/04 6:52:00 AM	30 10 28 04		5.4610E+003				
11/1/04 10:35:08 AM	30 11 1 04		5.4613E+003				
11/2/04 6:40:11 AM	30 11 2 04		5.4609E+003				
11/3/04 7:04:49 AM	30 11 04		5.4608E+003				
11/4/04 6:53:45 AM	30 11 04 04		5.4608E+003				
11/8/04 3:22:14 PM	Daily QC 11/		5.4602E+003				
11/9/04 5:52:42 AM	30 11 9 04		5.4606E+003				
11/10/04 6:02:05 AM	30 11 10 04		5.4601E+003				
11/11/04 6:47:24 AM	30 11 11 04		5.4599E+003				
11/12/04 6:46:39 AM	30 11 12 04		5.4602E+003				
11/15/04 8:54:13 AM	30-11-15-04		5.4598E+003				
11/16/04 6:39:32 AM	30 11 16 04		5.4600E+003				
11/17/04 6:41:41 AM	SRS-035		5.4603E+003				
11/18/04 6:35:11 AM	30 11 18 04		5.4598E+003				
11/22/04 8:03:39 AM	30 11 22 04		5.4603E+003				
11/23/04 6:59:36 AM	30 11 23 04		5.4602E+003				
11/24/04 6:01:54 AM	30 11 24 04		5.4602E+003				
11/29/04 7:41:44 AM	30 11 29 04		5.4604E+003				
11/30/04 6:50:37 AM	30 11 30 04		5.4606E+003				
12/1/04 7:58:23 AM	30 12 01 04		5.4600E+003				
12/2/04 6:52:23 AM	30 12 02 04		5.4603E+003				
12/6/04 8:15:51 AM	30 12 06 04		5.4593E+003				
12/7/04 7:05:28 AM	30 12 07 04		5.4589E+003	Be:			
12/8/04 6:43:05 AM	30 12 8 04		5.4594E+003				
12/9/04 6:48:09 AM	MAC-0412-106		5.4597E+003				
12/13/04 8:14:52 AM	30 12 13 04		5.4595E+003				
12/14/04 6:27:03 AM	30 12 14 04		5.4596E+003				
12/15/04 6:37:21 AM	30 12 15 04		5.4597E+003				
12/16/04 6:41:50 AM	30 12 16 04		5.4594E+003				
12/20/04 8:26:39 AM	30 12 20 04		5.4588E+003	Be:			
12/21/04 6:41:41 AM	30 12 20 04		5.4584E+003	Be:			
12/22/04 6:57:44 AM	30 12 22 04		5.4591E+003				
12/27/04 8:08:46 AM	30 12 27 04		5.4586E+003	Be:			
12/28/04 6:46:26 AM	30 12 28 04		5.4615E+003				
12/29/04 7:15:11 AM	30 12 29 04		5.4611E+003				
12/30/04 10:27:53 AM	30 12 30 04		5.4605E+003				
1/4/05 8:05:07 AM	30 01 04 05		5.4624E+003				
1/5/05 6:41:51 AM	30 01 05 05		5.4632E+003				
1/6/05 6:14:19 AM	30 01 06 05		5.4625E+003				
1/10/05 8:17:32 AM	30 01 10 05		5.4619E+003				
1/11/05 5:58:41 AM	30 01 11 05		5.4622E+003				
1/12/05 6:00:29 AM	30 01 12 05		5.4622E+003				
1/13/05 5:44:48 AM	30 01 13 05		5.4623E+003				
1/17/05 7:07:25 AM	30 01 17 05		5.4616E+003				
1/18/05 5:57:08 AM	30 01 18 05		5.4610E+003				
1/19/05 5:47:47 AM	30 01 19 05		5.4607E+003				
1/20/05 7:32:10 AM	Daily QC 1/2		5.4612E+003				
1/21/05 11:39:22 AM	012105 QCC		5.4604E+003				
1/24/05 8:30:04 AM	30 01 24 05		5.4598E+003				
1/25/05 6:40:11 AM	30 01 25 05		5.4597E+003				
1/26/05 6:51:16 AM	30 01 26 05		5.4603E+003				
1/31/05 8:24:13 AM	01 31 05		5.4601E+003				
2/1/05 7:28:10 AM	02_01_05		5.4596E+003				

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
2/2/05 6:57:11 AM	02 02 05		5.4603E+003				
2/3/05 7:08:26 AM	02 03 05		5.4600E+003				
2/5/05 1:01:31 PM	QA		5.4612E+003				
2/7/05 5:41:26 AM	QA		5.4605E+003				
2/8/05 7:05:16 AM	02-08-2005		5.4593E+003				
2/9/05 7:20:08 AM	02 09 05		5.4597E+003				
2/10/05 1:18:56 PM	02-10-2005		5.4605E+003				
2/14/05 9:49:31 AM	30 02 14 05		5.4597E+003				
2/15/05 6:52:44 AM	30 02 15 05		5.4597E+003				
2/16/05 7:23:09 AM	30 02 16 05		5.4604E+003				
2/17/05 6:52:42 AM	30 02 17 05		5.4608E+003				
2/21/05 9:30:47 AM	30 02 21 05		5.4592E+003				
2/22/05 6:47:18 AM	30 02 22 05		5.4598E+003				
2/23/05 6:13:35 AM	30 02 23 05		5.4603E+003				
2/24/05 6:33:38 AM	30 02 24 05		5.4603E+003				
2/25/05 9:33:40 AM	Daily QC		5.4597E+003				
2/28/05 1:08:21 PM	30 02 28 05		5.4593E+003				
3/1/05 6:30:44 AM	30 03 01 05		5.4595E+003				
3/2/05 6:44:28 AM	30 03 02 05		5.4597E+003				
3/7/05 7:32:15 AM	Daily QC 3/7		5.4598E+003				
3/8/05 6:44:03 AM	Daily QC 3/8		5.4599E+003				
3/9/05 8:59:54 AM	Daily QC 3/9		5.4611E+003				
3/10/05 6:46:56 AM	QCC		5.4609E+003				
3/14/05 8:11:51 AM	Daily QC		5.4605E+003				
3/15/05 6:45:16 AM	Daily QC 3/1		5.4597E+003				
3/16/05 6:48:46 AM	Daily QC		5.4596E+003				
3/17/05 6:08:01 AM	Daily QC		5.4594E+003				
3/21/05 6:58:48 AM	Daily		5.4604E+003				
3/22/05 6:27:15 AM	3/22/05		5.4610E+003				
3/23/05 6:04:31 AM	DAILY		5.4598E+003				
3/24/05 7:10:02 AM	DAILY		5.4599E+003				
3/25/05 7:14:05 AM	DAILY		5.4602E+003				
3/28/05 7:08:39 AM	daily		5.4608E+003				
3/29/05 6:38:56 AM	DAILY		5.4612E+003				
3/30/05 6:06:39 AM	SRS-035		5.4618E+003				
3/31/05 6:17:41 AM	srs-035		5.4617E+003				
4/1/05 7:34:07 AM	SRS-035		5.4616E+003				
4/4/05 9:03:30 AM	SRS-035		5.4627E+003				
4/5/05 6:06:20 AM	SRS-035		5.4622E+003				
4/6/05 6:44:31 AM	SRS-035		5.4620E+003				
4/7/05 6:59:02 AM	DAILY QC		5.4622E+003				
4/8/05 8:17:26 AM	SRS-035		5.4631E+003				
4/11/05 8:32:11 AM	daily BKGD		5.4620E+003				
4/12/05 6:18:20 AM	SRS-035		5.4617E+003				
4/13/05 6:21:04 AM	DAILY		5.4624E+003				
4/14/05 6:39:59 AM	DAILY QC		5.4623E+003				
4/15/05 7:36:58 AM	DAILY QC		5.4625E+003				
4/19/05 6:28:35 AM	daily		5.4618E+003				
4/21/05 6:32:58 AM	daily		5.4608E+003				
4/21/05 1:30:47 PM	DAILYQC		5.4602E+003				
4/22/05 7:08:15 AM	DAILY QC		5.4617E+003				
4/23/05 8:44:21 AM	DAILY		5.4622E+003				
4/25/05 7:15:47 AM	DAILY QC		5.4631E+003				
4/26/05 6:14:25 AM	Daily QC		5.4626E+003				

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
4/27/05 6:24:03 AM	daily		5.4621E+003				
4/28/05 6:44:57 AM	DAILY		5.4635E+003				
5/1/05 10:55:27 AM	043005-QCC		5.4631E+003				
5/2/05 6:02:55 AM	050205-QCC		5.4631E+003				
5/3/05 5:57:50 AM	050305		5.4624E+003				
5/4/05 6:06:10 AM	30 05 04 05		5.4620E+003				
5/5/05 6:02:07 AM	30 05 05 05		5.4626E+003				
5/7/05 6:11:03 AM	30 05 07 05		5.4607E+003				
5/9/05 7:05:15 AM	30 05 09 05		5.4611E+003				
5/10/05 6:08:30 AM	30 05 10 05		5.4618E+003				
5/11/05 6:10:27 AM	30 05 11 05		5.4618E+003				
5/12/05 6:11:07 AM	30 05 12 05		5.4620E+003				
5/14/05 9:40:17 AM	daily qc		5.4605E+003				
5/15/05 9:52:16 AM	daily qc		5.4608E+003				
5/16/05 7:48:00 AM	30 05 16 05		5.4618E+003				
5/17/05 6:10:29 AM	30 05 17 05		5.4626E+003				
5/18/05 6:03:43 AM	30 05 18 05		5.4621E+003				
5/19/05 5:40:11 AM	30 05 19 05		5.4622E+003				
5/20/05 6:42:11 AM	daily qc		5.4615E+003				
5/22/05 7:52:20 AM	30 06 22 05		5.4603E+003				
5/23/05 8:22:11 AM	30 05 23 05		5.4621E+003				
5/24/05 5:56:11 AM	30 05 24 05		5.4628E+003				
5/25/05 5:41:10 AM	30 05 25 05		5.4631E+003				
5/26/05 6:09:31 AM	30 05 26 05		5.4624E+003				
5/31/05 4:13:19 PM	30 05 31 05		5.4613E+003				
6/1/05 7:04:10 AM	30 06 01 05		5.4627E+003				
6/2/05 9:21:57 AM	30 06 02 05		5.4625E+003				
6/3/05 8:03:34 AM	30 06 03 05		5.4628E+003				
6/6/05 8:47:06 AM	30 06 06 05		5.4629E+003				
6/7/05 6:45:57 AM	30 06 07 05		5.4634E+003				
6/8/05 6:55:20 AM	30 06 08 05		5.4624E+003				
6/9/05 7:34:17 AM	30 06 09 05		5.4630E+003				
6/14/05 3:51:51 PM	30 06 14 05		5.4622E+003				
6/15/05 6:48:42 AM	30_06_15_05		5.4632E+003				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

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*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
7/28/05 3:49:17 PM

File: C:\CE Windsor\FSS Data\Windsor F
scription: FWHM-59.5 AM-241
rameter Units: keV
rameter Type: Peak Search

mple Start Date: 6/30/04 7:17:12 AM
mple End Date: 6/15/05 6:48:42 AM
mple Mean: 1.0186E+000
mple Std. Deviation: 3.4547E-002

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
6/30/04 7:17:12 AM	Daily QC 6/3		9.6304E-001				
7/1/04 7:09:07 AM	Daily QC 7/1		9.9453E-001				
7/6/04 10:26:32 AM	Daily QC 7/6		1.0276E+000				
7/7/04 9:25:03 AM	Daily QC 7/7		9.7855E-001				
7/8/04 7:27:28 AM	Daily QC 7/8		9.8180E-001				
7/12/04 8:17:01 AM	Daily QC 7/1		1.0074E+000				
7/19/04 3:55:01 PM	Weekly		1.0070E+000				
7/26/04 9:16:43 AM	Daily QC 7/2		1.0172E+000				
7/28/04 7:19:31 AM	Daily QC 7/2		9.8658E-001				
7/31/04 7:31:34 AM	Daily QC 7/3		1.0619E+000				
8/3/04 4:25:51 PM	Daily QC 8/3		1.0360E+000				
8/4/04 6:46:10 AM	Daily QC 8/4		1.0046E+000				
8/6/04 7:16:06 AM	Daily QC 8/6		9.5078E-001				
8/7/04 9:17:31 AM	Daily QC		1.0250E+000				
8/9/04 8:24:31 AM	Daily QC 8/9		1.0114E+000				
8/10/04 7:45:52 AM	Daily QC		1.0519E+000				
8/11/04 7:11:14 AM	Daily QC 8/1		9.7846E-001				
8/12/04 7:17:47 AM	Daily QC		9.8152E-001				
8/16/04 1:05:41 PM	Daily QC		1.0349E+000				
8/18/04 7:41:37 AM	Daily QC 8/1		1.0419E+000				
8/19/04 11:39:27 AM	Daily		1.0594E+000				
8/30/04 7:58:37 AM	Daily QC 8/3		1.0196E+000				
8/31/04 8:31:07 AM	Daily QC		9.9570E-001				
9/1/04 6:54:53 AM	Daily		9.6709E-001				
9/15/04 1:56:10 PM	Daily		1.1579E+000		Ac		
9/27/04 11:12:20 AM	Daily QC		1.1472E+000		Ac		
10/6/04 7:41:20 AM	Daily QC		1.0093E+000				
10/7/04 7:43:32 AM	Daily QC		1.0079E+000				
10/11/04 8:24:50 AM	Daily QC		1.0556E+000				
10/12/04 7:10:27 AM	Daily QC		1.0622E+000				
10/13/04 7:53:28 AM	Daily QC		1.0341E+000				
10/14/04 7:51:07 AM	Daily QC		9.8917E-001				
10/19/04 8:00:20 AM	Daily QC 10/		9.8372E-001				
10/20/04 7:28:53 AM	Daily QC 10/		1.0256E+000				
10/21/04 6:52:44 AM	Daily QC		1.0335E+000				

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
10/25/04 10:18:26 AM	Daily QC		1.0568E+000				
10/26/04 6:08:00 AM	30 10 26 04		1.0331E+000				
10/27/04 6:03:27 AM	30 10 27 04		9.9688E-001				
10/28/04 6:52:00 AM	30 10 28 04		1.0527E+000				
11/1/04 10:35:08 AM	30 11 1 04		1.0898E+000		In		
11/2/04 6:40:11 AM	30 11 2 04		1.0161E+000				
11/3/04 7:04:49 AM	30 11 04		1.1102E+000		In		
11/4/04 6:53:45 AM	30 11 04 04		1.0137E+000				
11/8/04 3:22:14 PM	Daily QC 11/		1.0060E+000				
11/9/04 5:52:42 AM	30 11 9 04		1.0591E+000				
11/10/04 6:02:05 AM	30 11 10 04		1.0219E+000				
11/11/04 6:47:24 AM	30 11 11 04		1.0055E+000				
11/12/04 6:46:39 AM	30 11 12 04		9.7906E-001				
11/15/04 8:54:13 AM	30-11-15-04		9.8314E-001				
11/16/04 6:39:32 AM	30 11 16 04		9.6912E-001				
11/17/04 6:41:41 AM	SRS-035		1.0088E+000				
11/18/04 6:35:11 AM	30 11 18 04		9.9617E-001				
11/22/04 8:03:39 AM	30 11 22 04		1.0161E+000				
11/23/04 6:59:36 AM	30 11 23 04		1.0078E+000				
11/24/04 6:01:54 AM	30 11 24 04		9.9287E-001				
11/29/04 7:41:44 AM	30 11 29 04		1.0058E+000				
11/30/04 6:50:37 AM	30 11 30 04		9.9937E-001				
12/1/04 7:58:23 AM	30 12 01 04		9.6320E-001				
12/2/04 6:52:23 AM	30 12 02 04		1.0433E+000				
12/6/04 8:15:51 AM	30 12 06 04		1.0187E+000				
12/7/04 7:05:28 AM	30 12 07 04		1.0165E+000				
12/8/04 6:43:05 AM	30 12 8 04		1.0070E+000				
12/9/04 6:48:09 AM	MAC-0412-106		1.0541E+000				
12/13/04 8:14:52 AM	30 12 13 04		1.0176E+000				
12/14/04 6:27:03 AM	30 12 14 04		1.0018E+000				
12/15/04 6:37:21 AM	30 12 15 04		1.0518E+000				
12/16/04 6:41:50 AM	30 12 16 04		9.9262E-001				
12/20/04 8:26:39 AM	30 12 20 04		9.9741E-001				
12/21/04 6:41:41 AM	30 12 20 04		9.8452E-001				
12/22/04 6:57:44 AM	30 12 22 04		1.0096E+000				
12/27/04 8:08:46 AM	30 12 27 04		1.0163E+000				
12/28/04 6:46:26 AM	30 12 28 04		9.7912E-001				
12/29/04 7:15:11 AM	30 12 29 04		9.9949E-001				
12/30/04 10:27:53 AM	30 12 30 04		1.0108E+000				
1/4/05 8:05:07 AM	30 01 04 05		1.0353E+000				
1/5/05 6:41:51 AM	30 01 05 05		9.8821E-001				
1/6/05 6:14:19 AM	30 01 06 05		1.0276E+000				
1/10/05 8:17:32 AM	30 01 10 05		1.0428E+000				
1/11/05 5:58:41 AM	30 01 11 05		1.0153E+000				
1/12/05 6:00:29 AM	30 01 12 05		1.0189E+000				
1/13/05 5:44:48 AM	30 01 13 05		1.0097E+000				
1/17/05 7:07:25 AM	30 01 17 05		1.0224E+000				
1/18/05 5:57:08 AM	30 01 18 05		1.0095E+000				
1/19/05 5:47:47 AM	30 01 19 05		1.0298E+000				
1/20/05 7:32:10 AM	Daily QC 1/2		1.0007E+000				
1/21/05 11:39:22 AM	012105 QCC		9.9028E-001				
1/24/05 8:30:04 AM	30 01 24 05		9.9435E-001				
1/25/05 6:40:11 AM	30 01 25 05		1.0058E+000				
1/26/05 6:51:16 AM	30_01_26_05		9.9333E-001				

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
1/31/05 8:24:13 AM	01 31 05		1.0381E+000	:	:	:	
2/1/05 7:28:10 AM	02 01 05		1.0227E+000	:	:	:	
2/2/05 6:57:11 AM	02 02 05		1.0179E+000	:	:	:	
2/3/05 7:08:26 AM	02 03 05		1.0263E+000	:	:	:	
2/5/05 1:01:31 PM	QA		9.9561E-001	:	:	:	
2/7/05 5:41:26 AM	QA		1.0032E+000	:	:	:	
2/8/05 7:05:16 AM	02-08-2005		1.0334E+000	:	:	:	
2/9/05 7:20:08 AM	02 09 05		1.0386E+000	:	:	:	
2/10/05 1:18:56 PM	02-10-2005		1.0418E+000	:	:	:	
2/14/05 9:49:31 AM	30 02 14 05		9.9261E-001	:	:	:	
2/15/05 6:52:44 AM	30 02 15 05		9.7471E-001	:	:	:	
2/16/05 7:23:09 AM	30 02 16 05		1.0303E+000	:	:	:	
2/17/05 6:52:42 AM	30 02 17 05		9.9015E-001	:	:	:	
2/21/05 9:30:47 AM	30 02 21 05		1.0447E+000	:	:	:	
2/22/05 6:47:18 AM	30 02 22 05		1.0025E+000	:	:	:	
2/23/05 6:13:35 AM	30 02 23 05		1.0062E+000	:	:	:	
2/24/05 6:33:38 AM	30 02 24 05		1.0035E+000	:	:	:	
2/25/05 9:33:40 AM	Daily QC		9.6656E-001	:	:	:	
2/28/05 1:08:21 PM	30 02 28 05		1.0329E+000	:	:	:	
3/1/05 6:30:44 AM	30 03 01 05		9.8850E-001	:	:	:	
3/2/05 6:44:28 AM	30 03 02 05		1.0488E+000	:	:	:	
3/7/05 7:32:15 AM	Daily QC 3/7		9.9469E-001	:	:	:	
3/8/05 6:44:03 AM	Daily QC 3/8		9.7953E-001	:	:	:	
3/9/05 8:59:54 AM	Daily QC 3/9		9.6421E-001	:	:	:	
3/10/05 6:46:56 AM	QCC		9.8040E-001	:	:	:	
3/14/05 8:11:51 AM	Daily QC		1.0140E+000	:	:	:	
3/15/05 6:45:16 AM	Daily QC 3/1		1.0291E+000	:	:	:	
3/16/05 6:48:46 AM	Daily QC		1.0235E+000	:	:	:	
3/17/05 6:08:01 AM	Daily QC		1.0445E+000	:	:	:	
3/21/05 6:58:48 AM	Daily		9.9840E-001	:	:	:	
3/22/05 6:27:15 AM	3/22/05		1.0218E+000	:	:	:	
3/23/05 6:04:31 AM	DAILY		1.0430E+000	:	:	:	
3/24/05 7:10:02 AM	DAILY		1.0542E+000	:	:	:	
3/25/05 7:14:05 AM	DAILY		9.9045E-001	:	:	:	
3/28/05 7:08:39 AM	daily		1.0109E+000	:	:	:	
3/29/05 6:38:56 AM	DAILY		1.0245E+000	:	:	:	
3/30/05 6:06:39 AM	SRS-035		1.0354E+000	:	:	:	
3/31/05 6:17:41 AM	srs-035		9.8351E-001	:	:	:	
4/1/05 7:34:07 AM	SRS-035		1.0121E+000	:	:	:	
4/4/05 9:03:30 AM	SRS-035		9.7307E-001	:	:	:	
4/5/05 6:06:20 AM	SRS-035		9.6892E-001	:	:	:	
4/6/05 6:44:31 AM	SRS-035		1.0387E+000	:	:	:	
4/7/05 6:59:02 AM	DAILY QC		1.0178E+000	:	:	:	
4/8/05 8:17:26 AM	SRS-035		1.0331E+000	:	:	:	
4/11/05 8:32:11 AM	daily BKGD		1.0424E+000	:	:	:	
4/12/05 6:18:20 AM	SRS-035		1.0259E+000	:	:	:	
4/13/05 6:21:04 AM	DAILY		1.0427E+000	:	:	:	
4/14/05 6:39:59 AM	DAILY QC		1.0206E+000	:	:	:	
4/15/05 7:36:58 AM	DAILY QC		1.0020E+000	:	:	:	
4/19/05 6:28:35 AM	daily		1.0281E+000	:	:	:	
4/21/05 6:32:58 AM	daily		1.0432E+000	:	:	:	
4/21/05 1:30:47 PM	DAILYQC		9.9514E-001	:	:	:	
4/22/05 7:08:15 AM	DAILY QC		9.9158E-001	:	:	:	
4/23/05 8:44:21 AM	DAILY		1.0109E+000	:	:	:	

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
4/25/05 7:15:47 AM	DAILY QC		1.0111E+000				
4/26/05 6:14:25 AM	Daily QC		9.9903E-001				
4/27/05 6:24:03 AM	daily		1.0032E+000				
4/28/05 6:44:57 AM	DAILY		1.0444E+000				
5/1/05 10:55:27 AM	043005-QCC		1.0215E+000				
5/2/05 6:02:55 AM	050205-QCC		1.0086E+000				
5/3/05 5:57:50 AM	050305		1.0038E+000				
5/4/05 6:06:10 AM	30 05 04 05		1.0086E+000				
5/5/05 6:02:07 AM	30 05 05 05		9.9308E-001				
5/7/05 6:11:03 AM	30 05 07 05		1.0589E+000				
5/9/05 7:05:15 AM	30 05 09 05		1.0291E+000				
5/10/05 6:08:30 AM	30 05 10 05		1.0213E+000				
5/11/05 6:10:27 AM	30 05 11 05		9.9289E-001				
5/12/05 6:11:07 AM	30 05 12 05		1.0311E+000				
5/14/05 9:40:17 AM	daily qc		9.9531E-001				
5/15/05 9:52:16 AM	daily qc		9.9238E-001				
5/16/05 7:48:00 AM	30 05 16 05		1.1317E+000		Ac		
5/17/05 6:10:29 AM	30 05 17 05		1.0174E+000				
5/18/05 6:03:43 AM	30 05 18 05		1.0202E+000				
5/19/05 5:40:11 AM	30 05 19 05		1.0222E+000				
5/20/05 6:42:11 AM	daily qc		1.0086E+000				
5/22/05 7:52:20 AM	30 06 22 05		1.0727E+000				
5/23/05 8:22:11 AM	30 05 23 05		1.1809E+000		Ac		
5/24/05 5:56:11 AM	30 05 24 05		1.0005E+000				
5/25/05 5:41:10 AM	30 05 25 05		1.0551E+000				
5/26/05 6:09:31 AM	30 05 26 05		9.8758E-001				
5/31/05 4:13:19 PM	30 05 31 05		1.0062E+000				
6/1/05 7:04:10 AM	30 06 01 05		1.0516E+000				
6/2/05 9:21:57 AM	30 06 02 05		1.0218E+000				
6/3/05 8:03:34 AM	30 06 03 05		1.1136E+000	In			
6/6/05 8:47:06 AM	30 06 06 05		1.0138E+000				
6/7/05 6:45:57 AM	30 06 07 05		1.0116E+000				
6/8/05 6:55:20 AM	30 06 08 05		1.0049E+000				
6/9/05 7:34:17 AM	30 06 09 05		1.0439E+000				
6/14/05 3:51:51 PM	30 06 14 05		1.1084E+000	In			
6/15/05 6:48:42 AM	30_06_15_05		1.0527E+000				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** G E N I E Q U A L I T Y A S S U R A N C E *****
****

Full Parameter Results Report
7/28/05 3:49:30 PM

File: C:\CE Windsor\FSS Data\Windsor F
scription: FWHM-1332 CO-60
rameter Units: keV
rameter Type: Peak Search

mple Start Date: 6/30/04 7:17:12 AM
mple End Date: 6/15/05 6:48:42 AM
mple Mean: 2.2351E+000
mple Std. Deviation: 4.1781E-002

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
6/30/04 7:17:12 AM	Daily QC 6/3		2.2025E+000				
7/1/04 7:09:07 AM	Daily QC 7/1		2.2277E+000				
7/6/04 10:26:32 AM	Daily QC 7/6		2.2850E+000				
7/7/04 9:25:03 AM	Daily QC 7/7		2.2253E+000				
7/8/04 7:27:28 AM	Daily QC 7/8		2.2302E+000				
7/12/04 8:17:01 AM	Daily QC 7/1		2.2212E+000				
7/19/04 3:55:01 PM	Weekly		2.1977E+000				
7/26/04 9:16:43 AM	Daily QC 7/2		2.1804E+000				
7/28/04 7:19:31 AM	Daily QC 7/2		2.1507E+000		In		
7/31/04 7:31:34 AM	Daily QC 7/3		2.2400E+000				
8/3/04 4:25:51 PM	Daily QC 8/3		2.1594E+000				
8/4/04 6:46:10 AM	Daily QC 8/4		2.3122E+000				
8/6/04 7:16:06 AM	Daily QC 8/6		2.1542E+000				
8/7/04 9:17:31 AM	Daily QC		2.1946E+000				
8/9/04 8:24:31 AM	Daily QC 8/9		2.2268E+000				
8/10/04 7:45:52 AM	Daily QC		2.1728E+000				
8/11/04 7:11:14 AM	Daily QC 8/1		2.2043E+000				
8/12/04 7:17:47 AM	Daily QC		2.1896E+000				
8/16/04 1:05:41 PM	Daily QC		2.3238E+000		In		
8/18/04 7:41:37 AM	Daily QC 8/1		2.2486E+000				
8/19/04 11:39:27 AM	Daily		2.2536E+000				
8/30/04 7:58:37 AM	Daily QC 8/3		2.2752E+000				
8/31/04 8:31:07 AM	Daily QC		2.2485E+000				
9/1/04 6:54:53 AM	Daily		2.2311E+000				
9/15/04 1:56:10 PM	Daily		2.3140E+000				
9/27/04 11:12:20 AM	Daily QC		2.3595E+000		In		
10/6/04 7:41:20 AM	Daily QC		2.2630E+000				
10/7/04 7:43:32 AM	Daily QC		2.2225E+000				
10/11/04 8:24:50 AM	Daily QC		2.2166E+000				
10/12/04 7:10:27 AM	Daily QC		2.2210E+000				
10/13/04 7:53:28 AM	Daily QC		2.2234E+000				
10/14/04 7:51:07 AM	Daily QC		2.2272E+000				
10/19/04 8:00:20 AM	Daily QC 10/		2.2245E+000				
10/20/04 7:28:53 AM	Daily QC 10/		2.2421E+000				
10/21/04 6:52:44 AM	Daily QC		2.2070E+000				

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
10/25/04 10:18:26 AM	Daily QC		2.2434E+000				
10/26/04 6:08:00 AM	30 10 26 04		2.2476E+000				
10/27/04 6:03:27 AM	30 10 27 04		2.2782E+000				
10/28/04 6:52:00 AM	30 10 28 04		2.2328E+000				
11/1/04 10:35:08 AM	30 11 1 04		2.2389E+000				
11/2/04 6:40:11 AM	30 11 2 04		2.2570E+000				
11/3/04 7:04:49 AM	30 11 04		2.2385E+000				
11/4/04 6:53:45 AM	30 11 04 04		2.2872E+000				
11/8/04 3:22:14 PM	Daily QC 11/		2.2853E+000				
11/9/04 5:52:42 AM	30 11 9 04		2.2619E+000				
11/10/04 6:02:05 AM	30 11 10 04		2.2573E+000				
11/11/04 6:47:24 AM	30 11 11 04		2.2206E+000				
11/12/04 6:46:39 AM	30 11 12 04		2.1544E+000				
11/15/04 8:54:13 AM	30-11-15-04		2.2888E+000				
11/16/04 6:39:32 AM	30 11 16 04		2.2982E+000				
11/17/04 6:41:41 AM	SRS-035		2.2301E+000				
11/18/04 6:35:11 AM	30 11 18 04		2.1952E+000				
11/22/04 8:03:39 AM	30 11 22 04		2.1882E+000				
11/23/04 6:59:36 AM	30 11 23 04		2.2373E+000				
11/24/04 6:01:54 AM	30 11 24 04		2.2267E+000				
11/29/04 7:41:44 AM	30 11 29 04		2.2024E+000				
11/30/04 6:50:37 AM	30 11 30 04		2.2050E+000				
12/1/04 7:58:23 AM	30 12 01 04		2.2622E+000				
12/2/04 6:52:23 AM	30 12 02 04		2.2596E+000				
12/6/04 8:15:51 AM	30 12 06 04		2.2864E+000				
12/7/04 7:05:28 AM	30 12 07 04		2.2347E+000				
12/8/04 6:43:05 AM	30 12 8 04		2.1895E+000				
12/9/04 6:48:09 AM	MAC-0412-106		2.2412E+000				
12/13/04 8:14:52 AM	30 12 13 04		2.2715E+000				
12/14/04 6:27:03 AM	30 12 14 04		2.2776E+000				
12/15/04 6:37:21 AM	30 12 15 04		2.2658E+000				
12/16/04 6:41:50 AM	30 12 16 04		2.2438E+000				
12/20/04 8:26:39 AM	30 12 20 04		2.2264E+000				
12/21/04 6:41:41 AM	30 12 20 04		2.2603E+000				
12/22/04 6:57:44 AM	30 12 22 04		2.2295E+000				
12/27/04 8:08:46 AM	30 12 27 04		2.2178E+000				
12/28/04 6:46:26 AM	30 12 28 04		2.2642E+000				
12/29/04 7:15:11 AM	30 12 29 04		2.2432E+000				
12/30/04 10:27:53 AM	30 12 30 04		2.2780E+000				
1/4/05 8:05:07 AM	30 01 04 05		2.2620E+000				
1/5/05 6:41:51 AM	30 01 05 05		2.2705E+000				
1/6/05 6:14:19 AM	30 01 06 05		2.2825E+000				
1/10/05 8:17:32 AM	30 01 10 05		2.2754E+000				
1/11/05 5:58:41 AM	30 01 11 05		2.2013E+000				
1/12/05 6:00:29 AM	30 01 12 05		2.2436E+000				
1/13/05 5:44:48 AM	30 01 13 05		2.2260E+000				
1/17/05 7:07:25 AM	30 01 17 05		2.2414E+000				
1/18/05 5:57:08 AM	30 01 18 05		2.2476E+000				
1/19/05 5:47:47 AM	30 01 19 05		2.2035E+000				
1/20/05 7:32:10 AM	Daily QC 1/2		2.1815E+000				
1/21/05 11:39:22 AM	012105 QCC		2.2271E+000				
1/24/05 8:30:04 AM	30 01 24 05		2.2724E+000				
1/25/05 6:40:11 AM	30 01 25 05		2.2666E+000				
1/26/05 6:51:16 AM	30_01_26_05		2.1809E+000				

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
1/31/05 8:24:13 AM	01 31 05		2.2008E+000				
2/1/05 7:28:10 AM	02 01 05		2.2956E+000				
2/2/05 6:57:11 AM	02 02 05		2.1613E+000				
2/3/05 7:08:26 AM	02 03 05		2.2746E+000				
2/5/05 1:01:31 PM	QA		2.2252E+000				
2/7/05 5:41:26 AM	QA		2.2528E+000				
2/8/05 7:05:16 AM	02-08-2005		2.2146E+000				
2/9/05 7:20:08 AM	02 09 05		2.2160E+000				
2/10/05 1:18:56 PM	02-10-2005		2.2699E+000				
2/14/05 9:49:31 AM	30 02 14 05		2.2971E+000				
2/15/05 6:52:44 AM	30 02 15 05		2.2379E+000				
2/16/05 7:23:09 AM	30 02 16 05		2.2219E+000				
2/17/05 6:52:42 AM	30 02 17 05		2.2828E+000				
2/21/05 9:30:47 AM	30 02 21 05		2.1992E+000				
2/22/05 6:47:18 AM	30 02 22 05		2.2446E+000				
2/23/05 6:13:35 AM	30 02 23 05		2.2614E+000				
2/24/05 6:33:38 AM	30 02 24 05		2.1807E+000				
2/25/05 9:33:40 AM	Daily QC		2.2129E+000				
2/28/05 1:08:21 PM	30 02 28 05		2.2591E+000				
3/1/05 6:30:44 AM	30 03 01 05		2.2331E+000				
3/2/05 6:44:28 AM	30 03 02 05		2.2400E+000				
3/7/05 7:32:15 AM	Daily QC 3/7		2.2171E+000				
3/8/05 6:44:03 AM	Daily QC 3/8		2.2165E+000				
3/9/05 8:59:54 AM	Daily QC 3/9		2.2119E+000				
3/10/05 6:46:56 AM	QCC		2.2133E+000				
3/14/05 8:11:51 AM	Daily QC		2.1932E+000				
3/15/05 6:45:16 AM	Daily QC 3/1		2.2156E+000				
3/16/05 6:48:46 AM	Daily QC		2.1869E+000				
3/17/05 6:08:01 AM	Daily QC		2.1629E+000				
3/21/05 6:58:48 AM	Daily		2.2625E+000				
3/22/05 6:27:15 AM	3/22/05		2.2397E+000				
3/23/05 6:04:31 AM	DAILY		2.2293E+000				
3/24/05 7:10:02 AM	DAILY		2.2330E+000				
3/25/05 7:14:05 AM	DAILY		2.1959E+000				
3/28/05 7:08:39 AM	daily		2.2346E+000				
3/29/05 6:38:56 AM	DAILY		2.2091E+000				
3/30/05 6:06:39 AM	SRS-035		2.2119E+000				
3/31/05 6:17:41 AM	srs-035		2.2462E+000				
4/1/05 7:34:07 AM	SRS-035		2.2762E+000				
4/4/05 9:03:30 AM	SRS-035		2.2281E+000				
4/5/05 6:06:20 AM	SRS-035		2.2669E+000				
4/6/05 6:44:31 AM	SRS-035		2.2057E+000				
4/7/05 6:59:02 AM	DAILY QC		2.2274E+000				
4/8/05 8:17:26 AM	SRS-035		2.2209E+000				
4/11/05 8:32:11 AM	daily BKGD		2.2393E+000				
4/12/05 6:18:20 AM	SRS-035		2.2695E+000				
4/13/05 6:21:04 AM	DAILY		2.2402E+000				
4/14/05 6:39:59 AM	DAILY QC		2.1747E+000				
4/15/05 7:36:58 AM	DAILY QC		2.2458E+000				
4/19/05 6:28:35 AM	daily		2.2029E+000				
4/21/05 6:32:58 AM	daily		2.1396E+000	In			
4/21/05 1:30:47 PM	DAILYQC		2.2514E+000				
4/22/05 7:08:15 AM	DAILY QC		2.2313E+000				
4/23/05 8:44:21 AM	DAILY		2.1916E+000				

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
4/25/05 7:15:47 AM	DAILY QC		2.1722E+000				
4/26/05 6:14:25 AM	Daily QC		2.2536E+000				
4/27/05 6:24:03 AM	daily		2.2952E+000				
4/28/05 6:44:57 AM	DAILY		2.1380E+000		In		
5/1/05 10:55:27 AM	043005-QCC		2.2093E+000				
5/2/05 6:02:55 AM	050205-QCC		2.2380E+000				
5/3/05 5:57:50 AM	050305		2.2861E+000				
5/4/05 6:06:10 AM	30 05 04 05		2.3011E+000				
5/5/05 6:02:07 AM	30 05 05 05		2.1262E+000		In		
5/7/05 6:11:03 AM	30 05 07 05		2.2198E+000				
5/9/05 7:05:15 AM	30 05 09 05		2.2027E+000				
5/10/05 6:08:30 AM	30 05 10 05		2.2239E+000				
5/11/05 6:10:27 AM	30 05 11 05		2.2630E+000				
5/12/05 6:11:07 AM	30 05 12 05		2.2502E+000				
5/14/05 9:40:17 AM	daily qc		2.1764E+000				
5/15/05 9:52:16 AM	daily qc		2.2040E+000				
5/16/05 7:48:00 AM	30 05 16 05		2.2517E+000				
5/17/05 6:10:29 AM	30 05 17 05		2.2576E+000				
5/18/05 6:03:43 AM	30 05 18 05		2.2455E+000				
5/19/05 5:40:11 AM	30 05 19 05		2.1900E+000				
5/20/05 6:42:11 AM	daily qc		2.1964E+000				
5/22/05 7:52:20 AM	30 06 22 05		2.3453E+000		In		
5/23/05 8:22:11 AM	30 05 23 05		2.3657E+000		Ac		
5/24/05 5:56:11 AM	30 05 24 05		2.2420E+000				
5/25/05 5:41:10 AM	30 05 25 05		2.2447E+000				
5/26/05 6:09:31 AM	30 05 26 05		2.1861E+000				
5/31/05 4:13:19 PM	30 05 31 05		2.1938E+000				
6/1/05 7:04:10 AM	30 06 01 05		2.3178E+000				
6/2/05 9:21:57 AM	30 06 02 05		2.2496E+000				
6/3/05 8:03:34 AM	30 06 03 05		2.3449E+000		In		
6/6/05 8:47:06 AM	30 06 06 05		2.1602E+000				
6/7/05 6:45:57 AM	30 06 07 05		2.2309E+000				
6/8/05 6:55:20 AM	30 06 08 05		2.2568E+000				
6/9/05 7:34:17 AM	30 06 09 05		2.2171E+000				
6/14/05 3:51:51 PM	30 06 14 05		2.2804E+000				
6/15/05 6:48:42 AM	30_06_15_05		2.2877E+000				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
7/28/05 3:49:38 PM

File: C:\CE Windsor\FSS Data\Windsor F
scription: DCA-59.5 AM-241
rameter Units: pCi
rameter Type: Energy line

mple Start Date: 6/30/04 7:17:12 AM
mple End Date: 6/15/05 6:48:42 AM
mple Mean: 1.5146E+005
mple Std. Deviation: 4.6550E+003

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
6/30/04 7:17:12 AM	Daily QC 6/3		1.4398E+005				
7/1/04 7:09:07 AM	Daily QC 7/1		1.4503E+005				
7/6/04 10:26:32 AM	Daily QC 7/6		1.4310E+005				
7/7/04 9:25:03 AM	Daily QC 7/7		1.4100E+005		In		
7/8/04 7:27:28 AM	Daily QC 7/8		1.4637E+005				
7/12/04 8:17:01 AM	Daily QC 7/1		1.4331E+005				
7/19/04 3:55:01 PM	Weekly		1.4759E+005				
7/26/04 9:16:43 AM	Daily QC 7/2		1.4239E+005				
7/28/04 7:19:31 AM	Daily QC 7/2		1.5346E+005				
7/31/04 7:31:34 AM	Daily QC 7/3		1.5324E+005				
8/3/04 4:25:51 PM	Daily QC 8/3		1.4920E+005				
8/4/04 6:46:10 AM	Daily QC 8/4		1.4310E+005				
8/6/04 7:16:06 AM	Daily QC 8/6		1.3834E+005		In		
8/7/04 9:17:31 AM	Daily QC		1.5095E+005				
8/9/04 8:24:31 AM	Daily QC 8/9		1.5523E+005				
8/10/04 7:45:52 AM	Daily QC		1.4730E+005				
8/11/04 7:11:14 AM	Daily QC 8/1		1.4242E+005				
8/12/04 7:17:47 AM	Daily QC		1.4714E+005				
8/16/04 1:05:41 PM	Daily QC		1.4148E+005		In		
8/18/04 7:41:37 AM	Daily QC 8/1		1.4500E+005				
8/19/04 11:39:27 AM	Daily		1.3977E+005		In		
8/30/04 7:58:37 AM	Daily QC 8/3		1.4506E+005				
8/31/04 8:31:07 AM	Daily QC		1.4136E+005		In		
9/1/04 6:54:53 AM	Daily		1.4749E+005				
9/15/04 1:56:10 PM	Daily		1.4990E+005				
9/27/04 11:12:20 AM	Daily QC		1.4945E+005				
10/6/04 7:41:20 AM	Daily QC		1.4141E+005		In		
10/7/04 7:43:32 AM	Daily QC		1.5111E+005				
10/11/04 8:24:50 AM	Daily QC		1.5385E+005				
10/12/04 7:10:27 AM	Daily QC		1.5291E+005				
10/13/04 7:53:28 AM	Daily QC		1.5298E+005				
10/14/04 7:51:07 AM	Daily QC		1.5457E+005				
10/19/04 8:00:20 AM	Daily QC 10/		1.5448E+005				
10/20/04 7:28:53 AM	Daily QC 10/		1.4958E+005				
10/21/04 6:52:44 AM	Daily QC		1.5273E+005				

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
10/25/04 10:18:26 AM	Daily QC		1.5638E+005				
10/26/04 6:08:00 AM	30 10 26 04		1.5741E+005				
10/27/04 6:03:27 AM	30 10 27 04		1.5202E+005				
10/28/04 6:52:00 AM	30 10 28 04		1.5584E+005				
11/1/04 10:35:08 AM	30 11 1 04		1.5453E+005				
11/2/04 6:40:11 AM	30 11 2 04		1.5016E+005				
11/3/04 7:04:49 AM	30 11 04		1.4936E+005				
11/4/04 6:53:45 AM	30 11 04 04		1.4867E+005				
11/8/04 3:22:14 PM	Daily QC 11/		1.4801E+005				
11/9/04 5:52:42 AM	30 11 9 04		1.5404E+005				
11/10/04 6:02:05 AM	30 11 10 04		1.5400E+005				
11/11/04 6:47:24 AM	30 11 11 04		1.5333E+005				
11/12/04 6:46:39 AM	30 11 12 04		1.5268E+005				
11/15/04 8:54:13 AM	30-11-15-04		1.5123E+005				
11/16/04 6:39:32 AM	30 11 16 04		1.5163E+005				
11/17/04 6:41:41 AM	SRS-035		1.4624E+005				
11/18/04 6:35:11 AM	30 11 18 04		1.5133E+005				
11/22/04 8:03:39 AM	30 11 22 04		1.5295E+005				
11/23/04 6:59:36 AM	30 11 23 04		1.5016E+005				
11/24/04 6:01:54 AM	30 11 24 04		1.5477E+005				
11/29/04 7:41:44 AM	30 11 29 04		1.5315E+005				
11/30/04 6:50:37 AM	30 11 30 04		1.5748E+005				
12/1/04 7:58:23 AM	30 12 01 04		1.4420E+005				
12/2/04 6:52:23 AM	30 12 02 04		1.4728E+005				
12/6/04 8:15:51 AM	30 12 06 04		1.5077E+005				
12/7/04 7:05:28 AM	30 12 07 04		1.4915E+005				
12/8/04 6:43:05 AM	30 12 8 04		1.4468E+005				
12/9/04 6:48:09 AM	MAC-0412-106		1.4957E+005				
12/13/04 8:14:52 AM	30 12 13 04		1.5739E+005				
12/14/04 6:27:03 AM	30 12 14 04		1.5334E+005				
12/15/04 6:37:21 AM	30 12 15 04		1.5100E+005				
12/16/04 6:41:50 AM	30 12 16 04		1.4483E+005				
12/20/04 8:26:39 AM	30 12 20 04		1.4485E+005				
12/21/04 6:41:41 AM	30 12 20 04		1.5365E+005				
12/22/04 6:57:44 AM	30 12 22 04		1.5496E+005				
12/27/04 8:08:46 AM	30 12 27 04		1.5128E+005				
12/28/04 6:46:26 AM	30 12 28 04		1.5010E+005				
12/29/04 7:15:11 AM	30 12 29 04		1.5587E+005				
12/30/04 10:27:53 AM	30 12 30 04		1.6025E+005				
1/4/05 8:05:07 AM	30 01 04 05		1.5171E+005				
1/5/05 6:41:51 AM	30 01 05 05		1.5192E+005				
1/6/05 6:14:19 AM	30 01 06 05		1.5868E+005				
1/10/05 8:17:32 AM	30 01 10 05		1.5345E+005				
1/11/05 5:58:41 AM	30 01 11 05		1.4855E+005				
1/12/05 6:00:29 AM	30 01 12 05		1.6456E+005		In		
1/13/05 5:44:48 AM	30 01 13 05		1.5247E+005				
1/17/05 7:07:25 AM	30 01 17 05		1.5167E+005				
1/18/05 5:57:08 AM	30 01 18 05		1.5622E+005				
1/19/05 5:47:47 AM	30 01 19 05		1.4848E+005				
1/20/05 7:32:10 AM	Daily QC 1/2		1.5762E+005				
1/21/05 11:39:22 AM	012105 QCC		1.5482E+005				
1/24/05 8:30:04 AM	30 01 24 05		1.5317E+005				
1/25/05 6:40:11 AM	30 01 25 05		1.5163E+005				
1/26/05 6:51:16 AM	30_01_26_05		1.5392E+005				

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
1/31/05 8:24:13 AM	01 31 05		1.5246E+005				
2/1/05 7:28:10 AM	02 01 05		1.5664E+005				
2/2/05 6:57:11 AM	02 02 05		1.5723E+005				
2/3/05 7:08:26 AM	02 03 05		1.5217E+005				
2/5/05 1:01:31 PM	QA		1.4710E+005				
2/7/05 5:41:26 AM	QA		1.5205E+005				
2/8/05 7:05:16 AM	02-08-2005		1.4973E+005				
2/9/05 7:20:08 AM	02 09 05		1.4695E+005				
2/10/05 1:18:56 PM	02-10-2005		1.5431E+005				
2/14/05 9:49:31 AM	30 02 14 05		1.4868E+005				
2/15/05 6:52:44 AM	30 02 15 05		1.4900E+005				
2/16/05 7:23:09 AM	30 02 16 05		1.5283E+005				
2/17/05 6:52:42 AM	30 02 17 05		1.5381E+005				
2/21/05 9:30:47 AM	30 02 21 05		1.5203E+005				
2/22/05 6:47:18 AM	30 02 22 05		1.5544E+005				
2/23/05 6:13:35 AM	30 02 23 05		1.5616E+005				
2/24/05 6:33:38 AM	30 02 24 05		1.5120E+005				
2/25/05 9:33:40 AM	Daily QC		1.5161E+005				
2/28/05 1:08:21 PM	30 02 28 05		1.5534E+005				
3/1/05 6:30:44 AM	30 03 01 05		1.5212E+005				
3/2/05 6:44:28 AM	30 03 02 05		1.5351E+005				
3/7/05 7:32:15 AM	Daily QC 3/7		1.5291E+005				
3/8/05 6:44:03 AM	Daily QC 3/8		1.5105E+005				
3/9/05 8:59:54 AM	Daily QC 3/9		1.4958E+005				
3/10/05 6:46:56 AM	QCC		1.4984E+005				
3/14/05 8:11:51 AM	Daily QC		1.5247E+005				
3/15/05 6:45:16 AM	Daily QC 3/1		1.5467E+005				
3/16/05 6:48:46 AM	Daily QC		1.5528E+005				
3/17/05 6:08:01 AM	Daily QC		1.5770E+005				
3/21/05 6:58:48 AM	Daily		1.5816E+005				
3/22/05 6:27:15 AM	3/22/05		1.5299E+005				
3/23/05 6:04:31 AM	DAILY		1.5602E+005				
3/24/05 7:10:02 AM	DAILY		1.5592E+005				
3/25/05 7:14:05 AM	DAILY		1.4453E+005				
3/28/05 7:08:39 AM	daily		1.5444E+005				
3/29/05 6:38:56 AM	DAILY		1.5971E+005				
3/30/05 6:06:39 AM	SRS-035		1.5565E+005				
3/31/05 6:17:41 AM	srs-035		1.4870E+005				
4/1/05 7:34:07 AM	SRS-035		1.4923E+005				
4/4/05 9:03:30 AM	SRS-035		1.5041E+005				
4/5/05 6:06:20 AM	SRS-035		1.5391E+005				
4/6/05 6:44:31 AM	SRS-035		1.5647E+005				
4/7/05 6:59:02 AM	DAILY QC		1.5486E+005				
4/8/05 8:17:26 AM	SRS-035		1.5646E+005				
4/11/05 8:32:11 AM	daily BKGD		1.5009E+005				
4/12/05 6:18:20 AM	SRS-035		1.5393E+005				
4/13/05 6:21:04 AM	DAILY		1.5217E+005				
4/14/05 6:39:59 AM	DAILY QC		1.5026E+005				
4/15/05 7:36:58 AM	DAILY QC		1.5645E+005				
4/19/05 6:28:35 AM	daily		1.5179E+005				
4/21/05 6:32:58 AM	daily		1.3836E+005		In		
4/21/05 1:30:47 PM	DAILYQC		1.5118E+005				
4/22/05 7:08:15 AM	DAILY QC		1.5770E+005				
4/23/05 8:44:21 AM	DAILY		1.4739E+005				

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
4/25/05 7:15:47 AM	DAILY QC		1.4667E+005				
4/26/05 6:14:25 AM	Daily QC		1.5798E+005				
4/27/05 6:24:03 AM	daily		1.5354E+005				
4/28/05 6:44:57 AM	DAILY		1.5307E+005				
5/1/05 10:55:27 AM	043005-QCC		1.5193E+005				
5/2/05 6:02:55 AM	050205-QCC		1.5228E+005				
5/3/05 5:57:50 AM	050305		1.5164E+005				
5/4/05 6:06:10 AM	30 05 04 05		1.5374E+005				
5/5/05 6:02:07 AM	30 05 05 05		1.5353E+005				
5/7/05 6:11:03 AM	30 05 07 05		1.5474E+005				
5/9/05 7:05:15 AM	30 05 09 05		1.5685E+005				
5/10/05 6:08:30 AM	30 05 10 05		1.5447E+005				
5/11/05 6:10:27 AM	30 05 11 05		1.5076E+005				
5/12/05 6:11:07 AM	30 05 12 05		1.5217E+005				
5/14/05 9:40:17 AM	daily qc		1.4970E+005				
5/15/05 9:52:16 AM	daily qc		1.5241E+005				
5/16/05 7:48:00 AM	30 05 16 05		1.5010E+005				
5/17/05 6:10:29 AM	30 05 17 05		1.5815E+005				
5/18/05 6:03:43 AM	30 05 18 05		1.6103E+005		In		
5/19/05 5:40:11 AM	30 05 19 05		1.5079E+005				
5/20/05 6:42:11 AM	daily qc		1.5783E+005				
5/22/05 7:52:20 AM	30 06 22 05		1.4179E+005		In		
5/23/05 8:22:11 AM	30 05 23 05		1.4578E+005				
5/24/05 5:56:11 AM	30 05 24 05		1.5534E+005				
5/25/05 5:41:10 AM	30 05 25 05		1.5518E+005				
5/26/05 6:09:31 AM	30 05 26 05		1.5303E+005				
5/31/05 4:13:19 PM	30 05 31 05		1.5414E+005				
6/1/05 7:04:10 AM	30 06 01 05		1.4467E+005				
6/2/05 9:21:57 AM	30 06 02 05		1.5200E+005				
6/3/05 8:03:34 AM	30 06 03 05		1.4496E+005				
6/6/05 8:47:06 AM	30 06 06 05		1.5869E+005				
6/7/05 6:45:57 AM	30 06 07 05		1.5573E+005				
6/8/05 6:55:20 AM	30 06 08 05		1.5447E+005				
6/9/05 7:34:17 AM	30 06 09 05		1.4898E+005				
6/14/05 3:51:51 PM	30 06 14 05		1.4664E+005				
6/15/05 6:48:42 AM	30_06_15_05		1.5191E+005				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

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*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
7/28/05 3:49:54 PM

File: C:\CE Windsor\FSS Data\Windsor F
scription: DCA-1332 CO-60
rameter Units: pCi
rameter Type: Energy line

mple Start Date: 6/30/04 7:17:12 AM
mple End Date: 6/15/05 6:48:42 AM
mple Mean: 9.5276E+004
mple Std. Deviation: 1.4624E+003

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
6/30/04 7:17:12 AM	Daily QC 6/3		9.5283E+004				
7/1/04 7:09:07 AM	Daily QC 7/1		9.7043E+004				
7/6/04 10:26:32 AM	Daily QC 7/6		9.4457E+004				
7/7/04 9:25:03 AM	Daily QC 7/7		9.6814E+004				
7/8/04 7:27:28 AM	Daily QC 7/8		9.9489E+004		In		
7/12/04 8:17:01 AM	Daily QC 7/1		9.7136E+004				
7/19/04 3:55:01 PM	Weekly		9.3958E+004				
7/26/04 9:16:43 AM	Daily QC 7/2		9.7888E+004				
7/28/04 7:19:31 AM	Daily QC 7/2		9.6805E+004				
7/31/04 7:31:34 AM	Daily QC 7/3		9.1011E+004		In		
8/3/04 4:25:51 PM	Daily QC 8/3		9.3704E+004				
8/4/04 6:46:10 AM	Daily QC 8/4		9.6632E+004				
8/6/04 7:16:06 AM	Daily QC 8/6		9.6350E+004				
8/7/04 9:17:31 AM	Daily QC		9.3408E+004				
8/9/04 8:24:31 AM	Daily QC 8/9		9.3074E+004				
8/10/04 7:45:52 AM	Daily QC		9.5390E+004				
8/11/04 7:11:14 AM	Daily QC 8/1		9.5744E+004				
8/12/04 7:17:47 AM	Daily QC		9.7549E+004				
8/16/04 1:05:41 PM	Daily QC		9.4826E+004				
8/18/04 7:41:37 AM	Daily QC 8/1		9.2684E+004				
8/19/04 11:39:27 AM	Daily		9.2614E+004				
8/30/04 7:58:37 AM	Daily QC 8/3		9.8158E+004				
8/31/04 8:31:07 AM	Daily QC		9.7222E+004				
9/1/04 6:54:53 AM	Daily		9.5558E+004				
9/15/04 1:56:10 PM	Daily		9.3399E+004				
9/27/04 11:12:20 AM	Daily QC		9.5513E+004				
10/6/04 7:41:20 AM	Daily QC		9.4780E+004				
10/7/04 7:43:32 AM	Daily QC		9.5756E+004				
10/11/04 8:24:50 AM	Daily QC		9.5295E+004				
10/12/04 7:10:27 AM	Daily QC		9.6689E+004				
10/13/04 7:53:28 AM	Daily QC		9.5802E+004				
10/14/04 7:51:07 AM	Daily QC		9.4580E+004				
10/19/04 8:00:20 AM	Daily QC 10/		9.5034E+004				
10/20/04 7:28:53 AM	Daily QC 10/		9.5887E+004				
10/21/04 6:52:44 AM	Daily QC		9.5424E+004				

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
10/25/04 10:18:26 AM	Daily QC		9.5950E+004				
10/26/04 6:08:00 AM	30 10 26 04		9.7678E+004				
10/27/04 6:03:27 AM	30 10 27 04		9.5415E+004				
10/28/04 6:52:00 AM	30 10 28 04		9.4388E+004				
11/1/04 10:35:08 AM	30 11 1 04		9.7253E+004				
11/2/04 6:40:11 AM	30 11 2 04		9.5868E+004				
11/3/04 7:04:49 AM	30 11 04		9.6896E+004				
11/4/04 6:53:45 AM	30 11 04 04		9.4570E+004				
11/8/04 3:22:14 PM	Daily QC 11/		9.2975E+004				
11/9/04 5:52:42 AM	30 11 9 04		9.5490E+004				
11/10/04 6:02:05 AM	30 11 10 04		9.3917E+004				
11/11/04 6:47:24 AM	30 11 11 04		9.4957E+004				
11/12/04 6:46:39 AM	30 11 12 04		9.3215E+004				
11/15/04 8:54:13 AM	30-11-15-04		9.4269E+004				
11/16/04 6:39:32 AM	30 11 16 04		9.5825E+004				
11/17/04 6:41:41 AM	SRS-035		9.4372E+004				
11/18/04 6:35:11 AM	30 11 18 04		9.6879E+004				
11/22/04 8:03:39 AM	30 11 22 04		9.4629E+004				
11/23/04 6:59:36 AM	30 11 23 04		9.4783E+004				
11/24/04 6:01:54 AM	30 11 24 04		9.6650E+004				
11/29/04 7:41:44 AM	30 11 29 04		9.4319E+004				
11/30/04 6:50:37 AM	30 11 30 04		9.5782E+004				
12/1/04 7:58:23 AM	30 12 01 04		9.1686E+004		In		
12/2/04 6:52:23 AM	30 12 02 04		9.6532E+004				
12/6/04 8:15:51 AM	30 12 06 04		9.4286E+004				
12/7/04 7:05:28 AM	30 12 07 04		9.3575E+004				
12/8/04 6:43:05 AM	30 12 8 04		9.2943E+004				
12/9/04 6:48:09 AM	MAC-0412-106		9.3555E+004				
12/13/04 8:14:52 AM	30 12 13 04		9.4852E+004				
12/14/04 6:27:03 AM	30 12 14 04		9.5268E+004				
12/15/04 6:37:21 AM	30 12 15 04		9.5360E+004				
12/16/04 6:41:50 AM	30 12 16 04		9.3364E+004				
12/20/04 8:26:39 AM	30 12 20 04		9.5775E+004				
12/21/04 6:41:41 AM	30 12 20 04		9.6615E+004				
12/22/04 6:57:44 AM	30 12 22 04		9.4592E+004				
12/27/04 8:08:46 AM	30 12 27 04		9.5127E+004				
12/28/04 6:46:26 AM	30 12 28 04		9.7796E+004				
12/29/04 7:15:11 AM	30 12 29 04		9.5679E+004				
12/30/04 10:27:53 AM	30 12 30 04		9.5056E+004				
1/4/05 8:05:07 AM	30 01 04 05		9.6402E+004				
1/5/05 6:41:51 AM	30 01 05 05		9.4589E+004				
1/6/05 6:14:19 AM	30 01 06 05		9.6925E+004				
1/10/05 8:17:32 AM	30 01 10 05		9.7687E+004				
1/11/05 5:58:41 AM	30 01 11 05		9.4337E+004				
1/12/05 6:00:29 AM	30 01 12 05		9.4827E+004				
1/13/05 5:44:48 AM	30 01 13 05		9.5244E+004				
1/17/05 7:07:25 AM	30 01 17 05		9.4310E+004				
1/18/05 5:57:08 AM	30 01 18 05		9.6831E+004				
1/19/05 5:47:47 AM	30 01 19 05		9.4448E+004				
1/20/05 7:32:10 AM	Daily QC 1/2		9.5980E+004				
1/21/05 11:39:22 AM	012105 QCC		9.4439E+004				
1/24/05 8:30:04 AM	30 01 24 05		9.4025E+004				
1/25/05 6:40:11 AM	30 01 25 05		9.5107E+004				
1/26/05 6:51:16 AM	30_01_26_05		9.6610E+004				

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
1/31/05 8:24:13 AM	01 31 05		9.3960E+004				
2/1/05 7:28:10 AM	02 01 05		9.6580E+004				
2/2/05 6:57:11 AM	02 02 05		9.3815E+004				
2/3/05 7:08:26 AM	02 03 05		9.3428E+004				
2/5/05 1:01:31 PM	QA		9.5841E+004				
2/7/05 5:41:26 AM	QA		9.4022E+004				
2/8/05 7:05:16 AM	02-08-2005		9.4959E+004				
2/9/05 7:20:08 AM	02 09 05		9.3171E+004				
2/10/05 1:18:56 PM	02-10-2005		9.8695E+004		In		
2/14/05 9:49:31 AM	30 02 14 05		9.6416E+004				
2/15/05 6:52:44 AM	30 02 15 05		9.4958E+004				
2/16/05 7:23:09 AM	30 02 16 05		9.5389E+004				
2/17/05 6:52:42 AM	30 02 17 05		9.6984E+004				
2/21/05 9:30:47 AM	30 02 21 05		9.5132E+004				
2/22/05 6:47:18 AM	30 02 22 05		9.5588E+004				
2/23/05 6:13:35 AM	30 02 23 05		9.5263E+004				
2/24/05 6:33:38 AM	30 02 24 05		9.5078E+004				
2/25/05 9:33:40 AM	Daily QC		9.7077E+004				
2/28/05 1:08:21 PM	30 02 28 05		9.4721E+004				
3/1/05 6:30:44 AM	30 03 01 05		9.5960E+004				
3/2/05 6:44:28 AM	30 03 02 05		9.2942E+004				
3/7/05 7:32:15 AM	Daily QC 3/7		9.5495E+004				
3/8/05 6:44:03 AM	Daily QC 3/8		9.5816E+004				
3/9/05 8:59:54 AM	Daily QC 3/9		9.6013E+004				
3/10/05 6:46:56 AM	QCC		9.5201E+004				
3/14/05 8:11:51 AM	Daily QC		9.5145E+004				
3/15/05 6:45:16 AM	Daily QC 3/1		9.3326E+004				
3/16/05 6:48:46 AM	Daily QC		9.5286E+004				
3/17/05 6:08:01 AM	Daily QC		9.2868E+004				
3/21/05 6:58:48 AM	Daily		9.7385E+004				
3/22/05 6:27:15 AM	3/22/05		9.5375E+004				
3/23/05 6:04:31 AM	DAILY		9.8086E+004				
3/24/05 7:10:02 AM	DAILY		9.4488E+004				
3/25/05 7:14:05 AM	DAILY		9.2655E+004				
3/28/05 7:08:39 AM	daily		9.3707E+004				
3/29/05 6:38:56 AM	DAILY		9.7083E+004				
3/30/05 6:06:39 AM	SRS-035		9.5343E+004				
3/31/05 6:17:41 AM	srs-035		9.4284E+004				
4/1/05 7:34:07 AM	SRS-035		9.3691E+004				
4/4/05 9:03:30 AM	SRS-035		9.6293E+004				
4/5/05 6:06:20 AM	SRS-035		9.9036E+004		In		
4/6/05 6:44:31 AM	SRS-035		9.5472E+004				
4/7/05 6:59:02 AM	DAILY QC		9.6491E+004				
4/8/05 8:17:26 AM	SRS-035		9.5398E+004				
4/11/05 8:32:11 AM	daily BKGD		9.3443E+004				
4/12/05 6:18:20 AM	SRS-035		9.4253E+004				
4/13/05 6:21:04 AM	DAILY		9.6954E+004				
4/14/05 6:39:59 AM	DAILY QC		9.4545E+004				
4/15/05 7:36:58 AM	DAILY QC		9.6523E+004				
4/19/05 6:28:35 AM	daily		9.7957E+004				
4/21/05 6:32:58 AM	daily		9.2821E+004				
4/21/05 1:30:47 PM	DAILYQC		9.4977E+004				
4/22/05 7:08:15 AM	DAILY QC		9.4754E+004				
4/23/05 8:44:21 AM	DAILY		9.4689E+004				

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
4/25/05 7:15:47 AM	DAILY QC		9.5365E+004				
4/26/05 6:14:25 AM	Daily QC		9.4213E+004				
4/27/05 6:24:03 AM	daily		9.4732E+004				
4/28/05 6:44:57 AM	DAILY		9.4671E+004				
5/1/05 10:55:27 AM	043005-QCC		9.4749E+004				
5/2/05 6:02:55 AM	050205-QCC		9.4717E+004				
5/3/05 5:57:50 AM	050305		9.3268E+004				
5/4/05 6:06:10 AM	30 05 04 05		9.6870E+004				
5/5/05 6:02:07 AM	30 05 05 05		9.7931E+004				
5/7/05 6:11:03 AM	30 05 07 05		9.4856E+004				
5/9/05 7:05:15 AM	30 05 09 05		9.3498E+004				
5/10/05 6:08:30 AM	30 05 10 05		9.5715E+004				
5/11/05 6:10:27 AM	30 05 11 05		9.5928E+004				
5/12/05 6:11:07 AM	30 05 12 05		9.4173E+004				
5/14/05 9:40:17 AM	daily qc		9.6958E+004				
5/15/05 9:52:16 AM	daily qc		9.5707E+004				
5/16/05 7:48:00 AM	30 05 16 05		9.3298E+004				
5/17/05 6:10:29 AM	30 05 17 05		9.7910E+004				
5/18/05 6:03:43 AM	30 05 18 05		9.5843E+004				
5/19/05 5:40:11 AM	30 05 19 05		9.5013E+004				
5/20/05 6:42:11 AM	daily qc		9.5629E+004				
5/22/05 7:52:20 AM	30 06 22 05		9.5694E+004				
5/23/05 8:22:11 AM	30 05 23 05		9.6746E+004				
5/24/05 5:56:11 AM	30 05 24 05		9.5407E+004				
5/25/05 5:41:10 AM	30 05 25 05		9.5264E+004				
5/26/05 6:09:31 AM	30 05 26 05		9.5533E+004				
5/31/05 4:13:19 PM	30 05 31 05		9.5327E+004				
6/1/05 7:04:10 AM	30 06 01 05		9.2891E+004				
6/2/05 9:21:57 AM	30 06 02 05		9.4789E+004				
6/3/05 8:03:34 AM	30 06 03 05		9.5220E+004				
6/6/05 8:47:06 AM	30 06 06 05		9.6876E+004				
6/7/05 6:45:57 AM	30 06 07 05		9.6206E+004				
6/8/05 6:55:20 AM	30 06 08 05		9.5950E+004				
6/9/05 7:34:17 AM	30 06 09 05		9.4913E+004				
6/14/05 3:51:51 PM	30 06 14 05		9.2407E+004				
6/15/05 6:48:42 AM	30_06_15_05		9.4358E+004				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
3/8/06 3:13:51 PM

File: C:\CE Windsor\FSS Data\QA Dec 05
scription: Background counts
rameter Units: counts
rameter Type: Background

mple Start Date: 7/25/05 9:24:35 AM
mple End Date: 12/12/05 10:48:49 AM
mple Mean: 3.9614E+004
mple Std. Deviation: 1.2757E+003

Measurement Time	Sample ID	Analyst	Value (counts)	Flags LU	SD	UD	BS
7/25/05 9:24:35 AM	30 07 25 05		4.0282E+004				
8/1/05 6:55:37 AM	Bkd 08 01 05		4.0214E+004				
8/9/05 8:07:32 AM	30 08 09 05		3.9667E+004				
8/15/05 7:41:28 AM	30 08 15 05		3.7844E+004				
8/22/05 6:14:00 AM	30 08 22 05		3.9869E+004				
8/29/05 7:23:13 AM	30 08 05 29		3.8596E+004				
9/13/05 7:06:41 AM	30 09 05 13		4.1339E+004				
9/19/05 7:12:16 AM	30 09 19 05		4.0845E+004				
9/26/05 7:41:51 AM	30-09-26-05		3.5728E+004		Ac		
10/3/05 7:46:23 AM	30-10-03-05		4.0075E+004				
10/10/05 7:36:07 AM	30 10 10 05		4.0296E+004				
10/17/05 7:37:41 AM	30 10 17 05		4.0062E+004				
10/24/05 7:40:49 AM	30 10 24 05		4.0377E+004				
10/31/05 7:25:11 AM	30 10 31 05		4.0088E+004				
11/7/05 10:15:57 AM	30 11 07 05		3.9947E+004				
11/21/05 8:00:22 AM	30 11 21 05		3.8398E+004				
11/28/05 7:25:23 AM	bkg 11 28 05		4.0533E+004				
12/5/05 8:36:20 AM	bkg 12 05 05		3.9631E+004				
12/12/05 10:48:49 AM	bkg_12_12_05		3.8881E+004				

ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
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BS = Measurement Bias Test (In = Investigate, Ac = Action)

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*** G E N I E Q U A L I T Y A S S U R A N C E *****
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Full Parameter Results Report
3/8/06 3:14:03 PM

ı File: C:\CE Windsor\FSS Data\QA Dec 05
:scription: Background count rate
ırameter Units: cps
ırameter Type: Background

ımple Start Date: 7/25/05 9:24:35 AM
ımple End Date: 12/12/05 10:48:49 AM
ımple Mean: 1.1004E+001
ımple Std. Deviation: 3.5435E-001

Measurement Time	Sample ID	Analyst	Value (cps)	Flags LU	SD	UD	BS
7/25/05 9:24:35 AM	30 07 25 05		1.1189E+001				
8/1/05 6:55:37 AM	Bkd 08 01 05		1.1171E+001				
8/9/05 8:07:32 AM	30 08 09 05		1.1019E+001				
8/15/05 7:41:28 AM	30 08 15 05		1.0512E+001				
8/22/05 6:14:00 AM	30 08 22 05		1.1075E+001				
8/29/05 7:23:13 AM	30 08 05 29		1.0721E+001				
9/13/05 7:06:41 AM	30 09 05 13		1.1483E+001				
9/19/05 7:12:16 AM	30 09 19 05		1.1346E+001				
9/26/05 7:41:51 AM	30-09-26-05		9.9244E+000		Ac		
10/3/05 7:46:23 AM	30-10-03-05		1.1132E+001				
10/10/05 7:36:07 AM	30 10 10 05		1.1193E+001				
10/17/05 7:37:41 AM	30 10 17 05		1.1128E+001				
10/24/05 7:40:49 AM	30 10 24 05		1.1216E+001				
10/31/05 7:25:11 AM	30 10 31 05		1.1136E+001				
11/7/05 10:15:57 AM	30 11 07 05		1.1096E+001				
11/21/05 8:00:22 AM	30 11 21 05		1.0666E+001				
11/28/05 7:25:23 AM	bkg 11 28 05		1.1259E+001				
12/5/05 8:36:20 AM	bkg 12 05 05		1.1009E+001				
12/12/05 10:48:49 AM	bkg_12_12_05		1.0800E+001				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
3/8/06 3:10:37 PM

File: C:\CE Windsor\FSS Data\QA Dec 05
scription: Peak centroid - 59.5 keV
rameter Units: ch
rameter Type: Peak Search

wer Boundary: 2.4200E+002
per Boundary: 2.4700E+002

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
7/27/05 11:56:39 AM	30 07 27 05		2.4433E+002				
8/1/05 8:30:21 AM	30 08 01 05		2.4427E+002				
8/2/05 7:02:45 AM	30 08 02 05		2.4416E+002				
8/3/05 7:05:52 AM	30 08 03 05		2.4410E+002				
8/4/05 7:10:14 AM	30 08 04 05		2.4410E+002				
8/8/05 7:15:01 AM	30 08 05 08		2.4411E+002				
8/9/05 7:16:07 AM	30 08 09 05		2.4415E+002				
8/10/05 6:04:11 AM	30 08 10 05		2.4414E+002				
8/11/05 6:26:45 AM	30 08 11 05		2.4422E+002				
8/15/05 7:24:53 AM	30 08 15 05		2.4412E+002				
8/16/05 6:57:55 AM	30 08 16 05		2.4425E+002				
8/17/05 6:06:15 AM	30 08 17 05		2.4412E+002				
8/18/05 6:16:40 AM	30 08 18 05		2.4417E+002				
8/22/05 7:17:54 AM	30 08 22 05		2.4416E+002				
8/23/05 7:00:03 AM	30 08 23 05		2.4416E+002				
8/24/05 9:41:26 AM	30 08 05 24		2.4424E+002				
8/25/05 7:18:26 AM	30 08 05 25		2.4417E+002				
8/29/05 10:00:32 AM	30 08 05 29		2.4418E+002				
8/30/05 7:01:56 AM	30 08 05 30		2.4417E+002				
9/13/05 1:32:30 PM	30 09 05 13		2.4417E+002				
9/14/05 7:03:48 AM	30 09 14 05		2.4422E+002				
9/15/05 6:56:21 AM	30 09 15 05		2.4419E+002				
9/19/05 9:33:24 AM	30 09 19 05		2.4423E+002				
9/21/05 7:07:15 AM	30 09 21 05		2.4424E+002				
9/22/05 7:21:36 AM	30 09 22 05		2.4419E+002				
9/23/05 7:35:00 AM	30 09 23 05		2.4412E+002				
9/26/05 9:15:13 AM	30-09-26-05		2.4419E+002				
9/27/05 7:26:37 AM	30-09-27-05		2.4424E+002				
9/28/05 7:07:09 AM	30-09-28-05		2.4423E+002				
9/29/05 7:13:36 AM	30-09-29-05		2.4425E+002				
9/30/05 7:49:13 AM	30-09-30-05		2.4416E+002				
10/3/05 9:06:48 AM	30-10-03-05		2.4424E+002				
10/4/05 7:28:16 AM	30 10 04 05		2.4426E+002				
10/5/05 8:43:30 AM	30 10 05 05		2.4426E+002				
10/6/05 7:56:31 AM	30 10 06 05		2.4422E+002				
10/10/05 8:58:04 AM	30 10 10 05		2.4429E+002				
10/11/05 7:20:03 AM	30_10_11_05		2.4427E+002				

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
10/12/05 7:28:08 AM	30 10 12 05		2.4428E+002	:	:	:	
10/17/05 8:46:29 AM	30 10 17 05		2.4439E+002	:	:	:	
10/18/05 7:40:13 AM	30 10 18 05		2.4421E+002	:	:	:	
10/19/05 7:28:23 AM	30 10 19 05		2.4420E+002	:	:	:	
10/20/05 8:44:50 AM	30 10 20 05		2.4420E+002	:	:	:	
10/24/05 9:24:16 AM	30 10 24 05		2.4437E+002	:	:	:	
10/25/05 7:10:21 AM	30 10 05 25		2.4421E+002	:	:	:	
10/26/05 8:46:09 AM	30 10 05 26		2.4416E+002	:	:	:	
10/27/05 7:27:22 AM	30 10 05 27		2.4426E+002	:	:	:	
10/28/05 7:25:05 AM	30 10 05 28		2.4426E+002	:	:	:	
10/31/05 9:04:26 AM	30 10 31 05		2.4420E+002	:	:	:	
11/1/05 7:54:26 AM	30 11 01 05		2.4431E+002	:	:	:	
11/2/05 8:18:42 AM	30 11 02 05		2.4420E+002	:	:	:	
11/3/05 7:18:22 AM	30 11 03 05		2.4412E+002	:	:	:	
11/7/05 8:59:07 AM	30 11 05 07		2.4418E+002	:	:	:	
11/8/05 8:50:32 AM	30 11 08 05		2.4415E+002	:	:	:	
11/9/05 7:25:57 AM	30 11 09 05		2.4416E+002	:	:	:	
11/10/05 7:14:44 AM	30 11 10 05		2.4420E+002	:	:	:	
11/11/05 10:16:08 AM	30 11 11 05		2.4425E+002	:	:	:	
11/15/05 8:24:11 AM	30 11 15 05		2.4411E+002	:	:	:	
11/16/05 7:34:32 AM	30 11 16 05		2.4424E+002	:	:	:	
11/17/05 8:00:00 AM	30 11 17 05		2.4424E+002	:	:	:	
11/18/05 7:17:20 AM	30 11 18 05		2.4422E+002	:	:	:	
11/21/05 7:36:04 AM	30 11 21 05		2.4413E+002	:	:	:	
11/22/05 11:55:00 AM	30 11 22 05		2.4418E+002	:	:	:	
11/23/05 7:11:38 AM	30 11 23 05		2.4421E+002	:	:	:	
11/28/05 8:54:16 AM	30 11 28 05		2.4419E+002	:	:	:	
11/29/05 7:36:25 AM	30 11 29 05		2.4423E+002	:	:	:	
11/30/05 8:17:11 AM	30 11 30 05		2.4417E+002	:	:	:	
12/1/05 7:31:29 AM	30 12 01 05		2.4425E+002	:	:	:	
12/5/05 9:38:54 AM	30 12 05 05		2.4421E+002	:	:	:	
12/6/05 7:30:45 AM	30 12 06 05		2.4415E+002	:	:	:	
12/7/05 7:28:29 AM	30 12 07 05		2.4406E+002	:	:	:	
12/8/05 7:43:12 AM	30 12 08 05		2.4410E+002	:	:	:	
12/12/05 7:36:54 AM	30 12 12 05		2.4418E+002	:	:	:	
12/13/05 7:27:58 AM	30 12 13 05		2.4412E+002	:	:	:	
12/14/05 7:17:30 AM	30 12 14 05		2.4415E+002	:	:	:	
12/15/05 7:32:11 AM	30 12 15 05		2.4417E+002	:	:	:	
12/16/05 8:21:48 AM	30_12_16_05		2.4412E+002	:	:	:	

.ags Key:
LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
3/8/06 3:11:12 PM

, File: C:\CE Windsor\FSS Data\QA Dec 05
:scription: Peak centroid - 1332 keV
.rameter Units: ch
.rameter Type: Peak Search

)wer Boundary: 5.4590E+003
)per Boundary: 5.4650E+003

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
7/27/05 11:56:39 AM	30 07 27 05		5.4612E+003				
8/1/05 8:30:21 AM	30 08 01 05		5.4599E+003				
8/2/05 7:02:45 AM	30 08 02 05		5.4617E+003				
8/3/05 7:05:52 AM	30 08 03 05		5.4608E+003				
8/4/05 7:10:14 AM	30 08 04 05		5.4611E+003				
8/8/05 7:15:01 AM	30 08 05 08		5.4604E+003				
8/9/05 7:16:07 AM	30 08 09 05		5.4617E+003				
8/10/05 6:04:11 AM	30 08 10 05		5.4608E+003				
8/11/05 6:26:45 AM	30 08 11 05		5.4609E+003				
8/15/05 7:24:53 AM	30 08 15 05		5.4611E+003				
8/16/05 6:57:55 AM	30 08 16 05		5.4622E+003				
8/17/05 6:06:15 AM	30 08 17 05		5.4607E+003				
8/18/05 6:16:40 AM	30 08 18 05		5.4608E+003				
8/22/05 7:17:54 AM	30 08 22 05		5.4613E+003				
8/23/05 7:00:03 AM	30 08 23 05		5.4595E+003				
8/24/05 9:41:26 AM	30 08 05 24		5.4620E+003				
8/25/05 7:18:26 AM	30 08 05 25		5.4614E+003				
8/29/05 10:00:32 AM	30 08 05 29		5.4601E+003				
8/30/05 7:01:56 AM	30 08 05 30		5.4606E+003				
9/13/05 1:32:30 PM	30 09 05 13		5.4619E+003				
9/14/05 7:03:48 AM	30 09 14 05		5.4620E+003				
9/15/05 6:56:21 AM	30 09 15 05		5.4621E+003				
9/19/05 9:33:24 AM	30 09 19 05		5.4635E+003				
9/21/05 7:07:15 AM	30 09 21 05		5.4634E+003				
9/22/05 7:21:36 AM	30 09 22 05		5.4619E+003				
9/23/05 7:35:00 AM	30 09 23 05		5.4615E+003				
9/26/05 9:15:13 AM	30-09-26-05		5.4621E+003				
9/27/05 7:26:37 AM	30-09-27-05		5.4624E+003				
9/28/05 7:07:09 AM	30-09-28-05		5.4624E+003				
9/29/05 7:13:36 AM	30-09-29-05		5.4621E+003				
9/30/05 7:49:13 AM	30-09-30-05		5.4615E+003				
10/3/05 9:06:48 AM	30-10-03-05		5.4619E+003				
10/4/05 7:28:16 AM	30 10 04 05		5.4629E+003				
10/5/05 8:43:30 AM	30 10 05 05		5.4629E+003				
10/6/05 7:56:31 AM	30 10 06 05		5.4628E+003				
10/10/05 8:58:04 AM	30 10 10 05		5.4637E+003				
10/11/05 7:20:03 AM	30_10_11_05		5.4639E+003				

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
10/12/05 7:28:08 AM	30 10 12 05		5.4641E+003	:	:	:	
10/17/05 8:46:29 AM	30 10 17 05		5.4646E+003	:	:	:	
10/18/05 7:40:13 AM	30 10 18 05		5.4631E+003	:	:	:	
10/19/05 7:28:23 AM	30 10 19 05		5.4630E+003	:	:	:	
10/20/05 8:44:50 AM	30 10 20 05		5.4627E+003	:	:	:	
10/24/05 9:24:16 AM	30 10 24 05		5.4650E+003	:	:	:	
10/25/05 7:10:21 AM	30 10 05 25		5.4619E+003	:	:	:	
10/26/05 8:46:09 AM	30 10 05 26		5.4611E+003	:	:	:	
10/27/05 7:27:22 AM	30 10 05 27		5.4639E+003	:	:	:	
10/28/05 7:25:05 AM	30 10 05 28		5.4627E+003	:	:	:	
10/31/05 9:04:26 AM	30 10 31 05		5.4626E+003	:	:	:	
11/1/05 7:54:26 AM	30 11 01 05		5.4649E+003	:	:	:	
11/2/05 8:18:42 AM	30 11 02 05		5.4618E+003	:	:	:	
11/3/05 7:18:22 AM	30 11 03 05		5.4592E+003	:	:	:	
11/7/05 8:59:07 AM	30 11 05 07		5.4630E+003	:	:	:	
11/8/05 8:50:32 AM	30 11 08 05		5.4624E+003	:	:	:	
11/9/05 7:25:57 AM	30 11 09 05		5.4612E+003	:	:	:	
11/10/05 7:14:44 AM	30 11 10 05		5.4626E+003	:	:	:	
11/11/05 10:16:08 AM	30 11 11 05		5.4623E+003	:	:	:	
11/15/05 8:24:11 AM	30 11 15 05		5.4613E+003	:	:	:	
11/16/05 7:34:32 AM	30 11 16 05		5.4620E+003	:	:	:	
11/17/05 8:00:00 AM	30 11 17 05		5.4632E+003	:	:	:	
11/18/05 7:17:20 AM	30 11 18 05		5.4626E+003	:	:	:	
11/21/05 7:36:04 AM	30 11 21 05		5.4617E+003	:	:	:	
11/22/05 11:55:00 AM	30 11 22 05		5.4617E+003	:	:	:	
11/23/05 7:11:38 AM	30 11 23 05		5.4618E+003	:	:	:	
11/28/05 8:54:16 AM	30 11 28 05		5.4623E+003	:	:	:	
11/29/05 7:36:25 AM	30 11 29 05		5.4622E+003	:	:	:	
11/30/05 8:17:11 AM	30 11 30 05		5.4623E+003	:	:	:	
12/1/05 7:31:29 AM	30 12 01 05		5.4621E+003	:	:	:	
12/5/05 9:38:54 AM	30 12 05 05		5.4619E+003	:	:	:	
12/6/05 7:30:45 AM	30 12 06 05		5.4610E+003	:	:	:	
12/7/05 7:28:29 AM	30 12 07 05		5.4591E+003	:	:	:	
12/8/05 7:43:12 AM	30 12 08 05		5.4610E+003	:	:	:	
12/12/05 7:36:54 AM	30 12 12 05		5.4614E+003	:	:	:	
12/13/05 7:27:58 AM	30 12 13 05		5.4615E+003	:	:	:	
12/14/05 7:17:30 AM	30 12 14 05		5.4613E+003	:	:	:	
12/15/05 7:32:11 AM	30 12 15 05		5.4615E+003	:	:	:	
12/16/05 8:21:48 AM	30_12_16_05		5.4612E+003	:	:	:	

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
3/8/06 3:11:33 PM

ı File: C:\CE Windsor\FSS Data\QA Dec 05
escription: FWHM-59.5 AM-241
ırameter Units: keV
ırameter Type: Peak Search

ımple Start Date: 7/27/05 11:56:39 AM
ımple End Date: 12/16/05 8:21:48 AM
ımple Mean: 1.0286E+000
ımple Std. Deviation: 2.6833E-002

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
7/27/05 11:56:39 AM	30 07 27 05		1.1200E+000		Ac		
8/1/05 8:30:21 AM	30 08 01 05		1.0871E+000	In			
8/2/05 7:02:45 AM	30 08 02 05		1.0340E+000				
8/3/05 7:05:52 AM	30 08 03 05		1.0482E+000				
8/4/05 7:10:14 AM	30 08 04 05		1.0716E+000				
8/8/05 7:15:01 AM	30 08 05 08		1.0430E+000				
8/9/05 7:16:07 AM	30 08 09 05		1.0347E+000				
8/10/05 6:04:11 AM	30 08 10 05		1.0611E+000				
8/11/05 6:26:45 AM	30 08 11 05		1.0963E+000	In			
8/15/05 7:24:53 AM	30 08 15 05		1.0534E+000				
8/16/05 6:57:55 AM	30 08 16 05		1.0721E+000				
8/17/05 6:06:15 AM	30 08 17 05		1.0338E+000				
8/18/05 6:16:40 AM	30 08 18 05		1.0566E+000				
8/22/05 7:17:54 AM	30 08 22 05		1.0724E+000				
8/23/05 7:00:03 AM	30 08 23 05		1.0202E+000				
8/24/05 9:41:26 AM	30 08 05 24		1.0460E+000				
8/25/05 7:18:26 AM	30 08 05 25		1.0208E+000				
8/29/05 10:00:32 AM	30 08 05 29		1.0770E+000				
8/30/05 7:01:56 AM	30 08 05 30		1.0480E+000				
9/13/05 1:32:30 PM	30 09 05 13		1.0142E+000				
9/14/05 7:03:48 AM	30 09 14 05		1.0116E+000				
9/15/05 6:56:21 AM	30 09 15 05		9.9726E-001				
9/19/05 9:33:24 AM	30 09 19 05		1.0186E+000				
9/21/05 7:07:15 AM	30 09 21 05		1.0411E+000				
9/22/05 7:21:36 AM	30 09 22 05		1.0599E+000				
9/23/05 7:35:00 AM	30 09 23 05		1.0193E+000				
9/26/05 9:15:13 AM	30-09-26-05		1.0717E+000				
9/27/05 7:26:37 AM	30-09-27-05		1.0210E+000				
9/28/05 7:07:09 AM	30-09-28-05		9.9232E-001				
9/29/05 7:13:36 AM	30-09-29-05		1.0351E+000				
9/30/05 7:49:13 AM	30-09-30-05		1.0284E+000				
10/3/05 9:06:48 AM	30-10-03-05		1.0278E+000				
10/4/05 7:28:16 AM	30 10 04 05		1.0439E+000				
10/5/05 8:43:30 AM	30 10 05 05		1.0214E+000				
10/6/05 7:56:31 AM	30_10_06_05		1.0307E+000				

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
10/10/05 8:58:04 AM	30 10 10 05		1.0328E+000				
10/11/05 7:20:03 AM	30 10 11 05		1.0379E+000				
10/12/05 7:28:08 AM	30 10 12 05		1.0272E+000				
10/17/05 8:46:29 AM	30 10 17 05		1.0223E+000				
10/18/05 7:40:13 AM	30 10 18 05		1.0091E+000				
10/19/05 7:28:23 AM	30 10 19 05		1.0006E+000				
10/20/05 8:44:50 AM	30 10 20 05		1.0556E+000				
10/24/05 9:24:16 AM	30 10 24 05		1.0152E+000				
10/25/05 7:10:21 AM	30 10 05 25		9.8946E-001				
10/26/05 8:46:09 AM	30 10 05 26		9.8194E-001				
10/27/05 7:27:22 AM	30 10 05 27		1.0222E+000				
10/28/05 7:25:05 AM	30 10 05 28		9.9499E-001				
10/31/05 9:04:26 AM	30 10 31 05		1.0168E+000				
11/1/05 7:54:26 AM	30 11 01 05		9.7976E-001				
11/2/05 8:18:42 AM	30 11 02 05		1.0099E+000				
11/3/05 7:18:22 AM	30 11 03 05		9.9282E-001				
11/7/05 8:59:07 AM	30 11 05 07		1.0236E+000				
11/8/05 8:50:32 AM	30 11 08 05		9.9971E-001				
11/9/05 7:25:57 AM	30 11 09 05		9.9953E-001				
11/10/05 7:14:44 AM	30 11 10 05		9.9009E-001				
11/11/05 10:16:08 AM	30 11 11 05		1.0295E+000				
11/15/05 8:24:11 AM	30 11 15 05		1.0393E+000				
11/16/05 7:34:32 AM	30 11 16 05		1.0242E+000				
11/17/05 8:00:00 AM	30 11 17 05		1.0047E+000				
11/18/05 7:17:20 AM	30 11 18 05		1.0251E+000				
11/21/05 7:36:04 AM	30 11 21 05		1.0476E+000				
11/22/05 11:55:00 AM	30 11 22 05		1.0165E+000				
11/23/05 7:11:38 AM	30 11 23 05		1.0069E+000				
11/28/05 8:54:16 AM	30 11 28 05		1.0175E+000				
11/29/05 7:36:25 AM	30 11 29 05		9.8971E-001				
11/30/05 8:17:11 AM	30 11 30 05		1.0338E+000				
12/1/05 7:31:29 AM	30 12 01 05		1.0168E+000				
12/5/05 9:38:54 AM	30 12 05 05		1.0305E+000				
12/6/05 7:30:45 AM	30 12 06 05		1.0122E+000				
12/7/05 7:28:29 AM	30 12 07 05		1.0151E+000				
12/8/05 7:43:12 AM	30 12 08 05		1.0347E+000				
12/12/05 7:36:54 AM	30 12 12 05		1.0164E+000				
12/13/05 7:27:58 AM	30 12 13 05		1.0180E+000				
12/14/05 7:17:30 AM	30 12 14 05		1.0037E+000				
12/15/05 7:32:11 AM	30 12 15 05		1.0262E+000				
12/16/05 8:21:48 AM	30_12_16_05		1.0296E+000				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
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UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
3/8/06 3:11:50 PM

ı File: C:\CE Windsor\FSS Data\QA Dec 05
escription: FWHM-1332 CO-60
ırameter Units: keV
ırameter Type: Peak Search

ımple Start Date: 7/27/05 11:56:39 AM
ımple End Date: 12/16/05 8:21:48 AM
ımple Mean: 2.2504E+000
ımple Std. Deviation: 4.5634E-002

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
7/27/05 11:56:39 AM	30 07 27 05		2.2472E+000				
8/1/05 8:30:21 AM	30 08 01 05		2.4738E+000		Ac		
8/2/05 7:02:45 AM	30 08 02 05		2.3294E+000				
8/3/05 7:05:52 AM	30 08 03 05		2.2644E+000				
8/4/05 7:10:14 AM	30 08 04 05		2.2856E+000				
8/8/05 7:15:01 AM	30 08 05 08		2.2063E+000				
8/9/05 7:16:07 AM	30 08 09 05		2.3156E+000				
8/10/05 6:04:11 AM	30 08 10 05		2.2889E+000				
8/11/05 6:26:45 AM	30 08 11 05		2.3698E+000	In			
8/15/05 7:24:53 AM	30 08 15 05		2.2431E+000				
8/16/05 6:57:55 AM	30 08 16 05		2.2673E+000				
8/17/05 6:06:15 AM	30 08 17 05		2.2253E+000				
8/18/05 6:16:40 AM	30 08 18 05		2.2053E+000				
8/22/05 7:17:54 AM	30 08 22 05		2.2516E+000				
8/23/05 7:00:03 AM	30 08 23 05		2.2265E+000				
8/24/05 9:41:26 AM	30 08 05 24		2.2450E+000				
8/25/05 7:18:26 AM	30 08 05 25		2.1927E+000				
8/29/05 10:00:32 AM	30 08 05 29		2.3235E+000				
8/30/05 7:01:56 AM	30 08 05 30		2.2672E+000				
9/13/05 1:32:30 PM	30 09 05 13		2.2427E+000				
9/14/05 7:03:48 AM	30 09 14 05		2.2193E+000				
9/15/05 6:56:21 AM	30 09 15 05		2.2212E+000				
9/19/05 9:33:24 AM	30 09 19 05		2.2610E+000				
9/21/05 7:07:15 AM	30 09 21 05		2.2305E+000				
9/22/05 7:21:36 AM	30 09 22 05		2.2273E+000				
9/23/05 7:35:00 AM	30 09 23 05		2.2661E+000				
9/26/05 9:15:13 AM	30-09-26-05		2.2199E+000				
9/27/05 7:26:37 AM	30-09-27-05		2.2345E+000				
9/28/05 7:07:09 AM	30-09-28-05		2.1679E+000				
9/29/05 7:13:36 AM	30-09-29-05		2.2703E+000				
9/30/05 7:49:13 AM	30-09-30-05		2.2424E+000				
10/3/05 9:06:48 AM	30-10-03-05		2.2505E+000				
10/4/05 7:28:16 AM	30 10 04 05		2.3331E+000				
10/5/05 8:43:30 AM	30 10 05 05		2.2886E+000				
10/6/05 7:56:31 AM	30_10_06_05		2.2455E+000				

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
10/10/05 8:58:04 AM	30 10 10 05		2.2947E+000				
10/11/05 7:20:03 AM	30 10 11 05		2.2448E+000				
10/12/05 7:28:08 AM	30 10 12 05		2.2861E+000				
10/17/05 8:46:29 AM	30 10 17 05		2.2282E+000				
10/18/05 7:40:13 AM	30 10 18 05		2.2477E+000				
10/19/05 7:28:23 AM	30 10 19 05		2.1730E+000				
10/20/05 8:44:50 AM	30 10 20 05		2.1968E+000				
10/24/05 9:24:16 AM	30 10 24 05		2.2605E+000				
10/25/05 7:10:21 AM	30 10 05 25		2.2312E+000				
10/26/05 8:46:09 AM	30 10 05 26		2.1876E+000				
10/27/05 7:27:22 AM	30 10 05 27		2.2187E+000				
10/28/05 7:25:05 AM	30 10 05 28		2.2370E+000				
10/31/05 9:04:26 AM	30 10 31 05		2.2660E+000				
11/1/05 7:54:26 AM	30 11 01 05		2.2656E+000				
11/2/05 8:18:42 AM	30 11 02 05		2.2215E+000				
11/3/05 7:18:22 AM	30 11 03 05		2.2989E+000				
11/7/05 8:59:07 AM	30 11 05 07		2.2426E+000				
11/8/05 8:50:32 AM	30 11 08 05		2.2706E+000				
11/9/05 7:25:57 AM	30 11 09 05		2.2548E+000				
11/10/05 7:14:44 AM	30 11 10 05		2.2007E+000				
11/11/05 10:16:08 AM	30 11 11 05		2.2288E+000				
11/15/05 8:24:11 AM	30 11 15 05		2.2134E+000				
11/16/05 7:34:32 AM	30 11 16 05		2.2553E+000				
11/17/05 8:00:00 AM	30 11 17 05		2.2419E+000				
11/18/05 7:17:20 AM	30 11 18 05		2.2516E+000				
11/21/05 7:36:04 AM	30 11 21 05		2.1987E+000				
11/22/05 11:55:00 AM	30 11 22 05		2.2017E+000				
11/23/05 7:11:38 AM	30 11 23 05		2.1969E+000				
11/28/05 8:54:16 AM	30 11 28 05		2.2423E+000				
11/29/05 7:36:25 AM	30 11 29 05		2.2361E+000				
11/30/05 8:17:11 AM	30 11 30 05		2.2758E+000				
12/1/05 7:31:29 AM	30 12 01 05		2.2589E+000				
12/5/05 9:38:54 AM	30 12 05 05		2.2244E+000				
12/6/05 7:30:45 AM	30 12 06 05		2.2660E+000				
12/7/05 7:28:29 AM	30 12 07 05		2.2809E+000				
12/8/05 7:43:12 AM	30 12 08 05		2.2042E+000				
12/12/05 7:36:54 AM	30 12 12 05		2.2600E+000				
12/13/05 7:27:58 AM	30 12 13 05		2.2542E+000				
12/14/05 7:17:30 AM	30 12 14 05		2.3062E+000				
12/15/05 7:32:11 AM	30 12 15 05		2.2382E+000				
12/16/05 8:21:48 AM	30_12_16_05		2.2169E+000				

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BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
3/8/06 3:12:05 PM

File: C:\CE Windsor\FSS Data\QA Dec 05
scription: DCA-59.5 AM-241
rameter Units: pCi
rameter Type: Energy line

mple Start Date: 7/27/05 11:56:39 AM
mple End Date: 12/16/05 8:21:48 AM
mple Mean: 1.5312E+005
mple Std. Deviation: 3.1644E+003

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
7/27/05 11:56:39 AM	30 07 27 05		1.5668E+005				
8/1/05 8:30:21 AM	30 08 01 05		1.4268E+005		Ac		
8/2/05 7:02:45 AM	30 08 02 05		1.4892E+005				
8/3/05 7:05:52 AM	30 08 03 05		1.5126E+005				
8/4/05 7:10:14 AM	30 08 04 05		1.5204E+005				
8/8/05 7:15:01 AM	30 08 05 08		1.5012E+005				
8/9/05 7:16:07 AM	30 08 09 05		1.5016E+005				
8/10/05 6:04:11 AM	30 08 10 05		1.5264E+005				
8/11/05 6:26:45 AM	30 08 11 05		1.4912E+005				
8/15/05 7:24:53 AM	30 08 15 05		1.5563E+005				
8/16/05 6:57:55 AM	30 08 16 05		1.4768E+005				
8/17/05 6:06:15 AM	30 08 17 05		1.5086E+005				
8/18/05 6:16:40 AM	30 08 18 05		1.5184E+005				
8/22/05 7:17:54 AM	30 08 22 05		1.5219E+005				
8/23/05 7:00:03 AM	30 08 23 05		1.5447E+005				
8/24/05 9:41:26 AM	30 08 05 24		1.5165E+005				
8/25/05 7:18:26 AM	30 08 05 25		1.5079E+005				
8/29/05 10:00:32 AM	30 08 05 29		1.4716E+005				
8/30/05 7:01:56 AM	30 08 05 30		1.4757E+005				
9/13/05 1:32:30 PM	30 09 05 13		1.5557E+005				
9/14/05 7:03:48 AM	30 09 14 05		1.5439E+005				
9/15/05 6:56:21 AM	30 09 15 05		1.4579E+005	In			
9/19/05 9:33:24 AM	30 09 19 05		1.5460E+005				
9/21/05 7:07:15 AM	30 09 21 05		1.5542E+005				
9/22/05 7:21:36 AM	30 09 22 05		1.5614E+005				
9/23/05 7:35:00 AM	30 09 23 05		1.4881E+005				
9/26/05 9:15:13 AM	30-09-26-05		1.5412E+005				
9/27/05 7:26:37 AM	30-09-27-05		1.5516E+005				
9/28/05 7:07:09 AM	30-09-28-05		1.5378E+005				
9/29/05 7:13:36 AM	30-09-29-05		1.5163E+005				
9/30/05 7:49:13 AM	30-09-30-05		1.5378E+005				
10/3/05 9:06:48 AM	30-10-03-05		1.5446E+005				
10/4/05 7:28:16 AM	30 10 04 05		1.4597E+005	In			
10/5/05 8:43:30 AM	30 10 05 05		1.5095E+005				
10/6/05 7:56:31 AM	30_10_06_05		1.6223E+005	In			

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
10/10/05 8:58:04 AM	30 10 10 05		1.5410E+005				
10/11/05 7:20:03 AM	30 10 11 05		1.5145E+005				
10/12/05 7:28:08 AM	30 10 12 05		1.5519E+005				
10/17/05 8:46:29 AM	30 10 17 05		1.5383E+005				
10/18/05 7:40:13 AM	30 10 18 05		1.5228E+005				
10/19/05 7:28:23 AM	30 10 19 05		1.5708E+005				
10/20/05 8:44:50 AM	30 10 20 05		1.5573E+005				
10/24/05 9:24:16 AM	30 10 24 05		1.5106E+005				
10/25/05 7:10:21 AM	30 10 05 25		1.5528E+005				
10/26/05 8:46:09 AM	30 10 05 26		1.5642E+005				
10/27/05 7:27:22 AM	30 10 05 27		1.5135E+005				
10/28/05 7:25:05 AM	30 10 05 28		1.5611E+005				
10/31/05 9:04:26 AM	30 10 31 05		1.5423E+005				
11/1/05 7:54:26 AM	30 11 01 05		1.5375E+005				
11/2/05 8:18:42 AM	30 11 02 05		1.5345E+005				
11/3/05 7:18:22 AM	30 11 03 05		1.5379E+005				
11/7/05 8:59:07 AM	30 11 05 07		1.5626E+005				
11/8/05 8:50:32 AM	30 11 08 05		1.5595E+005				
11/9/05 7:25:57 AM	30 11 09 05		1.5443E+005				
11/10/05 7:14:44 AM	30 11 10 05		1.5482E+005				
11/11/05 10:16:08 AM	30 11 11 05		1.5867E+005				
11/15/05 8:24:11 AM	30 11 15 05		1.5168E+005				
11/16/05 7:34:32 AM	30 11 16 05		1.5235E+005				
11/17/05 8:00:00 AM	30 11 17 05		1.5693E+005				
11/18/05 7:17:20 AM	30 11 18 05		1.5432E+005				
11/21/05 7:36:04 AM	30 11 21 05		1.5354E+005				
11/22/05 11:55:00 AM	30 11 22 05		1.5243E+005				
11/23/05 7:11:38 AM	30 11 23 05		1.5346E+005				
11/28/05 8:54:16 AM	30 11 28 05		1.5371E+005				
11/29/05 7:36:25 AM	30 11 29 05		1.4949E+005				
11/30/05 8:17:11 AM	30 11 30 05		1.5371E+005				
12/1/05 7:31:29 AM	30 12 01 05		1.5662E+005				
12/5/05 9:38:54 AM	30 12 05 05		1.5505E+005				
12/6/05 7:30:45 AM	30 12 06 05		1.5509E+005				
12/7/05 7:28:29 AM	30 12 07 05		1.5488E+005				
12/8/05 7:43:12 AM	30 12 08 05		1.5133E+005				
12/12/05 7:36:54 AM	30 12 12 05		1.5225E+005				
12/13/05 7:27:58 AM	30 12 13 05		1.5455E+005				
12/14/05 7:17:30 AM	30 12 14 05		1.5608E+005				
12/15/05 7:32:11 AM	30 12 15 05		1.5696E+005				
12/16/05 8:21:48 AM	30_12_16_05		1.5127E+005				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
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BS = Measurement Bias Test (In = Investigate, Ac = Action)

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
10/10/05 8:58:04 AM	30 10 10 05		9.6422E+004				
10/11/05 7:20:03 AM	30 10 11 05		9.3729E+004				
10/12/05 7:28:08 AM	30 10 12 05		9.6015E+004				
10/17/05 8:46:29 AM	30 10 17 05		9.5475E+004				
10/18/05 7:40:13 AM	30 10 18 05		9.5379E+004				
10/19/05 7:28:23 AM	30 10 19 05		9.6776E+004				
10/20/05 8:44:50 AM	30 10 20 05		9.6219E+004				
10/24/05 9:24:16 AM	30 10 24 05		9.2422E+004		In		
10/25/05 7:10:21 AM	30 10 05 25		9.4842E+004				
10/26/05 8:46:09 AM	30 10 05 26		9.5567E+004				
10/27/05 7:27:22 AM	30 10 05 27		9.3492E+004				
10/28/05 7:25:05 AM	30 10 05 28		9.5733E+004				
10/31/05 9:04:26 AM	30 10 31 05		9.8271E+004		In		
11/1/05 7:54:26 AM	30 11 01 05		9.5803E+004				
11/2/05 8:18:42 AM	30 11 02 05		9.4925E+004				
11/3/05 7:18:22 AM	30 11 03 05		9.4596E+004				
11/7/05 8:59:07 AM	30 11 05 07		9.6600E+004				
11/8/05 8:50:32 AM	30 11 08 05		9.5808E+004				
11/9/05 7:25:57 AM	30 11 09 05		9.5689E+004				
11/10/05 7:14:44 AM	30 11 10 05		9.6017E+004				
11/11/05 10:16:08 AM	30 11 11 05		9.3830E+004				
11/15/05 8:24:11 AM	30 11 15 05		9.4456E+004				
11/16/05 7:34:32 AM	30 11 16 05		9.6299E+004				
11/17/05 8:00:00 AM	30 11 17 05		9.6337E+004				
11/18/05 7:17:20 AM	30 11 18 05		9.6366E+004				
11/21/05 7:36:04 AM	30 11 21 05		9.7108E+004				
11/22/05 11:55:00 AM	30 11 22 05		9.6277E+004				
11/23/05 7:11:38 AM	30 11 23 05		9.4481E+004				
11/28/05 8:54:16 AM	30 11 28 05		9.3943E+004				
11/29/05 7:36:25 AM	30 11 29 05		9.6258E+004				
11/30/05 8:17:11 AM	30 11 30 05		9.5734E+004				
12/1/05 7:31:29 AM	30 12 01 05		9.5656E+004				
12/5/05 9:38:54 AM	30 12 05 05		9.5125E+004				
12/6/05 7:30:45 AM	30 12 06 05		9.5683E+004				
12/7/05 7:28:29 AM	30 12 07 05		9.6066E+004				
12/8/05 7:43:12 AM	30 12 08 05		9.6779E+004				
12/12/05 7:36:54 AM	30 12 12 05		9.7217E+004				
12/13/05 7:27:58 AM	30 12 13 05		9.5028E+004				
12/14/05 7:17:30 AM	30 12 14 05		9.4663E+004				
12/15/05 7:32:11 AM	30 12 15 05		9.5879E+004				
12/16/05 8:21:48 AM	30_12_16_05		9.4699E+004				

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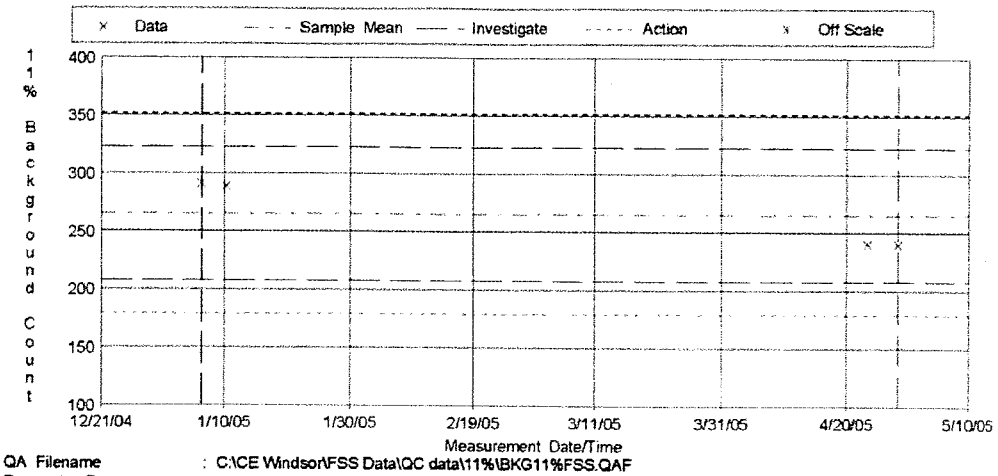
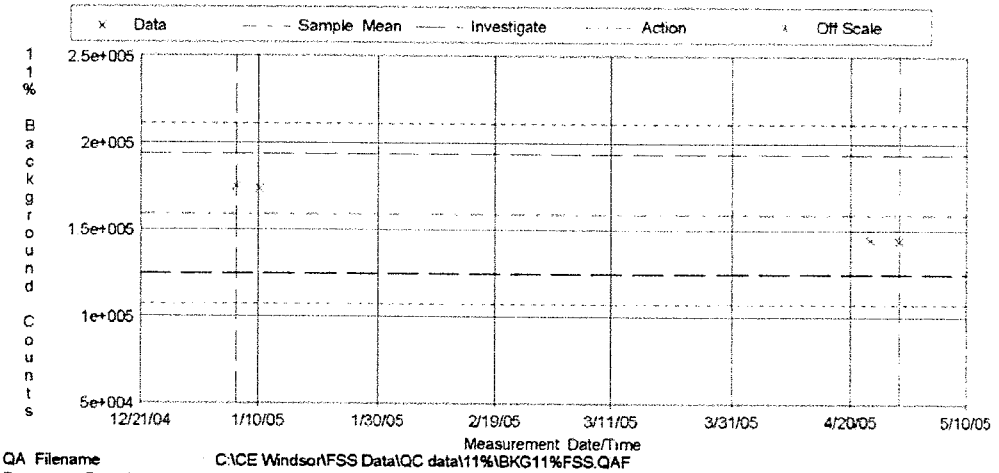
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

11% HPGe Control Charts

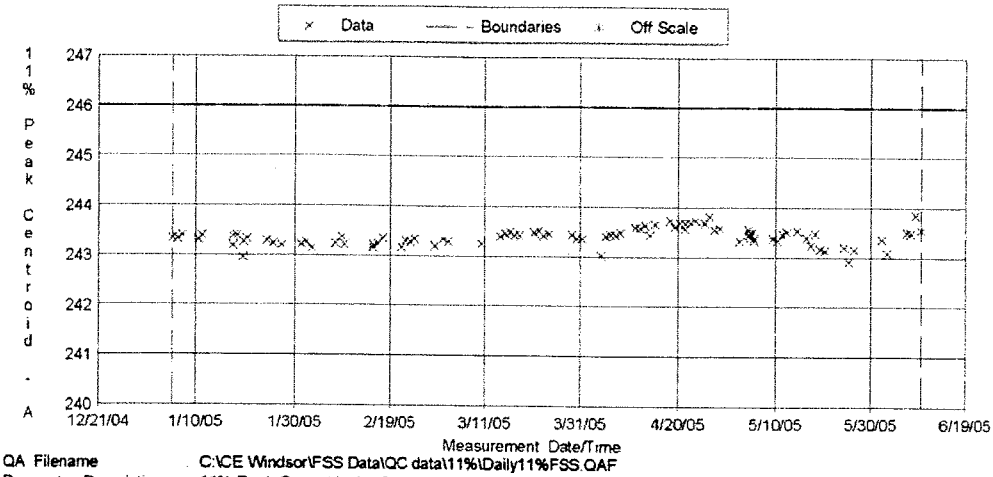


QA Filename : C:\CE Windsor\FSS Data\QC data\11%\BKG11%FSS.QAF
Parameter Description : 11% Background Count Rate (cps)
Selection Dates : 1/06/05 7:29:43 AM - 4/28/05 8:42:55 AM
Sample Mean +/- Std Dev : 265.040 +/-28.816

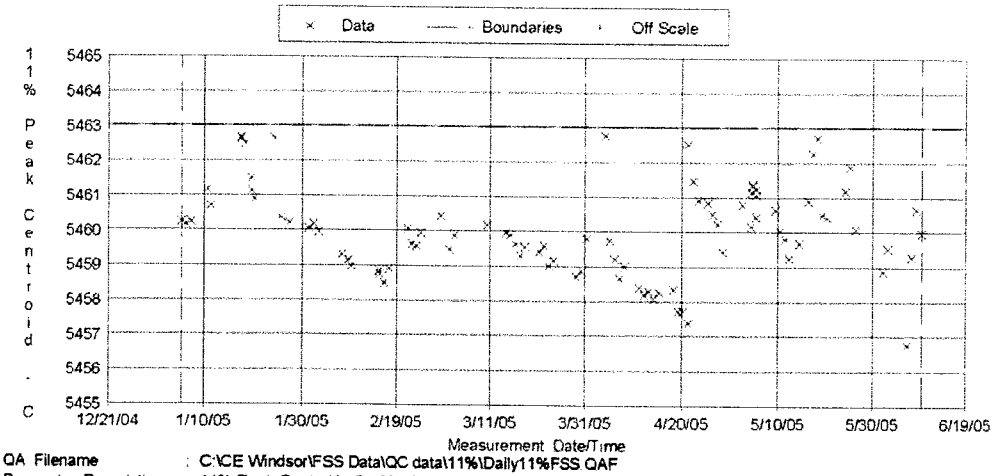


QA Filename : C:\CE Windsor\FSS Data\QC data\11%\BKG11%FSS.QAF
Parameter Description : 11% Background Counts (counts)
Selection Dates : 1/06/05 7:29:43 AM - 4/28/05 8:42:55 AM
Sample Mean +/- Std Dev : 1.59e+005 +/- 1.73e+004

11% HPGe Control Charts

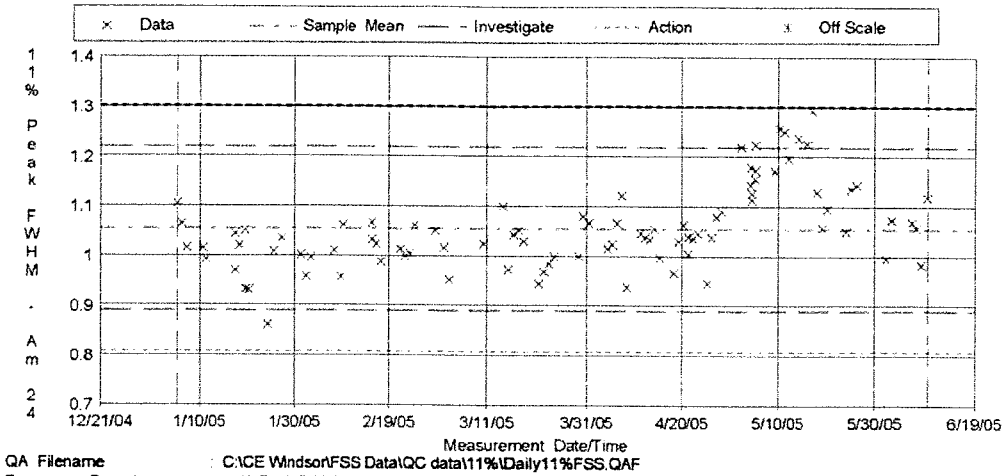


QA Filename : C:\CE Windsor\FSS Data\QC data\11%\Daily11%FSS.QAF
Parameter Description : 11% Peak Centroid - Am 241 (ch)
Selection Dates : 1/05/05 7:59:28 AM - 6/09/05 12:12:07 PM
Lower/Upper Boundaries : 241.000 - 246.000

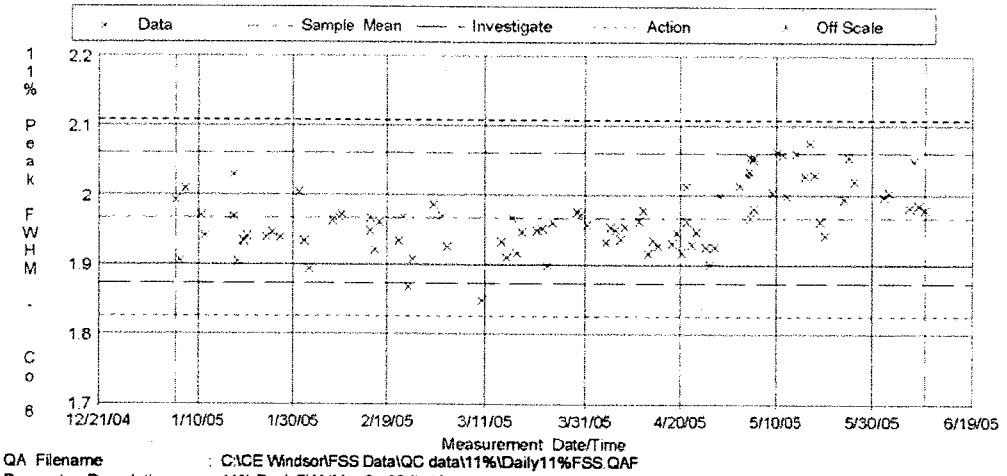


QA Filename : C:\CE Windsor\FSS Data\QC data\11%\Daily11%FSS.QAF
Parameter Description : 11% Peak Centroid - Co 60 (ch)
Selection Dates : 1/05/05 7:59:28 AM - 6/09/05 12:12:07 PM
Lower/Upper Boundaries : 5457.000 - 5463.000

11% HPGe Control Charts

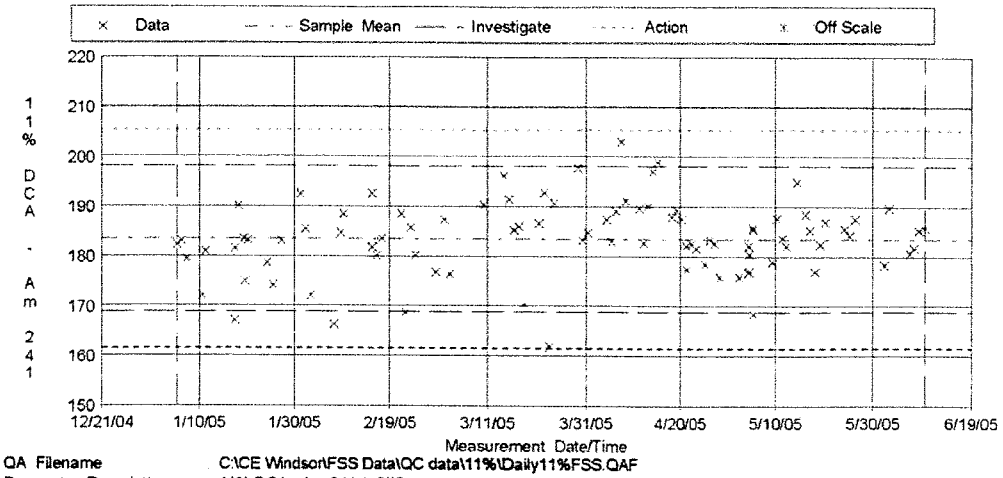


QA Filename : C:\CE Windsor\FSS Data\QC data\11%\Daily11%FSS.QAF
Parameter Description : 11% Peak FWHM - Am 241 (keV)
Selection Dates : 1/05/05 7:59:28 AM - 6/09/05 12:12:07 PM
Sample Mean +/- Std Dev : 1.054 +/- 0.062

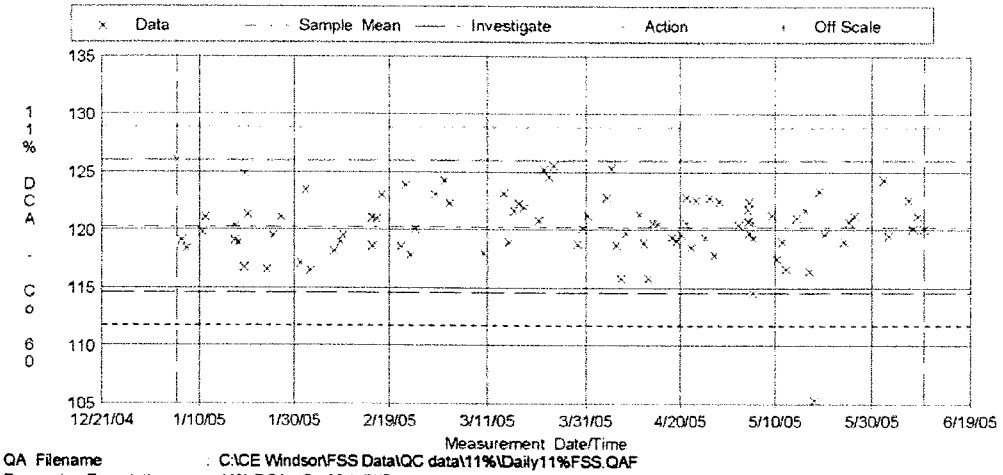


QA Filename : C:\CE Windsor\FSS Data\QC data\11%\Daily11%FSS.QAF
Parameter Description : 11% Peak FWHM - Co 60 (keV)
Selection Dates : 1/05/05 7:59:28 AM - 6/09/05 12:12:07 PM
Sample Mean +/- Std Dev : 1.966 +/- 0.047

11% HPGe Control Charts



QA Filename : C:\CE Windsor\FSS Data\QC data\11%\Daily11%FSS.QAF
Parameter Description : 11% DCA - Am 241 (pCi/Gram)
Selection Dates : 1/05/05 7:59:28 AM - 6/09/05 12:12:07 PM
Sample Mean +/- Std Dev : 183.462 +/- 7.32e+000



QA Filename : C:\CE Windsor\FSS Data\QC data\11%\Daily11%FSS.QAF
Parameter Description : 11% DCA - Co 60 (pCi/Gram)
Selection Dates : 1/05/05 7:59:28 AM - 6/09/05 12:12:07 PM
Sample Mean +/- Std Dev : 120.251 +/- 2.87e+000

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**** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
12/20/05 9:44:33 AM

A File: C:\CE Windsor\FSS Data\QC data\1
escription: 11% Background Counts
arameter Units: counts
arameter Type: Background

ample Start Date: 1/6/05 7:29:43 AM
ample End Date: 4/28/05 8:42:55 AM
ample Mean: 1.5902E+005
ample Std. Deviation: 1.7290E+004

Measurement Time	Sample ID	Analyst	Value (counts)	Flags LU	SD	UD	BS
1/6/05 7:29:43 AM	DAILY QC		1.7462E+005				
1/10/05 7:04:39 AM	DAILY QC		1.7336E+005				
4/23/05 9:36:53 AM	DAILY QC		1.4426E+005				
4/28/05 8:42:55 AM	DAILY QC		1.4386E+005				

ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
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UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

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**** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
12/20/05 9:44:44 AM

A File: C:\CE Windsor\FSS Data\QC data\1
escription: 11% Background Count Rate
arameter Units: cps
arameter Type: Background

ample Start Date: 1/6/05 7:29:43 AM
ample End Date: 4/28/05 8:42:55 AM
ample Mean: 2.6504E+002
ample Std. Deviation: 2.8816E+001

Measurement Time	Sample ID	Analyst	Value (cps)	Flags LU	SD	UD	BS
1/6/05 7:29:43 AM	DAILY QC		2.9104E+002				
1/10/05 7:04:39 AM	DAILY QC		2.8893E+002				
4/23/05 9:36:53 AM	DAILY QC		2.4043E+002				
4/28/05 8:42:55 AM	DAILY QC		2.3977E+002				

lags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

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**** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
12/20/05 10:16:56 AM

A File: C:\CE Windsor\FSS Data\QC data\1
escription: 11% Peak Centroid - Am 241
arameter Units: ch
arameter Type: Peak Search

ower Boundary: 2.4100E+002
pper Boundary: 2.4600E+002

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
1/5/05 7:59:28 AM	Daily QC		2.4334E+002				
1/6/05 7:29:43 AM	DAILY QC		2.4332E+002				
1/7/05 8:02:50 AM	DAILY QC		2.4339E+002				
1/10/05 3:27:58 PM	DAILY QC		2.4330E+002				
1/11/05 7:25:49 AM	DAILY QC		2.4339E+002				
1/17/05 12:32:12 PM	DAILY QC		2.4319E+002				
1/17/05 1:00:03 PM	DAILY QC		2.4338E+002				
1/18/05 8:10:10 AM	DAILY QC		2.4339E+002				
1/19/05 12:47:27 PM	DAILY QC		2.4295E+002				
1/19/05 3:27:26 PM	DAILY QC		2.4327E+002				
1/20/05 7:14:21 AM	DAILY QC		2.4333E+002				
1/24/05 7:23:53 AM	Daily QC		2.4329E+002				
1/25/05 2:20:15 PM	DAILY QC		2.4324E+002				
1/27/05 7:35:30 AM	DAILY QC		2.4319E+002				
1/31/05 8:04:40 AM	DAILY QC		2.4321E+002				
2/1/05 9:45:56 AM	DAILY QC		2.4326E+002				
2/2/05 10:23:39 AM	DAILY QC		2.4314E+002				
2/7/05 7:43:10 AM	DAILY QC		2.4324E+002				
2/8/05 5:20:17 PM	daily qc		2.4337E+002				
2/9/05 6:46:23 AM	DAILY QC		2.4322E+002				
2/15/05 7:29:38 AM	DAILY QC		2.4321E+002				
2/15/05 7:45:33 AM	DAILY QC		2.4315E+002				
2/16/05 6:50:36 AM	Daily qc		2.4324E+002				
2/17/05 8:39:37 AM	DAILY QC		2.4336E+002				
2/21/05 8:39:44 AM	DAILY QC		2.4316E+002				
2/22/05 7:23:38 AM	DAILY QC		2.4330E+002				
2/23/05 8:31:12 AM	Daily QC		2.4328E+002				
2/24/05 7:18:39 AM	Daily		2.4334E+002				
2/28/05 12:43:12 PM	DAILY QC		2.4320E+002				
3/2/05 7:06:31 AM	DAILY QC		2.4335E+002				
3/3/05 8:47:15 AM	DAILY QC		2.4329E+002				
3/10/05 7:46:07 AM	Daily		2.4325E+002				
3/14/05 6:49:58 AM	DAILY QC		2.4340E+002				
3/15/05 7:03:18 AM	DAILY QC		2.4345E+002				
3/16/05 7:58:44 AM	DAILY QC		2.4348E+002				
3/17/05 7:11:25 AM	DAILY QC		2.4342E+002				
3/18/05 7:42:01 AM	DAILY QC		2.4341E+002				

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
3/21/05 7:21:52 AM	DAILY QC		2.4347E+002				
3/22/05 7:40:06 AM	DAILY QC		2.4351E+002				
3/23/05 7:56:41 AM	Daily QC		2.4341E+002				
3/24/05 8:15:06 AM	Daily QC		2.4345E+002				
3/29/05 7:00:14 AM	daily qc		2.4343E+002				
3/30/05 7:08:09 AM	Daily QC		2.4337E+002				
3/31/05 9:57:31 AM	Daily QC		2.4335E+002				
4/4/05 7:29:50 AM	DAILY QC		2.4302E+002				
4/5/05 7:13:23 AM	DAILY QC		2.4341E+002				
4/6/05 7:07:25 AM	Daily QC		2.4344E+002				
4/7/05 7:40:47 AM	Daily QC		2.4343E+002				
4/8/05 8:08:08 AM	Daily QC		2.4348E+002				
4/11/05 7:24:24 AM	Daily QC		2.4358E+002				
4/12/05 7:05:12 AM	DAILY QC		2.4357E+002				
4/13/05 7:15:21 AM	DAILY QC		2.4363E+002				
4/14/05 7:11:51 AM	DAILY QC		2.4343E+002				
4/15/05 7:57:55 AM	DAILY QC		2.4366E+002				
4/18/05 7:34:41 AM	DAILY QC		2.4373E+002				
4/19/05 7:22:10 AM	DAILY QC		2.4360E+002				
4/20/05 7:21:02 AM	DAILY QC		2.4368E+002				
4/21/05 7:34:41 AM	DAILY QC		2.4356E+002				
4/21/05 8:37:34 AM	DAILY QC		2.4368E+002				
4/22/05 9:35:38 AM	DAILY QC		2.4369E+002				
4/23/05 9:36:53 AM	DAILY QC		2.4373E+002				
4/25/05 8:07:58 AM	DAILY QC		2.4368E+002				
4/26/05 6:42:51 AM	DAILY QC		2.4381E+002				
4/27/05 7:11:12 AM	DAILY QC		2.4354E+002				
4/28/05 8:42:55 AM	DAILY QC		2.4357E+002				
5/2/05 10:53:46 AM	DAILY QC		2.4332E+002				
5/4/05 7:32:09 AM	DAILY QC		2.4355E+002				
5/4/05 11:00:11 AM	DAILY QC		2.4345E+002				
5/4/05 3:30:00 PM	DAILY QC		2.4348E+002				
5/4/05 3:51:50 PM	DAILY QC		2.4340E+002				
5/5/05 7:45:26 AM	DAILY QC		2.4351E+002				
5/5/05 10:06:34 AM	DAILY QC		2.4338E+002				
5/5/05 10:19:23 AM	DAILY QC		2.4333E+002				
5/9/05 8:26:23 AM	DAILY QC		2.4338E+002				
5/10/05 7:29:45 AM	daily		2.4333E+002				
5/11/05 10:02:33 AM	DAILY QC		2.4346E+002				
5/12/05 6:43:49 AM	DAILY QC		2.4350E+002				
5/14/05 10:59:43 AM	DAILY QC		2.4353E+002				
5/16/05 8:06:58 AM	DAILY QC		2.4339E+002				
5/17/05 7:20:40 AM	DAILY QC		2.4323E+002				
5/18/05 7:24:12 AM	DAILY QC		2.4347E+002				
5/19/05 8:41:45 AM	DAILY QC		2.4317E+002				
5/20/05 9:24:01 AM	DAILY QC		2.4313E+002				
5/24/05 7:25:16 AM	DAILY QC		2.4321E+002				
5/25/05 7:06:44 AM	DAILY QC		2.4291E+002				
5/26/05 10:30:13 AM	DAILY QC		2.4315E+002				
6/1/05 7:31:56 AM	DAILY QC		2.4336E+002				
6/2/05 8:45:11 AM	DAILY QC		2.4308E+002				
6/6/05 10:46:53 AM	DAILY QC		2.4350E+002				
6/7/05 7:43:24 AM	DAILY QC		2.4348E+002				
6/8/05 7:29:07 AM	DAILY QC		2.4384E+002				

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
6/9/05 12:12:07 PM	DAILY QC		2.4355E+002				

Flags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

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*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
12/20/05 10:17:02 AM

File: C:\CE Windsor\FSS Data\QC data\1
scription: 11% Peak Centroid - Co 60
rameter Units: ch
rameter Type: Peak Search

wer Boundary: 5.4570E+003
per Boundary: 5.4630E+003

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
1/5/05 7:59:28 AM	Daily QC		5.4602E+003				
1/6/05 7:29:43 AM	DAILY QC		5.4602E+003				
1/7/05 8:02:50 AM	DAILY QC		5.4602E+003				
1/10/05 3:27:58 PM	DAILY QC		5.4612E+003				
1/11/05 7:25:49 AM	DAILY QC		5.4607E+003				
1/17/05 12:32:12 PM	DAILY QC		5.4627E+003				
1/17/05 1:00:03 PM	DAILY QC		5.4626E+003				
1/18/05 8:10:10 AM	DAILY QC		5.4625E+003				
1/19/05 12:47:27 PM	DAILY QC		5.4615E+003				
1/19/05 3:27:26 PM	DAILY QC		5.4611E+003				
1/20/05 7:14:21 AM	DAILY QC		5.4609E+003				
1/24/05 7:23:53 AM	Daily QC		5.4626E+003				
1/25/05 2:20:15 PM	DAILY QC		5.4604E+003				
1/27/05 7:35:30 AM	DAILY QC		5.4602E+003				
1/31/05 8:04:40 AM	DAILY QC		5.4600E+003				
2/1/05 9:45:56 AM	DAILY QC		5.4602E+003				
2/2/05 10:23:39 AM	DAILY QC		5.4599E+003				
2/7/05 7:43:10 AM	DAILY QC		5.4593E+003				
2/8/05 5:20:17 PM	daily qc		5.4592E+003				
2/9/05 6:46:23 AM	DAILY QC		5.4590E+003				
2/15/05 7:29:38 AM	DAILY QC		5.4588E+003				
2/15/05 7:45:33 AM	DAILY QC		5.4587E+003				
2/16/05 6:50:36 AM	Daily qc		5.4585E+003				
2/17/05 8:39:37 AM	DAILY QC		5.4589E+003				
2/21/05 8:39:44 AM	DAILY QC		5.4600E+003				
2/22/05 7:23:38 AM	DAILY QC		5.4596E+003				
2/23/05 8:31:12 AM	Daily QC		5.4596E+003				
2/24/05 7:18:39 AM	Daily		5.4599E+003				
2/28/05 12:43:12 PM	DAILY QC		5.4604E+003				
3/2/05 7:06:31 AM	DAILY QC		5.4595E+003				
3/3/05 8:47:15 AM	DAILY QC		5.4599E+003				
3/10/05 7:46:07 AM	Daily		5.4602E+003				
3/14/05 6:49:58 AM	DAILY QC		5.4600E+003				
3/15/05 7:03:18 AM	DAILY QC		5.4599E+003				
3/16/05 7:58:44 AM	DAILY QC		5.4596E+003				
3/17/05 7:11:25 AM	DAILY QC		5.4593E+003				
3/18/05 7:42:01 AM	DAILY QC		5.4595E+003				

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
3/21/05 7:21:52 AM	DAILY QC		5.4594E+003				
3/22/05 7:40:06 AM	DAILY QC		5.4596E+003				
3/23/05 7:56:41 AM	Daily QC		5.4590E+003				
3/24/05 8:15:06 AM	Daily QC		5.4591E+003				
3/29/05 7:00:14 AM	daily qc		5.4587E+003				
3/30/05 7:08:09 AM	Daily QC		5.4589E+003				
3/31/05 9:57:31 AM	Daily QC		5.4598E+003				
4/4/05 7:29:50 AM	DAILY QC		5.4628E+003				
4/5/05 7:13:23 AM	DAILY QC		5.4597E+003				
4/6/05 7:07:25 AM	Daily QC		5.4592E+003				
4/7/05 7:40:47 AM	Daily QC		5.4587E+003				
4/8/05 8:08:08 AM	Daily QC		5.4590E+003				
4/11/05 7:24:24 AM	Daily QC		5.4584E+003				
4/12/05 7:05:12 AM	DAILY QC		5.4582E+003				
4/13/05 7:15:21 AM	DAILY QC		5.4583E+003				
4/14/05 7:11:51 AM	DAILY QC		5.4581E+003				
4/15/05 7:57:55 AM	DAILY QC		5.4583E+003				
4/18/05 7:34:41 AM	DAILY QC		5.4583E+003				
4/19/05 7:22:10 AM	DAILY QC		5.4577E+003				
4/20/05 7:21:02 AM	DAILY QC		5.4577E+003				
4/21/05 7:34:41 AM	DAILY QC		5.4574E+003				
4/21/05 8:37:34 AM	DAILY QC		5.4625E+003				
4/22/05 9:35:38 AM	DAILY QC		5.4615E+003				
4/23/05 9:36:53 AM	DAILY QC		5.4609E+003				
4/25/05 8:07:58 AM	DAILY QC		5.4608E+003				
4/26/05 6:42:51 AM	DAILY QC		5.4605E+003				
4/27/05 7:11:12 AM	DAILY QC		5.4602E+003				
4/28/05 8:42:55 AM	DAILY QC		5.4594E+003				
5/2/05 10:53:46 AM	DAILY QC		5.4608E+003				
5/4/05 7:32:09 AM	DAILY QC		5.4602E+003				
5/4/05 11:00:11 AM	DAILY QC		5.4611E+003				
5/4/05 3:30:00 PM	DAILY QC		5.4613E+003				
5/4/05 3:51:50 PM	DAILY QC		5.4614E+003				
5/5/05 7:45:26 AM	DAILY QC		5.4604E+003				
5/5/05 10:06:34 AM	DAILY QC		5.4611E+003				
5/5/05 10:19:23 AM	DAILY QC		5.4612E+003				
5/9/05 8:26:23 AM	DAILY QC		5.4606E+003				
5/10/05 7:29:45 AM	daily		5.4600E+003				
5/11/05 10:02:33 AM	DAILY QC		5.4598E+003				
5/12/05 6:43:49 AM	DAILY QC		5.4592E+003				
5/14/05 10:59:43 AM	DAILY QC		5.4597E+003				
5/16/05 8:06:58 AM	DAILY QC		5.4609E+003				
5/17/05 7:20:40 AM	DAILY QC		5.4622E+003				
5/18/05 7:24:12 AM	DAILY QC		5.4627E+003				
5/19/05 8:41:45 AM	DAILY QC		5.4605E+003				
5/20/05 9:24:01 AM	DAILY QC		5.4604E+003				
5/24/05 7:25:16 AM	DAILY QC		5.4612E+003				
5/25/05 7:06:44 AM	DAILY QC		5.4619E+003				
5/26/05 10:30:13 AM	DAILY QC		5.4601E+003				
6/1/05 7:31:56 AM	DAILY QC		5.4589E+003				
6/2/05 8:45:11 AM	DAILY QC		5.4595E+003				
6/6/05 10:46:53 AM	DAILY QC		5.4567E+003	Be			
6/7/05 7:43:24 AM	DAILY QC		5.4593E+003				
6/8/05 7:29:07 AM	DAILY QC		5.4606E+003				

Measurement Time	Sample ID	Analyst	Value (ch)	Flags LU	SD	UD	BS
6/9/05 12:12:07 PM	DAILY QC		5.4600E+003				

ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
**** G E N I E Q U A L I T Y A S S U R A N C E *****
****

Full Parameter Results Report
12/20/05 10:17:20 AM

A File: C:\CE Windsor\FSS Data\QC data\1
escription: 11% Peak FWHM - Am 241
arameter Units: keV
arameter Type: Peak Search

ample Start Date: 1/5/05 7:59:28 AM
ample End Date: 6/9/05 12:12:07 PM
ample Mean: 1.0542E+000
ample Std. Deviation: 8.2082E-002

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
1/5/05 7:59:28 AM	Daily QC		1.1040E+000				
1/6/05 7:29:43 AM	DAILY QC		1.0643E+000				
1/7/05 8:02:50 AM	DAILY QC		1.0148E+000				
1/10/05 3:27:58 PM	DAILY QC		1.0140E+000				
1/11/05 7:25:49 AM	DAILY QC		9.9210E-001				
1/17/05 12:32:12 PM	DAILY QC		9.6967E-001				
1/17/05 1:00:03 PM	DAILY QC		1.0435E+000				
1/18/05 8:10:10 AM	DAILY QC		1.0197E+000				
1/19/05 12:47:27 PM	DAILY QC		1.0505E+000				
1/19/05 3:27:26 PM	DAILY QC		9.3183E-001				
1/20/05 7:14:21 AM	DAILY QC		9.2993E-001				
1/24/05 7:23:53 AM	Daily QC		8.6111E-001		In		
1/25/05 2:20:15 PM	DAILY QC		1.0072E+000				
1/27/05 7:35:30 AM	DAILY QC		1.0348E+000				
1/31/05 8:04:40 AM	DAILY QC		1.0004E+000				
2/1/05 9:45:56 AM	DAILY QC		9.5760E-001				
2/2/05 10:23:39 AM	DAILY QC		9.9603E-001				
2/7/05 7:43:10 AM	DAILY QC		1.0094E+000				
2/8/05 5:20:17 PM	daily qc		9.5731E-001				
2/9/05 6:46:23 AM	DAILY QC		1.0615E+000				
2/15/05 7:29:38 AM	DAILY QC		1.0319E+000				
2/15/05 7:45:33 AM	DAILY QC		1.0653E+000				
2/16/05 6:50:36 AM	Daily qc		1.0231E+000				
2/17/05 8:39:37 AM	DAILY QC		9.8754E-001				
2/21/05 8:39:44 AM	DAILY QC		1.0125E+000				
2/22/05 7:23:38 AM	DAILY QC		9.9904E-001				
2/23/05 8:31:12 AM	Daily QC		1.0039E+000				
2/24/05 7:18:39 AM	Daily		1.0611E+000				
2/28/05 12:43:12 PM	DAILY QC		1.0510E+000				
3/2/05 7:06:31 AM	DAILY QC		1.0156E+000				
3/3/05 8:47:15 AM	DAILY QC		9.5139E-001				
3/10/05 7:46:07 AM	Daily		1.0237E+000				
3/14/05 6:49:58 AM	DAILY QC		1.0983E+000				
3/15/05 7:03:18 AM	DAILY QC		9.7159E-001				
3/16/05 7:58:44 AM	DAILY QC		1.0413E+000				

Measurement Time	Sample ID	Analyst	Value (keV)	LU	Flags SD	UD	BS
3/17/05 7:11:25 AM	DAILY QC		1.0504E+000				
3/18/05 7:42:01 AM	DAILY QC		1.0283E+000				
3/21/05 7:21:52 AM	DAILY QC		9.4286E-001				
3/22/05 7:40:06 AM	DAILY QC		9.6778E-001				
3/23/05 7:56:41 AM	Daily QC		9.8357E-001				
3/24/05 8:15:06 AM	Daily QC		9.9835E-001				
3/29/05 7:00:14 AM	daily qc		9.9871E-001				
3/30/05 7:08:09 AM	Daily QC		1.0797E+000				
3/31/05 9:57:31 AM	Daily QC		1.0654E+000				
4/4/05 7:29:50 AM	DAILY QC		1.0138E+000				
4/5/05 7:13:23 AM	DAILY QC		1.0227E+000				
4/6/05 7:07:25 AM	Daily QC		1.0653E+000				
4/7/05 7:40:47 AM	Daily QC		1.1207E+000				
4/8/05 8:08:08 AM	Daily QC		9.3701E-001				
4/11/05 7:24:24 AM	Daily QC		1.0459E+000				
4/12/05 7:05:12 AM	DAILY QC		1.0366E+000				
4/13/05 7:15:21 AM	DAILY QC		1.0325E+000				
4/14/05 7:11:51 AM	DAILY QC		1.0540E+000				
4/15/05 7:57:55 AM	DAILY QC		9.9610E-001				
4/18/05 7:34:41 AM	DAILY QC		9.6537E-001				
4/19/05 7:22:10 AM	DAILY QC		1.0291E+000				
4/20/05 7:21:02 AM	DAILY QC		1.0620E+000				
4/21/05 7:34:41 AM	DAILY QC		1.0033E+000				
4/21/05 8:37:34 AM	DAILY QC		1.0386E+000				
4/22/05 9:35:38 AM	DAILY QC		1.0354E+000				
4/23/05 9:36:53 AM	DAILY QC		1.0449E+000				
4/25/05 8:07:58 AM	DAILY QC		9.4471E-001				
4/26/05 6:42:51 AM	DAILY QC		1.0367E+000				
4/27/05 7:11:12 AM	DAILY QC		1.0779E+000				
4/28/05 8:42:55 AM	DAILY QC		1.0895E+000				
5/2/05 10:53:46 AM	DAILY QC		1.2185E+000		In		
5/4/05 7:32:09 AM	DAILY QC		1.1432E+000				
5/4/05 11:00:11 AM	DAILY QC		1.1785E+000				
5/4/05 3:30:00 PM	DAILY QC		1.1123E+000				
5/4/05 3:51:50 PM	DAILY QC		1.1262E+000				
5/5/05 7:45:26 AM	DAILY QC		1.1541E+000				
5/5/05 10:06:34 AM	DAILY QC		1.2231E+000		In		
5/5/05 10:19:23 AM	DAILY QC		1.1734E+000				
5/9/05 8:26:23 AM	DAILY QC		1.1715E+000				
5/10/05 7:29:45 AM	daily		1.2571E+000		In		
5/11/05 10:02:33 AM	DAILY QC		1.2505E+000		In		
5/12/05 6:43:49 AM	DAILY QC		1.1962E+000				
5/14/05 10:59:43 AM	DAILY QC		1.2367E+000		In		
5/16/05 8:06:58 AM	DAILY QC		1.2252E+000		In		
5/17/05 7:20:40 AM	DAILY QC		1.2915E+000		In		
5/18/05 7:24:12 AM	DAILY QC		1.1287E+000				
5/19/05 8:41:45 AM	DAILY QC		1.0574E+000				
5/20/05 9:24:01 AM	DAILY QC		1.0946E+000				
5/24/05 7:25:16 AM	DAILY QC		1.0502E+000				
5/25/05 7:06:44 AM	DAILY QC		1.1345E+000				
5/26/05 10:30:13 AM	DAILY QC		1.1425E+000				
6/1/05 7:31:56 AM	DAILY QC		9.9536E-001				
6/2/05 8:45:11 AM	DAILY QC		1.0736E+000				
6/6/05 10:46:53 AM	DAILY QC		1.0685E+000				

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
6/7/05 7:43:24 AM	DAILY QC		1.0560E+000				
6/8/05 7:29:07 AM	DAILY QC		9.8280E-001				
6/9/05 12:12:07 PM	DAILY QC		1.1177E+000				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
****

Full Parameter Results Report
12/20/05 10:17:26 AM

\ File: C:\CE Windsor\FSS Data\QC data\1
:scription: 11% Peak FWHM - Co 60
ırameter Units: keV
ırameter Type: Peak Search

ımple Start Date: 1/5/05 7:59:28 AM
ımple End Date: 6/9/05 12:12:07 PM
ımple Mean: 1.9664E+000
ımple Std. Deviation: 4.7032E-002

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
1/5/05 7:59:28 AM	Daily QC		1.9923E+000				
1/6/05 7:29:43 AM	DAILY QC		1.9049E+000				
1/7/05 8:02:50 AM	DAILY QC		2.0091E+000				
1/10/05 3:27:58 PM	DAILY QC		1.9703E+000				
1/11/05 7:25:49 AM	DAILY QC		1.9411E+000				
1/17/05 12:32:12 PM	DAILY QC		2.0291E+000				
1/17/05 1:00:03 PM	DAILY QC		1.9682E+000				
1/18/05 8:10:10 AM	DAILY QC		1.9041E+000				
1/19/05 12:47:27 PM	DAILY QC		1.9337E+000				
1/19/05 3:27:26 PM	DAILY QC		1.9332E+000				
1/20/05 7:14:21 AM	DAILY QC		1.9401E+000				
1/24/05 7:23:53 AM	Daily QC		1.9389E+000				
1/25/05 2:20:15 PM	DAILY QC		1.9458E+000				
1/27/05 7:35:30 AM	DAILY QC		1.9385E+000				
1/31/05 8:04:40 AM	DAILY QC		2.0037E+000				
2/1/05 9:45:56 AM	DAILY QC		1.9329E+000				
2/2/05 10:23:39 AM	DAILY QC		1.8931E+000				
2/7/05 7:43:10 AM	DAILY QC		1.9629E+000				
2/8/05 5:20:17 PM	daily qc		1.9681E+000				
2/9/05 6:46:23 AM	DAILY QC		1.9719E+000				
2/15/05 7:29:38 AM	DAILY QC		1.9667E+000				
2/15/05 7:45:33 AM	DAILY QC		1.9479E+000				
2/16/05 6:50:36 AM	Daily qc		1.9207E+000				
2/17/05 8:39:37 AM	DAILY QC		1.9603E+000				
2/21/05 8:39:44 AM	DAILY QC		1.9331E+000				
2/22/05 7:23:38 AM	DAILY QC		1.9679E+000				
2/23/05 8:31:12 AM	Daily QC		1.8672E+000		In		
2/24/05 7:18:39 AM	Daily		1.9077E+000				
2/28/05 12:43:12 PM	DAILY QC		1.9852E+000				
3/2/05 7:06:31 AM	DAILY QC		1.9693E+000				
3/3/05 8:47:15 AM	DAILY QC		1.9250E+000				
3/10/05 7:46:07 AM	Daily		1.8482E+000		In		
3/14/05 6:49:58 AM	DAILY QC		1.9325E+000				
3/15/05 7:03:18 AM	DAILY QC		1.9099E+000				
3/16/05 7:58:44 AM	DAILY QC		1.9671E+000				

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
3/17/05 7:11:25 AM	DAILY QC		1.9166E+000				
3/18/05 7:42:01 AM	DAILY QC		1.9464E+000				
3/21/05 7:21:52 AM	DAILY QC		1.9485E+000				
3/22/05 7:40:06 AM	DAILY QC		1.9515E+000				
3/23/05 7:56:41 AM	Daily QC		1.8984E+000				
3/24/05 8:15:06 AM	Daily QC		1.9603E+000				
3/29/05 7:00:14 AM	daily qc		1.9754E+000				
3/30/05 7:08:09 AM	Daily QC		1.9730E+000				
3/31/05 9:57:31 AM	Daily QC		1.9574E+000				
4/4/05 7:29:50 AM	DAILY QC		1.9314E+000				
4/5/05 7:13:23 AM	DAILY QC		1.9538E+000				
4/6/05 7:07:25 AM	Daily QC		1.9494E+000				
4/7/05 7:40:47 AM	Daily QC		1.9362E+000				
4/8/05 8:08:08 AM	Daily QC		1.9539E+000				
4/11/05 7:24:24 AM	Daily QC		1.9624E+000				
4/12/05 7:05:12 AM	DAILY QC		1.9778E+000				
4/13/05 7:15:21 AM	DAILY QC		1.9161E+000				
4/14/05 7:11:51 AM	DAILY QC		1.9350E+000				
4/15/05 7:57:55 AM	DAILY QC		1.9272E+000				
4/18/05 7:34:41 AM	DAILY QC		1.9305E+000				
4/19/05 7:22:10 AM	DAILY QC		1.9455E+000				
4/20/05 7:21:02 AM	DAILY QC		1.9173E+000				
4/21/05 7:34:41 AM	DAILY QC		2.0124E+000				
4/21/05 8:37:34 AM	DAILY QC		1.9621E+000				
4/22/05 9:35:38 AM	DAILY QC		1.9284E+000				
4/23/05 9:36:53 AM	DAILY QC		1.9469E+000				
4/25/05 8:07:58 AM	DAILY QC		1.9248E+000				
4/26/05 6:42:51 AM	DAILY QC		1.8993E+000				
4/27/05 7:11:12 AM	DAILY QC		1.9250E+000				
4/28/05 8:42:55 AM	DAILY QC		1.9985E+000				
5/2/05 10:53:46 AM	DAILY QC		2.0139E+000				
5/4/05 7:32:09 AM	DAILY QC		2.0272E+000				
5/4/05 11:00:11 AM	DAILY QC		2.0340E+000				
5/4/05 3:30:00 PM	DAILY QC		2.0549E+000				
5/4/05 3:51:50 PM	DAILY QC		1.9674E+000				
5/5/05 7:45:26 AM	DAILY QC		2.0510E+000				
5/5/05 10:06:34 AM	DAILY QC		2.0549E+000				
5/5/05 10:19:23 AM	DAILY QC		1.9803E+000				
5/9/05 8:26:23 AM	DAILY QC		2.0035E+000				
5/10/05 7:29:45 AM	daily		2.0619E+000		In		
5/11/05 10:02:33 AM	DAILY QC		2.0581E+000				
5/12/05 6:43:49 AM	DAILY QC		1.9980E+000				
5/14/05 10:59:43 AM	DAILY QC		2.0596E+000				
5/16/05 8:06:58 AM	DAILY QC		2.0273E+000				
5/17/05 7:20:40 AM	DAILY QC		2.0752E+000		In		
5/18/05 7:24:12 AM	DAILY QC		2.0286E+000				
5/19/05 8:41:45 AM	DAILY QC		1.9614E+000				
5/20/05 9:24:01 AM	DAILY QC		1.9414E+000				
5/24/05 7:25:16 AM	DAILY QC		1.9941E+000				
5/25/05 7:06:44 AM	DAILY QC		2.0539E+000				
5/26/05 10:30:13 AM	DAILY QC		2.0197E+000				
6/1/05 7:31:56 AM	DAILY QC		1.9970E+000				
6/2/05 8:45:11 AM	DAILY QC		2.0034E+000				
6/6/05 10:46:53 AM	DAILY QC		1.9817E+000				

Measurement Time	Sample ID	Analyst	Value (keV)	Flags LU	SD	UD	BS
6/7/05 7:43:24 AM	DAILY QC		2.0489E+000				
6/8/05 7:29:07 AM	DAILY QC		1.9849E+000				
6/9/05 12:12:07 PM	DAILY QC		1.9789E+000				

ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
**** G E N I E Q U A L I T Y A S S U R A N C E *****
****

Full Parameter Results Report
12/20/05 10:17:08 AM

A File: C:\CE Windsor\FSS Data\QC data\1
escription: 11% DCA - Am 241
arameter Units: pCi/Gram
arameter Type: Energy line

ample Start Date: 1/5/05 7:59:28 AM
ample End Date: 6/9/05 12:12:07 PM
ample Mean: 1.8346E+002
ample Std. Deviation: 7.3217E+000

Measurement Time		Sample ID	Analyst	Value (pCi/Gram)	Flags LU	SD	UD	BS
1/5/05	7:59:28 AM	Daily QC		1.8227E+002				
1/6/05	7:29:43 AM	DAILY QC		1.8308E+002				
1/7/05	8:02:50 AM	DAILY QC		1.7942E+002				
1/10/05	3:27:58 PM	DAILY QC		1.7209E+002				
1/11/05	7:25:49 AM	DAILY QC		1.8096E+002				
1/17/05	12:32:12 PM	DAILY QC		1.8142E+002				
1/17/05	1:00:03 PM	DAILY QC		1.6701E+002		In		
1/18/05	8:10:10 AM	DAILY QC		1.9000E+002				
1/19/05	12:47:27 PM	DAILY QC		1.8341E+002				
1/19/05	3:27:26 PM	DAILY QC		1.7503E+002				
1/20/05	7:14:21 AM	DAILY QC		1.8318E+002				
1/24/05	7:23:53 AM	Daily QC		1.7869E+002				
1/25/05	2:20:15 PM	DAILY QC		1.7415E+002				
1/27/05	7:35:30 AM	DAILY QC		1.8307E+002				
1/31/05	8:04:40 AM	DAILY QC		1.9245E+002				
2/1/05	9:45:56 AM	DAILY QC		1.8542E+002				
2/2/05	10:23:39 AM	DAILY QC		1.7208E+002				
2/7/05	7:43:10 AM	DAILY QC		1.6624E+002		In		
2/8/05	5:20:17 PM	daily qc		1.8463E+002				
2/9/05	6:46:23 AM	DAILY QC		1.8843E+002				
2/15/05	7:29:38 AM	DAILY QC		1.9262E+002				
2/15/05	7:45:33 AM	DAILY QC		1.8177E+002				
2/16/05	6:50:36 AM	Daily qc		1.8006E+002				
2/17/05	8:39:37 AM	DAILY QC		1.8353E+002				
2/21/05	8:39:44 AM	DAILY QC		1.8843E+002				
2/22/05	7:23:38 AM	DAILY QC		1.6860E+002		In		
2/23/05	8:31:12 AM	Daily QC		1.8571E+002				
2/24/05	7:18:39 AM	Daily		1.8007E+002				
2/28/05	12:43:12 PM	DAILY QC		1.7674E+002				
3/2/05	7:06:31 AM	DAILY QC		1.8732E+002				
3/3/05	8:47:15 AM	DAILY QC		1.7639E+002				
3/10/05	7:46:07 AM	Daily		1.9031E+002				
3/14/05	6:49:58 AM	DAILY QC		1.9617E+002				
3/15/05	7:03:18 AM	DAILY QC		1.9141E+002				
3/16/05	7:58:44 AM	DAILY QC		1.8521E+002				

Measurement Time	Sample ID	Analyst	Value (pCi/Gram)	Flags LU	SD	UD	BS
3/17/05 7:11:25 AM	DAILY QC		1.8592E+002				
3/18/05 7:42:01 AM	DAILY QC		1.7029E+002				
3/21/05 7:21:52 AM	DAILY QC		1.8655E+002				
3/22/05 7:40:06 AM	DAILY QC		1.9273E+002				
3/23/05 7:56:41 AM	Daily QC		1.6188E+002	In			
3/24/05 8:15:06 AM	Daily QC		1.9065E+002				
3/29/05 7:00:14 AM	daily qc		1.9779E+002				
3/30/05 7:08:09 AM	Daily QC		1.8331E+002				
3/31/05 9:57:31 AM	Daily QC		1.8476E+002				
4/4/05 7:29:50 AM	DAILY QC		1.8737E+002				
4/5/05 7:13:23 AM	DAILY QC		1.8295E+002				
4/6/05 7:07:25 AM	Daily QC		1.8903E+002				
4/7/05 7:40:47 AM	Daily QC		2.0301E+002	In			
4/8/05 8:08:08 AM	Daily QC		1.9115E+002				
4/11/05 7:24:24 AM	Daily QC		1.8969E+002				
4/12/05 7:05:12 AM	DAILY QC		1.8267E+002				
4/13/05 7:15:21 AM	DAILY QC		1.9006E+002				
4/14/05 7:11:51 AM	DAILY QC		1.9704E+002				
4/15/05 7:57:55 AM	DAILY QC		1.9888E+002	In			
4/18/05 7:34:41 AM	DAILY QC		1.8785E+002				
4/19/05 7:22:10 AM	DAILY QC		1.8932E+002				
4/20/05 7:21:02 AM	DAILY QC		1.8748E+002				
4/21/05 7:34:41 AM	DAILY QC		1.8210E+002				
4/21/05 8:37:34 AM	DAILY QC		1.7749E+002				
4/22/05 9:35:38 AM	DAILY QC		1.8256E+002				
4/23/05 9:36:53 AM	DAILY QC		1.8154E+002				
4/25/05 8:07:58 AM	DAILY QC		1.7842E+002				
4/26/05 6:42:51 AM	DAILY QC		1.8328E+002				
4/27/05 7:11:12 AM	DAILY QC		1.8261E+002				
4/28/05 8:42:55 AM	DAILY QC		1.7579E+002				
5/2/05 10:53:46 AM	DAILY QC		1.7584E+002				
5/4/05 7:32:09 AM	DAILY QC		1.7673E+002				
5/4/05 11:00:11 AM	DAILY QC		1.8207E+002				
5/4/05 3:30:00 PM	DAILY QC		1.8039E+002				
5/4/05 3:51:50 PM	DAILY QC		1.7699E+002				
5/5/05 7:45:26 AM	DAILY QC		1.8574E+002				
5/5/05 10:06:34 AM	DAILY QC		1.8532E+002				
5/5/05 10:19:23 AM	DAILY QC		1.6833E+002	In			
5/9/05 8:26:23 AM	DAILY QC		1.7887E+002				
5/10/05 7:29:45 AM	daily		1.8765E+002				
5/11/05 10:02:33 AM	DAILY QC		1.8369E+002				
5/12/05 6:43:49 AM	DAILY QC		1.8207E+002				
5/14/05 10:59:43 AM	DAILY QC		1.9486E+002				
5/16/05 8:06:58 AM	DAILY QC		1.8841E+002				
5/17/05 7:20:40 AM	DAILY QC		1.8528E+002				
5/18/05 7:24:12 AM	DAILY QC		1.7693E+002				
5/19/05 8:41:45 AM	DAILY QC		1.8239E+002				
5/20/05 9:24:01 AM	DAILY QC		1.8687E+002				
5/24/05 7:25:16 AM	DAILY QC		1.8556E+002				
5/25/05 7:06:44 AM	DAILY QC		1.8415E+002				
5/26/05 10:30:13 AM	DAILY QC		1.8755E+002				
6/1/05 7:31:56 AM	DAILY QC		1.7832E+002				
6/2/05 8:45:11 AM	DAILY QC		1.8976E+002				
6/6/05 10:46:53 AM	DAILY QC		1.8060E+002				

Measurement Time	Sample ID	Analyst	Value (pCi/Gram)	Flags LU	SD	UD	BS
6/7/05 7:43:24 AM	DAILY QC		1.8170E+002				
6/8/05 7:29:07 AM	DAILY QC		1.8525E+002				
6/9/05 12:12:07 PM	DAILY QC		1.8569E+002				

lags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
12/20/05 10:17:14 AM

File: C:\CE Windsor\FSS Data\QC data\1
scription: 11% DCA - Co 60
rameter Units: pCi/Gram
rameter Type: Energy line

mple Start Date: 1/5/05 7:59:28 AM
mple End Date: 6/9/05 12:12:07 PM
mple Mean: 1.2025E+002
mple Std. Deviation: 2.8653E+000

Measurement Time	Sample ID	Analyst	Value (pCi/Gram)	Flags LU	SD	UD	BS
1/5/05 7:59:28 AM	Daily QC		1.2597E+002				
1/6/05 7:29:43 AM	DAILY QC		1.1905E+002				
1/7/05 8:02:50 AM	DAILY QC		1.1838E+002				
1/10/05 3:27:58 PM	DAILY QC		1.1976E+002				
1/11/05 7:25:49 AM	DAILY QC		1.2105E+002				
1/17/05 12:32:12 PM	DAILY QC		1.1904E+002				
1/17/05 1:00:03 PM	DAILY QC		1.2029E+002				
1/18/05 8:10:10 AM	DAILY QC		1.1885E+002				
1/19/05 12:47:27 PM	DAILY QC		1.1672E+002				
1/19/05 3:27:26 PM	DAILY QC		1.2481E+002				
1/20/05 7:14:21 AM	DAILY QC		1.2126E+002				
1/24/05 7:23:53 AM	Daily QC		1.1655E+002				
1/25/05 2:20:15 PM	DAILY QC		1.1946E+002				
1/27/05 7:35:30 AM	DAILY QC		1.2110E+002				
1/31/05 8:04:40 AM	DAILY QC		1.1710E+002				
2/1/05 9:45:56 AM	DAILY QC		1.2343E+002				
2/2/05 10:23:39 AM	DAILY QC		1.1643E+002				
2/7/05 7:43:10 AM	DAILY QC		1.1814E+002				
2/8/05 5:20:17 PM	daily qc		1.1892E+002				
2/9/05 6:46:23 AM	DAILY QC		1.1949E+002				
2/15/05 7:29:38 AM	DAILY QC		1.2103E+002				
2/15/05 7:45:33 AM	DAILY QC		1.1857E+002				
2/16/05 6:50:36 AM	Daily qc		1.2093E+002				
2/17/05 8:39:37 AM	DAILY QC		1.2300E+002				
2/21/05 8:39:44 AM	DAILY QC		1.1855E+002				
2/22/05 7:23:38 AM	DAILY QC		1.2383E+002				
2/23/05 8:31:12 AM	Daily QC		1.1778E+002				
2/24/05 7:18:39 AM	Daily		1.2001E+002				
2/28/05 12:43:12 PM	DAILY QC		1.2303E+002				
3/2/05 7:06:31 AM	DAILY QC		1.2420E+002				
3/3/05 8:47:15 AM	DAILY QC		1.2224E+002				
3/10/05 7:46:07 AM	Daily		1.1790E+002				
3/14/05 6:49:58 AM	DAILY QC		1.2311E+002				
3/15/05 7:03:18 AM	DAILY QC		1.1887E+002				
3/16/05 7:58:44 AM	DAILY QC		1.2156E+002				

Measurement Time	Sample ID	Analyst	Value (pCi/Gram)	Flags LU	SD	UD	BS
3/17/05 7:11:25 AM	DAILY QC		1.2224E+002				
3/18/05 7:42:01 AM	DAILY QC		1.2186E+002				
3/21/05 7:21:52 AM	DAILY QC		1.2078E+002				
3/22/05 7:40:06 AM	DAILY QC		1.2516E+002				
3/23/05 7:56:41 AM	Daily QC		1.2451E+002				
3/24/05 8:15:06 AM	Daily QC		1.2550E+002				
3/29/05 7:00:14 AM	daily qc		1.1873E+002				
3/30/05 7:08:09 AM	Daily QC		1.2007E+002				
3/31/05 9:57:31 AM	Daily QC		1.2119E+002				
4/4/05 7:29:50 AM	DAILY QC		1.2277E+002				
4/5/05 7:13:23 AM	DAILY QC		1.2530E+002				
4/6/05 7:07:25 AM	Daily QC		1.1864E+002				
4/7/05 7:40:47 AM	Daily QC		1.1576E+002				
4/8/05 8:08:08 AM	Daily QC		1.1968E+002				
4/11/05 7:24:24 AM	Daily QC		1.2131E+002				
4/12/05 7:05:12 AM	DAILY QC		1.1883E+002				
4/13/05 7:15:21 AM	DAILY QC		1.1580E+002				
4/14/05 7:11:51 AM	DAILY QC		1.2054E+002				
4/15/05 7:57:55 AM	DAILY QC		1.2048E+002				
4/18/05 7:34:41 AM	DAILY QC		1.1932E+002				
4/19/05 7:22:10 AM	DAILY QC		1.1904E+002				
4/20/05 7:21:02 AM	DAILY QC		1.1954E+002				
4/21/05 7:34:41 AM	DAILY QC		1.2054E+002				
4/21/05 8:37:34 AM	DAILY QC		1.2282E+002				
4/22/05 9:35:38 AM	DAILY QC		1.1848E+002				
4/23/05 9:36:53 AM	DAILY QC		1.2252E+002				
4/25/05 8:07:58 AM	DAILY QC		1.1934E+002				
4/26/05 6:42:51 AM	DAILY QC		1.2274E+002				
4/27/05 7:11:12 AM	DAILY QC		1.1780E+002				
4/28/05 8:42:55 AM	DAILY QC		1.2245E+002				
5/2/05 10:53:46 AM	DAILY QC		1.2040E+002				
5/4/05 7:32:09 AM	DAILY QC		1.2173E+002				
5/4/05 11:00:11 AM	DAILY QC		1.2074E+002				
5/4/05 3:30:00 PM	DAILY QC		1.1971E+002				
5/4/05 3:51:50 PM	DAILY QC		1.2239E+002				
5/5/05 7:45:26 AM	DAILY QC		1.2063E+002				
5/5/05 10:06:34 AM	DAILY QC		1.1453E+002				
5/5/05 10:19:23 AM	DAILY QC		1.1925E+002				
5/9/05 8:26:23 AM	DAILY QC		1.2123E+002				
5/10/05 7:29:45 AM	daily		1.1745E+002				
5/11/05 10:02:33 AM	DAILY QC		1.1896E+002				
5/12/05 6:43:49 AM	DAILY QC		1.1660E+002				
5/14/05 10:59:43 AM	DAILY QC		1.2102E+002				
5/16/05 8:06:58 AM	DAILY QC		1.2164E+002				
5/17/05 7:20:40 AM	DAILY QC		1.1639E+002				
5/18/05 7:24:12 AM	DAILY QC		1.0524E+002		Ac		
5/19/05 8:41:45 AM	DAILY QC		1.2331E+002				
5/20/05 9:24:01 AM	DAILY QC		1.1957E+002				
5/24/05 7:25:16 AM	DAILY QC		1.1894E+002				
5/25/05 7:06:44 AM	DAILY QC		1.2066E+002				
5/26/05 10:30:13 AM	DAILY QC		1.2115E+002				
6/1/05 7:31:56 AM	DAILY QC		1.2426E+002				
6/2/05 8:45:11 AM	DAILY QC		1.1943E+002				
6/6/05 10:46:53 AM	DAILY QC		1.2253E+002				

Measurement Time	Sample ID	Analyst	Value (pCi/Gram)	Flags LU	SD	UD	BS
6/7/05 7:43:24 AM	DAILY QC		1.2004E+002				
6/8/05 7:29:07 AM	DAILY QC		1.2113E+002				
6/9/05 12:12:07 PM	DAILY QC		1.2002E+002				

.ags Key: LU = Lower/Upper Bounds Test (Ab = Above, Be = Below)
SD = Sample Driven N-Sigma Test (In = Investigate, Ac = Action)
UD = User Driven N-Sigma Test (In = Investigate, Ac = Action)
BS = Measurement Bias Test (In = Investigate, Ac = Action)

****
*** GENIE QUALITY ASSURANCE *****
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Full Parameter Results Report
3/8/06 3:12:25 PM

ı File: C:\CE Windsor\FSS Data\QA Dec 05
escription: DCA-1332 CO-60
ırameter Units: pCi
ırameter Type: Energy line

ımple Start Date: 7/27/05 11:56:39 AM
ımple End Date: 12/16/05 8:21:48 AM
ımple Mean: 9.5438E+004
ımple Std. Deviation: 1.1241E+003

Measurement Time	Sample ID	Analyst	Value (pCi)	Flags LU	SD	UD	BS
7/27/05 11:56:39 AM	30 07 27 05		9.5717E+004				
8/1/05 8:30:21 AM	30 08 01 05		9.4856E+004				
8/2/05 7:02:45 AM	30 08 02 05		9.3076E+004		In		
8/3/05 7:05:52 AM	30 08 03 05		9.5325E+004				
8/4/05 7:10:14 AM	30 08 04 05		9.6057E+004				
8/8/05 7:15:01 AM	30 08 05 08		9.5418E+004				
8/9/05 7:16:07 AM	30 08 09 05		9.6124E+004				
8/10/05 6:04:11 AM	30 08 10 05		9.5204E+004				
8/11/05 6:26:45 AM	30 08 11 05		9.5365E+004				
8/15/05 7:24:53 AM	30 08 15 05		9.4604E+004				
8/16/05 6:57:55 AM	30 08 16 05		9.5730E+004				
8/17/05 6:06:15 AM	30 08 17 05		9.5292E+004				
8/18/05 6:16:40 AM	30 08 18 05		9.3704E+004				
8/22/05 7:17:54 AM	30 08 22 05		9.7722E+004		In		
8/23/05 7:00:03 AM	30 08 23 05		9.5796E+004				
8/24/05 9:41:26 AM	30 08 05 24		9.6922E+004				
8/25/05 7:18:26 AM	30 08 05 25		9.3996E+004				
8/29/05 10:00:32 AM	30 08 05 29		9.4832E+004				
8/30/05 7:01:56 AM	30 08 05 30		9.4023E+004				
9/13/05 1:32:30 PM	30 09 05 13		9.6266E+004				
9/14/05 7:03:48 AM	30 09 14 05		9.5083E+004				
9/15/05 6:56:21 AM	30 09 15 05		9.4369E+004				
9/19/05 9:33:24 AM	30 09 19 05		9.7508E+004				
9/21/05 7:07:15 AM	30 09 21 05		9.3974E+004				
9/22/05 7:21:36 AM	30 09 22 05		9.4949E+004				
9/23/05 7:35:00 AM	30 09 23 05		9.6544E+004				
9/26/05 9:15:13 AM	30-09-26-05		9.7329E+004				
9/27/05 7:26:37 AM	30-09-27-05		9.5873E+004				
9/28/05 7:07:09 AM	30-09-28-05		9.5260E+004				
9/29/05 7:13:36 AM	30-09-29-05		9.5479E+004				
9/30/05 7:49:13 AM	30-09-30-05		9.4683E+004				
10/3/05 9:06:48 AM	30-10-03-05		9.5872E+004				
10/4/05 7:28:16 AM	30 10 04 05		9.3199E+004				
10/5/05 8:43:30 AM	30 10 05 05		9.4387E+004				
10/6/05 7:56:31 AM	30_10_06_05		9.5111E+004				

HPGe QC Replicate Comparison
November 2004 through May 2005

Sample ID	Co-60 (pCi/g)		U-235 (pCi/g)	
	Replicate Measurement (GEL)	Initial Measurement (on-site)	Replicate Measurement (GEL)	Initial Measurement (on-site)
MAC-0411-294	-1.94E-03	1.98E-02	1.07E-01	1.58E-01
MAC-0411-393	2.31E-02	6.15E-02	2.86E-01	5.04E-01
MAC-0411-404	6.51E-03	1.33E-02	3.08E-01	1.50E-01
MAC-0411-408	2.26E-02	9.56E-02	9.68E-02	2.24E-01
MAC-0411-430	2.20E-02	-4.70E-04	5.63E-02	1.35E-01
MAC-0411-441	1.98E-02	1.84E-02	1.43E-01	1.09E-01
MAC-0411-573	1.62E-02	6.10E-02	6.94E-02	1.73E-01
MAC-0411-590	4.56E-03	4.19E-02	9.10E-02	1.12E-01
MAC-0411-591	-1.38E-02	5.67E-02	-2.61E-02	1.09E-01
MAC-0411-595	2.68E-02	4.15E-02	3.21E-02	1.92E-01
MAC-0412-013	6.00E-03	4.45E-02	6.63E-02	1.17E-01
MAC-0412-031	-3.67E-02	2.16E-01	2.12E+03	1.85E+03
MAC-0412-093	-3.35E-02	9.68E-03	7.78E+01	5.95E+01
MAC-0412-114	7.18E-03	1.77E-02	1.28E-01	-2.22E-02
MAC-0412-129	-1.91E-02	3.42E-02	1.55E-01	1.59E-01
MAC-0412-149	-2.83E-03	7.81E-02	5.19E-02	1.29E-01
MAC-0412-157	1.87E-02	4.19E-02	2.23E-01	2.11E-01
MAC-0412-164	2.60E-01	0.00E+00	1.20E+01	4.04E+00
MAC-0412-169	-1.58E-04	-1.46E-02	1.76E-01	1.46E-01
MAC-0412-198	-8.97E-03	6.26E-04	-3.23E-02	6.29E-02
MAC-0412-284	2.16E-03	2.82E-02	5.66E-02	7.68E-02
MAC-0412-293	5.79E-03	3.57E-02	1.35E-01	2.34E-02
MAC-0412-297	1.33E-02	3.21E-02	2.78E-02	1.28E-01
MAC-0412-318	6.91E-03	4.48E-02	1.27E-01	1.89E-01
MAC-0412-325	1.50E-02	2.23E-02	1.38E-01	1.46E-01
MAC-0501-003	5.91E-03	2.73E-02	1.11E-01	1.70E-01
MAC-0501-004	1.15E-02	9.10E-02	4.47E-01	1.30E-01
MAC-0501-009	5.55E-02	-1.11E-02	1.98E+02	1.36E+02
MAC-0501-028	-9.32E-03	6.03E-02	2.88E+02	3.56E+02
MAC-0501-034	2.71E+01	-5.45E-02	1.13E+02	8.23E+01
MAC-0501-066	2.26E-03	3.48E-02	5.68E-02	9.30E-02
MAC-0501-072	1.68E-03	9.59E-02	1.27E-01	2.41E-01
MAC-0501-077	1.17E-02	-4.30E-02	7.70E-02	6.54E-02
MAC-0501-088	8.74E+01	2.19E+02	4.20E+01	5.40E+02
MAC-0501-118	2.65E-02	9.17E-02	9.87E-02	6.35E-01
MAC-0501-137	-5.28E-03	7.72E-02	2.15E-02	4.71E-01
MAC-0501-151	1.83E-02	5.64E-03	-9.34E-04	2.49E-02
MAC-0501-158	-5.61E-05	3.66E-02	6.23E-02	3.60E-02
MAC-0501-161	1.32E-02	4.94E-02	7.72E-02	8.48E-02
MAC-0501-171	-1.10E-02	-1.96E-02	1.66E-01	1.25E-01
MAC-0501-173	2.87E-02	1.09E-01	1.02E-01	9.32E-02
MAC-0502-020	0.00E+00	3.38E-02	2.80E-01	1.97E-01
MAC-0502-029	1.24E-01	1.64E-01	6.20E-01	2.68E-01
MAC-0502-036	3.70E-03	1.04E-01	5.57E-02	-4.66E-02
MAC-0502-046	5.57E-02	2.65E-02	3.23E-01	1.17E-01
MAC-0502-068	-2.68E-02	-9.52E-03	1.21E-01	1.01E-01
MAC-0503-003	1.33E-03	4.48E-02	8.85E-03	1.42E-01
MAC-0503-013	5.59E-03	-2.31E-02	1.97E-01	1.10E-01
MAC-0503-034	2.28E-02	1.54E+01	2.84E+01	5.40E+01
MAC-0503-038	1.44E-02	-2.65E-02	-2.00E-01	6.22E-02

HPGe QC Replicate Comparison
November 2004 through May 2005

Sample ID	Co-60 (pCi/g)		U-235 (pCi/g)	
	Replicate Measurement (GEL)	Initial Measurement (on-site)	Replicate Measurement (GEL)	Initial Measurement (on-site)
MAC-0503-049	2.67E-03	3.57E-02	7.96E-02	9.58E-02
MAC-0503-050	1.46E-02	1.53E-02	1.44E-01	1.17E-01
MAC-0503-062	2.98E-02	4.33E-02	-1.22E-02	7.04E-02
MAC-0503-069	2.98E-02	-1.10E-01	-3.45E-03	1.12E-01
MAC-0503-080	-2.53E-04	2.81E-02	1.89E-02	2.35E-01
MAC-0503-105	1.67E-02	-8.90E-03	6.96E-02	7.93E-02
MAC-0503-122	8.83E-01	4.52E-01	3.02E+00	1.41E+00
MAC-0503-146	-9.24E-03	-1.90E-02	6.70E-02	4.77E-02
MAC-0503-159	1.65E-02	3.71E-02	2.88E-02	1.18E-01
MAC-0503-164	1.22E-02	1.89E-02	0.00E+00	6.26E-02
MAC-0503-176	2.52E-02	5.61E-02	2.08E-02	3.85E-05
MAC-0504-002	6.51E-03	1.98E-01	1.09E-01	1.14E-01
MAC-0504-012	3.63E-02	1.83E-02	1.40E-01	-2.10E-02
MAC-0504-019	5.33E-03	-3.80E-02	9.03E-02	-2.80E-02
MAC-0504-022	0.00E+00	2.66E-02	2.08E-01	9.85E-02
MAC-0504-078	1.01E-02	3.16E-04	5.83E-02	-1.29E-02
MAC-0504-095	-3.06E-03	5.40E-02	1.38E-02	9.12E-02
MAC-0504-133	1.53E-02	5.81E-02	1.20E-01	7.37E-02
MAC-0504-141	1.82E-02	-2.96E-02	6.51E-02	8.85E-02
MAC-0504-168	6.19E-03	3.07E-02	2.61E-02	2.15E-01
MAC-0504-175	-7.99E-03	-4.65E-02	3.03E-02	1.15E-01
MAC-0504-192	2.05E-02	-2.68E-03	5.97E-02	8.99E-02
MAC-0504-199	1.07E-02	5.05E-02	5.79E-02	1.23E-01
MAC-0504-208	-5.86E-03	5.98E-02	1.97E-01	1.45E-01
MAC-0504-271	-1.09E-02	4.55E-02	3.56E-02	1.78E-01
MAC-0504-288	4.37E-02	-1.38E-02	4.06E-01	5.47E-01
MAC-0504-292	3.43E-03	4.96E-02	1.36E-01	6.90E-02
MAC-0504-348	1.19E-02	5.92E-02	1.76E-01	6.64E-02
MAC-0504-366	1.71E-02	-8.21E-02	1.17E-01	9.68E-02
MAC-0504-372	-8.53E-03	9.32E-02	2.40E-01	1.02E-01
MAC-0504-411	-1.08E-02	2.69E-02	8.95E-02	9.36E-02
MAC-0504-437	-4.00E-03	2.49E-02	8.41E-02	1.12E-01
MAC-0504-454	3.45E-03	1.42E-02	7.63E-02	5.87E-02
MAC-0504-517	6.38E-03	2.82E-02	8.57E-02	7.62E-02
MAC-0504-521	4.00E-03	7.42E-02	4.07E-02	7.34E-02
MAC-0504-546	8.72E-03	1.31E-02	1.30E-01	2.11E-01
SS-FSS-02-05-B1	6.31E-03	-5.27E-03	5.02E-02	5.39E-02
SS-FSS-05-028	9.08E-03	7.46E-03	2.72E-02	1.17E-01
SS-FSS-05-050	-1.20E-02	9.07E-03	7.98E-02	1.49E-01
SS-FSS-05-054	1.46E-02	4.22E-02	1.38E-01	2.28E-01
SS-FSS-05-075	-1.42E-04	4.92E-02	6.30E-02	-8.66E-03
SS-FSS-05-087	5.25E-03	1.92E-02	1.58E-01	1.55E-01
SS-FSS-17-010	9.01E-03	-1.02E-02	6.54E-02	1.74E-01
SS-FSS-17-013	9.20E-03	3.17E-02	3.66E-02	3.97E-02
SS-FSS-17-019	3.99E-02	1.96E-02	8.42E-02	4.88E-02
SS-FSS-17-043	1.85E-02	3.27E-02	5.48E-02	1.42E-01
SS-FSS-17-062	1.46E-03	1.53E-01	-3.96E-03	1.57E-01
SS-FSS-17-098	-1.48E-02	-4.18E-02	3.54E-02	1.74E-01
SS-FSS-17-134	2.76E-03	3.41E-02	5.74E-03	-1.49E-02

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0411-294
Sample Title: B2 14 Fence post holes composite SW Boun
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.326E+002 g
Sample Taken On: 11/10/2004 12:00:00 PM
Acquisition Started: 11/11/2004 11:38:27 AM
Live Time: 300.0 seconds
Real Time: 300.4 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.62E+001	1.36E+001	5.16E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-6.93E-002	1.72E-001	1.88E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.37E-003	1.30E-001	2.23E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.98E-002	1.63E-001	3.83E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.09E-002	3.94E-001	8.18E-001
AG-110m	NOT FOUND/DATA for	1384.30 keV		0.00E+000	0.00E+000	4.08E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-6.13E-002	3.87E-001	7.59E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.90E-002	1.40E-001	2.65E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-8.42E-002	1.80E-001	2.68E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.46E-001	2.51E-001	5.88E-001
PB-212	1.94E+000	1.03E+000	7.31E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		4.28E-001	4.16E-001	9.43E-001
PB-214	7.58E-001	3.62E-001	5.32E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.10E+000	3.30E+000	6.61E+000
AC-228	NOT FOUND/DATA for	338.32 keV		-3.16E-001	9.80E-001	1.83E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.86E+001	5.30E+001	1.11E+002
PA-231	NOT FOUND/DATA for	302.65 keV		-7.22E+000	7.72E+000	9.35E+000
PA-234	NOT FOUND/DATA for	131.20 keV		8.86E-002	5.24E-001	9.22E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.53E+001	2.93E+001	7.43E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.20E+000	2.81E+000	5.37E+000
U-234	NOT FOUND/DATA for	53.20 keV		-3.07E+002	5.16E+002	8.91E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.58E-001	1.99E-001	4.02E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.20E+000	2.81E+000	5.37E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.24E-001	8.34E-001	1.63E+000

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0411-393
Sample Title: B-17 RMA S Intermodal BKRU025644 #6
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.900E+002 g
Sample Taken On: 11/15/2004 12:00:00 PM
Acquisition Started: 11/16/2004 2:01:47 PM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.56E+001	1.44E+001	3.10E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.82E-002	9.35E-002	2.24E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.39E-003	1.07E-001	1.87E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			6.15E-002	1.81E-001	3.68E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.60E-001	3.61E-001	5.08E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			4.30E-003	1.38E-001	2.62E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.21E-001	2.77E-001	5.90E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-4.25E-002	1.25E-001	1.99E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.58E-002	1.25E-001	2.58E-001
TL-208	4.28E-001	1.73E-001	2.64E-001	FOUND		
PB-212	1.70E+000	7.93E-001	6.10E-001	FOUND		
BI-214	7.26E-001	3.10E-001	4.83E-001	FOUND		
PB-214	8.72E-001	1.08E+000	5.34E-001	FOUND		
RA-226	8.28E+000	2.79E+000	5.97E+000	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			1.13E+000	7.80E-001	1.74E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.69E+001	4.20E+001	7.59E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-1.49E-001	4.10E+000	7.20E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.27E-001	5.24E-001	8.27E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.55E+001	2.56E+001	5.57E+001
TH-234	3.27E+000	1.83E+000	4.66E+000	FOUND		
U-234	NOT FOUND/DATA for 53.20 keV			-3.34E+002	3.61E+002	5.76E+002
U-235	5.04E-001	1.71E-001	3.64E-001	FOUND		
U-238	3.27E+000	1.83E+000	4.66E+000	FOUND		
AM-241	NOT FOUND/DATA for 59.54 keV			-5.43E-003	7.92E-001	1.48E+000

Uncertainty reported at 2.0 sigma

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*** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0411-404
Sample Title: B-17 RMA E Intermodal #BKRU026191 #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.520E+002 g
Sample Taken On: 11/15/2004 12:00:00 PM
Acquisition Started: 11/17/2004 8:40:49 AM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.34E+001	1.13E+001	3.46E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.03E-001	9.43E-002	2.40E-001
CO-57	NOT FOUND/DATA for	122.06 keV		6.55E-002	9.67E-002	1.81E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.33E-002	1.22E-001	2.40E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.69E-002	2.67E-001	5.27E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.64E-003	1.23E-001	2.29E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.65E-001	2.76E-001	4.01E-001
CS-134	NOT FOUND/DATA for	604.70 keV		3.24E-004	1.07E-001	1.98E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.69E-002	1.22E-001	2.54E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.92E-001	1.93E-001	4.27E-001
PB-212	1.07E+000	4.85E-001	4.91E-001	FOUND		
BI-214	6.99E-001	2.83E-001	4.07E-001	FOUND		
PB-214	7.04E-001	2.77E-001	4.99E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.61E+000	2.51E+000	4.96E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.35E+000	7.09E-001	1.65E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.29E+001	3.60E+001	7.16E+001
PA-231	NOT FOUND/DATA for	300.02 keV		4.92E+000	4.38E+000	8.03E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.80E-001	4.22E-001	6.87E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.16E-001	1.56E+001	2.99E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.87E+000	1.93E+000	3.67E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.04E+002	4.21E+002	7.19E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.50E-001	1.53E-001	3.05E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.87E+000	1.93E+000	3.67E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.84E-001	7.71E-001	1.31E+000

Uncertainty reported at 2.0 sigma

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*** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0411-408
Sample Title: B-17 RMA E Intermodal #BKRU025580 #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.240E+002 g
Sample Taken On: 11/15/2004 12:00:00 PM
Acquisition Started: 11/17/2004 9:36:37 AM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.78E+001	1.61E+001	3.13E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.11E-003	9.78E-002	2.15E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.32E-003	1.12E-001	1.93E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		9.56E-002	1.41E-001	3.22E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		0.00E+000	3.89E-001	6.93E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-7.61E-002	1.56E-001	2.73E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-9.35E-002	4.26E-001	7.74E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-8.41E-002	1.44E-001	2.35E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.08E-002	1.66E-001	3.28E-001
TL-208	3.72E-001	1.41E-001	3.50E-001	FOUND		
PB-212	1.29E+000	6.59E-001	6.61E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		8.62E-001	4.41E-001	9.82E-001
PB-214	NOT FOUND/DATA for	351.92 keV		8.98E-001	4.28E-001	9.26E-001
RA-226	NOT FOUND/DATA for	186.10 keV		4.52E+000	3.49E+000	6.91E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.26E+000	8.07E-001	1.86E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-3.34E+001	4.51E+001	7.75E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.39E+000	4.92E+000	8.88E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.58E-001	5.01E-001	9.07E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.77E+001	2.70E+001	3.21E+001
TH-234	NOT FOUND/DATA for	92.60 keV		9.97E-001	2.47E+000	4.45E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.99E+002	4.76E+002	8.41E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.24E-001	2.07E-001	4.08E-001
U-238	NOT FOUND/DATA for	92.60 keV		9.97E-001	2.47E+000	4.45E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.24E-001	8.40E-001	1.57E+000

Uncertainty reported at 2.0 sigma

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*** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0411-430
Sample Title: B-17 RMA E Intermodal #BKRU025609 #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.360E+002 g
Sample Taken On: 11/15/2004 12:00:00 PM
Acquisition Started: 11/18/2004 12:38:11 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.18E+001	1.39E+001	3.58E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.27E-003	1.37E-001	2.57E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.37E-002	1.11E-001	1.97E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-4.70E-004	1.31E-001	2.47E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.52E-001	4.89E-001	3.35E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-4.20E-002	1.41E-001	2.56E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-9.89E-002	2.92E-001	5.28E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.18E-001	1.80E-001	2.11E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.11E-001	1.22E-001	2.80E-001
TL-208	4.23E-001	5.02E-001	2.11E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		1.05E+000	2.98E-001	6.48E-001
BI-214	8.55E-001	1.13E+000	5.76E-001	FOUND		
PB-214	8.23E-001	3.03E-001	4.67E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.44E+000	2.48E+000	4.95E+000
AC-228	NOT FOUND/DATA for	911.21 keV		-7.38E-002	2.39E-001	1.59E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.22E+001	3.78E+001	7.49E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.06E+000	3.48E+000	6.40E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-5.45E-001	4.36E-001	5.86E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.37E+000	2.24E+001	4.28E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.75E-001	2.16E+000	3.73E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.16E+001	3.64E+002	7.08E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.35E-001	1.48E-001	2.92E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.75E-001	2.16E+000	3.73E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.54E-002	6.69E-001	1.29E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0411-441
Sample Title: B-17 RMA E Intermodal #BKRU025728 #6
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.850E+002 g
Sample Taken On: 11/15/2004 12:00:00 PM
Acquisition Started: 11/22/2004 10:37:30 AM
Live Time: 600.0 seconds
Real Time: 600.8 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.20E+001	1.08E+001	2.75E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.61E-002	1.11E-001	2.31E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-5.71E-002	9.40E-002	1.51E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.84E-002	1.44E-001	2.69E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.61E-001	3.16E-001	4.45E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-6.25E-002	1.54E-001	2.62E-001
SB-125	NOT FOUND/DATA for 427.89 keV			5.09E-002	2.04E-001	4.30E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-4.42E-002	1.16E-001	2.04E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.71E-002	1.10E-001	2.11E-001
TL-208	3.82E-001	4.80E-001	2.71E-001	FOUND		
PB-212	9.67E-001	2.55E-001	5.04E-001	FOUND		
BI-214	9.31E-001	3.38E-001	5.26E-001	FOUND		
PB-214	4.15E-001	5.31E-001	5.30E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			6.41E-001	2.50E+000	4.55E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.41E+000	6.24E-001	1.52E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.39E+001	3.90E+001	6.95E+001
PA-231	NOT FOUND/DATA for 300.02 keV			4.97E+000	4.34E+000	7.74E+000
PA-234	NOT FOUND/DATA for 98.44 keV			2.16E-001	3.22E-001	6.11E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			5.04E+000	2.37E+001	4.20E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.79E+000	2.14E+000	3.93E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.19E+002	3.36E+002	5.83E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.09E-001	1.45E-001	2.82E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.79E+000	2.14E+000	3.93E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.01E-001	7.24E-001	1.27E+000

Uncertainty reported at 2.0 sigma

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*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0411-573
Sample Title: Bay C N. Storm Drain Scraping I/S clay p
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.439E+002 g
Sample Taken On: 11/23/2004 12:00:00 PM
Acquisition Started: 11/23/2004 8:28:47 AM
Live Time: 3600.0 seconds
Real Time: 3605.8 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.89E+001	4.86E+000	1.23E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.70E-002	4.94E-002	9.50E-002
CO-57	NOT FOUND/DATA for	122.06 keV		2.56E-002	4.93E-002	8.35E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		6.10E-002	4.73E-002	1.05E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.07E-001	1.31E-001	2.03E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-7.11E-002	5.29E-002	7.76E-002
SB-125	NOT FOUND/DATA for	427.89 keV		1.98E-002	1.24E-001	2.26E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.71E-002	5.33E-002	8.28E-002
CS-137	NOT FOUND/DATA for	661.66 keV		1.30E-001	6.83E-002	1.36E-001
TL-208	4.31E-001	2.33E-001	1.44E-001	FOUND		
PB-212	1.60E+000	2.46E-001	2.29E-001	FOUND		
BI-214	1.21E+000	1.54E-001	2.44E-001	FOUND		
PB-214	1.03E+000	1.91E-001	2.86E-001	FOUND		
RA-226	2.85E+000	4.83E+000	2.46E+000	FOUND		
AC-228	1.10E+000	3.11E-001	3.92E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-4.40E+000	1.97E+001	3.44E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.91E+000	1.97E+000	3.23E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.30E-002	1.97E-001	3.24E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-5.10E+000	8.72E+000	1.47E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.60E+000	9.42E-001	1.65E+000
U-234	NOT FOUND/DATA for	53.20 keV		8.19E+001	1.74E+002	3.15E+002
U-235	1.73E-001	2.94E-001	1.50E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		1.60E+000	9.41E-001	1.65E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.32E-001	3.31E-001	6.05E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0411-590
Sample Title: B-2 Asphalt Soil Pile #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.544E+002 g
Sample Taken On: 11/24/2004 12:00:00 PM
Acquisition Started: 11/24/2004 6:41:05 AM
Live Time: 1800.0 seconds
Real Time: 1802.8 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.08E+001	5.49E+000	1.26E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.94E-002	4.92E-002	9.69E-002
CO-57	NOT FOUND/DATA for 122.06 keV			-1.37E-003	4.88E-002	8.14E-002
CO-60	NOT FOUND/DATA for 1173.24 keV			4.19E-002	6.10E-002	1.27E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.55E-001	1.51E-001	1.96E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-2.82E-002	5.22E-002	9.03E-002
SB-125	NOT FOUND/DATA for 427.89 keV			4.89E-003	1.32E-001	2.44E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.16E-002	4.99E-002	8.63E-002
CS-137	NOT FOUND/DATA for 661.66 keV			4.86E-002	6.27E-002	1.25E-001
TL-208	2.69E-001	6.71E-002	1.09E-001	FOUND		
PB-212	6.98E-001	1.11E-001	2.62E-001	FOUND		
BI-214	7.20E-001	4.10E-001	2.26E-001	FOUND		
PB-214	4.22E-001	1.77E-001	3.02E-001	FOUND		
RA-226	1.84E+000	7.83E-001	2.39E+000	FOUND		
AC-228	8.65E-001	2.11E-001	4.23E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			1.45E+001	1.93E+001	3.68E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-5.31E-002	1.84E+000	3.14E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-9.53E-002	2.15E-001	3.33E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.21E+000	9.10E+000	1.80E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.18E+000	9.58E-001	1.72E+000
U-234	NOT FOUND/DATA for 53.20 keV			8.47E+001	1.85E+002	3.45E+002
U-235	1.12E-001	4.77E-002	1.45E-001	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			1.18E+000	9.57E-001	1.72E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.59E-001	3.18E-001	5.52E-001

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0411-591
Sample Title: B-5 Asphalt soil sample beside B-6A #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.808E+002 g
Sample Taken On: 11/24/2004 12:00:00 PM
Acquisition Started: 11/24/2004 9:26:19 AM
Live Time: 1800.0 seconds
Real Time: 1802.7 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.92E+001	2.28E+000	1.57E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.78E-002	5.66E-002	1.25E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.12E-002	4.78E-002	7.72E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		5.67E-003	5.59E-002	1.11E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		2.09E-003	1.31E-001	2.50E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.43E-004	5.60E-002	1.02E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.10E-002	1.38E-001	2.51E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.22E-002	5.63E-002	9.40E-002
CS-137	1.42E-001	5.79E-002	9.84E-002	FOUND		
TL-208	2.80E-001	7.41E-002	1.35E-001	FOUND		
PB-212	5.44E-001	1.13E-001	2.57E-001	FOUND		
BI-214	4.98E-001	1.45E-001	2.60E-001	FOUND		
PB-214	7.15E-001	5.66E-002	3.04E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.55E+000	1.38E+000	2.67E+000
AC-228	6.34E-001	2.04E-001	4.42E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		2.70E+000	2.13E+001	3.91E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.93E+000	2.32E+000	3.97E+000
PA-234	NOT FOUND/DATA for	131.20 keV		3.62E-002	2.23E-001	3.77E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.88E+000	1.12E+001	2.18E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.03E+000	1.03E+000	1.83E+000
U-234	NOT FOUND/DATA for	53.20 keV		-8.87E+001	1.91E+002	3.33E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.09E-001	8.43E-002	1.59E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.03E+000	1.03E+000	1.83E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-7.08E-002	3.93E-001	6.97E-001

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0411-595
Sample Title: B-5 Asphalt soil sample next to main rd.
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.755E+002 g
Sample Taken On: 11/24/2004 12:00:00 PM
Acquisition Started: 11/24/2004 10:28:25 AM
Live Time: 1800.0 seconds
Real Time: 1802.7 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.14E+001	2.42E+000	1.40E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-2.36E-002	5.66E-002	1.01E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.92E-002	5.46E-002	8.64E-002
CO-60	NOT FOUND/DATA for 1173.24 keV			4.15E-002	8.40E-002	1.64E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.46E-001	1.48E-001	2.26E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-2.20E-002	5.10E-002	8.83E-002
SB-125	NOT FOUND/DATA for 427.89 keV			-3.48E-002	1.43E-001	2.53E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.03E-002	6.22E-002	8.94E-002
CS-137	NOT FOUND/DATA for 661.66 keV			1.19E-001	7.36E-002	1.56E-001
TL-208	2.87E-001	1.74E-001	1.30E-001	FOUND		
PB-212	8.97E-001	2.45E-001	2.86E-001	FOUND		
BI-214	7.90E-001	4.76E-001	2.93E-001	FOUND		
PB-214	8.11E-001	1.36E-001	3.14E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.63E+000	1.31E+000	2.56E+000
AC-228	NOT FOUND/DATA for 911.21 keV			4.84E-001	2.92E-001	6.28E-001
TH-230	NOT FOUND/DATA for 67.67 keV			-6.81E-001	2.16E+001	3.91E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.86E-001	1.97E+000	3.44E+000
PA-234	NOT FOUND/DATA for 98.44 keV			6.55E-002	2.13E-001	3.65E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-7.69E+000	1.11E+001	1.62E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.66E+000	1.06E+000	1.94E+000
U-234	NOT FOUND/DATA for 53.20 keV			-8.26E+001	1.85E+002	3.20E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.92E-001	8.09E-002	1.61E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.66E+000	1.06E+000	1.94E+000
AM-241	NOT FOUND/DATA for 59.54 keV			7.25E-002	3.47E-001	6.43E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-13
Sample Title: B-5 Elec lines composite #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 1.016E+003 g
Sample Taken On: 12/1/2004 12:00:00 PM
Acquisition Started: 12/2/2004 7:48:38 AM
Live Time: 1200.0 seconds
Real Time: 1201.8 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.62E+001	4.77E+000	1.34E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.96E-003	5.12E-002	9.81E-002
CO-57	NOT FOUND/DATA for 122.06 keV			-2.52E-002	4.55E-002	7.29E-002
CO-60	NOT FOUND/DATA for 1332.50 keV			4.45E-002	4.88E-002	1.16E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.41E-003	9.19E-002	1.69E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			2.77E-002	5.18E-002	1.03E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-8.50E-002	1.21E-001	1.89E-001
CS-134	NOT FOUND/DATA for 604.70 keV			1.69E-003	4.98E-002	9.28E-002
CS-137	NOT FOUND/DATA for 661.66 keV			2.93E-002	6.72E-002	1.27E-001
TL-208	2.24E-001	2.00E-001	1.14E-001	FOUND		
PB-212	6.20E-001	1.22E-001	2.33E-001	FOUND		
BI-214	6.93E-001	1.61E-001	2.28E-001	FOUND		
PB-214	5.20E-001	3.02E-001	2.59E-001	FOUND		
RA-226	1.93E+000	8.97E-001	2.31E+000	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			5.60E-001	2.86E-001	6.33E-001
TH-230	NOT FOUND/DATA for 67.67 keV			-1.26E+001	2.09E+001	3.60E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.03E+000	1.72E+000	3.01E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-3.62E-002	2.02E-001	3.30E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			4.87E+000	9.01E+000	1.85E+001
TH-234	NOT FOUND/DATA for 92.60 keV			6.76E-001	9.04E-001	1.61E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.27E+002	1.83E+002	3.43E+002
U-235	1.17E-001	5.47E-002	1.41E-001	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			6.76E-001	9.04E-001	1.61E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.61E-001	3.35E-001	5.71E-001

Uncertainty reported at 2.0 sigma

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**** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0412-31
Sample Title: B-17 SD17025 #24
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 4.023E+002 g
Sample Taken On: 12/2/2004 2:30:00 PM
Acquisition Started: 12/2/2004 3:39:52 PM
Live Time: 600.0 seconds
Real Time: 610.4 seconds
Dead Time: 1.71 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.85E+001	5.00E+000	7.22E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-2.39E-001	5.66E-001	9.73E-001
CO-57	1.44E+001	1.52E+000	4.07E+000	FOUND		
CO-60	NOT FOUND/DATA for 1332.50 keV			2.16E-001	2.83E-001	6.31E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-5.76E-001	6.72E-001	1.03E+000
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.60E-001	6.67E-001	1.16E+000
SB-125	NOT FOUND/DATA for 427.89 keV			-2.54E-001	1.81E+000	3.13E+000
CS-134	NOT FOUND/DATA for 604.70 keV			-1.44E-001	6.59E-001	1.14E+000
CS-137	NOT FOUND/DATA for 661.66 keV			-3.08E-001	7.51E-001	1.29E+000
TL-208	NOT FOUND/DATA for 583.19 keV			2.54E+000	8.83E-001	1.69E+000
PB-212	1.26E+001	4.78E+000	9.56E+000	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			-2.25E-001	1.47E+000	2.52E+000
PB-214	NOT FOUND/DATA for 351.92 keV			1.62E+000	1.65E+000	2.93E+000
RA-226	NOT FOUND/DATA for 186.10 keV			3.14E+004	1.76E+003	7.54E+001
AC-228	NOT FOUND/DATA for 911.21 keV			5.97E-001	1.74E+000	3.32E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-4.87E+002	8.26E+002	1.39E+003
PA-231	NOT FOUND/DATA for 300.02 keV			1.71E+001	2.73E+001	4.43E+001
PA-234	4.31E+001	1.79E+001	8.16E+000	FOUND		
PA-234M	1.45E+004	1.27E+003	2.35E+002	FOUND		
TH-234	6.25E+003	3.74E+002	8.83E+001	FOUND		
U-234	2.79E+004	2.38E+004	2.07E+004	FOUND		
U-235	1.85E+003	7.11E+001	4.59E+000	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			8.38E+003	5.36E+002	8.83E+001
AM-241	NOT FOUND/DATA for 59.54 keV			3.38E+000	1.35E+001	2.32E+001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-93
Sample Title: B-5 I/W Pipe high bay B-5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.171E+002 g
Sample Taken On: 12/7/2004 3:35:00 PM
Acquisition Started: 12/7/2004 3:42:58 PM
Live Time: 600.0 seconds
Real Time: 601.7 seconds
Dead Time: 0.28 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.18E+001	3.25E+000	3.74E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	-5.16E-002	1.72E-001	3.14E-001
CO-57	4.58E-001	2.24E-001	7.76E-001	FOUND		
CO-60	NOT FOUND/DATA for		1173.24 keV	9.68E-003	1.55E-001	3.07E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	9.00E-002	3.27E-001	6.43E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	3.35E-002	2.13E-001	3.95E-001
SB-125	NOT FOUND/DATA for		427.89 keV	-2.07E-001	5.37E-001	9.29E-001
CS-134	NOT FOUND/DATA for		604.70 keV	-1.83E-001	1.76E-001	3.11E-001
CS-137	NOT FOUND/DATA for		661.66 keV	-1.37E-001	2.45E-001	3.91E-001
TL-208	NOT FOUND/DATA for		583.19 keV	8.19E-002	2.41E-001	4.46E-001
PB-212	NOT FOUND/DATA for		238.63 keV	6.88E-001	3.86E-001	7.50E-001
BI-214	2.44E+000	1.94E+000	1.01E+000	FOUND		
PB-214	2.09E+000	1.62E+000	1.07E+000	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	9.81E+002	5.89E+001	2.02E+001
AC-228	1.55E+000	2.04E-001	1.30E+000	FOUND		
TH-230	NOT FOUND/DATA for		67.67 keV	1.24E+002	1.63E+002	2.91E+002
PA-231	NOT FOUND/DATA for		300.02 keV	1.40E+000	6.76E+000	1.17E+001
PA-234	NOT FOUND/DATA for		883.24 keV	8.67E-002	1.39E+000	2.47E+000
PA-234M	1.37E+003	2.77E+002	6.78E+001	FOUND		
TH-234	5.74E+002	3.80E+001	2.18E+001	FOUND		
U-234	NOT FOUND/DATA for		53.20 keV	8.74E+002	1.36E+003	2.41E+003
U-235	5.95E+001	3.42E+000	1.23E+000	FOUND		
U-238	NOT FOUND/DATA for		92.60 keV	6.18E+002	4.05E+001	2.18E+001
AM-241	NOT FOUND/DATA for		59.54 keV	3.05E-001	2.86E+000	4.98E+000

Uncertainty reported at 2.0 sigma

****
*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-114
Sample Title: B-5 Conduit line sub soil #11
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.555E+002 g
Sample Taken On: 12/7/2004 12:00:00 PM
Acquisition Started: 12/9/2004 7:57:55 AM
Live Time: 1500.0 seconds
Real Time: 1502.0 seconds
Dead Time: 0.13 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.36E+001	7.36E+000	2.12E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	1.38E-003	6.34E-002	1.22E-001
CO-57	NOT FOUND/DATA for		122.06 keV	1.06E-002	6.57E-002	1.11E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	1.77E-002	6.98E-002	1.39E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-3.67E-002	1.58E-001	2.90E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	-9.03E-002	7.59E-002	9.76E-002
SB-125	NOT FOUND/DATA for		427.89 keV	5.81E-002	1.78E-001	3.37E-001
CS-134	NOT FOUND/DATA for		604.70 keV	-9.73E-002	7.23E-002	1.04E-001
CS-137	NOT FOUND/DATA for		661.66 keV	-2.23E-002	7.70E-002	1.37E-001
TL-208	3.95E-001	4.48E-001	1.72E-001	FOUND		
PB-212	8.40E-001	1.58E-001	3.29E-001	FOUND		
BI-214	8.84E-001	3.83E-001	3.23E-001	FOUND		
PB-214	7.61E-001	1.70E-001	2.70E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	2.87E-001	1.53E+000	2.74E+000
AC-228	NOT FOUND/DATA for		911.21 keV	1.10E+000	4.18E-001	9.21E-001
TH-230	NOT FOUND/DATA for		67.67 keV	2.65E+000	2.80E+001	4.93E+001
PA-231	NOT FOUND/DATA for		300.02 keV	8.11E-001	2.57E+000	4.37E+000
PA-234	NOT FOUND/DATA for		98.44 keV	-1.16E-001	2.73E-001	4.27E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	-1.73E-001	1.08E+001	2.08E+001
TH-234	NOT FOUND/DATA for		92.60 keV	5.10E-001	1.16E+000	2.02E+000
U-234	NOT FOUND/DATA for		53.20 keV	-1.19E+002	2.27E+002	3.92E+002
U-235	NOT FOUND/DATA for		185.71 keV	-2.22E-002	9.31E-002	1.63E-001
U-238	NOT FOUND/DATA for		92.60 keV	5.10E-001	1.16E+000	2.02E+000
AM-241	NOT FOUND/DATA for		59.54 keV	4.16E-001	4.53E-001	8.74E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-129
Sample Title: B-5 Fire line by H/W man hole #9
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.530E+002 g
Sample Taken On: 12/9/2004 12:00:00 PM
Acquisition Started: 12/13/2004 10:41:01 AM
Live Time: 1800.0 seconds
Real Time: 1802.3 seconds
Dead Time: 0.13 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.17E+001	5.14E+000	1.64E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.40E-002	6.36E-002	1.31E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.03E-002	5.94E-002	1.01E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		3.42E-002	8.66E-002	1.61E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.01E-002	1.64E-001	2.94E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.63E-002	7.05E-002	1.01E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.00E-001	1.61E-001	2.75E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.76E-002	6.33E-002	1.10E-001
CS-137	1.23E-001	1.04E-001	1.06E-001	FOUND		
TL-208	3.81E-001	3.33E-001	1.45E-001	FOUND		
PB-212	1.47E+000	2.98E-001	2.79E-001	FOUND		
BI-214	7.60E-001	1.63E-001	2.84E-001	FOUND		
PB-214	5.68E-001	1.30E-001	2.87E-001	FOUND		
RA-226	2.61E+000	3.40E+000	2.41E+000	FOUND		
AC-228	7.65E-001	3.09E-001	4.95E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-3.96E+000	2.47E+001	4.41E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.12E+000	2.26E+000	3.94E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.44E-002	2.33E-001	3.88E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.43E+000	1.13E+001	2.08E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.22E+000	1.13E+000	2.10E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.93E+001	2.00E+002	3.56E+002
U-235	1.59E-001	2.07E-001	1.47E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		2.22E+000	1.13E+000	2.10E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.25E-001	4.25E-001	7.78E-001

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-149
Sample Title: B-5 I/W Trench bottom composite #9
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.175E+002 g
Sample Taken On: 12/13/2004 12:00:00 PM
Acquisition Started: 12/14/2004 11:18:32 AM
Live Time: 1800.0 seconds
Real Time: 1802.6 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.51E+001	5.78E+000	1.25E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.93E-002	6.70E-002	1.13E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.47E-002	6.32E-002	1.11E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		7.81E-002	6.61E-002	1.54E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.41E-001	1.74E-001	2.70E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.58E-002	6.26E-002	1.11E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.05E-002	1.74E-001	3.21E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.74E-002	6.34E-002	1.19E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.12E-002	8.01E-002	1.53E-001
TL-208	4.34E-001	3.36E-001	1.55E-001	FOUND		
PB-212	1.12E+000	1.58E-001	3.40E-001	FOUND		
BI-214	6.08E-001	1.52E-001	2.92E-001	FOUND		
PB-214	9.96E-001	2.44E-001	3.14E-001	FOUND		
RA-226	2.12E+000	2.50E+000	3.33E+000	FOUND		
AC-228	9.67E-001	2.54E-001	5.59E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		2.97E-001	2.86E+001	4.94E+001
PA-231	NOT FOUND/DATA for	300.02 keV		4.36E-001	2.24E+000	3.86E+000
PA-234	NOT FOUND/DATA for	98.44 keV		6.58E-002	2.45E-001	4.15E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.13E+001	1.04E+001	2.30E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.06E+000	1.16E+000	2.14E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.90E+000	2.23E+002	4.04E+002
U-235	1.29E-001	1.52E-001	2.03E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		2.06E+000	1.16E+000	2.14E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.52E-001	4.05E-001	7.15E-001

Uncertainty reported at 2.0 sigma

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*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-157
Sample Title: B-2 I/W clay pipe run NE to woods #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 4.115E+002 g
Sample Taken On: 12/14/2004 12:00:00 PM
Acquisition Started: 12/14/2004 2:19:10 PM
Live Time: 4500.0 seconds
Real Time: 4506.8 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	4.07E+001	5.87E+000	1.93E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.13E-003	6.74E-002	1.20E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.94E-002	5.83E-002	9.42E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		4.19E-002	6.73E-002	1.34E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.39E-001	1.68E-001	2.65E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.34E-002	6.31E-002	1.13E-001
SB-125	NOT FOUND/DATA for	427.89 keV		6.28E-002	1.64E-001	2.99E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.50E-002	5.26E-002	9.63E-002
CS-137	NOT FOUND/DATA for	661.66 keV		5.46E-002	7.32E-002	1.37E-001
TL-208	9.40E-001	2.96E-001	1.80E-001	FOUND		
PB-212	2.35E+000	2.06E-001	2.68E-001	FOUND		
BI-214	1.98E+000	5.48E-001	3.32E-001	FOUND		
PB-214	2.04E+000	4.91E-001	4.15E-001	FOUND		
RA-226	3.47E+000	2.79E-001	2.91E+000	FOUND		
AC-228	1.88E+000	4.07E-001	5.73E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-2.39E+000	2.56E+001	4.47E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.88E+000	2.38E+000	3.91E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.64E-002	2.42E-001	3.97E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		9.96E+000	1.15E+001	2.22E+001
TH-234	2.59E+000	8.84E-001	2.69E+000	FOUND		
U-234	NOT FOUND/DATA for	53.20 keV		-3.49E+001	2.20E+002	3.85E+002
U-235	2.11E-001	1.78E-002	1.77E-001	FOUND		
U-238	2.59E+000	8.82E-001	2.69E+000	FOUND		
AM-241	NOT FOUND/DATA for	59.54 keV		-1.61E-002	4.19E-001	7.36E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-164
Sample Title: IW-5-1214-07 B5 Hi Bay IW Line #7
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.580E+002 g
Sample Taken On: 12/14/2004 12:00:00 PM
Acquisition Started: 12/15/2004 6:53:43 AM
Live Time: 1200.0 seconds
Real Time: 1201.9 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.97E+001	3.01E+000	2.19E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.44E-002	7.74E-002	1.69E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.63E-003	9.62E-002	1.61E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		0.00E+000	0.00E+000	3.11E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.75E-001	2.26E-001	3.07E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.87E-002	6.08E-002	9.62E-002
SB-125	NOT FOUND/DATA for	427.89 keV		6.59E-002	2.21E-001	4.31E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.40E-002	8.85E-002	1.45E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.15E-002	9.00E-002	1.79E-001
TL-208	3.01E-001	3.41E-001	1.86E-001	FOUND		
PB-212	1.31E+000	4.94E-001	3.59E-001	FOUND		
BI-214	6.34E-001	7.03E-001	3.87E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		8.34E-001	2.65E-001	5.73E-001
RA-226	NOT FOUND/DATA for	186.10 keV		6.66E+001	5.95E+000	6.25E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.17E-001	4.28E-001	1.00E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.51E+001	3.87E+001	6.51E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.05E+000	2.86E+000	4.69E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.13E-001	3.68E-001	5.84E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.76E-001	1.60E+001	3.06E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.39E+000	1.94E+000	3.47E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.89E+001	3.40E+002	6.25E+002
U-235	4.04E+000	3.36E-001	3.80E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		2.39E+000	1.94E+000	3.47E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.67E-001	5.96E-001	1.11E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-169
Sample Title: B-5 I/W Spoils pile #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.130E+002 g
Sample Taken On: 12/14/2004 12:00:00 PM
Acquisition Started: 12/15/2004 10:39:21 AM
Live Time: 1500.0 seconds
Real Time: 1502.4 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.20E+001	2.62E+000	1.88E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.12E-002	6.74E-002	1.29E-001
CO-57	NOT FOUND/DATA for	122.06 keV		8.19E-003	5.73E-002	9.72E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.46E-002	6.04E-002	1.16E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.04E-002	1.39E-001	2.32E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		2.10E-002	5.83E-002	1.15E-001
SB-125	NOT FOUND/DATA for	427.89 keV		6.23E-003	1.57E-001	2.93E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.34E-002	6.30E-002	1.08E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.29E-002	6.51E-002	1.26E-001
TL-208	3.61E-001	2.68E-001	1.37E-001	FOUND		
PB-212	1.16E+000	2.88E-001	3.38E-001	FOUND		
BI-214	8.03E-001	1.77E-001	2.94E-001	FOUND		
PB-214	5.37E-001	1.24E-001	3.25E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.38E+000	1.47E+000	2.84E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.17E+000	3.97E-001	8.83E-001
TH-230	NOT FOUND/DATA for	67.67 keV		2.72E+001	2.37E+001	4.62E+001
PA-231	NOT FOUND/DATA for	300.02 keV		8.40E-001	2.23E+000	3.85E+000
PA-234	NOT FOUND/DATA for	98.44 keV		9.53E-003	2.32E-001	3.90E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.55E+001	1.17E+001	2.59E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.35E-001	1.22E+000	2.10E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.00E+002	2.35E+002	3.88E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.46E-001	8.95E-002	1.73E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.35E-001	1.22E+000	2.10E+000
AM-241	NOT FOUND/DATA for	59.54 keV		6.28E-002	4.11E-001	7.54E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-198
Sample Title: B-5 Fire line spoils composite #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.997E+002 g
Sample Taken On: 12/14/2004 12:00:00 PM
Acquisition Started: 12/15/2004 2:20:46 PM
Live Time: 1500.0 seconds
Real Time: 1502.2 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.09E+001	5.42E+000	1.45E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.99E-003	5.11E-002	9.32E-002
CO-57	NOT FOUND/DATA for	122.06 keV		1.45E-002	5.90E-002	9.95E-002
CO-60	NOT FOUND/DATA for	1173.24 keV		6.26E-004	7.99E-002	1.42E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-8.82E-002	1.70E-001	2.46E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-6.94E-002	6.66E-002	1.01E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.56E-002	1.49E-001	2.65E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.69E-002	6.14E-002	1.04E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-1.44E-002	7.11E-002	1.23E-001
TL-208	3.27E-001	8.43E-002	1.60E-001	FOUND		
PB-212	7.67E-001	1.36E-001	2.75E-001	FOUND		
BI-214	5.32E-001	1.48E-001	2.77E-001	FOUND		
PB-214	6.46E-001	1.57E-001	3.13E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.16E+000	1.35E+000	2.54E+000
AC-228	6.57E-001	2.74E-001	4.92E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.07E+000	2.46E+001	4.38E+001
PA-231	NOT FOUND/DATA for	300.02 keV		6.43E-001	2.41E+000	4.17E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.40E-001	2.40E-001	3.55E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.69E-001	1.09E+001	2.02E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.01E+000	1.13E+000	2.11E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.79E+002	2.02E+002	3.02E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.29E-002	8.28E-002	1.55E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.01E+000	1.13E+000	2.11E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.37E-001	3.63E-001	6.89E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-284
Sample Title: B-5 Hi Bay Conc. I/W under pipe
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.831E+002 g
Sample Taken On: 12/21/2004 12:00:00 PM
Acquisition Started: 12/22/2004 12:35:49 PM
Live Time: 1500.0 seconds
Real Time: 1502.3 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.45E+001	4.97E+000	9.58E-001	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.27E-002	5.27E-002	1.12E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.28E-003	5.69E-002	9.40E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		2.82E-002	6.50E-002	1.34E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.19E-002	1.51E-001	2.12E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.37E-002	6.10E-002	1.09E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.35E-002	1.56E-001	2.89E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.80E-002	6.35E-002	9.99E-002
CS-137	NOT FOUND/DATA for	661.66 keV		1.04E-002	6.60E-002	1.23E-001
TL-208	3.93E-001	1.40E-001	1.41E-001	FOUND		
PB-212	9.22E-001	1.39E-001	2.66E-001	FOUND		
BI-214	8.87E-001	1.72E-001	3.10E-001	FOUND		
PB-214	1.00E+000	4.26E-001	3.03E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.48E+000	1.23E+000	2.35E+000
AC-228	7.94E-001	3.40E-001	4.16E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.92E+001	2.35E+001	3.88E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.26E+000	2.44E+000	3.94E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-9.00E-002	2.33E-001	3.62E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.41E-001	1.16E+001	2.13E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.35E-001	1.04E+000	1.80E+000
U-234	NOT FOUND/DATA for	53.20 keV		-3.48E+001	1.91E+002	3.38E+002
U-235	NOT FOUND/DATA for	185.71 keV		7.68E-002	7.58E-002	1.43E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.35E-001	1.04E+000	1.80E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.18E-002	3.76E-001	6.76E-001

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-293
Sample Title: B5 Roof vent drain N side running E/W #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.012E+002 g
Sample Taken On: 12/21/2004 12:00:00 PM
Acquisition Started: 12/27/2004 10:19:52 AM
Live Time: 1500.0 seconds
Real Time: 1502.5 seconds
Dead Time: 0.17 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.04E+001	5.01E+000	1.45E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			8.40E-003	4.41E-002	8.70E-002
CO-57	NOT FOUND/DATA for 122.06 keV			2.51E-002	4.73E-002	8.20E-002
CO-60	NOT FOUND/DATA for 1332.50 keV			3.57E-002	4.93E-002	1.09E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.05E-002	1.22E-001	2.25E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-6.20E-004	4.34E-002	8.07E-002
SB-125	NOT FOUND/DATA for 427.89 keV			-8.93E-002	1.25E-001	2.10E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-8.55E-002	5.34E-002	6.21E-002
CS-137	NOT FOUND/DATA for 661.66 keV			4.23E-002	5.67E-002	1.14E-001
TL-208	2.05E-001	1.79E-001	9.79E-002	FOUND		
PB-212	6.59E-001	1.17E-001	2.17E-001	FOUND		
BI-214	6.54E-001	4.62E-001	1.95E-001	FOUND		
PB-214	3.79E-001	1.18E-001	1.99E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			6.99E-001	1.13E+000	2.07E+000
AC-228	7.75E-001	2.28E-001	3.64E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			-1.53E+001	1.97E+001	3.32E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.16E+000	1.71E+000	3.02E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.05E-001	2.02E-001	3.07E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.48E+000	8.75E+000	1.71E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.37E+000	9.40E-001	1.71E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.29E+001	1.63E+002	2.88E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.34E-002	6.70E-002	1.22E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.37E+000	9.39E-001	1.71E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-8.74E-002	3.03E-001	5.40E-001

Uncertainty reported at 2.0 sigma

****
*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-297
Sample Title: B17 Lay down area, concrete soil sample
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.410E+002 g
Sample Taken On: 12/27/2004 12:00:00 PM
Acquisition Started: 12/27/2004 4:27:06 PM
Live Time: 1500.0 seconds
Real Time: 1502.6 seconds
Dead Time: 0.17 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.20E+001	7.40E+000	1.78E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.52E-002	7.20E-002	1.30E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.31E-003	6.74E-002	1.13E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.21E-002	7.70E-002	1.68E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-6.38E-002	1.87E-001	3.39E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		4.06E-002	7.87E-002	1.57E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.56E-002	1.96E-001	3.61E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-2.84E-002	8.70E-002	1.41E-001
CS-137	NOT FOUND/DATA for	661.66 keV		9.44E-002	8.89E-002	1.87E-001
TL-208	3.71E-001	3.52E-001	1.49E-001	FOUND		
PB-212	4.76E-001	1.29E-001	3.25E-001	FOUND		
BI-214	6.44E-001	2.01E-001	3.27E-001	FOUND		
PB-214	5.80E-001	5.36E-001	3.26E-001	FOUND		
RA-226	2.10E+000	1.31E+000	3.31E+000	FOUND		
AC-228	NOT FOUND/DATA for	911.21 keV		6.46E-001	3.62E-001	8.17E-001
TH-230	NOT FOUND/DATA for	67.67 keV		1.03E+001	3.22E+001	5.78E+001
PA-231	NOT FOUND/DATA for	300.02 keV		9.33E-001	2.52E+000	4.51E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-3.23E-002	2.75E-001	4.62E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.00E+001	1.26E+001	2.78E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.36E-001	1.31E+000	2.23E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.83E+002	2.56E+002	4.93E+002
U-235	1.28E-001	7.98E-002	2.02E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		1.36E-001	1.31E+000	2.23E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.61E-001	4.76E-001	8.39E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-318
Sample Title: B-5 I/W Trench Bottom #4
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.260E+002 g
Sample Taken On: 12/29/2004 12:00:00 PM
Acquisition Started: 1/4/2005 9:10:32 AM
Live Time: 2100.0 seconds
Real Time: 2103.0 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.56E+001	5.49E+000	1.43E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.50E-002	6.02E-002	1.22E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-8.22E-003	5.69E-002	9.42E-002
CO-60	NOT FOUND/DATA for 1332.50 keV			4.48E-002	5.77E-002	1.27E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-3.09E-002	1.63E-001	2.79E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			2.52E-002	5.96E-002	1.15E-001
SB-125	NOT FOUND/DATA for 427.89 keV			4.71E-003	1.53E-001	2.78E-001
CS-134	NOT FOUND/DATA for 604.70 keV			7.18E-003	5.66E-002	1.03E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.43E-002	6.49E-002	1.28E-001
TL-208	3.57E-001	8.05E-002	1.43E-001	FOUND		
PB-212	1.06E+000	1.43E-001	2.46E-001	FOUND		
BI-214	9.90E-001	5.71E-001	2.31E-001	FOUND		
PB-214	8.63E-001	1.58E-001	3.00E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.05E+000	1.44E+000	2.68E+000
AC-228	1.04E+000	1.96E-001	4.90E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			-6.80E+000	2.27E+001	3.96E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.87E-001	2.17E+000	3.72E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-6.19E-002	2.46E-001	3.99E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-9.30E-001	1.18E+001	2.11E+001
TH-234	NOT FOUND/DATA for 92.60 keV			7.54E-001	1.12E+000	1.93E+000
U-234	NOT FOUND/DATA for 53.20 keV			8.45E+001	2.27E+002	4.13E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.89E-001	8.62E-002	1.66E-001
U-238	NOT FOUND/DATA for 92.60 keV			7.54E-001	1.12E+000	1.93E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-3.20E-001	3.98E-001	6.75E-001

Uncertainty reported at 2.0 sigma

****
*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-325
Sample Title: B-5 I/W & Sanitary S wing internal comp
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.495E+002 g
Sample Taken On: 12/30/2004 12:00:00 PM
Acquisition Started: 1/4/2005 11:35:32 AM
Live Time: 1800.0 seconds
Real Time: 1801.2 seconds
Dead Time: 0.07 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.21E+001	5.81E+000	1.19E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		8.58E-002	5.80E-002	1.30E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.16E-002	5.86E-002	9.88E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		2.23E-002	6.69E-002	1.35E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		4.22E-002	1.31E-001	2.60E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		3.43E-002	5.85E-002	1.14E-001
SB-125	NOT FOUND/DATA for	427.89 keV		7.94E-002	1.69E-001	3.23E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.20E-002	6.41E-002	1.09E-001
CS-137	NOT FOUND/DATA for	661.66 keV		9.44E-002	7.11E-002	1.49E-001
TL-208	2.85E-001	2.81E-001	1.37E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		6.21E-001	1.58E-001	3.14E-001
BI-214	7.12E-001	5.74E-001	3.00E-001	FOUND		
PB-214	6.39E-001	1.54E-001	2.68E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.17E+000	1.37E+000	2.63E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.57E-001	3.34E-001	7.46E-001
TH-230	NOT FOUND/DATA for	67.67 keV		7.20E+000	2.19E+001	4.07E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.03E+000	2.23E+000	3.89E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-3.63E-002	2.29E-001	3.75E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.16E-001	1.07E+001	1.98E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-4.57E-002	1.09E+000	1.83E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.70E+001	2.13E+002	3.90E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.46E-001	8.21E-002	1.58E-001
U-238	NOT FOUND/DATA for	92.60 keV		-4.57E-002	1.09E+000	1.83E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.81E-001	4.15E-001	6.80E-001

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0501-03
Sample Title: Bay C Excavator 210 L track #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.018E+002 g
Sample Taken On: 1/4/2005 12:00:00 PM
Acquisition Started: 1/4/2005 4:23:52 PM
Live Time: 1294.8 seconds
Real Time: 1295.6 seconds
Dead Time: 0.06 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.96E+001	9.42E+000	1.94E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		9.57E-003	6.61E-002	1.28E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.06E-002	6.89E-002	1.18E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.73E-002	7.94E-002	1.68E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.44E-001	2.28E-001	3.29E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.16E-002	7.65E-002	1.32E-001
SB-125	NOT FOUND/DATA for	427.89 keV		6.53E-002	1.93E-001	3.59E-001
CS-134	NOT FOUND/DATA for	604.70 keV		4.30E-003	6.77E-002	1.24E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.82E-002	8.32E-002	1.59E-001
TL-208	3.68E-001	3.46E-001	1.69E-001	FOUND		
PB-212	1.51E+000	3.27E-001	3.33E-001	FOUND		
BI-214	1.06E+000	2.06E-001	3.04E-001	FOUND		
PB-214	9.16E-001	1.68E-001	3.23E-001	FOUND		
RA-226	2.80E+000	1.29E+000	2.75E+000	FOUND		
AC-228	1.32E+000	3.82E-001	5.46E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-4.85E+000	3.08E+001	5.44E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.89E+000	2.67E+000	4.63E+000
PA-234	NOT FOUND/DATA for	98.44 keV		5.60E-002	2.77E-001	4.71E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.74E+000	1.32E+001	2.25E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.17E+000	1.33E+000	2.47E+000
U-234	NOT FOUND/DATA for	53.20 keV		-8.10E+001	2.45E+002	4.28E+002
U-235	1.70E-001	7.89E-002	1.67E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		2.17E+000	1.33E+000	2.47E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.88E-001	4.85E-001	9.20E-001

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0501-04
Sample Title: Bay C Excavator 210 Bucket #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.583E+002 g
Sample Taken On: 1/4/2005 12:00:00 PM
Acquisition Started: 1/4/2005 4:46:55 PM
Live Time: 2100.0 seconds
Real Time: 2101.5 seconds
Dead Time: 0.07 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.79E+001	5.72E+000	1.46E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.05E-002	4.82E-002	1.01E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.62E-002	5.71E-002	9.55E-002
CO-60	NOT FOUND/DATA for 1332.50 keV			9.10E-002	6.51E-002	1.47E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.33E-001	1.53E-001	2.33E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-7.94E-003	5.24E-002	9.54E-002
SB-125	NOT FOUND/DATA for 427.89 keV			1.01E-001	1.47E-001	2.80E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.38E-002	5.22E-002	9.31E-002
CS-137	NOT FOUND/DATA for 661.66 keV			-3.88E-002	6.32E-002	1.08E-001
TL-208	3.97E-001	2.87E-001	1.47E-001	FOUND		
PB-212	1.46E+000	2.58E-001	2.82E-001	FOUND		
BI-214	1.02E+000	1.71E-001	2.85E-001	FOUND		
PB-214	1.04E+000	2.26E-001	3.09E-001	FOUND		
RA-226	2.13E+000	1.85E+000	2.44E+000	FOUND		
AC-228	1.24E+000	2.54E-001	5.04E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			1.64E+001	2.35E+001	4.35E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.80E+000	2.19E+000	3.70E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.22E-001	2.28E-001	3.62E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.18E+000	1.13E+001	2.15E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.47E-002	1.13E+000	1.89E+000
U-234	NOT FOUND/DATA for 53.20 keV			-6.47E+001	1.97E+002	3.45E+002
U-235	1.30E-001	1.13E-001	1.49E-001	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			1.47E-002	1.13E+000	1.89E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-6.67E-002	3.76E-001	6.69E-001

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0501-09
Sample Title: B-17 HW040105-06
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 4.660E+002 g
Sample Taken On: 1/4/2005 12:00:00 PM
Acquisition Started: 1/5/2005 8:48:28 AM
Live Time: 600.0 seconds
Real Time: 601.3 seconds
Dead Time: 0.22 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	NOT FOUND/DATA for 1460.75 keV			1.41E+001	4.77E+000	1.09E+001
MN-54	NOT FOUND/DATA for 834.83 keV			6.07E-002	1.79E-001	3.64E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.68E-001	5.52E-001	9.18E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-1.11E-002	2.04E-001	4.20E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.07E-001	3.88E-001	4.55E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.79E-001	2.18E-001	4.48E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.13E-001	6.28E-001	1.18E+000
CS-134	NOT FOUND/DATA for 604.70 keV			-1.49E-001	1.75E-001	2.88E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.00E-001	2.71E-001	5.68E-001
TL-208	3.75E-001	2.21E-001	4.42E-001	FOUND		
PB-212	6.88E-001	3.85E-001	8.53E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			6.43E-001	5.22E-001	1.09E+000
PB-214	NOT FOUND/DATA for 351.92 keV			4.83E-001	5.36E-001	1.04E+000
RA-226	NOT FOUND/DATA for 186.10 keV			2.20E+003	1.43E+002	2.94E+001
AC-228	NOT FOUND/DATA for 911.21 keV			-2.35E-002	7.60E-001	1.52E+000
TH-230	NOT FOUND/DATA for 67.67 keV			5.40E+001	2.47E+002	4.27E+002
PA-231	NOT FOUND/DATA for 300.02 keV			-3.01E-001	8.00E+000	1.36E+001
PA-234	NOT FOUND/DATA for 883.24 keV			3.20E-001	1.55E+000	3.05E+000
PA-234M	1.16E+003	3.12E+002	8.70E+001	FOUND		
TH-234	7.15E+002	4.70E+001	3.09E+001	FOUND		
U-234	NOT FOUND/DATA for 53.20 keV			2.14E+003	2.17E+003	3.78E+003
U-235	1.36E+002	6.46E+000	1.79E+000	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			7.39E+002	4.88E+001	3.09E+001
AM-241	NOT FOUND/DATA for 59.54 keV			-2.11E+000	4.08E+000	6.96E+000

Uncertainty reported at 2.0 sigma

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*** CERTIFICATE OF ANALYSIS *****

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Site Location: CE Windsor
Sample ID: MAC-0501-028
Sample Title: B17 H/W Trench Bottom - #8
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.506E+002 g
Sample Taken On: 1/5/2005 12:00:00 PM
Acquisition Started: 1/6/2005 9:34:01 AM
Live Time: 900.0 seconds
Real Time: 908.2 seconds
Dead Time: 0.91 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.66E+001	8.16E+000	2.74E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-8.19E-002	1.85E-001	3.19E-001
CO-57	2.58E+000	4.44E-001	1.52E+000	FOUND		
CO-60	NOT FOUND/DATA for 1332.50 keV			6.03E-002	1.20E-001	2.47E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-8.42E-002	2.60E-001	4.55E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-7.90E-002	2.20E-001	3.80E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.17E-001	6.10E-001	1.07E+000
CS-134	NOT FOUND/DATA for 604.70 keV			1.88E-002	2.13E-001	3.77E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.57E-001	2.43E-001	4.06E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.61E-001	2.76E-001	5.08E-001
PB-212	1.10E+000	2.24E-001	8.16E-001	FOUND		
BI-214	7.64E-001	3.57E-001	9.71E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			1.03E+000	5.61E-001	1.03E+000
RA-226	NOT FOUND/DATA for 186.10 keV			5.99E+003	3.39E+002	3.06E+001
AC-228	NOT FOUND/DATA for 911.21 keV			1.34E+000	6.90E-001	1.44E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.28E+002	2.94E+002	4.97E+002
PA-231	NOT FOUND/DATA for 300.02 keV			5.15E+000	9.00E+000	1.47E+001
PA-234	4.27E+000	1.73E+000	2.72E+000	FOUND		
PA-234M	3.89E+003	3.85E+002	8.69E+001	FOUND		
TH-234	NOT FOUND/DATA for 92.60 keV			2.15E+003	1.41E+002	3.22E+001
U-234	4.51E+003	2.09E+003	6.19E+003	FOUND		
U-235	3.56E+002	1.48E+001	1.86E+000	FOUND		
U-238	1.87E+003	1.01E+002	3.22E+001	FOUND		
AM-241	NOT FOUND/DATA for 59.54 keV			-6.30E+000	4.76E+000	7.94E+000

Uncertainty reported at 2.0 sigma

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**** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0501-034
Sample Title: B17 H/W Trench Bottom - #14
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.041E+002 g
Sample Taken On: 1/5/2005 12:00:00 PM
Acquisition Started: 1/6/2005 1:35:33 PM
Live Time: 600.0 seconds
Real Time: 602.2 seconds
Dead Time: 0.37 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.45E+001	1.06E+001	2.73E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-4.65E-002	1.27E-001	2.27E-001
CO-57	5.02E-001	2.45E-001	7.01E-001	FOUND		
CO-60	NOT FOUND/DATA for 1173.24 keV			-5.45E-002	1.28E-001	1.86E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.56E-001	2.63E-001	4.01E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.22E-003	1.52E-001	2.70E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.79E-002	4.08E-001	7.42E-001
CS-134	NOT FOUND/DATA for 604.70 keV			6.33E-002	1.45E-001	2.75E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.19E-002	1.65E-001	3.13E-001
TL-208	NOT FOUND/DATA for 583.19 keV			4.95E-001	2.12E-001	4.39E-001
PB-212	1.06E+000	3.04E-001	7.11E-001	FOUND		
BI-214	9.42E-001	3.07E-001	5.89E-001	FOUND		
PB-214	8.93E-001	3.26E-001	6.44E-001	FOUND		
RA-226	1.64E+002	1.11E+002	1.91E+001	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			7.83E-001	5.33E-001	1.19E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.21E+001	1.72E+002	2.95E+002
PA-231	NOT FOUND/DATA for 300.02 keV			1.30E+000	5.58E+000	9.56E+000
PA-234	NOT FOUND/DATA for 883.24 keV			-6.64E-002	8.81E-001	1.69E+000
PA-234M	7.47E+002	1.82E+002	4.58E+001	FOUND		
TH-234	2.56E+002	1.70E+001	1.97E+001	FOUND		
U-234	NOT FOUND/DATA for 53.20 keV			1.48E+003	1.33E+003	2.30E+003
U-235	8.23E+001	3.92E+000	1.16E+000	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			3.63E+002	2.44E+001	1.97E+001
AM-241	NOT FOUND/DATA for 59.54 keV			4.75E-001	2.69E+000	4.64E+000

Uncertainty reported at 2.0 sigma

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*** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0501-066
Sample Title: B2 Storm Drain Spoils pile - #4
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.487E+002 g
Sample Taken On: 1/11/2005 12:00:00 PM
Acquisition Started: 1/12/2005 10:33:52 AM
Live Time: 1200.0 seconds
Real Time: 1201.6 seconds
Dead Time: 0.13 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.15E+001	4.80E+000	1.75E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		8.36E-003	5.74E-002	1.13E-001
CO-57	NOT FOUND/DATA for	122.06 keV		8.99E-003	6.72E-002	1.12E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.48E-002	6.32E-002	1.45E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.15E-001	1.68E-001	2.15E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-7.16E-002	6.52E-002	1.03E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.23E-001	1.89E-001	3.93E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.28E-002	5.13E-002	1.02E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.19E-001	8.90E-002	1.87E-001
TL-208	2.76E-001	4.03E-001	1.39E-001	FOUND		
PB-212	1.27E+000	4.20E-001	3.28E-001	FOUND		
BI-214	1.02E+000	2.03E-001	2.84E-001	FOUND		
PB-214	6.52E-001	2.38E-001	2.95E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.09E+000	1.52E+000	2.95E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.85E-001	4.22E-001	9.25E-001
TH-230	NOT FOUND/DATA for	67.67 keV		2.55E+001	2.61E+001	5.11E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.76E+000	2.69E+000	4.72E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.71E-001	2.88E-001	4.30E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		7.27E+000	1.07E+001	2.28E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.47E-001	1.27E+000	2.20E+000
U-234	NOT FOUND/DATA for	53.20 keV		-7.11E-001	2.29E+002	4.20E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.30E-002	9.10E-002	1.74E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.47E-001	1.27E+000	2.20E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.05E-001	4.29E-001	8.20E-001

Uncertainty reported at 2.0 sigma

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**** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0501-072
Sample Title: B2 TCotta Storm Drain N/Fence - #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 3.871E+002 g
Sample Taken On: 1/12/2005 12:00:00 PM
Acquisition Started: 1/12/2005 12:49:43 PM
Live Time: 1800.0 seconds
Real Time: 1802.5 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	4.51E+001	1.02E+001	2.79E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			9.14E-002	1.08E-001	2.23E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-8.64E-002	1.11E-001	1.75E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			9.59E-002	1.17E-001	2.52E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-6.08E-002	2.77E-001	4.91E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			3.47E-002	1.01E-001	1.95E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.34E-001	3.14E-001	6.02E-001
CS-134	NOT FOUND/DATA for 604.70 keV			7.40E-003	1.19E-001	2.14E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.59E-003	1.25E-001	2.31E-001
TL-208	1.29E+000	5.23E-001	2.94E-001	FOUND		
PB-212	4.20E+000	6.28E-001	4.91E-001	FOUND		
BI-214	2.84E+000	1.04E+000	5.48E-001	FOUND		
PB-214	2.77E+000	3.25E-001	7.14E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			6.17E+000	2.83E+000	5.43E+000
AC-228	3.03E+000	7.78E-001	9.66E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			-4.18E+001	4.77E+001	7.92E+001
PA-231	NOT FOUND/DATA for 300.02 keV			5.56E+000	4.53E+000	7.34E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-4.00E-001	5.14E-001	7.15E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			6.74E+000	2.03E+001	3.98E+001
TH-234	NOT FOUND/DATA for 92.60 keV			3.10E+000	2.37E+000	4.15E+000
U-234	NOT FOUND/DATA for 53.20 keV			6.94E+001	3.98E+002	7.20E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.41E-001	1.69E-001	3.14E-001
U-238	NOT FOUND/DATA for 92.60 keV			3.10E+000	2.37E+000	4.15E+000
AM-241	NOT FOUND/DATA for 59.54 keV			6.56E-001	7.51E-001	1.41E+000

Uncertainty reported at 2.0 sigma

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*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0501-77
Sample Title: B5 South H/W "Footer wall" Term - #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.969E+002 g
Sample Taken On: 1/13/2004 12:00:00 PM
Acquisition Started: 1/13/2005 7:15:09 AM
Live Time: 1200.0 seconds
Real Time: 1201.5 seconds
Dead Time: 0.13 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.20E+001	2.86E+000	1.94E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.74E-002	1.49E-001	3.04E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.41E-003	1.82E-001	3.05E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-4.30E-002	8.80E-002	1.60E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.55E-001	4.73E-001	9.58E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-8.32E-002	1.89E-001	3.25E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-4.68E-002	2.29E-001	4.02E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.43E-002	9.41E-002	1.71E-001
CS-137	NOT FOUND/DATA for	661.66 keV		9.99E-002	8.10E-002	1.77E-001
TL-208	3.72E-001	1.03E-001	1.78E-001	FOUND		
PB-212	1.36E+000	4.81E-001	3.28E-001	FOUND		
BI-214	9.25E-001	2.18E-001	3.21E-001	FOUND		
PB-214	7.98E-001	4.63E-001	3.27E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.07E+000	1.71E+000	3.26E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.19E+000	4.61E-001	1.04E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.78E+001	2.91E+001	4.86E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.96E+000	2.92E+000	5.03E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-4.32E-002	2.86E-001	4.70E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-6.04E+000	1.43E+001	2.36E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.25E-001	1.33E+000	2.30E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.67E+001	2.69E+002	4.92E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.54E-002	1.03E-001	1.91E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.25E-001	1.33E+000	2.30E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.88E-001	4.72E-001	8.24E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0501-88
Sample Title: B5 H/W Line HW50113-06 - #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 4.540E+002 g
Sample Taken On: 1/13/2005 12:00:00 PM
Acquisition Started: 1/17/2005 7:49:08 AM
Live Time: 900.0 seconds
Real Time: 903.7 seconds
Dead Time: 0.41 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.25E+001	3.00E+001	6.41E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.27E-001	7.69E-001	1.32E+000
CO-57	4.45E-001	1.53E-001	7.56E-001	FOUND		
CO-60	2.19E+002	8.77E+000	1.62E+000	FOUND		
ZN-65	NOT FOUND/DATA for 1115.55 keV			2.53E+000	1.83E+000	3.28E+000
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.33E+000	6.71E-001	1.14E+000
SB-125	NOT FOUND/DATA for 427.89 keV			1.11E+000	1.54E+000	2.71E+000
CS-134	NOT FOUND/DATA for 604.70 keV			-3.18E-001	5.81E-001	9.83E-001
CS-137	2.85E+001	1.83E+000	1.95E+000	FOUND		
TL-208	2.00E+000	2.09E+000	1.77E+000	FOUND		
PB-212	4.79E+000	8.58E-001	2.00E+000	FOUND		
BI-214	4.16E+000	5.31E+000	2.69E+000	FOUND		
PB-214	4.25E+000	1.78E+000	3.12E+000	FOUND		
RA-226	1.13E+002	1.18E+002	2.79E+001	FOUND		
AC-228	4.92E+000	2.19E+000	7.28E+000	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			-1.37E+002	2.27E+002	3.83E+002
PA-231	NOT FOUND/DATA for 300.02 keV			9.67E+000	1.77E+001	2.88E+001
PA-234	NOT FOUND/DATA for 131.20 keV			1.07E+000	2.10E+000	3.28E+000
PA-234M	9.86E+002	6.00E+002	3.58E+002	FOUND		
TH-234	NOT FOUND/DATA for 92.60 keV			5.63E+002	5.98E+001	2.43E+001
U-234	NOT FOUND/DATA for 53.20 keV			-5.05E+002	2.04E+003	3.49E+003
U-235	5.82E+001	6.34E+000	1.70E+000	FOUND		
U-238	5.40E+002	4.88E+001	2.43E+001	FOUND		
AM-241	NOT FOUND/DATA for 59.54 keV			-1.09E+000	3.95E+000	6.78E+000

Uncertainty reported at 2.0 sigma

****
*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0501-118
Sample Title: B2 I/W Trench Bottom - #4
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.817E+002 g
Sample Taken On: 1/13/2005 12:00:00 PM
Acquisition Started: 1/18/2005 7:01:05 AM
Live Time: 900.0 seconds
Real Time: 901.6 seconds
Dead Time: 0.18 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.16E+001	3.52E+000	2.46E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.18E-003	8.92E-002	1.80E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.59E-003	8.00E-002	1.39E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		9.17E-002	1.17E-001	2.60E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-4.96E-002	2.31E-001	4.20E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.71E-002	8.13E-002	1.43E-001
SB-125	NOT FOUND/DATA for	427.89 keV		9.81E-002	2.57E-001	5.11E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.69E-002	9.60E-002	1.71E-001
CS-137	NOT FOUND/DATA for	661.66 keV		9.16E-002	1.16E-001	2.46E-001
TL-208	3.58E-001	1.35E-001	1.97E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		1.04E+000	2.55E-001	5.44E-001
BI-214	NOT FOUND/DATA for	609.31 keV		7.92E-001	3.23E-001	7.14E-001
PB-214	6.44E-001	3.29E-001	4.88E-001	FOUND		
RA-226	2.69E+000	1.54E+000	3.80E+000	FOUND		
AC-228	1.02E+000	6.15E-001	6.91E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-3.27E+001	3.86E+001	6.51E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.93E+000	3.31E+000	6.00E+000
PA-234	NOT FOUND/DATA for	98.44 keV		8.38E-003	3.45E-001	5.97E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-5.24E+000	1.49E+001	2.72E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.35E-001	1.66E+000	2.92E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.07E+002	3.52E+002	6.66E+002
U-235	1.64E-001	9.35E-002	2.31E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		6.35E-001	1.66E+000	2.92E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.06E-001	6.00E-001	1.02E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0501-137
Sample Title: B5/B17 Sanitary Manhole - #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.453E+002 g
Sample Taken On: 1/19/2005 12:00:00 PM
Acquisition Started: 1/19/2005 7:44:31 AM
Live Time: 2400.0 seconds
Real Time: 2403.9 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.42E+001	5.78E+000	1.44E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.26E-002	5.08E-002	1.01E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.84E-003	5.72E-002	9.50E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		7.72E-002	5.93E-002	1.37E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.75E-001	1.66E-001	2.23E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		4.19E-002	6.17E-002	1.20E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.96E-002	1.74E-001	2.93E-001
CS-134	NOT FOUND/DATA for	604.70 keV		8.41E-003	6.17E-002	1.13E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-8.48E-003	7.28E-002	1.31E-001
TL-208	3.92E-001	8.53E-002	1.60E-001	FOUND		
PB-212	8.98E-001	1.47E-001	2.78E-001	FOUND		
BI-214	9.57E-001	1.87E-001	3.29E-001	FOUND		
PB-214	9.17E-001	4.33E-001	2.93E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.40E+000	1.47E+000	2.84E+000
AC-228	1.03E+000	2.83E-001	5.29E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.34E+001	2.60E+001	4.76E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.88E+000	2.17E+000	3.70E+000
PA-234	NOT FOUND/DATA for	98.44 keV		4.94E-002	2.29E-001	3.85E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-5.49E-001	1.07E+001	2.00E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.71E-001	1.17E+000	1.98E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.48E+001	2.09E+002	3.69E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.41E-001	8.95E-002	1.69E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.71E-001	1.17E+000	1.98E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-8.62E-002	3.99E-001	6.98E-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 *****
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Site Location: CE Windsor
Sample ID: MAC-0501-151
Sample Title: B5/B17 I/W Trench Bottom - #7
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.826E+002 g
Sample Taken On: 1/19/2005 12:00:00 PM
Acquisition Started: 1/24/2005 10:11:24 AM
Live Time: 900.0 seconds
Real Time: 901.4 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.31E+001	9.67E+000	2.25E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.18E-002	7.03E-002	1.54E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-6.20E-002	7.84E-002	1.20E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		5.64E-003	8.49E-002	1.76E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.55E-001	2.06E-001	2.96E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-2.00E-002	8.60E-002	1.75E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.64E-002	2.11E-001	3.86E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-8.91E-002	1.01E-001	1.31E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.56E-001	1.08E-001	2.40E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.65E-001	1.33E-001	3.04E-001
PB-212	NOT FOUND/DATA for	238.63 keV		7.34E-001	2.36E-001	4.79E-001
BI-214	6.01E-001	2.29E-001	3.64E-001	FOUND		
PB-214	1.03E+000	2.79E-001	3.70E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		6.89E-001	1.84E+000	3.41E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.21E+000	5.11E-001	1.19E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-5.23E+000	3.11E+001	5.62E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.19E+000	2.76E+000	5.11E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.77E-001	2.88E-001	5.22E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.98E+001	1.63E+001	3.77E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.44E+000	1.57E+000	2.99E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.00E+002	2.81E+002	5.46E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.49E-002	1.08E-001	2.01E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.44E+000	1.56E+000	2.99E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.25E-001	5.70E-001	1.07E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0501-158
Sample Title: B5-B17 I/W Trench Bottom - #14
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.870E+002 g
Sample Taken On: 1/19/2005 12:00:00 PM
Acquisition Started: 1/24/2005 1:58:00 PM
Live Time: 900.0 seconds
Real Time: 901.5 seconds
Dead Time: 0.17 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.98E+001	9.65E+000	2.36E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-2.26E-002	7.43E-002	1.38E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.64E-003	7.57E-002	1.28E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.66E-002	9.02E-002	2.01E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			4.28E-002	1.69E-001	3.56E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-9.28E-003	9.22E-002	1.57E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.84E-001	2.47E-001	4.92E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.98E-002	8.00E-002	1.40E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.24E-002	9.50E-002	1.84E-001
TL-208	2.67E-001	1.07E-001	2.15E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			6.78E-001	2.14E-001	4.44E-001
BI-214	5.50E-001	2.23E-001	3.75E-001	FOUND		
PB-214	5.57E-001	7.49E-001	3.13E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.01E+000	1.78E+000	3.39E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.20E-001	4.87E-001	1.07E+000
TH-230	NOT FOUND/DATA for 67.67 keV			9.35E+000	3.27E+001	6.00E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.40E+000	2.74E+000	5.01E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-5.56E-002	3.32E-001	5.52E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.08E+001	1.38E+001	2.93E+001
TH-234	NOT FOUND/DATA for 92.60 keV			4.98E-001	1.45E+000	2.54E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.83E+001	2.56E+002	4.89E+002
U-235	NOT FOUND/DATA for 185.71 keV			3.60E-002	1.10E-001	2.04E-001
U-238	NOT FOUND/DATA for 92.60 keV			4.98E-001	1.45E+000	2.54E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-8.69E-002	5.20E-001	9.49E-001

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0501-161
Sample Title: B5-B17 I/W Trench Bottom - #17
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.771E+002 g
Sample Taken On: 1/19/2005 12:00:00 PM
Acquisition Started: 1/24/2005 3:03:47 PM
Live Time: 900.0 seconds
Real Time: 901.5 seconds
Dead Time: 0.17 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.38E+001	7.44E+000	1.10E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.79E-003	7.08E-002	1.41E-001
CO-57	NOT FOUND/DATA for 122.06 keV			6.20E-003	6.65E-002	1.15E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			4.94E-002	8.76E-002	1.78E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.56E-002	2.13E-001	3.45E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-2.41E-002	7.87E-002	1.41E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.29E-001	2.02E-001	3.39E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.43E-002	6.44E-002	1.06E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.33E-002	9.84E-002	1.84E-001
TL-208	NOT FOUND/DATA for 583.19 keV			2.73E-001	1.19E-001	2.62E-001
PB-212	8.40E-001	1.76E-001	3.61E-001	FOUND		
BI-214	4.65E-001	1.83E-001	2.93E-001	FOUND		
PB-214	6.17E-001	1.98E-001	3.30E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.92E+000	1.68E+000	3.28E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.07E+000	4.98E-001	1.11E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-6.05E+000	3.01E+001	5.43E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.23E+000	2.96E+000	5.14E+000
PA-234	NOT FOUND/DATA for 131.20 keV			7.32E-002	2.66E-001	4.65E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			5.58E+000	1.25E+001	2.71E+001
TH-234	NOT FOUND/DATA for 92.60 keV			7.58E-001	1.44E+000	2.54E+000
U-234	NOT FOUND/DATA for 53.20 keV			-3.85E+001	2.31E+002	4.25E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.48E-002	1.03E-001	1.96E-001
U-238	NOT FOUND/DATA for 92.60 keV			7.58E-001	1.44E+000	2.54E+000
AM-241	NOT FOUND/DATA for 59.54 keV			3.21E-001	4.85E-001	9.53E-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 *****
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Site Location: CE Windsor
Sample ID: MAC-0501-171
Sample Title: B5-B17 I/W Spoils Sanitary Lines - #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.137E+002 g
Sample Taken On: 1/20/2005 12:00:00 PM
Acquisition Started: 1/25/2005 7:57:51 AM
Live Time: 900.0 seconds
Real Time: 901.4 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.53E+001	9.40E+000	2.02E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.72E-002	8.54E-002	1.72E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.44E-002	7.63E-002	1.25E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-1.96E-002	1.15E-001	1.77E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.85E-002	2.11E-001	3.91E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.73E-002	8.62E-002	1.51E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.98E-001	2.35E-001	4.81E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.55E-002	8.05E-002	1.35E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.23E-002	1.01E-001	2.05E-001
TL-208	3.81E-001	2.17E-001	1.86E-001	FOUND		
PB-212	1.37E+000	3.71E-001	3.98E-001	FOUND		
BI-214	1.14E+000	7.91E-001	3.48E-001	FOUND		
PB-214	8.88E-001	3.11E-001	3.79E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.66E+000	1.84E+000	3.66E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.93E-001	5.08E-001	1.14E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-8.60E-001	3.28E+001	6.03E+001
PA-231	NOT FOUND/DATA for	300.02 keV		4.20E+000	3.43E+000	5.91E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.77E-001	3.61E-001	5.56E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-6.63E+000	1.70E+001	3.07E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.22E+000	1.55E+000	2.80E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.04E+002	2.88E+002	4.86E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.25E-001	1.13E-001	2.20E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.22E+000	1.55E+000	2.80E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-9.21E-002	5.19E-001	9.40E-001

Uncertainty reported at 2.0 sigma

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*** CERTIFICATE OF ANALYSIS *****

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Site Location: CE Windsor
Sample ID: MAC-0501-173
Sample Title: B5-B17 I/W Trench Bottom - #7
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.977E+002 g
Sample Taken On: 1/20/2005 12:00:00 PM
Acquisition Started: 1/25/2005 8:39:49 AM
Live Time: 900.0 seconds
Real Time: 901.6 seconds
Dead Time: 0.18 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.60E+001	1.09E+001	2.54E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-6.02E-002	8.48E-002	1.43E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.21E-002	7.71E-002	1.33E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.09E-001	9.64E-002	2.35E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.02E-002	2.36E-001	4.00E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.74E-003	8.76E-002	1.54E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.80E-002	1.91E-001	3.78E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.93E-002	8.21E-002	1.43E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.14E-002	9.93E-002	1.91E-001
TL-208	2.88E-001	1.08E-001	2.01E-001	FOUND		
PB-212	9.16E-001	1.88E-001	3.80E-001	FOUND		
BI-214	7.33E-001	7.35E-001	3.39E-001	FOUND		
PB-214	9.81E-001	2.38E-001	3.66E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.47E+000	1.89E+000	3.61E+000
AC-228	1.15E+000	4.92E-001	6.99E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.40E+001	3.46E+001	5.78E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-2.02E+000	3.19E+000	4.93E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.33E-001	2.99E-001	5.33E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.70E+000	1.30E+001	2.75E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.15E+000	1.52E+000	2.74E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.38E+002	2.83E+002	4.89E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.32E-002	1.14E-001	2.18E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.15E+000	1.52E+000	2.74E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.78E-001	5.61E-001	9.87E-001

Uncertainty reported at 2.0 sigma

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**** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0502-020
Sample Title: B-5 H/W line vol. samples(W. trench)#7
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.623E+002 g
Sample Taken On: 2/8/2005 12:00:00 PM
Acquisition Started: 2/9/2005 2:42:09 PM
Live Time: 900.0 seconds
Real Time: 901.6 seconds
Dead Time: 0.18 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.29E+001	8.78E+000	1.94E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.80E-002	8.38E-002	1.30E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.23E-002	7.17E-002	1.18E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		3.38E-002	8.42E-002	1.74E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.68E-001	2.25E-001	3.17E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-7.30E-002	9.43E-002	1.42E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.21E-002	2.00E-001	3.81E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.47E-003	6.77E-002	1.22E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.76E-003	9.12E-002	1.75E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.28E-001	1.26E-001	2.81E-001
PB-212	1.22E+000	4.89E-001	3.35E-001	FOUND		
BI-214	9.01E-001	2.23E-001	3.18E-001	FOUND		
PB-214	7.45E-001	2.09E-001	3.10E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.88E+000	1.77E+000	3.65E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.98E-001	4.27E-001	9.92E-001
TH-230	NOT FOUND/DATA for	67.67 keV		1.27E+001	3.14E+001	5.82E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.48E+000	2.76E+000	4.97E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-8.93E-002	2.80E-001	4.60E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.73E+000	1.45E+001	2.64E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.22E+000	1.41E+000	2.56E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.83E+001	2.82E+002	5.27E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.97E-001	1.09E-001	2.21E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.22E+000	1.41E+000	2.56E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.79E-001	5.70E-001	8.03E-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 *****
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Site Location: CE Windsor
Sample ID: MAC-0502-029
Sample Title: B5 West- H/W Line Sludge #15
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.802E+002 g
Sample Taken On: 2/10/2005 12:00:00 PM
Acquisition Started: 2/14/2005 2:46:47 PM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.22E+001	7.25E+000	3.72E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.96E-003	9.96E-002	2.13E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.18E-002	1.05E-001	1.80E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		1.64E-001	1.76E-001	4.02E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.37E-001	3.08E-001	6.62E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		8.37E-003	1.33E-001	2.37E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.20E-002	2.87E-001	5.57E-001
CS-134	NOT FOUND/DATA for	604.70 keV		9.13E-003	1.00E-001	1.80E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-3.73E-002	1.51E-001	2.74E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.34E-001	1.73E-001	3.78E-001
PB-212	NOT FOUND/DATA for	238.63 keV		4.60E-001	2.43E-001	5.18E-001
BI-214	6.78E-001	3.11E-001	4.67E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		6.10E-001	3.49E-001	7.55E-001
RA-226	NOT FOUND/DATA for	186.10 keV		3.30E+000	2.99E+000	5.87E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.78E-001	6.66E-001	1.55E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.72E+001	4.55E+001	8.97E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.05E+000	4.03E+000	7.46E+000
PA-234	NOT FOUND/DATA for	946.00 keV		-8.10E-001	1.53E+000	1.08E+000
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.34E+000	2.10E+001	4.09E+001
TH-234	2.87E+000	1.63E+000	4.25E+000	FOUND		
U-234	NOT FOUND/DATA for	53.20 keV		-1.28E+002	3.94E+002	7.07E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.68E-001	1.84E-001	3.74E-001
U-238	2.87E+000	1.63E+000	4.25E+000	FOUND		
AM-241	NOT FOUND/DATA for	59.54 keV		-5.15E-001	7.20E-001	1.15E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0502-036
Sample Title: Under N Main St. West of bldg 2 #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.528E+002 g
Sample Taken On: 1/31/2005 12:00:00 PM
Acquisition Started: 2/16/2005 8:04:35 AM
Live Time: 900.0 seconds
Real Time: 901.1 seconds
Dead Time: 0.12 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.43E+001	2.90E+000	1.88E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.04E-003	9.35E-002	1.85E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.41E-002	7.57E-002	1.35E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.04E-001	8.61E-002	2.37E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.34E-002	2.44E-001	3.09E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.30E-002	9.92E-002	1.72E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.34E-001	2.49E-001	4.24E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.56E-002	8.07E-002	1.64E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.86E-001	1.22E-001	2.81E-001
TL-208	NOT FOUND/DATA for	583.19 keV		6.51E-002	9.64E-002	2.01E-001
PB-212	NOT FOUND/DATA for	238.63 keV		1.52E-001	1.79E-001	3.46E-001
BI-214	NOT FOUND/DATA for	609.31 keV		5.83E-001	2.66E-001	6.13E-001
PB-214	5.13E-001	2.15E-001	4.12E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		-5.55E-002	2.02E+000	3.68E+000
AC-228	NOT FOUND/DATA for	338.32 keV		-4.57E-002	6.48E-001	1.16E+000
TH-230	NOT FOUND/DATA for	67.67 keV		6.57E+000	2.98E+001	5.63E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.34E-001	3.45E+000	6.14E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-8.36E-002	3.63E-001	5.88E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-7.10E+000	1.83E+001	3.08E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.17E+000	1.50E+000	2.81E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.60E+002	3.36E+002	6.28E+002
U-235	NOT FOUND/DATA for	185.71 keV		-4.66E-002	1.23E-001	2.17E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.17E+000	1.50E+000	2.81E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.55E-001	5.22E-001	9.25E-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 *****
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Site Location: CE Windsor
Sample ID: MAC-0502-046
Sample Title: E. H/W trench #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.901E+002 g
Sample Taken On: 2/24/2005 12:00:00 PM
Acquisition Started: 2/24/2005 9:03:38 AM
Live Time: 900.0 seconds
Real Time: 901.4 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.14E+001	9.13E+000	2.37E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.32E-002	7.37E-002	1.48E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.82E-002	7.05E-002	1.27E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		2.65E-002	9.20E-002	1.90E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-4.80E-004	1.34E-001	2.52E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-7.80E-002	9.39E-002	1.49E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.12E-001	1.82E-001	3.75E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.60E-002	7.55E-002	1.29E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.22E-002	1.07E-001	2.17E-001
TL-208	3.60E-001	1.04E-001	1.55E-001	FOUND		
PB-212	8.99E-001	3.95E-001	2.89E-001	FOUND		
BI-214	5.79E-001	6.39E-001	3.25E-001	FOUND		
PB-214	5.52E-001	1.62E-001	3.64E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.35E+000	1.85E+000	3.58E+000
AC-228	NOT FOUND/DATA for	911.21 keV		4.94E-001	3.86E-001	8.37E-001
TH-230	NOT FOUND/DATA for	67.67 keV		1.87E+001	2.44E+001	4.92E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.79E+000	2.79E+000	4.95E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.68E-001	3.52E-001	4.91E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.45E+000	1.33E+001	2.30E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.40E+000	1.39E+000	2.54E+000
U-234	NOT FOUND/DATA for	53.20 keV		-6.57E+001	2.42E+002	4.39E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.17E-001	1.12E-001	2.13E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.40E+000	1.38E+000	2.54E+000
AM-241	NOT FOUND/DATA for	59.54 keV		9.05E-002	5.11E-001	9.05E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0502-068
Sample Title: B-5 E. H/W trench #4
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.902E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 2/28/2005 3:51:12 PM
Live Time: 900.0 seconds
Real Time: 901.6 seconds
Dead Time: 0.18 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.92E+001	3.05E+000	2.14E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.66E-002	9.59E-002	1.97E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.99E-002	7.74E-002	1.25E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-9.52E-003	1.17E-001	2.01E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.54E-001	3.18E-001	3.83E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		5.64E-003	8.40E-002	1.59E-001
SB-125	NOT FOUND/DATA for	427.89 keV		8.50E-002	2.21E-001	4.38E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.31E-002	8.36E-002	1.29E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-1.39E-001	1.11E-001	1.60E-001
TL-208	3.66E-001	3.04E-001	1.88E-001	FOUND		
PB-212	1.07E+000	2.15E-001	3.97E-001	FOUND		
BI-214	5.28E-001	2.12E-001	3.31E-001	FOUND		
PB-214	8.11E-001	1.92E-001	4.54E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.23E+000	1.99E+000	3.72E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.58E-002	3.23E-001	1.24E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-9.55E+000	3.40E+001	5.98E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.24E+000	3.19E+000	5.67E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.46E-001	3.63E-001	5.05E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.47E-002	1.46E+001	2.78E+001
TH-234	NOT FOUND/DATA for	92.60 keV		9.31E-001	1.52E+000	2.72E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.13E+002	2.75E+002	5.33E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.01E-001	1.22E-001	2.32E-001
U-238	NOT FOUND/DATA for	92.60 keV		9.31E-001	1.52E+000	2.72E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.76E-001	6.00E-001	1.05E+000

Uncertainty reported at 2.0 sigma

****
*** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0503-03
Sample Title: Sediment from Bld.17 RMA North of Bld.6
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.907E+002 g
Sample Taken On: 3/7/2005 12:00:00 PM
Acquisition Started: 3/8/2005 5:52:44 AM
Live Time: 900.0 seconds
Real Time: 901.3 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.54E+001	7.20E+000	1.87E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.80E-002	5.78E-002	1.22E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.22E-002	5.86E-002	9.82E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		4.48E-002	8.32E-002	1.55E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.28E-001	1.61E-001	3.54E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-3.15E-002	6.81E-002	1.21E-001
SB-125	NOT FOUND/DATA for	427.89 keV		7.18E-002	1.62E-001	3.26E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.54E-002	6.55E-002	1.15E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.24E-002	8.97E-002	1.71E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.11E-001	9.82E-002	2.17E-001
PB-212	5.54E-001	1.44E-001	2.89E-001	FOUND		
BI-214	5.68E-001	5.06E-001	2.90E-001	FOUND		
PB-214	3.72E-001	1.52E-001	3.02E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.32E+000	1.54E+000	2.88E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.44E-001	3.77E-001	8.38E-001
TH-230	NOT FOUND/DATA for	67.67 keV		1.25E+001	2.44E+001	4.68E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.18E+000	2.60E+000	4.16E+000
PA-234	NOT FOUND/DATA for	131.20 keV		5.79E-002	2.31E-001	3.99E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.42E+000	1.11E+001	2.36E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.40E-001	1.17E+000	2.04E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.69E+001	2.23E+002	4.24E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.42E-001	9.37E-002	1.86E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.40E-001	1.17E+000	2.04E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.38E-001	3.74E-001	6.27E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-13
Sample Title: Black stuff from spoils pile
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.041E+002 g
Sample Taken On: 3/10/2005 12:59:00 PM
Acquisition Started: 3/14/2005 12:35:17 PM
Live Time: 1800.0 seconds
Real Time: 1802.9 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.20E+001	7.44E+000	1.90E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.03E-002	8.04E-002	1.62E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.92E-002	7.45E-002	1.22E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-2.31E-002	1.00E-001	1.78E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.14E-001	1.84E-001	2.97E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		3.12E-004	7.65E-002	1.42E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.73E-002	2.04E-001	3.61E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-8.10E-002	9.21E-002	1.36E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.77E-002	9.32E-002	1.82E-001
TL-208	4.16E-001	1.09E-001	2.05E-001	FOUND		
PB-212	1.86E+000	3.74E-001	3.63E-001	FOUND		
BI-214	1.31E+000	7.45E-001	3.56E-001	FOUND		
PB-214	1.51E+000	6.38E-001	4.63E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.48E+000	1.88E+000	3.44E+000
AC-228	1.28E+000	3.65E-001	5.41E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		6.60E+000	3.28E+001	5.93E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.99E+000	3.27E+000	5.36E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.58E-001	2.90E-001	5.00E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-6.43E-001	1.41E+001	2.62E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.65E+000	1.43E+000	2.73E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.94E+002	2.69E+002	4.41E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.10E-001	1.15E-001	2.13E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.65E+000	1.43E+000	2.73E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.89E-001	5.33E-001	9.84E-001

Uncertainty reported at 2.0 sigma

****
*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-34
Sample Title: Sludge from MW#5 Dried
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 4.939E+002 g
Sample Taken On: 3/15/2005 11:15:00 AM
Acquisition Started: 3/15/2005 4:26:03 PM
Live Time: 572.7 seconds
Real Time: 573.9 seconds
Dead Time: 0.21 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.61E+001	1.50E+001	4.11E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.82E-002	2.94E-001	5.24E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.06E-001	3.50E-001	5.94E-001
CO-60	1.54E+001	2.10E+000	4.43E-001	FOUND		
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.60E-001	6.42E-001	1.14E+000
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.42E-001	4.09E-001	5.03E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.62E-002	6.32E-001	1.15E+000
CS-134	NOT FOUND/DATA for	604.70 keV		1.10E-001	2.41E-001	4.68E-001
CS-137	1.99E+000	4.27E-001	7.72E-001	FOUND		
TL-208	4.33E-001	2.33E-001	5.23E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		5.80E-001	4.52E-001	8.70E-001
BI-214	NOT FOUND/DATA for	609.31 keV		5.92E-001	5.75E-001	1.15E+000
PB-214	NOT FOUND/DATA for	351.92 keV		1.70E-001	5.37E-001	9.85E-001
RA-226	NOT FOUND/DATA for	186.10 keV		8.69E+002	5.42E+001	2.04E+001
AC-228	NOT FOUND/DATA for	911.21 keV		3.82E-001	1.33E+000	2.50E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.04E+000	1.73E+002	3.03E+002
PA-231	NOT FOUND/DATA for	300.02 keV		3.78E+000	7.61E+000	1.35E+001
PA-234	NOT FOUND/DATA for	131.20 keV		2.04E-001	1.43E+000	2.36E+000
PA-234M	4.38E+002	8.50E+001	1.30E+002	FOUND		
TH-234	3.34E+002	2.45E+001	1.96E+001	FOUND		
U-234	NOT FOUND/DATA for	53.20 keV		9.49E+002	1.56E+003	2.79E+003
U-235	5.40E+001	2.87E+000	1.24E+000	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		3.35E+002	2.43E+001	1.96E+001
AM-241	NOT FOUND/DATA for	59.54 keV		2.59E+000	3.04E+000	5.51E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-38
Sample Title: HW trench N wing SE corner
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.970E+002 g
Sample Taken On: 3/15/2005 11:15:00 AM
Acquisition Started: 3/16/2005 10:29:45 AM
Live Time: 1200.0 seconds
Real Time: 1202.1 seconds
Dead Time: 0.17 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.29E+001	7.09E+000	1.69E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.72E-002	6.59E-002	1.51E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.61E-002	6.63E-002	1.15E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-2.65E-002	8.54E-002	1.48E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.71E-002	1.67E-001	2.85E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.17E-003	7.93E-002	1.47E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.44E-002	1.86E-001	3.32E-001
CS-134	NOT FOUND/DATA for	604.70 keV		2.74E-003	7.56E-002	1.33E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.90E-002	8.32E-002	1.64E-001
TL-208	2.56E-001	3.14E-001	1.58E-001	FOUND		
PB-212	9.62E-001	1.80E-001	3.65E-001	FOUND		
BI-214	7.50E-001	2.09E-001	3.29E-001	FOUND		
PB-214	8.72E-001	1.95E-001	2.69E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		8.70E-001	1.58E+000	2.93E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.02E+000	4.31E-001	9.68E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-1.60E+001	2.71E+001	4.63E+001
PA-231	NOT FOUND/DATA for	300.02 keV		7.56E-003	2.47E+000	4.25E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-5.25E-002	2.78E-001	4.60E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-6.16E+000	1.43E+001	2.53E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.17E-001	1.27E+000	2.17E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.45E+001	2.59E+002	4.74E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.22E-002	9.70E-002	1.81E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.17E-001	1.27E+000	2.17E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.09E-001	4.62E-001	7.97E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location:	CE Windsor
Sample ID:	MAC-0503-049
Sample Title:	B-17 East Parking Lot Asphalt
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.019E+002 g
Sample Taken On:	3/18/2005 11:15:00 AM
Acquisition Started:	3/22/2005 9:01:16 AM
Live Time:	1567.9 seconds
Real Time:	1570.3 seconds
Dead Time:	0.15 %
Efficiency ID:	srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.51E+001	5.12E+000	1.45E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.36E-002	5.61E-002	1.09E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.05E-003	5.55E-002	9.34E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		3.57E-002	6.11E-002	1.34E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		4.85E-002	1.25E-001	2.45E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.58E-002	6.19E-002	1.13E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.37E-003	1.51E-001	2.76E-001
CS-134	NOT FOUND/DATA for	604.70 keV		2.31E-003	5.38E-002	1.01E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.69E-002	6.26E-002	1.27E-001
TL-208	1.50E-001	6.36E-002	1.17E-001	FOUND		
PB-212	6.82E-001	3.02E-001	2.33E-001	FOUND		
BI-214	6.72E-001	1.64E-001	2.63E-001	FOUND		
PB-214	5.30E-001	4.16E-001	2.89E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.84E+000	1.28E+000	2.46E+000
AC-228	NOT FOUND/DATA for	911.21 keV		5.57E-001	3.04E-001	6.72E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-3.32E+000	2.13E+001	3.76E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-6.24E-001	2.14E+000	3.51E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.44E-004	2.32E-001	3.87E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.70E+000	9.04E+000	1.86E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.24E+000	1.04E+000	1.89E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.29E+002	1.86E+002	3.13E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.58E-002	7.78E-002	1.49E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.24E+000	1.04E+000	1.89E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.02E-001	3.30E-001	6.57E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-050
Sample Title: B-17 East Parking Lot Asphalt Bullpen
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.224E+002 g
Sample Taken On: 3/18/2005 11:15:00 AM
Acquisition Started: 3/22/2005 10:11:16 AM
Live Time: 2200.0 seconds
Real Time: 2203.2 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.84E+001	2.02E+000	1.31E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.04E-002	4.75E-002	8.90E-002
CO-57	NOT FOUND/DATA for	122.06 keV		1.42E-002	4.66E-002	7.85E-002
CO-60	NOT FOUND/DATA for	1173.24 keV		1.53E-002	5.06E-002	9.89E-002
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.03E-001	1.24E-001	1.90E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.99E-002	4.84E-002	7.17E-002
SB-125	NOT FOUND/DATA for	427.89 keV		4.24E-002	1.25E-001	2.35E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.30E-002	4.70E-002	8.01E-002
CS-137	NOT FOUND/DATA for	661.66 keV		5.13E-002	5.33E-002	1.08E-001
TL-208	1.89E-001	1.81E-001	1.08E-001	FOUND		
PB-212	4.17E-001	1.08E-001	2.23E-001	FOUND		
BI-214	5.22E-001	1.28E-001	2.19E-001	FOUND		
PB-214	5.77E-001	1.21E-001	2.45E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		9.98E-001	1.12E+000	2.06E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.58E-001	2.76E-001	6.17E-001
TH-230	NOT FOUND/DATA for	67.67 keV		2.89E+000	1.89E+001	3.37E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.59E+000	1.73E+000	2.95E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.89E-002	1.75E-001	2.90E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.21E+000	8.66E+000	1.54E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.60E-001	8.28E-001	1.44E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.22E+001	1.46E+002	2.59E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.17E-001	6.70E-002	1.28E-001
U-238	NOT FOUND/DATA for	92.60 keV		6.60E-001	8.27E-001	1.44E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.42E-001	2.91E-001	5.44E-001

Uncertainty reported at 2.0 sigma

****
*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-062
Sample Title: MAC-0503-062
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.691E+002 g
Sample Taken On: 3/17/2005 11:15:00 AM
Acquisition Started: 3/21/2005 9:58:50 AM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.60E+001	2.57E+001	2.50E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	-5.90E-002	1.11E-001	1.99E-001
CO-57	NOT FOUND/DATA for		122.06 keV	-2.31E-002	1.01E-001	1.66E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	4.33E-002	1.26E-001	2.75E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-8.12E-002	2.91E-001	5.46E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	3.73E-002	8.33E-002	1.85E-001
SB-125	NOT FOUND/DATA for		427.89 keV	-4.62E-003	2.70E-001	5.22E-001
CS-134	NOT FOUND/DATA for		604.70 keV	-4.66E-002	1.19E-001	2.01E-001
CS-137	1.83E-001	1.17E-001	2.02E-001	FOUND		
TL-208	4.42E-001	6.06E-001	2.23E-001	FOUND		
PB-212	NOT FOUND/DATA for		238.63 keV	9.53E-001	3.08E-001	6.46E-001
BI-214	8.83E-001	3.25E-001	4.66E-001	FOUND		
PB-214	NOT FOUND/DATA for		351.92 keV	9.82E-001	3.50E-001	7.84E-001
RA-226	NOT FOUND/DATA for		186.10 keV	1.32E+000	2.22E+000	4.33E+000
AC-228	NOT FOUND/DATA for		911.21 keV	9.53E-001	6.88E-001	1.53E+000
TH-230	NOT FOUND/DATA for		67.67 keV	7.29E+000	4.43E+001	8.38E+001
PA-231	NOT FOUND/DATA for		300.02 keV	-6.48E-001	3.62E+000	6.22E+000
PA-234	NOT FOUND/DATA for		131.20 keV	2.43E-001	4.10E-001	7.13E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	-7.58E+000	1.96E+001	3.55E+001
TH-234	NOT FOUND/DATA for		92.60 keV	2.93E-001	2.01E+000	3.48E+000
U-234	NOT FOUND/DATA for		53.20 keV	-9.10E+001	3.81E+002	7.01E+002
U-235	NOT FOUND/DATA for		185.71 keV	7.04E-002	1.38E-001	2.66E-001
U-238	NOT FOUND/DATA for		92.60 keV	2.93E-001	2.01E+000	3.48E+000
AM-241	NOT FOUND/DATA for		59.54 keV	-1.40E-001	7.20E-001	1.33E+000

Uncertainty reported at 2.0 sigma

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*** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0503-069
Sample Title: MAC-0503-069
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.357E+002 g
Sample Taken On: 3/16/2005 11:15:00 AM
Acquisition Started: 3/21/2005 11:27:33 AM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.22E+001	3.76E+000	2.21E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-7.00E-002	1.02E-001	1.68E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.20E-002	8.58E-002	1.44E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-1.10E-001	1.28E-001	1.51E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.38E-001	4.09E-001	4.12E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		5.15E-002	9.94E-002	2.12E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.18E-001	2.66E-001	4.75E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.95E-002	1.22E-001	1.68E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-9.98E-002	1.25E-001	1.86E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.90E-001	1.50E-001	3.41E-001
PB-212	NOT FOUND/DATA for	238.63 keV		8.78E-001	2.60E-001	5.60E-001
BI-214	NOT FOUND/DATA for	609.31 keV		6.40E-001	3.22E-001	7.08E-001
PB-214	8.59E-001	2.77E-001	5.55E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.22E+000	2.23E+000	4.28E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.46E-001	5.65E-001	1.25E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-5.41E+001	4.08E+001	5.95E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-3.53E-002	3.35E+000	6.00E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-6.72E-002	3.57E-001	6.09E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.00E+000	2.04E+001	3.47E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.15E-001	1.88E+000	3.30E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.76E+002	3.42E+002	6.96E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.12E-001	1.36E-001	2.68E-001
U-238	NOT FOUND/DATA for	92.60 keV		6.15E-001	1.88E+000	3.30E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.93E-001	6.50E-001	1.29E+000

Uncertainty reported at 2.0 sigma

****
*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-080
Sample Title: B-5 NORTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.223E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 9:04:52 AM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.43E+001	4.02E+000	3.02E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.17E-002	1.06E-001	2.15E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.04E-002	9.40E-002	1.59E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.81E-002	1.05E-001	2.17E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.02E-001	2.70E-001	4.45E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.02E-002	1.22E-001	2.13E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-4.27E-003	2.78E-001	5.31E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.75E-002	1.06E-001	1.78E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.13E-002	1.44E-001	2.77E-001
TL-208	NOT FOUND/DATA for	583.19 keV		1.94E-001	1.51E-001	3.24E-001
PB-212	NOT FOUND/DATA for	238.63 keV		9.05E-001	2.71E-001	5.81E-001
BI-214	6.46E-001	7.35E-001	3.92E-001	FOUND		
PB-214	8.84E-001	1.00E+000	4.07E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.36E+000	2.27E+000	4.32E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.38E-001	5.29E-001	1.27E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.16E+001	3.56E+001	6.06E+001
PA-231	NOT FOUND/DATA for	300.02 keV		8.23E-001	3.97E+000	7.15E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.60E-001	3.69E-001	6.58E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.39E+000	2.17E+001	4.18E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-4.33E-001	1.87E+000	3.14E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.14E+002	3.55E+002	6.37E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.35E-001	1.33E-001	2.80E-001
U-238	NOT FOUND/DATA for	92.60 keV		-4.33E-001	1.87E+000	3.14E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-7.28E-001	6.72E-001	1.09E+000

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-105
Sample Title: B-5 H/W LINE BOTTOM TRENCH #18
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.387E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 3:25:40 PM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.27E+001	1.12E+001	2.84E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-5.60E-002	1.03E-001	1.52E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.61E-002	8.87E-002	1.59E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-8.90E-003	1.07E-001	2.12E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-6.70E-002	2.60E-001	4.90E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			2.90E-002	8.75E-002	1.84E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-9.31E-003	2.62E-001	4.88E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-4.36E-002	9.37E-002	1.41E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.05E-002	1.24E-001	2.41E-001
TL-208	2.90E-001	1.22E-001	1.81E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			8.27E-001	2.47E-001	5.37E-001
BI-214	7.25E-001	9.25E-001	4.86E-001	FOUND		
PB-214	4.72E-001	1.92E+000	3.82E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.22E+000	2.11E+000	4.09E+000
AC-228	NOT FOUND/DATA for 911.21 keV			6.92E-001	5.51E-001	1.25E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.67E+001	3.68E+001	7.27E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.00E+000	3.63E+000	6.70E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.17E-001	3.49E-001	6.21E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.08E+001	1.86E+001	2.64E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.40E+000	1.70E+000	3.18E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.04E+002	3.38E+002	5.70E+002
U-235	NOT FOUND/DATA for 185.71 keV			7.93E-002	1.28E-001	2.49E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.40E+000	1.70E+000	3.18E+000
AM-241	NOT FOUND/DATA for 59.54 keV			3.47E-001	6.78E-001	1.34E+000

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location:	CE Windsor
Sample ID:	MAC-0503-122
Sample Title:	B-5 E H/W PIPE SLUDGE #6
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.178E+002 g
Sample Taken On:	3/23/2005 11:15:00 AM
Acquisition Started:	3/24/2005 9:42:00 AM
Live Time:	600.0 seconds
Real Time:	600.9 seconds
Dead Time:	0.16 %
Efficiency ID:	srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.28E+001	4.08E+000	3.86E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			6.21E-004	1.00E-001	1.84E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.12E-002	1.06E-001	1.83E-001
CO-60	4.52E-001	1.87E-001	1.85E-001	FOUND		
ZN-65	NOT FOUND/DATA for 1115.55 keV			-3.51E-001	2.59E-001	3.43E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.06E-001	1.33E-001	2.22E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.86E-001	2.65E-001	4.49E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-8.10E-002	1.23E-001	1.72E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.89E-001	1.83E-001	4.13E-001
TL-208	NOT FOUND/DATA for 583.19 keV			2.35E-001	1.66E-001	3.54E-001
PB-212	NOT FOUND/DATA for 238.63 keV			1.13E+000	2.90E-001	6.24E-001
BI-214	NOT FOUND/DATA for 609.31 keV			6.34E-001	3.26E-001	7.26E-001
PB-214	9.75E-001	2.82E-001	5.05E-001	FOUND		
RA-226	2.31E+001	3.77E+000	5.79E+000	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			1.04E+000	5.59E-001	1.33E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.13E+000	4.34E+001	8.02E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.45E+000	3.64E+000	6.80E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.78E-001	4.18E-001	7.45E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.36E+001	2.61E+001	5.67E+001
TH-234	9.88E+000	2.27E+000	4.88E+000	FOUND		
U-234	NOT FOUND/DATA for 53.20 keV			-2.61E+001	3.75E+002	7.02E+002
U-235	1.41E+000	2.32E-001	3.53E-001	FOUND		
U-238	9.88E+000	2.25E+000	4.88E+000	FOUND		
AM-241	NOT FOUND/DATA for 59.54 keV			-7.63E-002	7.15E-001	1.32E+000

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-146
Sample Title: ESI 1023 NORTH WEST TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.715E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/25/2005 1:38:38 PM
Live Time: 1500.0 seconds
Real Time: 1502.4 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.25E+001	5.65E+000	1.79E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		9.63E-003	6.17E-002	1.10E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.24E-002	5.24E-002	8.90E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.90E-002	5.79E-002	1.09E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.07E-002	1.71E-001	2.30E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.47E-002	5.33E-002	8.04E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-1.00E-001	1.47E-001	2.50E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-4.38E-002	5.37E-002	8.80E-002
CS-137	NOT FOUND/DATA for	661.66 keV		8.45E-002	6.59E-002	1.36E-001
TL-208	3.66E-001	7.82E-002	1.13E-001	FOUND		
PB-212	8.60E-001	1.26E-001	2.52E-001	FOUND		
BI-214	8.56E-001	1.69E-001	2.61E-001	FOUND		
PB-214	7.53E-001	2.01E-001	4.93E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.26E+000	1.28E+000	2.38E+000
AC-228	8.49E-001	2.60E-001	3.76E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		4.91E+000	2.31E+001	4.18E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.58E+000	1.94E+000	3.37E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-6.66E-002	2.21E-001	3.59E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.38E+000	9.94E+000	2.00E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.93E-001	1.04E+000	1.83E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.00E+002	2.05E+002	3.72E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.77E-002	7.82E-002	1.43E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.93E-001	1.04E+000	1.83E+000
AM-241	NOT FOUND/DATA for	59.54 keV		6.96E-002	3.52E-001	6.49E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-159
Sample Title: B-5 NORTH TRENCH ESI-056
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.950E+002 G
Sample Taken On: 3/28/2005 11:15:00 AM
Acquisition Started: 3/29/2005 12:49:54 PM
Live Time: 2400.0 seconds
Real Time: 2401.8 seconds
Dead Time: 0.07 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/G)	Activity Uncert. (pCi/G)	Nuclide MDA (pCi/G)	Line Activity (pCi/G)	Line Act Uncert. (pCi/G)	Line MDA (pCi/G)
K-40	3.00E+001	5.43E+000	1.27E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.99E-002	5.84E-002	1.12E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.64E-002	4.84E-002	8.55E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		3.71E-002	5.40E-002	1.13E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		7.38E-003	1.38E-001	2.42E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-8.22E-003	5.20E-002	9.36E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-6.44E-002	1.33E-001	2.30E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.02E-003	5.34E-002	9.47E-002
CS-137	NOT FOUND/DATA for	661.66 keV		6.84E-002	6.83E-002	1.32E-001
TL-208	4.67E-001	2.41E-001	1.49E-001	FOUND		
PB-212	1.10E+000	1.35E-001	2.54E-001	FOUND		
BI-214	1.42E+000	4.34E-001	2.66E-001	FOUND		
PB-214	9.80E-001	2.03E-001	3.06E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.59E+000	1.25E+000	2.38E+000
AC-228	9.96E-001	3.21E-001	4.33E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-6.75E-001	2.20E+001	3.90E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-5.73E-001	1.83E+000	2.99E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.67E-001	2.05E-001	3.49E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.28E+000	9.52E+000	1.89E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.60E-001	9.86E-001	1.70E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.00E+002	1.78E+002	3.06E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.18E-001	7.61E-002	1.42E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.60E-001	9.86E-001	1.70E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.88E-001	3.52E-001	6.49E-001

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-164
Sample Title: NORTH TRENCH B-5/ 6A ESI-026
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 1.035E+003 G
Sample Taken On: 3/28/2005 11:15:00 AM
Acquisition Started: 3/30/2005 12:26:35 PM
Live Time: 1800.0 seconds
Real Time: 1802.3 seconds
Dead Time: 0.13 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/G)	Activity Uncert. (pCi/G)	Nuclide MDA (pCi/G)	Line Activity (pCi/G)	Line Act Uncert. (pCi/G)	Line MDA (pCi/G)
K-40	2.05E+001	4.18E+000	1.22E+000	FOUND		
MN-54	3.76E-002	3.24E-002	7.22E-002	FOUND		
CO-57	NOT FOUND/DATA for		122.06 keV	1.31E-002	3.91E-002	6.65E-002
CO-60	NOT FOUND/DATA for		1332.50 keV	1.89E-002	4.40E-002	9.19E-002
ZN-65	NOT FOUND/DATA for		1115.55 keV	-7.44E-002	1.03E-001	1.70E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	7.68E-003	3.66E-002	7.00E-002
SB-125	NOT FOUND/DATA for		427.89 keV	8.08E-002	1.21E-001	2.29E-001
CS-134	NOT FOUND/DATA for		604.70 keV	-2.44E-002	4.30E-002	7.02E-002
CS-137	NOT FOUND/DATA for		661.66 keV	4.37E-002	4.69E-002	9.45E-002
TL-208	3.87E-001	1.90E-001	9.05E-002	FOUND		
PB-212	9.38E-001	1.14E-001	1.61E-001	FOUND		
BI-214	7.38E-001	1.33E-001	1.96E-001	FOUND		
PB-214	8.04E-001	3.25E-001	2.90E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	1.41E+000	1.02E+000	1.91E+000
AC-228	7.71E-001	1.98E-001	3.51E-001	FOUND		
TH-230	NOT FOUND/DATA for		67.67 keV	1.80E+000	1.77E+001	3.16E+001
PA-231	NOT FOUND/DATA for		300.02 keV	6.77E-001	1.49E+000	2.59E+000
PA-234	NOT FOUND/DATA for		98.44 keV	-1.06E-001	1.69E-001	2.67E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	7.30E+000	6.10E+000	1.37E+001
TH-234	NOT FOUND/DATA for		92.60 keV	5.66E-001	8.12E-001	1.39E+000
U-234	NOT FOUND/DATA for		53.20 keV	7.61E+001	1.52E+002	2.80E+002
U-235	NOT FOUND/DATA for		185.71 keV	6.26E-002	6.18E-002	1.14E-001
U-238	NOT FOUND/DATA for		92.60 keV	5.66E-001	8.12E-001	1.39E+000
AM-241	NOT FOUND/DATA for		59.54 keV	-7.89E-002	2.85E-001	4.99E-001

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-176
Sample Title: NORTH TRENCH B-5/ 6A ESI-048
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.605E+002 G
Sample Taken On: 3/30/2005 11:15:00 AM
Acquisition Started: 3/30/2005 1:02:56 PM
Live Time: 1800.0 seconds
Real Time: 1802.5 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/G)	Activity Uncert. (pCi/G)	Nuclide MDA (pCi/G)	Line Activity (pCi/G)	Line Act Uncert. (pCi/G)	Line MDA (pCi/G)
K-40	2.44E+001	2.50E+000	1.59E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.05E-002	6.16E-002	1.12E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.20E-003	5.26E-002	8.70E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		5.61E-002	6.14E-002	1.34E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.02E-001	1.43E-001	2.19E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.09E-002	5.17E-002	8.61E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-4.91E-002	1.44E-001	2.54E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.59E-002	5.37E-002	8.26E-002
CS-137	NOT FOUND/DATA for	661.66 keV		4.15E-002	6.31E-002	1.24E-001
TL-208	4.02E-001	2.76E-001	1.40E-001	FOUND		
PB-212	1.44E+000	2.65E-001	2.82E-001	FOUND		
BI-214	1.09E+000	3.39E-001	2.19E-001	FOUND		
PB-214	7.64E-001	2.05E-001	2.93E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.98E+000	1.29E+000	2.45E+000
AC-228	1.40E+000	2.92E-001	4.53E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.42E+001	2.30E+001	3.81E+001
PA-231	NOT FOUND/DATA for	300.02 keV		6.07E-001	2.13E+000	3.66E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.83E-001	2.53E-001	3.59E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		7.89E+000	9.45E+000	1.99E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.50E+000	1.01E+000	1.82E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.88E+001	1.96E+002	3.58E+002
U-235	NOT FOUND/DATA for	185.71 keV		3.85E-005	7.76E-002	1.37E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.50E+000	1.01E+000	1.82E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.79E-001	3.60E-001	6.19E-001

Uncertainty reported at 2.0 sigma

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**** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0504-002
Sample Title: B-5 SNOW PILE RMA
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.984E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 9:36:15 AM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/G)	Activity Uncert. (pCi/G)	Nuclide MDA (pCi/G)	Line Activity (pCi/G)	Line Act Uncert. (pCi/G)	Line MDA (pCi/G)
K-40	1.76E+001	3.28E+000	2.45E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.84E-002	7.63E-002	1.76E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.89E-002	8.64E-002	1.53E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.98E-001	1.21E-001	3.18E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.64E-002	2.13E-001	4.02E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	1.87E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.46E-002	2.69E-001	4.94E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.78E-003	7.74E-002	1.47E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.11E-002	1.06E-001	2.23E-001
TL-208	NOT FOUND/DATA for 583.19 keV			1.36E-001	1.39E-001	2.88E-001
PB-212	7.35E-001	2.09E-001	4.48E-001	FOUND		
BI-214	6.97E-001	7.55E-001	3.34E-001	FOUND		
PB-214	8.81E-001	9.41E-001	3.85E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.94E+000	2.23E+000	4.34E+000
AC-228	NOT FOUND/DATA for 911.21 keV			8.64E-001	5.20E-001	1.20E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.86E+001	3.42E+001	7.02E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-5.35E-001	3.58E+000	6.11E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-7.28E-002	3.36E-001	5.63E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			7.66E+000	1.75E+001	3.78E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.68E+000	1.53E+000	2.94E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.71E+001	2.97E+002	5.64E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.14E-001	1.32E-001	2.57E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.68E+000	1.53E+000	2.94E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-7.88E-002	5.84E-001	1.05E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-012
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.950E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 12:03:10 PM
Live Time: 537.9 seconds
Real Time: 538.6 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/G)	Activity Uncert. (pCi/G)	Nuclide MDA (pCi/G)	Line Activity (pCi/G)	Line Act Uncert. (pCi/G)	Line MDA (pCi/G)
K-40	1.67E+001	1.79E+001	3.64E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.46E-002	8.58E-002	1.57E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.77E-002	9.72E-002	1.60E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.83E-002	9.90E-002	2.20E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.02E-001	2.29E-001	5.07E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.92E-002	9.26E-002	1.72E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.49E-001	2.68E-001	4.52E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.85E-002	9.79E-002	1.65E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.96E-002	1.15E-001	2.32E-001
TL-208	2.36E-001	4.79E-001	2.05E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		9.32E-001	2.72E-001	5.86E-001
BI-214	6.31E-001	2.67E-001	4.04E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		9.05E-001	3.38E-001	7.46E-001
RA-226	NOT FOUND/DATA for	186.10 keV		3.19E+000	1.99E+000	4.24E+000
AC-228	9.29E-001	4.60E-001	5.88E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-2.86E+001	3.55E+001	6.00E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.31E+000	3.30E+000	6.19E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.53E-001	3.73E-001	6.12E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-5.72E+000	1.72E+001	3.05E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.88E-001	1.57E+000	2.76E+000
U-234	NOT FOUND/DATA for	53.20 keV		6.81E+001	3.54E+002	6.83E+002
U-235	NOT FOUND/DATA for	185.71 keV		-2.10E-002	1.29E-001	2.26E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.88E-001	1.57E+000	2.76E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.48E-001	6.81E-001	1.31E+000

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-019
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.812E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 1:22:25 PM
Live Time: 600.0 seconds
Real Time: 600.6 seconds
Dead Time: 0.10 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/G)	Activity Uncert. (pCi/G)	Nuclide MDA (pCi/G)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/G)	Line Act Uncert. (pCi/G)	Line MDA (pCi/G)
K-40	2.55E+001	1.08E+001	2.08E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.60E-002	1.16E-001	2.58E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.76E-002	1.03E-001	1.74E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-3.80E-002	1.02E-001	1.89E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.16E-001	2.63E-001	4.72E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		8.73E-002	9.40E-002	2.18E-001
SB-125	NOT FOUND/DATA for	427.89 keV		5.19E-002	3.08E-001	5.94E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-8.62E-002	9.63E-002	1.42E-001
CS-137	NOT FOUND/DATA for	661.66 keV		6.82E-002	1.17E-001	2.52E-001
TL-208	2.63E-001	9.22E-001	2.53E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		7.73E-001	2.98E-001	6.13E-001
BI-214	8.66E-001	1.41E+000	3.86E-001	FOUND		
PB-214	5.99E-001	2.21E-001	4.55E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.03E+000	2.32E+000	4.44E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.22E+000	6.20E-001	1.48E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.01E+001	3.97E+001	7.51E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.28E-001	3.70E+000	6.60E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-3.04E-002	4.26E-001	7.24E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		9.97E-001	1.80E+001	3.75E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.16E+000	1.89E+000	3.45E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.54E+002	4.01E+002	6.88E+002
U-235	NOT FOUND/DATA for	185.71 keV		-2.80E-002	1.39E-001	2.49E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.16E+000	1.89E+000	3.45E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.66E-001	6.40E-001	1.23E+000

Uncertainty reported at 2.0 sigma

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

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Site Location: CE Windsor
Sample ID: MAC-0504-022
Sample Title: NE TRENCH MARSIM SAMPLE #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.659E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/5/2005 9:18:36 AM
Live Time: 1800.0 seconds
Real Time: 1803.6 seconds
Dead Time: 0.20 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/G)	Activity Uncert. (pCi/G)	Nuclide MDA (pCi/G)	Line Activity (pCi/G)	Line Act Uncert. (pCi/G)	Line MDA (pCi/G)
K-40	1.99E+001	4.18E+000	9.12E-001	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.62E-002	4.27E-002	8.82E-002
CO-57	NOT FOUND/DATA for	122.06 keV		-1.02E-002	4.26E-002	7.01E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		2.66E-002	4.47E-002	9.59E-002
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.17E-001	1.08E-001	1.63E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.09E-003	4.51E-002	7.85E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-6.32E-002	1.07E-001	1.83E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.96E-002	3.77E-002	5.87E-002
CS-137	NOT FOUND/DATA for	661.66 keV		3.10E-002	5.35E-002	1.03E-001
TL-208	3.35E-001	1.90E-001	1.02E-001	FOUND		
PB-212	7.46E-001	1.03E-001	1.71E-001	FOUND		
BI-214	7.79E-001	3.37E-001	2.03E-001	FOUND		
PB-214	6.03E-001	1.58E-001	2.53E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.08E+000	1.03E+000	1.99E+000
AC-228	8.87E-001	2.80E-001	3.82E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-5.70E+000	1.81E+001	3.13E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.94E+000	1.70E+000	2.80E+000
PA-234	NOT FOUND/DATA for	98.44 keV		6.15E-002	1.75E-001	2.97E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.01E+000	7.58E+000	1.33E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.27E-001	7.94E-001	1.40E+000
U-234	NOT FOUND/DATA for	53.20 keV		7.91E+001	1.57E+002	2.87E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.85E-002	6.28E-002	1.19E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.27E-001	7.94E-001	1.40E+000
AM-241	NOT FOUND/DATA for	59.54 keV		6.40E-002	2.74E-001	5.01E-001

Uncertainty reported at 2.0 sigma

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**** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0504-78
Sample Title: B-5 RMA SOUTH CONCRETE PAD #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.624E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/6/2005 12:43:51 PM
Live Time: 600.0 seconds
Real Time: 600.8 seconds
Dead Time: 0.13 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/G)	Activity Uncert. (pCi/G)	Nuclide MDA (pCi/G)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/G)	Line Act Uncert. (pCi/G)	Line MDA (pCi/G)
K-40	1.61E+001	3.35E+000	3.27E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.02E-002	9.33E-002	2.13E-001
CO-57	NOT FOUND/DATA for	122.06 keV		7.61E-002	7.24E-002	1.42E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.16E-004	1.15E-001	2.41E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.10E-002	2.12E-001	3.92E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-9.72E-002	9.84E-002	1.51E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.06E-001	2.73E-001	5.44E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.05E-001	9.89E-002	1.27E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.72E-001	1.53E-001	3.47E-001
TL-208	4.15E-001	6.49E-001	1.65E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		7.22E-001	2.45E-001	5.20E-001
BI-214	NOT FOUND/DATA for	609.31 keV		7.10E-001	3.05E-001	6.99E-001
PB-214	NOT FOUND/DATA for	351.92 keV		5.76E-001	2.87E-001	6.20E-001
RA-226	NOT FOUND/DATA for	186.10 keV		2.39E-001	2.02E+000	3.66E+000
AC-228	NOT FOUND/DATA for	911.21 keV		2.44E-001	4.87E-001	9.90E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-4.20E+000	3.30E+001	6.13E+001
PA-231	NOT FOUND/DATA for	300.02 keV		4.73E+000	3.63E+000	6.59E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-4.61E-002	3.56E-001	6.09E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.54E+001	1.61E+001	3.96E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.98E+000	1.63E+000	3.16E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.87E+002	2.83E+002	4.63E+002
U-235	NOT FOUND/DATA for	185.71 keV		-1.29E-002	1.25E-001	2.26E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.98E+000	1.63E+000	3.16E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.90E-001	5.58E-001	9.55E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-095
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.727E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 12:35:04 PM
Live Time: 900.0 seconds
Real Time: 901.3 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/G)	Activity Uncert. (pCi/G)	Nuclide MDA (pCi/G)	Line Activity (pCi/G)	Line Act Uncert. (pCi/G)	Line MDA (pCi/G)
K-40	1.97E+001	6.72E+000	2.14E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	4.54E-002	5.63E-002	1.30E-001
CO-57	NOT FOUND/DATA for		122.06 keV	3.34E-003	6.46E-002	1.11E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	5.40E-002	7.43E-002	1.73E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-9.01E-002	1.84E-001	3.05E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	-2.52E-002	5.51E-002	9.96E-002
SB-125	NOT FOUND/DATA for		427.89 keV	1.48E-002	1.87E-001	3.47E-001
CS-134	NOT FOUND/DATA for		604.70 keV	-6.39E-002	6.60E-002	1.06E-001
CS-137	NOT FOUND/DATA for		661.66 keV	6.07E-002	7.21E-002	1.56E-001
TL-208	2.20E-001	9.02E-002	1.72E-001	FOUND		
PB-212	8.25E-001	1.60E-001	3.23E-001	FOUND		
BI-214	8.54E-001	6.53E-001	3.16E-001	FOUND		
PB-214	6.47E-001	2.67E-001	3.62E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	1.98E+000	1.52E+000	3.00E+000
AC-228	NOT FOUND/DATA for		911.21 keV	1.17E+000	4.61E-001	1.04E+000
TH-230	NOT FOUND/DATA for		67.67 keV	9.85E+000	2.83E+001	5.23E+001
PA-231	NOT FOUND/DATA for		300.02 keV	1.28E+000	2.54E+000	4.58E+000
PA-234	NOT FOUND/DATA for		131.20 keV	-1.22E-001	2.77E-001	4.38E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	-6.10E+000	2.14E+001	1.66E+001
TH-234	NOT FOUND/DATA for		92.60 keV	2.02E+000	1.29E+000	2.44E+000
U-234	NOT FOUND/DATA for		53.20 keV	3.73E+001	2.06E+002	3.91E+002
U-235	NOT FOUND/DATA for		185.71 keV	9.12E-002	9.23E-002	1.79E-001
U-238	NOT FOUND/DATA for		92.60 keV	2.02E+000	1.29E+000	2.44E+000
AM-241	NOT FOUND/DATA for		59.54 keV	-1.93E-001	4.21E-001	7.47E-001

Uncertainty reported at 2.0 sigma

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**** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location:	CE Windsor
Sample ID:	MAC-0504-133
Sample Title:	BLD-5 SOUTH EAST H/W LINE
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.585E+002 G
Sample Taken On:	4/8/2005 11:15:00 AM
Acquisition Started:	4/12/2005 6:45:40 AM
Live Time:	600.0 seconds
Real Time:	600.9 seconds
Dead Time:	0.16 %
Efficiency ID:	srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/G)	Activity Uncert. (pCi/G)	Nuclide MDA (pCi/G)	Line Activity (pCi/G)	Line Act Uncert. (pCi/G)	Line MDA (pCi/G)
K-40	1.95E+001	4.49E+000	3.12E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.08E-002	8.03E-002	1.86E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.60E-002	9.36E-002	1.64E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		5.81E-002	1.20E-001	2.58E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.43E-001	2.23E-001	3.65E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		3.76E-002	8.77E-002	1.90E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.04E-001	2.27E-001	4.76E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.74E-002	8.66E-002	1.63E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.04E-003	1.20E-001	2.34E-001
TL-208	4.16E-001	1.43E-001	2.15E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		9.15E-001	2.59E-001	5.58E-001
BI-214	NOT FOUND/DATA for	609.31 keV		7.98E-001	3.13E-001	7.25E-001
PB-214	5.42E-001	2.36E-001	4.43E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.56E+000	2.10E+000	4.11E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.98E-001	5.55E-001	1.31E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.94E+001	3.94E+001	6.75E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.46E+000	3.73E+000	6.90E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-8.14E-002	3.49E-001	5.90E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.37E+000	1.52E+001	3.37E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.02E-001	1.78E+000	3.07E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.30E+002	3.54E+002	6.30E+002
U-235	NOT FOUND/DATA for	185.71 keV		7.37E-002	1.31E-001	2.52E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.02E-001	1.78E+000	3.07E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.31E-002	6.93E-001	1.29E+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 *****
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Site Location: CE Windsor
Sample ID: MAC-0504-141
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.849E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 8:39:45 AM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/G)	Activity Uncert. (pCi/G)	Nuclide MDA (pCi/G)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/G)	Line Act Uncert. (pCi/G)	Line MDA (pCi/G)
K-40	2.32E+001	1.14E+001	1.71E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.86E-003	8.43E-002	1.80E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.59E-002	9.74E-002	1.62E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-2.96E-002	1.07E-001	2.05E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.26E-001	2.32E-001	4.74E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.62E-002	1.01E-001	1.81E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-7.22E-002	2.77E-001	5.10E-001
CS-134	NOT FOUND/DATA for	604.70 keV		2.53E-002	9.76E-002	1.96E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.95E-002	1.24E-001	2.60E-001
TL-208	2.99E-001	5.10E-001	1.96E-001	FOUND		
PB-212	1.33E+000	6.78E-001	5.10E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		6.96E-001	3.59E-001	7.78E-001
PB-214	7.70E-001	7.92E-001	4.65E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		9.86E-001	2.36E+000	4.46E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.15E-001	6.01E-001	1.37E+000
TH-230	NOT FOUND/DATA for	67.67 keV		3.77E+001	3.57E+001	7.60E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-6.70E-001	3.34E+000	5.81E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.54E-002	3.89E-001	6.65E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.53E+001	1.87E+001	4.41E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-2.31E-001	1.98E+000	3.37E+000
U-234	NOT FOUND/DATA for	53.20 keV		8.93E+001	3.44E+002	6.58E+002
U-235	NOT FOUND/DATA for	185.71 keV		8.85E-002	1.41E-001	2.74E-001
U-238	NOT FOUND/DATA for	92.60 keV		-2.31E-001	1.98E+000	3.37E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.49E-001	6.82E-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 *****
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Site Location: CE Windsor
Sample ID: MAC-0504-168
Sample Title: B5 HW Trench - #25
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.613E+002 g
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 5/9/2005 2:17:15 PM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.17 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.19E+001	4.36E+000	3.72E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.56E-002	1.40E-001	2.87E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.69E-002	1.28E-001	2.30E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.07E-002	1.23E-001	2.83E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.62E-001	3.06E-001	4.87E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.87E-002	1.38E-001	2.43E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.01E-001	3.33E-001	6.81E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.89E-001	1.91E-001	2.16E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.32E-001	1.39E-001	3.17E-001
TL-208	3.57E-001	1.66E-001	2.52E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		1.07E+000	3.36E-001	7.21E-001
BI-214	NOT FOUND/DATA for	609.31 keV		1.13E+000	4.47E-001	1.02E+000
PB-214	NOT FOUND/DATA for	351.92 keV		7.36E-001	3.66E-001	7.96E-001
RA-226	NOT FOUND/DATA for	186.10 keV		3.58E+000	2.80E+000	5.71E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.46E+000	8.20E-001	1.89E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.44E+001	5.05E+001	9.12E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.14E+000	4.85E+000	8.95E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.46E-001	4.75E-001	8.47E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.52E+000	1.92E+001	3.88E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.20E+000	2.25E+000	4.04E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.95E+001	4.28E+002	8.02E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.15E-001	1.72E-001	3.51E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.20E+000	2.25E+000	4.04E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.33E-001	7.59E-001	1.33E+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 *****
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Site Location: CE Windsor
Sample ID: MAC-0504-175
Sample Title: B5 HW Trench - #32
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.467E+002 g
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 5/9/2005 2:28:03 PM
Live Time: 600.0 seconds
Real Time: 600.8 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.95E+001	3.74E+000	3.57E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.17E-002	1.08E-001	2.27E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-9.56E-002	1.24E-001	1.71E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-4.65E-002	1.15E-001	1.90E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.19E-001	2.57E-001	4.46E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-5.50E-002	1.51E-001	1.86E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.08E-001	2.58E-001	5.27E-001
CS-134	NOT FOUND/DATA for	795.84 keV		2.57E-002	1.34E-001	2.20E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.23E-002	1.23E-001	2.13E-001
TL-208	4.33E-001	6.45E-001	2.12E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		1.00E+000	2.83E-001	6.00E-001
BI-214	8.64E-001	3.08E-001	4.41E-001	FOUND		
PB-214	7.76E-001	7.47E-001	4.24E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.39E+000	2.40E+000	4.56E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.01E+000	5.86E-001	1.35E+000
TH-230	NOT FOUND/DATA for	67.67 keV		6.91E+000	3.78E+001	7.19E+001
PA-231	NOT FOUND/DATA for	302.65 keV		-1.95E+000	4.30E+000	6.81E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.45E-001	3.96E-001	6.32E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-5.57E+000	2.04E+001	3.85E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.32E-001	1.90E+000	3.33E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.20E+001	3.15E+002	5.90E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.15E-001	1.43E-001	2.78E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.32E-001	1.90E+000	3.33E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.55E-001	6.90E-001	1.17E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-192
Sample Title: B-5 SOUTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.597E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 9:12:30 AM
Live Time: 900.0 seconds
Real Time: 901.4 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/G)	Activity Uncert. (pCi/G)	Nuclide MDA (pCi/G)	Line Activity (pCi/G)	Line Act Uncert. (pCi/G)	Line MDA (pCi/G)
K-40	2.32E+001	8.75E+000	2.59E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-3.71E-003	7.55E-002	1.50E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-4.50E-002	7.92E-002	1.24E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-2.68E-003	1.02E-001	2.01E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.24E-001	2.48E-001	3.26E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-5.58E-002	8.43E-002	1.44E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-4.03E-002	2.31E-001	4.20E-001
CS-134	NOT FOUND/DATA for 604.70 keV			2.37E-002	8.69E-002	1.72E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.65E-002	1.09E-001	2.22E-001
TL-208	4.64E-001	4.17E-001	1.99E-001	FOUND		
PB-212	1.00E+000	2.01E-001	3.63E-001	FOUND		
BI-214	5.37E-001	3.26E-001	3.66E-001	FOUND		
PB-214	7.64E-001	2.30E-001	3.87E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.47E+000	2.08E+000	4.06E+000
AC-228	NOT FOUND/DATA for 338.32 keV			7.38E-001	7.21E-001	1.43E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.12E+000	3.18E+001	5.89E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-1.13E+000	3.39E+000	5.62E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-3.11E-001	3.87E-001	5.29E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-4.69E+000	1.18E+001	2.20E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.39E+000	1.68E+000	3.15E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.47E+002	3.29E+002	5.80E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.99E-002	1.27E-001	2.40E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.39E+000	1.68E+000	3.15E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-4.59E-001	5.59E-001	9.44E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-199
Sample Title: DEP Sample #WP59
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.672E+002 g
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 5/9/2005 2:39:04 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.99E+001	1.65E+001	2.54E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.50E-002	9.46E-002	1.62E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.32E-002	1.19E-001	2.12E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		5.05E-002	1.44E-001	3.19E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		2.25E-002	3.15E-001	6.51E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-1.37E-001	1.91E-001	3.35E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.26E-002	2.84E-001	5.54E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-9.69E-003	1.54E-001	2.60E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.42E-002	1.44E-001	3.03E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.99E-001	1.80E-001	4.06E-001
PB-212	NOT FOUND/DATA for	238.63 keV		9.00E-001	2.94E-001	6.46E-001
BI-214	8.12E-001	3.58E-001	5.66E-001	FOUND		
PB-214	7.88E-001	3.13E-001	5.99E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.47E+000	2.77E+000	5.66E+000
AC-228	NOT FOUND/DATA for	911.21 keV		7.06E-001	7.02E-001	1.56E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-4.32E+000	4.94E+001	9.17E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.10E+000	4.63E+000	7.93E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.39E-001	4.40E-001	7.80E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.33E+000	2.20E+001	4.50E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.66E-001	2.09E+000	3.72E+000
U-234	NOT FOUND/DATA for	53.20 keV		-9.24E+001	4.52E+002	8.11E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.23E-001	1.74E-001	3.37E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.66E-001	2.09E+000	3.72E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.03E-001	7.30E-001	1.48E+000

Uncertainty reported at 2.0 sigma

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**** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0504-208
Sample Title: B-5 NORTH WING H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.726E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 10:57:31 AM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/G)	Activity Uncert. (pCi/G)	Nuclide MDA (pCi/G)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/G)	Line Act Uncert. (pCi/G)	Line MDA (pCi/G)
K-40	2.35E+001	1.54E+001	3.57E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.37E-002	8.30E-002	1.96E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.66E-002	9.84E-002	1.73E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			5.98E-002	1.07E-001	2.54E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.23E-001	2.59E-001	4.45E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	2.22E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-3.97E-002	3.22E-001	6.02E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.43E-003	1.05E-001	1.99E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-2.07E-002	1.21E-001	2.26E-001
TL-208	3.55E-001	1.50E-001	2.53E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			9.39E-001	3.05E-001	6.40E-001
BI-214	6.17E-001	9.09E-001	3.60E-001	FOUND		
PB-214	6.87E-001	2.22E-001	4.85E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.54E+000	2.44E+000	4.98E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.53E+000	7.47E-001	1.71E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-2.26E+001	4.92E+001	8.67E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-3.46E-001	3.59E+000	6.31E+000
PA-234	NOT FOUND/DATA for 98.44 keV			8.01E-002	4.13E-001	7.07E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.35E+001	1.80E+001	4.27E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.49E+000	2.04E+000	3.90E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.23E+002	3.34E+002	6.70E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.45E-001	1.45E-001	2.90E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.49E+000	2.04E+000	3.90E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-5.33E-001	7.11E-001	1.22E+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:	MAC-0504-271
Sample Title:	B-5 NORTH EAST H/W TRENCH SAMPLE#1
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.262E+002 g
Sample Taken On:	4/18/2005 11:15:00 AM
Acquisition Started:	4/22/2005 11:09:35 AM
Live Time:	397.2 seconds
Real Time:	397.8 seconds
Dead Time:	0.15 %
Efficiency ID:	srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.38E+001	1.87E+001	8.50E-001	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-5.11E-002	1.46E-001	2.73E-001
CO-57	NOT FOUND/DATA for 122.06 keV			8.13E-003	1.30E-001	2.30E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			4.55E-002	1.08E-001	2.92E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.32E-001	4.02E-001	5.98E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			4.56E-003	1.25E-001	2.61E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-5.97E-002	3.28E-001	6.31E-001
CS-134	NOT FOUND/DATA for 604.70 keV			1.02E-002	1.29E-001	2.69E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.03E-003	1.38E-001	2.89E-001
TL-208	NOT FOUND/DATA for 583.19 keV			1.82E-001	2.15E-001	4.60E-001
PB-212	NOT FOUND/DATA for 238.63 keV			9.59E-001	3.82E-001	8.25E-001
BI-214	6.49E-001	3.60E-001	5.93E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			7.90E-001	3.93E-001	9.13E-001
RA-226	NOT FOUND/DATA for 186.10 keV			1.79E+000	2.83E+000	5.74E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.12E+000	9.65E-001	2.18E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.87E+001	4.78E+001	1.01E+002
PA-231	NOT FOUND/DATA for 300.02 keV			1.33E+000	4.96E+000	9.37E+000
PA-234	NOT FOUND/DATA for 131.20 keV			1.01E-001	4.69E-001	8.51E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.15E+001	3.44E+001	6.16E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.12E+000	2.39E+000	4.69E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.58E+001	4.81E+002	7.88E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.78E-001	1.70E-001	3.61E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.12E+000	2.38E+000	4.69E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.95E-001	9.46E-001	1.90E+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: MAC-0504-288
Sample Title: B-5 North Wing HW Sludge Sample #8
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.294E+002 g
Sample Taken On: 4/18/2005 11:15:00 AM
Acquisition Started: 4/19/2005 2:47:13 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.66E+001	3.41E+000	1.71E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			6.98E-003	1.08E-001	2.23E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-6.86E-002	9.15E-002	1.43E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-1.38E-002	6.47E-002	1.52E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.79E-001	2.69E-001	6.05E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-6.92E-002	1.01E-001	1.71E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.24E-001	2.72E-001	5.73E-001
CS-134	NOT FOUND/DATA for 604.70 keV			1.43E-002	9.13E-002	1.86E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.21E-002	9.95E-002	2.30E-001
TL-208	NOT FOUND/DATA for 583.19 keV			7.13E-002	1.45E-001	2.96E-001
PB-212	5.33E-001	2.10E-001	4.99E-001	FOUND		
BI-214	5.83E-001	2.87E-001	4.73E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			4.68E-001	3.02E-001	6.50E-001
RA-226	8.98E+000	2.94E+000	6.15E+000	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			1.01E+000	6.75E-001	1.55E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.44E+001	3.90E+001	7.71E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.05E+000	3.60E+000	6.88E+000
PA-234	NOT FOUND/DATA for 98.44 keV			7.94E-002	4.11E-001	7.21E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.28E+000	1.96E+001	4.06E+001
TH-234	NOT FOUND/DATA for 92.60 keV			4.23E+000	2.13E+000	4.25E+000
U-234	NOT FOUND/DATA for 53.20 keV			6.78E+001	3.66E+002	6.68E+002
U-235	5.47E-001	1.80E-001	3.74E-001	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			4.23E+000	2.13E+000	4.25E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-6.35E-001	7.87E-001	1.13E+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: MAC-0504-292
Sample Title: B-5 NORTH TRENCH SPOILS PILE SAMPLE# 1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.169E+002 g
Sample Taken On: 4/19/2005 11:15:00 AM
Acquisition Started: 4/23/2005 9:53:19 AM
Live Time: 571.7 seconds
Real Time: 572.2 seconds
Dead Time: 0.08 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.27E+001	4.04E+000	3.73E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.91E-002	9.51E-002	2.19E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.78E-002	1.04E-001	1.75E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.96E-002	1.01E-001	2.50E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.70E-002	3.03E-001	4.42E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.76E-004	9.39E-002	1.71E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.08E-001	3.03E-001	4.92E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-8.83E-003	1.11E-001	2.12E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.28E-001	1.31E-001	2.92E-001
TL-208	5.72E-001	1.62E-001	1.71E-001	FOUND		
PB-212	7.23E-001	2.43E-001	5.79E-001	FOUND		
BI-214	1.35E+000	1.02E+000	4.27E-001	FOUND		
PB-214	1.41E+000	1.09E+000	4.88E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.19E+000	2.52E+000	4.78E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.37E-001	6.86E-001	1.50E+000
TH-230	NOT FOUND/DATA for	67.67 keV		4.67E+001	4.48E+001	9.16E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.17E+000	4.52E+000	7.66E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.26E-001	4.43E-001	6.83E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.33E+000	2.92E+001	4.62E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.09E-001	1.98E+000	3.47E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.68E+002	3.95E+002	7.85E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.90E-002	1.60E-001	2.98E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.09E-001	1.98E+000	3.47E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.96E-001	7.35E-001	1.41E+000

Uncertainty reported at 2.0 sigma

****
**** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0504-348
Sample Title: ESI-056
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.850E+002 g
Sample Taken On: 4/20/2005 11:15:00 AM
Acquisition Started: 4/21/2005 1:52:23 PM
Live Time: 2195.1 seconds
Real Time: 2199.2 seconds
Dead Time: 0.19 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.61E+001	5.12E+000	1.64E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.29E-002	5.88E-002	1.14E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.50E-002	5.35E-002	8.70E-002
CO-60	NOT FOUND/DATA for 1332.50 keV			5.92E-002	6.26E-002	1.30E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-5.57E-002	1.55E-001	2.33E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-2.06E-002	5.41E-002	9.49E-002
SB-125	NOT FOUND/DATA for 427.89 keV			-1.43E-002	1.42E-001	2.53E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.15E-002	6.01E-002	9.59E-002
CS-137	NOT FOUND/DATA for 661.66 keV			2.08E-002	6.33E-002	1.18E-001
TL-208	4.09E-001	8.26E-002	1.44E-001	FOUND		
PB-212	1.55E+000	2.61E-001	2.31E-001	FOUND		
BI-214	1.09E+000	4.76E-001	2.59E-001	FOUND		
PB-214	9.15E-001	2.75E-001	2.67E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.87E+000	1.30E+000	2.42E+000
AC-228	1.24E+000	2.34E-001	4.51E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			-4.94E+000	2.31E+001	3.98E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.32E+000	2.03E+000	3.46E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.83E-002	1.99E-001	3.34E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.62E+000	8.95E+000	1.74E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.16E+000	1.02E+000	1.79E+000
U-234	NOT FOUND/DATA for 53.20 keV			3.93E+001	1.95E+002	3.54E+002
U-235	NOT FOUND/DATA for 185.71 keV			6.64E-002	7.82E-002	1.43E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.16E+000	1.02E+000	1.79E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.23E-001	3.55E-001	6.52E-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: MAC-0504-366
Sample Title: B-17 C-BAY BOTTOM OF TRENCH SAMPLE #10
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.832E+002 g
Sample Taken On: 4/19/2005 11:15:00 AM
Acquisition Started: 4/22/2005 1:12:28 PM
Live Time: 534.9 seconds
Real Time: 535.7 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.89E+001	1.52E+001	3.43E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-6.61E-003	1.19E-001	2.32E-001
CO-57	NOT FOUND/DATA for	122.06 keV		9.00E-003	9.84E-002	1.73E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-8.21E-002	1.15E-001	1.99E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-8.96E-002	2.21E-001	3.50E-001
AG-110m	NOT FOUND/DATA for	1384.30 keV		0.00E+000	0.00E+000	2.47E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.54E-001	2.96E-001	5.07E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.74E-002	1.15E-001	1.93E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.39E-002	8.19E-002	1.80E-001
TL-208	4.67E-001	1.69E-001	2.27E-001	FOUND		
PB-212	1.10E+000	2.63E-001	4.93E-001	FOUND		
BI-214	8.30E-001	1.76E+000	4.95E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		8.62E-001	3.91E-001	8.42E-001
RA-226	NOT FOUND/DATA for	186.10 keV		2.00E+000	2.62E+000	5.12E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.98E-001	6.92E-001	1.57E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.62E+000	4.36E+001	8.26E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.94E+000	4.20E+000	7.89E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.18E-001	4.44E-001	7.45E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.23E+000	2.40E+001	3.90E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.98E-001	2.16E+000	3.82E+000
U-234	NOT FOUND/DATA for	53.20 keV		-9.23E+001	4.37E+002	7.99E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.68E-002	1.56E-001	3.02E-001
U-238	NOT FOUND/DATA for	92.60 keV		6.98E-001	2.16E+000	3.82E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-5.84E-001	6.99E-001	1.16E+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 *****
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Site Location: CE Windsor
Sample ID: MAC-0504-372
Sample Title: B-17 C-BAY BOTTOM OF TRENCH SAMPLE #16
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.034E+002 g
Sample Taken On: 4/19/2005 11:15:00 AM
Acquisition Started: 4/22/2005 2:00:10 PM
Live Time: 311.5 seconds
Real Time: 312.0 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.30E+001	5.02E+000	3.58E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.29E-002	1.44E-001	2.95E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.54E-002	1.25E-001	2.32E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			9.32E-002	1.91E-001	4.31E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.75E-002	2.68E-001	5.12E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-8.33E-002	1.79E-001	2.37E-001
SB-125	NOT FOUND/DATA for 427.89 keV			6.17E-002	3.65E-001	7.40E-001
CS-134	NOT FOUND/DATA for 795.84 keV			-1.63E-002	1.10E-001	2.35E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.33E-001	1.88E-001	4.12E-001
TL-208	NOT FOUND/DATA for 583.19 keV			2.42E-001	2.03E-001	4.57E-001
PB-212	NOT FOUND/DATA for 238.63 keV			7.98E-001	3.73E-001	7.92E-001
BI-214	7.34E-001	1.41E+000	5.02E-001	FOUND		
PB-214	1.05E+000	3.83E-001	5.81E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.67E+000	2.86E+000	5.61E+000
AC-228	NOT FOUND/DATA for 911.21 keV			2.10E+000	9.36E-001	2.34E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.67E+001	5.69E+001	1.16E+002
PA-231	NOT FOUND/DATA for 302.65 keV			-8.68E+000	8.13E+000	9.40E+000
PA-234	NOT FOUND/DATA for 883.24 keV			9.72E-002	3.67E-001	1.14E+000
PA-234M	NOT FOUND/DATA for 1001.03 keV			-8.69E+000	3.32E+001	3.20E+001
TH-234	NOT FOUND/DATA for 92.60 keV			3.22E+000	2.42E+000	4.95E+000
U-234	NOT FOUND/DATA for 53.20 keV			9.98E+000	5.27E+002	1.01E+003
U-235	NOT FOUND/DATA for 185.71 keV			1.02E-001	1.63E-001	3.35E-001
U-238	NOT FOUND/DATA for 92.60 keV			3.22E+000	2.42E+000	4.95E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.64E-001	7.99E-001	1.43E+000

Uncertainty reported at 2.0 sigma

****
*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-411
Sample Title: B5 North Trench #7
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.994E+002 g
Sample Taken On: 4/22/2005 11:15:00 AM
Acquisition Started: 4/26/2005 8:35:42 AM
Live Time: 724.2 seconds
Real Time: 724.9 seconds
Dead Time: 0.10 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.91E+001	1.18E+001	3.58E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.96E-002	1.34E-001	2.36E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.82E-002	9.33E-002	1.55E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		2.69E-002	1.24E-001	2.62E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		5.57E-002	2.22E-001	4.78E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.47E-002	9.46E-002	1.81E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.42E-002	3.09E-001	5.89E-001
CS-134	NOT FOUND/DATA for	604.70 keV		5.86E-003	1.17E-001	2.24E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.59E-002	1.30E-001	2.76E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.38E-001	1.71E-001	3.60E-001
PB-212	1.91E+000	7.99E-001	4.42E-001	FOUND		
BI-214	8.57E-001	7.57E-001	5.26E-001	FOUND		
PB-214	1.02E+000	3.02E-001	4.94E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.95E+000	2.57E+000	5.04E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.57E+000	6.56E-001	1.57E+000
TH-230	NOT FOUND/DATA for	67.67 keV		8.77E+000	4.35E+001	8.06E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-2.88E+000	3.78E+000	5.63E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.01E-001	4.34E-001	6.96E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.65E-001	1.80E+001	3.53E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-4.78E-001	1.97E+000	3.28E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.27E+001	3.55E+002	6.61E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.36E-002	1.56E-001	2.96E-001
U-238	NOT FOUND/DATA for	92.60 keV		-4.78E-001	1.97E+000	3.28E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-5.34E-002	6.60E-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 *****
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Site Location: CE Windsor
Sample ID: MAC-0504-437
Sample Title: ESI-034 Sample #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.259E+002 g
Sample Taken On: 4/22/2005 11:15:00 AM
Acquisition Started: 4/25/2005 3:37:06 PM
Live Time: 2568.9 seconds
Real Time: 2573.0 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	3.11E+001	5.66E+000	1.53E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.58E-002	5.51E-002	9.59E-002
CO-57	NOT FOUND/DATA for 122.06 keV			-1.61E-003	5.21E-002	8.64E-002
CO-60	NOT FOUND/DATA for 1332.50 keV			2.49E-002	5.90E-002	1.19E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.83E-002	1.32E-001	2.38E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			5.31E-003	5.81E-002	1.05E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.56E-002	1.51E-001	2.68E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.51E-002	5.79E-002	1.00E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.97E-002	6.61E-002	1.23E-001
TL-208	5.12E-001	8.01E-002	1.33E-001	FOUND		
PB-212	1.37E+000	2.98E-001	2.97E-001	FOUND		
BI-214	1.18E+000	1.70E-001	2.81E-001	FOUND		
PB-214	1.23E+000	3.21E-001	2.86E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.73E+000	1.34E+000	2.59E+000
AC-228	1.67E+000	7.68E-001	4.80E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			4.26E+000	2.24E+001	3.99E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.45E-001	2.04E+000	3.45E+000
PA-234	NOT FOUND/DATA for 98.44 keV			8.74E-002	2.13E-001	3.60E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-7.82E-001	1.07E+001	1.93E+001
TH-234	NOT FOUND/DATA for 92.60 keV			5.51E-001	1.08E+000	1.83E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.05E+002	1.93E+002	3.29E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.12E-001	8.17E-002	1.50E-001
U-238	NOT FOUND/DATA for 92.60 keV			5.51E-001	1.08E+000	1.83E+000
AM-241	NOT FOUND/DATA for 59.54 keV			7.33E-002	3.84E-001	6.93E-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 *****
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Site Location: CE Windsor
Sample ID: mac-0504-454
Sample Title: b-5 north wing sasmple #12
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.144E+002 g
Sample Taken On: 4/22/2005 11:15:00 AM
Acquisition Started: 4/27/2005 9:14:41 AM
Live Time: 600.0 seconds
Real Time: 600.2 seconds
Dead Time: 0.03 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.56E+001	1.63E+001	3.38E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	3.46E-002	8.07E-002	1.86E-001
CO-57	NOT FOUND/DATA for		122.06 keV	6.80E-002	1.02E-001	1.86E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	1.42E-002	1.20E-001	1.34E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-1.01E-001	2.69E-001	3.48E-001
AG-110m	NOT FOUND/DATA for		884.68 keV	-7.71E-002	1.22E-001	2.05E-001
SB-125	NOT FOUND/DATA for		427.89 keV	-6.93E-002	2.76E-001	4.12E-001
CS-134	NOT FOUND/DATA for		604.70 keV	-8.91E-003	1.04E-001	1.96E-001
CS-137	NOT FOUND/DATA for		661.66 keV	-3.83E-002	1.24E-001	2.23E-001
TL-208	2.77E-001	1.33E-001	2.21E-001	FOUND		
PB-212	NOT FOUND/DATA for		238.63 keV	1.11E+000	2.99E-001	6.36E-001
BI-214	NOT FOUND/DATA for		609.31 keV	8.55E-001	3.55E-001	8.00E-001
PB-214	NOT FOUND/DATA for		351.92 keV	6.50E-001	3.32E-001	7.02E-001
RA-226	NOT FOUND/DATA for		186.10 keV	1.69E-001	2.13E+000	3.96E+000
AC-228	NOT FOUND/DATA for		911.21 keV	1.41E+000	6.71E-001	1.57E+000
TH-230	NOT FOUND/DATA for		67.67 keV	-1.75E+001	4.21E+001	7.51E+001
PA-231	NOT FOUND/DATA for		300.02 keV	3.80E-001	3.44E+000	6.18E+000
PA-234	NOT FOUND/DATA for		98.44 keV	-2.46E-001	4.00E-001	6.19E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	1.58E+000	1.69E+001	3.05E+001
TH-234	NOT FOUND/DATA for		92.60 keV	5.31E-001	1.83E+000	3.26E+000
U-234	NOT FOUND/DATA for		53.20 keV	-3.87E+002	3.59E+002	5.59E+002
U-235	NOT FOUND/DATA for		185.71 keV	5.87E-002	1.28E-001	2.46E-001
U-238	NOT FOUND/DATA for		92.60 keV	5.31E-001	1.83E+000	3.26E+000
AM-241	NOT FOUND/DATA for		59.54 keV	5.41E-001	7.48E-001	1.48E+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 *****
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Site Location: CE Windsor
Sample ID: MAC-0504-517
Sample Title: B5 H/W TB-Between M/H 4&7 - #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.249E+002
Sample Taken On: 4/27/2005 11:15:00 AM
Acquisition Started: 5/2/2005 7:32:44 AM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/)	Activity Uncert. (pCi/)	Nuclide MDA (pCi/)	Line Activity (pCi/)	Line Act Uncert. (pCi/)	Line MDA (pCi/)
K-40	1.74E+001	9.40E+000	2.80E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.37E-002	6.91E-002	1.62E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.72E-002	8.13E-002	1.36E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.82E-002	9.60E-002	2.12E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.01E-001	2.03E-001	4.35E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			2.30E-003	8.11E-002	1.56E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.08E-001	2.21E-001	3.91E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-3.63E-002	7.55E-002	1.34E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.88E-002	1.04E-001	1.98E-001
TL-208	4.04E-001	1.96E-001	1.54E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			8.27E-001	2.35E-001	4.95E-001
BI-214	9.26E-001	2.71E-001	3.82E-001	FOUND		
PB-214	8.86E-001	6.23E-001	3.96E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.26E+000	1.91E+000	3.65E+000
AC-228	8.01E-001	3.37E-001	6.15E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			-7.98E+000	3.62E+001	6.30E+001
PA-231	NOT FOUND/DATA for 300.02 keV			7.40E-001	2.81E+000	4.95E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-4.76E-003	3.09E-001	5.31E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-2.69E+000	1.37E+001	2.57E+001
TH-234	NOT FOUND/DATA for 92.60 keV			3.43E-001	1.54E+000	2.69E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.95E+001	2.88E+002	5.45E+002
U-235	NOT FOUND/DATA for 185.71 keV			7.62E-002	1.14E-001	2.20E-001
U-238	NOT FOUND/DATA for 92.60 keV			3.43E-001	1.54E+000	2.69E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-4.49E-002	4.84E-001	9.06E-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 *****
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Site Location:	CE Windsor
Sample ID:	MAC-0504-521
Sample Title:	B5 H/W TB-Between M/H 4&7 - #5
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	8.093E+002
Sample Taken On:	4/27/2005 11:15:00 AM
Acquisition Started:	5/2/2005 8:22:12 AM
Live Time:	600.0 seconds
Real Time:	600.9 seconds
Dead Time:	0.15 %
Efficiency ID:	srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/)	Activity Uncert. (pCi/)	Nuclide MDA (pCi/)	Line Activity (pCi/)	Line Act Uncert. (pCi/)	Line MDA (pCi/)
K-40	1.98E+001	1.07E+001	2.25E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.33E-002	6.37E-002	1.53E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.66E-002	9.03E-002	1.60E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			7.42E-002	9.72E-002	2.42E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-6.90E-002	2.14E-001	4.03E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.35E-002	8.48E-002	1.62E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.02E-001	2.45E-001	4.89E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.69E-002	9.06E-002	1.38E-001
CS-137	NOT FOUND/DATA for 661.66 keV			9.17E-003	1.12E-001	2.20E-001
TL-208	NOT FOUND/DATA for 583.19 keV			1.74E-001	1.38E-001	2.93E-001
PB-212	1.11E+000	3.97E-001	3.90E-001	FOUND		
BI-214	8.22E-001	9.31E-001	3.66E-001	FOUND		
PB-214	8.78E-001	2.13E-001	4.13E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.11E+000	2.07E+000	4.11E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.27E+000	5.75E-001	1.37E+000
TH-230	NOT FOUND/DATA for 67.67 keV			8.64E+000	3.59E+001	6.83E+001
PA-231	NOT FOUND/DATA for 283.67 keV			1.85E-001	3.57E+000	6.58E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.57E-002	3.63E-001	6.19E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.22E+001	1.45E+001	3.55E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.75E+000	1.71E+000	3.22E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.69E+002	2.99E+002	6.01E+002
U-235	NOT FOUND/DATA for 185.71 keV			7.34E-002	1.27E-001	2.43E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.75E+000	1.71E+000	3.22E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-5.59E-001	5.26E-001	8.49E-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 *****
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Site Location: CE Windsor
Sample ID: MAC-0504-546
Sample Title: B5 Lab HW Trench - #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.640E+002 g
Sample Taken On: 4/29/2005 11:15:00 AM
Acquisition Started: 5/3/2005 10:46:43 AM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.17 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.11E+001	1.18E+001	1.71E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.12E-001	9.55E-002	2.32E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-5.38E-002	9.06E-002	1.44E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		1.31E-002	1.31E-001	2.21E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.68E-003	2.56E-001	5.03E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-1.00E-001	1.11E-001	1.31E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.70E-002	2.33E-001	4.57E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.85E-002	8.73E-002	1.54E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.10E-002	1.04E-001	2.17E-001
TL-208	3.45E-001	1.31E-001	1.81E-001	FOUND		
PB-212	1.17E+000	6.20E-001	3.89E-001	FOUND		
BI-214	6.55E-001	1.99E+000	3.15E-001	FOUND		
PB-214	8.43E-001	2.28E-001	4.09E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.01E+000	2.17E+000	4.39E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.16E-001	5.96E-001	1.28E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.45E+001	4.27E+001	7.23E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-2.41E-001	3.12E+000	5.56E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.11E-001	3.61E-001	5.96E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.63E+001	1.63E+001	3.95E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.25E+000	1.66E+000	3.08E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.73E+000	3.23E+002	6.14E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.11E-001	1.35E-001	2.78E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.25E+000	1.66E+000	3.08E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.06E-001	6.06E-001	1.05E+000

Uncertainty reported at 2.0 sigma

****
*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: SS FSS 0205 B1
Sample Title: FSS 02 05 B1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.514E+002 g
Sample Taken On: 4/29/2005 11:15:00 AM
Acquisition Started: 5/3/2005 1:22:40 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.19E+001	9.97E+000	1.94E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.64E-002	8.47E-002	1.45E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.49E-002	7.77E-002	1.29E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-5.27E-003	1.20E-001	2.34E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		5.75E-002	1.90E-001	4.06E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.25E-002	6.50E-002	1.27E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.03E-001	3.20E-001	4.38E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.91E-004	8.90E-002	1.70E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.18E-002	8.49E-002	1.79E-001
TL-208	3.77E-001	4.45E-001	1.70E-001	FOUND		
PB-212	1.24E+000	2.19E-001	4.40E-001	FOUND		
BI-214	6.21E-001	2.46E-001	3.89E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		7.02E-001	2.78E-001	6.12E-001
RA-226	NOT FOUND/DATA for	186.10 keV		5.33E-001	1.99E+000	3.73E+000
AC-228	1.16E+000	3.87E-001	6.76E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		3.16E+001	3.33E+001	6.85E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.55E+000	3.35E+000	6.15E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.35E-001	3.79E-001	5.61E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.34E+000	1.47E+001	2.79E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-3.77E-003	1.56E+000	2.69E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.50E+001	3.24E+002	6.02E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.39E-002	1.21E-001	2.29E-001
U-238	NOT FOUND/DATA for	92.60 keV		-3.77E-003	1.56E+000	2.69E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.34E-003	5.45E-001	1.02E+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 *****
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Site Location: CE Windsor
Sample ID: FSS 05 028 00
Sample Title: SS FSS 05 028 00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.679E+002 g
Sample Taken On: 5/11/2005 10:18:00 AM
Acquisition Started: 5/12/2005 8:41:18 AM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.98E+001	1.52E+001	2.83E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-9.14E-002	1.01E-001	1.51E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.98E-002	9.08E-002	1.49E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		7.46E-003	1.23E-001	2.52E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.28E-002	2.83E-001	5.43E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-8.58E-002	1.10E-001	1.49E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.63E-002	2.82E-001	5.57E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.79E-004	1.35E-001	2.42E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.03E-001	1.40E-001	2.99E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.76E-001	1.97E-001	4.42E-001
PB-212	1.14E+000	2.77E-001	5.79E-001	FOUND		
BI-214	1.36E+000	3.77E-001	4.41E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		8.06E-001	3.38E-001	7.45E-001
RA-226	NOT FOUND/DATA for	186.10 keV		2.07E+000	2.36E+000	4.67E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.34E+000	6.58E-001	1.56E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-3.90E+001	4.32E+001	7.27E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.29E+000	3.95E+000	7.08E+000
PA-234	NOT FOUND/DATA for	883.24 keV		-2.79E-001	1.55E+000	7.15E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		7.57E+000	2.65E+001	3.83E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.29E+000	1.90E+000	3.49E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.09E+002	3.42E+002	6.14E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.17E-001	1.46E-001	2.87E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.29E+000	1.90E+000	3.49E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-5.54E-001	7.36E-001	1.18E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: SS FSS 05 050 00
Sample Title: SS FSS 05 050 00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.050E+002 g
Sample Taken On: 5/18/2005 11:25:00 AM
Acquisition Started: 5/23/2005 8:49:26 AM
Live Time: 600.0 seconds
Real Time: 600.8 seconds
Dead Time: 0.13 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.26E+001	1.15E+001	4.38E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.56E-001	1.09E-001	2.83E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.20E-002	1.05E-001	1.86E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		9.07E-003	9.28E-002	2.13E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.15E-001	3.12E-001	3.55E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		8.05E-002	1.10E-001	2.48E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-7.67E-002	2.81E-001	5.11E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.08E-001	1.24E-001	1.61E-001
CS-137	NOT FOUND/DATA for	661.66 keV		9.70E-002	1.25E-001	2.84E-001
TL-208	4.08E-001	5.35E-001	2.28E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		1.06E+000	3.31E-001	7.02E-001
BI-214	8.79E-001	6.73E-001	4.74E-001	FOUND		
PB-214	9.23E-001	9.58E-001	5.90E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.73E+000	2.79E+000	5.49E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.11E+000	6.34E-001	1.52E+000
TH-230	NOT FOUND/DATA for	67.67 keV		4.20E+000	4.55E+001	8.46E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-3.08E-001	4.06E+000	7.16E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.84E-001	4.37E-001	7.21E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-8.93E+000	2.67E+001	4.50E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.68E-001	1.93E+000	3.49E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.00E+002	4.04E+002	8.05E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.49E-001	1.67E-001	3.28E-001
U-238	NOT FOUND/DATA for	92.60 keV		6.68E-001	1.93E+000	3.49E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.99E-001	7.41E-001	1.47E+000

Uncertainty reported at 2.0 sigma

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

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.48E+001	4.29E+000	3.19E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.04E-002	9.40E-002	2.16E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-7.68E-002	9.74E-002	1.52E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.22E-002	1.24E-001	2.82E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		5.04E-002	2.26E-001	4.95E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		2.19E-002	1.06E-001	2.19E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.42E-001	2.87E-001	6.22E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.86E-002	1.01E-001	1.71E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.34E-002	1.38E-001	2.73E-001
TL-208	3.98E-001	1.57E-001	2.13E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		9.04E-001	3.12E-001	6.50E-001
BI-214	8.48E-001	3.09E-001	4.28E-001	FOUND		
PB-214	9.73E-001	3.11E-001	5.23E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.70E+000	2.55E+000	4.83E+000
AC-228	1.80E+000	7.92E-001	6.16E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		6.26E-001	4.24E+001	7.99E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-4.70E-002	4.06E+000	7.02E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-3.96E-002	4.13E-001	7.05E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.43E+000	2.02E+001	3.34E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.46E-001	1.91E+000	3.38E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.53E+002	3.24E+002	6.61E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.28E-001	1.49E-001	3.08E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.46E-001	1.91E+000	3.38E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.80E-001	7.90E-001	1.57E+000

Uncertainty reported at 2.0 sigma

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*** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: SS FSS 05 075 00
Sample Title: SS FSS 05 075 00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.065E+002 g
Sample Taken On: 5/23/2005 2:05:00 PM
Acquisition Started: 5/25/2005 7:37:37 AM
Live Time: 600.0 seconds
Real Time: 600.7 seconds
Dead Time: 0.12 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.12E+001	1.15E+001	3.28E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	-5.21E-003	7.74E-002	1.59E-001
CO-57	NOT FOUND/DATA for		122.06 keV	2.62E-002	8.52E-002	1.54E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	4.92E-002	1.11E-001	2.60E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-7.49E-002	2.50E-001	4.57E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	-4.79E-002	1.03E-001	1.84E-001
SB-125	NOT FOUND/DATA for		427.89 keV	1.12E-001	2.43E-001	5.11E-001
CS-134	NOT FOUND/DATA for		604.70 keV	5.92E-002	9.79E-002	2.11E-001
CS-137	NOT FOUND/DATA for		661.66 keV	-6.93E-002	1.15E-001	1.94E-001
TL-208	3.27E-001	4.85E-001	2.39E-001	FOUND		
PB-212	NOT FOUND/DATA for		238.63 keV	9.16E-001	2.63E-001	5.72E-001
BI-214	NOT FOUND/DATA for		609.31 keV	6.94E-001	3.33E-001	7.46E-001
PB-214	6.80E-001	2.58E-001	4.61E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	2.31E+000	2.32E+000	4.62E+000
AC-228	1.24E+000	6.40E-001	7.58E-001	FOUND		
TH-230	NOT FOUND/DATA for		67.67 keV	-6.09E+000	3.79E+001	7.00E+001
PA-231	NOT FOUND/DATA for		300.02 keV	1.19E+000	3.62E+000	6.69E+000
PA-234	NOT FOUND/DATA for		98.44 keV	-1.17E-001	3.82E-001	6.18E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	1.77E+001	1.74E+001	4.27E+001
TH-234	NOT FOUND/DATA for		92.60 keV	1.24E+000	1.73E+000	3.21E+000
U-234	NOT FOUND/DATA for		53.20 keV	-4.01E+001	3.28E+002	6.10E+002
U-235	NOT FOUND/DATA for		185.71 keV	-8.66E-003	1.39E-001	2.52E-001
U-238	NOT FOUND/DATA for		92.60 keV	1.24E+000	1.73E+000	3.21E+000
AM-241	NOT FOUND/DATA for		59.54 keV	1.73E-001	5.99E-001	1.19E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: SS FSS 05 087 00
Sample Title: SS FSS 05 087 00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.773E+002 g
Sample Taken On: 5/23/2005 2:36:00 PM
Acquisition Started: 5/25/2005 7:26:41 AM
Live Time: 600.0 seconds
Real Time: 600.8 seconds
Dead Time: 0.13 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.48E+001	4.25E+000	1.93E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.50E-002	9.06E-002	1.81E-001
CO-57	NOT FOUND/DATA for 122.06 keV			6.75E-003	9.28E-002	1.61E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.92E-002	8.81E-002	1.79E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.48E-001	2.25E-001	3.64E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.86E-002	1.01E-001	1.82E-001
SB-125	NOT FOUND/DATA for 427.89 keV			4.31E-002	2.46E-001	4.96E-001
CS-134	NOT FOUND/DATA for 604.70 keV			4.45E-002	9.68E-002	2.06E-001
CS-137	NOT FOUND/DATA for 661.66 keV			9.62E-002	1.18E-001	2.62E-001
TL-208	4.25E-001	1.54E-001	2.25E-001	FOUND		
PB-212	9.49E-001	2.22E-001	5.09E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			6.69E-001	3.32E-001	7.51E-001
PB-214	NOT FOUND/DATA for 351.92 keV			9.16E-001	3.38E-001	7.58E-001
RA-226	NOT FOUND/DATA for 186.10 keV			1.35E+000	2.39E+000	4.51E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.12E+000	5.21E-001	1.33E+000
TH-230	NOT FOUND/DATA for 67.67 keV			4.11E+000	3.89E+001	7.43E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.56E+000	3.47E+000	6.52E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.40E-001	3.64E-001	6.61E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			6.69E-001	1.50E+001	3.21E+001
TH-234	NOT FOUND/DATA for 92.60 keV			4.03E-001	1.85E+000	3.28E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.84E+002	3.56E+002	7.31E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.55E-001	1.40E-001	2.83E-001
U-238	NOT FOUND/DATA for 92.60 keV			4.03E-001	1.85E+000	3.28E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.02E-001	6.53E-001	1.29E+000

Uncertainty reported at 2.0 sigma

****
*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: SS-FSS-17-010-00
Sample Title: SS-FSS-17-010-00
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.870E+002 grams
Sample Taken On: 5/4/2005 7:52:00 AM
Acquisition Started: 5/14/2005 11:52:11 AM
Live Time: 600.0 seconds
Real Time: 600.4 seconds
Dead Time: 0.06 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	NOT FOUND/DATA for 1460.75 keV			6.73E+000	2.51E+000	6.34E+000
MN-54	NOT FOUND/DATA for 834.83 keV			-5.23E-003	9.39E-002	1.95E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-4.53E-002	7.51E-002	1.25E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-1.02E-002	8.61E-002	1.50E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			2.00E-002	2.29E-001	4.30E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	2.61E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.62E-001	1.67E-001	4.47E-001
CS-134	NOT FOUND/DATA for 604.70 keV			2.42E-003	6.18E-002	1.37E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.15E-001	1.26E-001	2.93E-001
TL-208	NOT FOUND/DATA for 583.19 keV			1.37E-001	1.33E-001	3.01E-001
PB-212	NOT FOUND/DATA for 238.63 keV			4.71E-001	2.38E-001	5.12E-001
BI-214	3.74E-001	2.30E-001	2.77E-001	FOUND		
PB-214	5.79E-001	8.43E-001	2.92E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.77E+000	1.76E+000	3.69E+000
AC-228	NOT FOUND/DATA for 911.21 keV			6.39E-001	4.07E-001	1.11E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-2.73E-001	3.96E+001	7.46E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.15E+000	2.92E+000	5.93E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.38E-001	2.93E-001	5.16E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-7.72E-001	1.47E+001	2.87E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-1.93E-001	1.46E+000	2.68E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.54E+002	4.63E+002	9.00E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.74E-001	1.03E-001	2.38E-001
U-238	NOT FOUND/DATA for 92.60 keV			-1.93E-001	1.46E+000	2.68E+000
AM-241	NOT FOUND/DATA for 59.54 keV			7.10E-001	6.76E-001	1.46E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: SS-FSS-17-013-00
Sample Title: SS-FSS-17-013-00
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.664E+002 grams
Sample Taken On: 5/4/2005 8:28:00 AM
Acquisition Started: 5/14/2005 12:31:16 PM
Live Time: 600.0 seconds
Real Time: 600.7 seconds
Dead Time: 0.11 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/gram)	Activity Uncert. (pCi/gram)	Nuclide MDA (pCi/gram)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/gram)	Line Act Uncert. (pCi/gram)	Line MDA (pCi/gram)
K-40	NOT FOUND/DATA for		1460.75 keV	4.96E+000	2.37E+000	5.86E+000
MN-54	NOT FOUND/DATA for		834.83 keV	2.41E-002	1.02E-001	1.81E-001
CO-57	NOT FOUND/DATA for		122.06 keV	-6.16E-002	7.49E-002	1.22E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	3.17E-002	8.23E-002	2.14E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	1.23E-001	1.91E-001	4.97E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	-8.13E-002	1.33E-001	1.60E-001
SB-125	NOT FOUND/DATA for		427.89 keV	8.77E-002	2.70E-001	5.73E-001
CS-134	NOT FOUND/DATA for		604.70 keV	2.82E-002	6.33E-002	1.58E-001
CS-137	NOT FOUND/DATA for		661.66 keV	8.52E-002	1.16E-001	2.69E-001
TL-208	NOT FOUND/DATA for		583.19 keV	1.65E-001	1.26E-001	3.03E-001
PB-212	NOT FOUND/DATA for		238.63 keV	3.69E-001	2.44E-001	5.07E-001
BI-214	NOT FOUND/DATA for		1764.49 keV	0.00E+000	0.00E+000	5.02E-001
PB-214	NOT FOUND/DATA for		351.92 keV	3.58E-001	2.44E-001	5.65E-001
RA-226	NOT FOUND/DATA for		186.10 keV	4.25E-001	1.94E+000	3.66E+000
AC-228	NOT FOUND/DATA for		911.21 keV	3.56E-001	3.85E-001	9.95E-001
TH-230	NOT FOUND/DATA for		67.67 keV	-2.28E+001	4.59E+001	7.73E+001
PA-231	NOT FOUND/DATA for		283.67 keV	-2.39E-001	3.58E+000	7.00E+000
PA-234	NOT FOUND/DATA for		926.00 keV	0.00E+000	0.00E+000	4.39E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	-1.40E+000	1.93E+001	2.97E+001
TH-234	NOT FOUND/DATA for		92.60 keV	5.28E-001	1.62E+000	3.10E+000
U-234	NOT FOUND/DATA for		53.20 keV	-9.99E+001	4.53E+002	8.12E+002
U-235	NOT FOUND/DATA for		185.71 keV	3.97E-002	1.21E-001	2.27E-001
U-238	NOT FOUND/DATA for		92.60 keV	5.28E-001	1.62E+000	3.10E+000
AM-241	NOT FOUND/DATA for		59.54 keV	-4.58E-001	9.28E-001	1.59E+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 *****
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Site Location: CE Windsor
Sample ID: FSS 17 019 00
Sample Title: SS FSS 17 019 00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.693E+002 g
Sample Taken On: 5/4/2005 9:39:00 AM
Acquisition Started: 5/17/2005 3:56:55 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.97E+001	3.99E+000	2.81E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		9.51E-002	1.28E-001	2.94E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-9.43E-003	1.02E-001	1.77E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.96E-002	1.20E-001	2.47E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		6.93E-003	2.93E-001	5.86E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.47E-002	1.32E-001	2.36E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-4.54E-002	3.49E-001	6.39E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.34E-001	1.57E-001	1.85E-001
CS-137	3.79E-001	6.48E-001	2.18E-001	FOUND		
TL-208	NOT FOUND/DATA for	583.19 keV		3.27E-001	1.69E-001	3.98E-001
PB-212	9.94E-001	2.79E-001	4.85E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		8.62E-001	3.88E-001	8.94E-001
PB-214	NOT FOUND/DATA for	351.92 keV		6.85E-001	3.69E-001	7.93E-001
RA-226	NOT FOUND/DATA for	186.10 keV		1.12E+000	2.50E+000	4.85E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.40E+000	7.27E-001	1.74E+000
TH-230	NOT FOUND/DATA for	67.67 keV		3.14E+001	4.28E+001	8.84E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.77E+000	3.82E+000	6.30E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.00E-001	4.49E-001	7.56E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.39E+000	1.88E+001	3.82E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.05E-002	1.86E+000	3.28E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.79E+002	4.11E+002	8.24E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.88E-002	1.55E-001	2.95E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.05E-002	1.86E+000	3.28E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.45E-001	8.54E-001	1.53E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: ss-fss-17-043-00
Sample Title: ss-fss-17-043-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.651E+002 g
Sample Taken On: 5/11/2005 12:55:00 PM
Acquisition Started: 5/15/2005 12:53:06 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.00E+001	9.41E+000	3.17E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-9.91E-002	1.45E-001	1.52E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-5.87E-002	1.03E-001	1.65E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.27E-002	1.10E-001	2.57E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.22E-001	2.50E-001	3.73E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			7.65E-002	9.80E-002	2.25E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.20E-001	3.10E-001	6.26E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.69E-001	1.35E-001	1.57E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-3.92E-002	1.45E-001	2.58E-001
TL-208	NOT FOUND/DATA for 583.19 keV			5.91E-001	2.06E-001	4.72E-001
PB-212	1.10E+000	3.01E-001	4.61E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			1.07E+000	4.15E-001	9.29E-001
PB-214	6.04E-001	2.87E-001	5.64E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.37E+000	2.35E+000	4.87E+000
AC-228	1.40E+000	1.42E-001	8.93E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			-2.08E-001	4.53E+001	8.19E+001
PA-231	NOT FOUND/DATA for 300.02 keV			9.27E-001	3.90E+000	7.00E+000
PA-234	NOT FOUND/DATA for 98.44 keV			2.42E-001	4.18E-001	7.61E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-6.04E+000	1.79E+001	3.27E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-1.16E-001	2.10E+000	3.59E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.79E+002	4.08E+002	7.94E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.42E-001	1.41E-001	2.82E-001
U-238	NOT FOUND/DATA for 92.60 keV			-1.16E-001	2.10E+000	3.59E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-7.10E-001	7.63E-001	1.23E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: ss-fss-17-062-00
Sample Title: ss-fss-17-062-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.382E+002 g
Sample Taken On: 5/11/2005 1:55:00 PM
Acquisition Started: 5/15/2005 3:17:52 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.38E+001	1.09E+001	3.26E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	6.70E-002	1.07E-001	2.46E-001
CO-57	NOT FOUND/DATA for		122.06 keV	-5.09E-002	1.21E-001	1.86E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	1.53E-001	1.18E-001	3.24E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	1.24E-001	2.87E-001	5.73E-001
AG-110m	NOT FOUND/DATA for		884.68 keV	2.93E-002	8.86E-002	2.29E-001
SB-125	NOT FOUND/DATA for		427.89 keV	9.20E-002	3.10E-001	6.19E-001
CS-134	NOT FOUND/DATA for		604.70 keV	1.36E-002	1.08E-001	2.11E-001
CS-137	NOT FOUND/DATA for		661.66 keV	3.45E-002	1.32E-001	2.59E-001
TL-208	NOT FOUND/DATA for		583.19 keV	3.87E-001	1.84E-001	4.18E-001
PB-212	NOT FOUND/DATA for		238.63 keV	8.73E-001	3.04E-001	6.40E-001
BI-214	1.14E+000	3.39E-001	3.18E-001	FOUND		
PB-214	1.04E+000	2.65E-001	4.96E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	3.12E+000	2.45E+000	5.03E+000
AC-228	NOT FOUND/DATA for		911.21 keV	7.81E-001	5.81E-001	1.35E+000
TH-230	NOT FOUND/DATA for		67.67 keV	3.56E+001	4.78E+001	9.25E+001
PA-231	NOT FOUND/DATA for		300.02 keV	2.48E+000	4.03E+000	7.53E+000
PA-234	NOT FOUND/DATA for		883.24 keV	-2.67E-001	6.08E-001	9.44E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	9.23E+000	1.86E+001	4.26E+001
TH-234	NOT FOUND/DATA for		92.60 keV	2.86E+000	1.94E+000	3.84E+000
U-234	NOT FOUND/DATA for		53.20 keV	1.25E+001	3.93E+002	7.49E+002
U-235	NOT FOUND/DATA for		185.71 keV	1.57E-001	1.52E-001	3.03E-001
U-238	NOT FOUND/DATA for		92.60 keV	2.86E+000	1.94E+000	3.84E+000
AM-241	NOT FOUND/DATA for		59.54 keV	2.47E-001	7.25E-001	1.42E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: ss-fss-17-098-00
Sample Title: ss-fss-17-098-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.796E+002 g
Sample Taken On: 5/12/2005 1:48:00 PM
Acquisition Started: 5/14/2005 11:38:19 AM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.00E+001	1.40E+001	2.83E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.10E-002	1.12E-001	2.30E-001
CO-57	NOT FOUND/DATA for	122.06 keV		9.85E-003	1.05E-001	1.82E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-4.18E-002	1.38E-001	2.51E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.57E-001	2.56E-001	3.63E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-2.61E-002	1.23E-001	1.85E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.63E-002	2.97E-001	5.81E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.54E-002	1.23E-001	1.90E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.25E-002	1.36E-001	2.78E-001
TL-208	3.34E-001	4.67E-001	2.65E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		1.24E+000	3.11E-001	6.69E-001
BI-214	1.24E+000	1.11E+000	4.61E-001	FOUND		
PB-214	9.24E-001	1.12E+000	4.69E-001	FOUND		
RA-226	2.86E+000	1.51E+000	3.52E+000	FOUND		
AC-228	NOT FOUND/DATA for	911.21 keV		1.38E-002	8.39E-001	1.51E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.42E+001	3.56E+001	7.28E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.77E+000	3.68E+000	6.96E+000
PA-234	NOT FOUND/DATA for	98.44 keV		5.56E-002	3.90E-001	6.84E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.55E+000	2.11E+001	4.44E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.88E-001	1.87E+000	3.30E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.96E+001	3.44E+002	6.34E+002
U-235	1.74E-001	9.20E-002	2.14E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		3.88E-001	1.87E+000	3.30E+000
AM-241	NOT FOUND/DATA for	59.54 keV		5.53E-001	8.04E-001	1.58E+000

Uncertainty reported at 2.0 sigma

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*** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: SS FSS 17 134 00
Sample Title: SS FSS 17 134 00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.516E+002 g
Sample Taken On: 5/19/2005 3:50:00 PM
Acquisition Started: 5/23/2005 10:42:13 AM
Live Time: 600.0 seconds
Real Time: 600.8 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.08E+001	1.55E+001	2.64E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.26E-002	1.00E-001	2.18E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.12E-002	8.54E-002	1.41E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.41E-002	1.17E-001	2.45E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.40E-001	2.33E-001	5.11E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.53E-002	8.59E-002	1.74E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.08E-002	2.36E-001	4.47E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.09E-001	1.45E-001	1.29E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.55E-002	1.06E-001	2.29E-001
TL-208	3.81E-001	1.42E-001	2.16E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		7.20E-001	2.69E-001	5.58E-001
BI-214	7.67E-001	3.02E-001	4.90E-001	FOUND		
PB-214	9.40E-001	8.28E-001	5.23E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.96E-001	1.91E+000	3.53E+000
AC-228	1.30E+000	3.38E-001	6.93E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-8.18E+000	3.88E+001	6.58E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-5.47E-001	3.30E+000	5.76E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-8.97E-002	3.82E-001	6.35E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.04E+001	2.12E+001	4.85E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.12E-001	1.76E+000	3.04E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.04E+002	3.52E+002	6.81E+002
U-235	NOT FOUND/DATA for	185.71 keV		-1.49E-002	1.17E-001	2.15E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.12E-001	1.76E+000	3.04E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.27E-001	6.06E-001	1.20E+000

Uncertainty reported at 2.0 sigma

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-010-00'
Sample ID: 137898001
Matrix: Soil
Collect Date: 04-MAY-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.01	+/-0.226	0.131	0.800	pCi/g		AKB 06/24/05	1223	431524	1
Americium-241	U	-0.0195	+/-0.135	0.210	0.200	pCi/g					
Antimony-124	U	0.0308	+/-0.0695	0.140	0.100	pCi/g					
Antimony-125	U	0.0274	+/-0.0548	0.101	0.200	pCi/g					
Barium-133	U	-0.0102	+/-0.0294	0.0431	0.100	pCi/g					
Barium-140	U	1.14	+/-1.11	2.00	0.500	pCi/g					
Beryllium-7	U	0.0367	+/-0.301	0.543	0.700	pCi/g					
Bismuth-212		0.750	+/-0.287	0.274	0.500	pCi/g					
Bismuth-214		0.874	+/-0.135	0.0706	0.200	pCi/g					
Cerium-139	U	-0.00638	+/-0.020	0.035	0.050	pCi/g					
Cerium-141	U	0.0357	+/-0.0887	0.136	0.100	pCi/g					
Cerium-144	U	0.00867	+/-0.128	0.230	0.500	pCi/g					
Cesium-134	U	0.0333	+/-0.0248	0.0466	0.100	pCi/g					
Cesium-136	U	-0.16	+/-0.403	0.704	0.300	pCi/g					
Cesium-137		0.511	+/-0.0639	0.043	0.100	pCi/g					
Chromium-51	U	0.0502	+/-0.546	0.938	0.600	pCi/g					
Cobalt-56	U	-0.00999	+/-0.0319	0.0538	0.100	pCi/g					
Cobalt-57	U	0.00387	+/-0.0152	0.0277	0.050	pCi/g					
Cobalt-58	U	-0.0399	+/-0.0327	0.0501	0.100	pCi/g					
Cobalt-60	U	0.00901	+/-0.0233	0.0436	0.100	pCi/g					
Europium-152	U	0.0282	+/-0.0593	0.103	0.200	pCi/g					
Europium-154	U	-0.0208	+/-0.0747	0.129	0.500	pCi/g					
Europium-155	U	0.0484	+/-0.0609	0.114	0.500	pCi/g					
Iridium-192	U	-0.00511	+/-0.0296	0.0501	0.100	pCi/g					
Iron-59	U	0.0646	+/-0.0936	0.177	0.300	pCi/g					
Lead-210	U	0.758	+/-5.00	8.03	4.00	pCi/g					
Lead-212		1.04	+/-0.118	0.0577	0.100	pCi/g					
Lead-214		0.879	+/-0.123	0.0672	0.100	pCi/g					
Manganese-54	U	0.0211	+/-0.0264	0.048	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.0548	0.0701	0.100	pCi/g					
Neodymium-147	U	0.00739	+/-3.02	5.41	1000	pCi/g					
Neptunium-239	U	0.00744	+/-0.103	0.186	2.00	pCi/g					
Niobium-94	U	0.0117	+/-0.0195	0.0356	1.00	pCi/g					
Niobium-95	U	0.065	+/-0.0668	0.111	0.050	pCi/g					
Potassium-40		13.3	+/-1.35	0.378	1.00	pCi/g					
Promethium-144	U	0.0152	+/-0.0233	0.0424	0.080	pCi/g					
Promethium-146	U	0.019	+/-0.0251	0.047	1.00	pCi/g					
Radium-228		1.01	+/-0.226	0.131	0.500	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-010-00'
Sample ID: 137898001
Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0402	+/-0.213	0.379	0.800	pCi/g					
Silver-110m	U	-0.00372	+/-0.0257	0.0391	0.080	pCi/g					
Sodium-22	U	-0.00749	+/-0.0272	0.0472	0.080	pCi/g					
Thallium-208		0.336	+/-0.0588	0.0393	0.080	pCi/g					
Thorium-230		0.874	+/-0.135	0.0706	1.00	pCi/g					
Thorium-234	U	0.304	+/-1.26	1.67	2.00	pCi/g					
Tin-113	U	-0.0113	+/-0.0348	0.0574	0.100	pCi/g					
Uranium-235	U	0.0654	+/-0.162	0.217	0.500	pCi/g					
Uranium-238	U	0.304	+/-1.26	1.67	1.00	pCi/g					
Yttrium-88	U	0.0131	+/-0.0244	0.0505	0.100	pCi/g					
Zinc-65	U	0.0779	+/-0.0653	0.0955	0.300	pCi/g					
Zirconium-95	U	0.00285	+/-0.062	0.109	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1153	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-010-00'
Sample ID: 137898001

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-013-00'
Sample ID: 137898002
Matrix: Soil
Collect Date: 04-MAY-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.18	+/-0.233	0.158	0.800	pCi/g		AKB 06/24/05	1224	431524	1
Americium-241	U	-0.109	+/-0.149	0.226	0.200	pCi/g					
Antimony-124	U	0.0473	+/-0.0808	0.159	0.100	pCi/g					
Antimony-125	U	-0.0088	+/-0.0615	0.107	0.200	pCi/g					
Barium-133	U	0.0172	+/-0.0306	0.0494	0.100	pCi/g					
Barium-140	U	0.218	+/-1.18	2.07	0.500	pCi/g					
Beryllium-7	U	0.071	+/-0.341	0.536	0.700	pCi/g					
Bismuth-212		0.753	+/-0.341	0.324	0.500	pCi/g					
Bismuth-214		0.790	+/-0.139	0.0725	0.200	pCi/g					
Cerium-139	U	0.00861	+/-0.022	0.0378	0.050	pCi/g					
Cerium-141	U	0.0144	+/-0.0795	0.129	0.100	pCi/g					
Cerium-144	U	0.0215	+/-0.141	0.217	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0463	0.0569	0.100	pCi/g					
Cesium-136	U	-0.174	+/-0.444	0.769	0.300	pCi/g					
Cesium-137		0.483	+/-0.073	0.0423	0.100	pCi/g					
Chromium-51	U	0.0449	+/-0.556	0.924	0.600	pCi/g					
Cobalt-56	U	-0.00325	+/-0.034	0.0577	0.100	pCi/g					
Cobalt-57	U	-0.0178	+/-0.0166	0.027	0.050	pCi/g					
Cobalt-58	U	-0.00178	+/-0.0336	0.0576	0.100	pCi/g					
Cobalt-60	U	0.0092	+/-0.0243	0.0455	0.100	pCi/g					
Europium-152	U	-0.0282	+/-0.0576	0.0992	0.200	pCi/g					
Europium-154	U	-0.0458	+/-0.0769	0.129	0.500	pCi/g					
Europium-155	U	-0.00837	+/-0.0644	0.110	0.500	pCi/g					
Iridium-192	U	0.00031	+/-0.0304	0.0502	0.100	pCi/g					
Iron-59	U	-0.00887	+/-0.104	0.184	0.300	pCi/g					
Lead-210	U	3.36	+/-5.20	8.51	4.00	pCi/g					
Lead-212		1.08	+/-0.128	0.0599	0.100	pCi/g					
Lead-214		0.954	+/-0.134	0.0811	0.100	pCi/g					
Manganese-54	U	-0.00221	+/-0.0258	0.0436	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.0752	0.0703	0.100	pCi/g					
Neodymium-147	U	-2.21	+/-3.48	5.78	1000	pCi/g					
Neptunium-239	U	0.023	+/-0.118	0.204	2.00	pCi/g					
Niobium-94	U	-0.00514	+/-0.0214	0.0361	1.00	pCi/g					
Niobium-95	U	0.00269	+/-0.074	0.111	0.050	pCi/g					
Potassium-40		15.4	+/-1.46	0.378	1.00	pCi/g					
Promethium-144	U	-0.0196	+/-0.0277	0.0385	0.080	pCi/g					
Promethium-146	U	0.000816	+/-0.0255	0.045	1.00	pCi/g					
Radium-228		1.18	+/-0.233	0.158	0.500	pCi/g					

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-013-00'
Sample ID: 137898002
Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0545	+/-0.214	0.364	0.800	pCi/g					
Silver-110m	U	0.0221	+/-0.0255	0.0422	0.080	pCi/g					
Sodium-22	U	-0.0167	+/-0.028	0.0469	0.080	pCi/g					
Thallium-208		0.334	+/-0.0715	0.039	0.080	pCi/g					
Thorium-230		0.790	+/-0.138	0.0725	1.00	pCi/g					
Thorium-234	U	0.570	+/-1.62	1.81	2.00	pCi/g					
Tin-113	U	0.00163	+/-0.0344	0.0605	0.100	pCi/g					
Uranium-235	U	0.0366	+/-0.199	0.223	0.500	pCi/g					
Uranium-238	U	0.570	+/-1.62	1.81	1.00	pCi/g					
Yttrium-88	U	0.0184	+/-0.0306	0.0623	0.100	pCi/g					
Zinc-65	U	-0.0219	+/-0.0763	0.113	0.300	pCi/g					
Zirconium-95	U	0.0356	+/-0.0715	0.127	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1153	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-013-00'
Sample ID: 137898002

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-019-00'
Sample ID: 137898003
Matrix: Soil
Collect Date: 04-MAY-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.928	+/-0.201	0.164	0.800	pCi/g		AKB 06/24/05	1225	431524	1
Americium-241	U	-0.0283	+/-0.112	0.200	0.200	pCi/g					
Antimony-124	U	0.0135	+/-0.0737	0.142	0.100	pCi/g					
Antimony-125	U	0.0364	+/-0.0667	0.121	0.200	pCi/g					
Barium-133	U	0.0191	+/-0.0342	0.0544	0.100	pCi/g					
Barium-140	U	0.233	+/-2.06	2.12	0.500	pCi/g					
Beryllium-7	U	0.307	+/-0.361	0.660	0.700	pCi/g					
Bismuth-212		0.713	+/-0.333	0.367	0.500	pCi/g					
Bismuth-214		0.795	+/-0.141	0.0844	0.200	pCi/g					
Cerium-139	U	-0.00969	+/-0.0239	0.0407	0.050	pCi/g					
Cerium-141	U	0.046	+/-0.0988	0.142	0.100	pCi/g					
Cerium-144	U	0.0141	+/-0.164	0.251	0.500	pCi/g					
Cesium-134	U	0.052	+/-0.0271	0.056	0.100	pCi/g					
Cesium-136	U	0.093	+/-0.440	0.801	0.300	pCi/g					
Cesium-137		0.534	+/-0.0801	0.0415	0.100	pCi/g					
Chromium-51	U	-0.13	+/-0.643	1.13	0.600	pCi/g					
Cobalt-56	U	-0.0156	+/-0.0346	0.0602	0.100	pCi/g					
Cobalt-57	U	0.00343	+/-0.0183	0.0323	0.050	pCi/g					
Cobalt-58	U	0.0053	+/-0.036	0.0655	0.100	pCi/g					
Cobalt-60	U	0.0399	+/-0.0446	0.0517	0.100	pCi/g					
Europium-152	U	-0.0259	+/-0.0678	0.118	0.200	pCi/g					
Europium-154	U	0.0421	+/-0.0782	0.145	0.500	pCi/g					
Europium-155	U	0.0793	+/-0.0692	0.126	0.500	pCi/g					
Iridium-192	U	0.0178	+/-0.0382	0.0608	0.100	pCi/g					
Iron-59	U	0.0376	+/-0.117	0.211	0.300	pCi/g					
Lead-210	U	2.46	+/-3.63	5.14	4.00	pCi/g					
Lead-212		0.968	+/-0.123	0.0731	0.100	pCi/g					
Lead-214		1.04	+/-0.145	0.0794	0.100	pCi/g					
Manganese-54	U	-0.000318	+/-0.0331	0.051	0.100	pCi/g					
Mercury-203	U	0.0402	+/-0.0473	0.0868	0.100	pCi/g					
Neodymium-147	U	4.24	+/-4.00	6.59	1000	pCi/g					
Neptunium-239	U	-0.0929	+/-0.143	0.212	2.00	pCi/g					
Niobium-94	U	0.013	+/-0.0232	0.0414	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-0.0859	0.115	0.050	pCi/g					
Potassium-40		13.5	+/-1.39	0.419	1.00	pCi/g					
Promethium-144	U	-0.00601	+/-0.0244	0.0415	0.080	pCi/g					
Promethium-146	U	0.0112	+/-0.0303	0.0542	1.00	pCi/g					
Radium-228		0.928	+/-0.201	0.164	0.500	pCi/g					

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Certificate of Analysis

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-019-00'
Sample ID: 137898003
Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0325	+/-0.289	0.427	0.800	pCi/g					
Silver-110m	U	0.00291	+/-0.0307	0.0463	0.080	pCi/g					
Sodium-22	U	0.0155	+/-0.0285	0.0527	0.080	pCi/g					
Thallium-208		0.369	+/-0.0639	0.0425	0.080	pCi/g					
Thorium-230		0.795	+/-0.141	0.0844	1.00	pCi/g					
Thorium-234	U	0.262	+/-1.18	1.58	2.00	pCi/g					
Tin-113	U	0.0133	+/-0.0399	0.0714	0.100	pCi/g					
Uranium-235	U	0.0842	+/-0.180	0.250	0.500	pCi/g					
Uranium-238	U	0.262	+/-1.18	1.58	1.00	pCi/g					
Yttrium-88	U	-0.0093	+/-0.0265	0.0474	0.100	pCi/g					
Zinc-65	U	-0.0338	+/-0.132	0.116	0.300	pCi/g					
Zirconium-95	U	0.009	+/-0.0688	0.125	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1153	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-019-00'
Sample ID: 137898003

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-043-00'
Sample ID: 137898004
Matrix: Soil
Collect Date: 11-MAY-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.13	+/-0.196	0.112	0.800	pCi/g		AKB 06/24/05	1349	431524	1
Americium-241	U	-0.0228	+/-0.0944	0.152	0.200	pCi/g					
Antimony-124	U	0.0128	+/-0.0517	0.100	0.100	pCi/g					
Antimony-125	U	0.0316	+/-0.0483	0.0898	0.200	pCi/g					
Barium-133	U	0.017	+/-0.0239	0.0398	0.100	pCi/g					
Barium-140	U	-0.659	+/-0.697	1.11	0.500	pCi/g					
Beryllium-7	U	0.138	+/-0.237	0.439	0.700	pCi/g					
Bismuth-212		0.663	+/-0.271	0.267	0.500	pCi/g					
Bismuth-214		0.799	+/-0.111	0.0651	0.200	pCi/g					
Cerium-139	U	-0.0128	+/-0.0182	0.0308	0.050	pCi/g					
Cerium-141	U	0.022	+/-0.0456	0.109	0.100	pCi/g					
Cerium-144	U	-0.0398	+/-0.122	0.212	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0344	0.0438	0.100	pCi/g					
Cesium-136	U	-0.0251	+/-0.259	0.467	0.300	pCi/g					
Cesium-137	U	0.00281	+/-0.0197	0.0351	0.100	pCi/g					
Chromium-51	U	0.00878	+/-0.391	0.711	0.600	pCi/g					
Cobalt-56	U	0.00763	+/-0.0265	0.0473	0.100	pCi/g					
Cobalt-57	U	0.00318	+/-0.0149	0.0265	0.050	pCi/g					
Cobalt-58	U	-0.00505	+/-0.0275	0.0473	0.100	pCi/g					
Cobalt-60	U	0.0185	+/-0.0196	0.039	0.100	pCi/g					
Europium-152	U	-0.0341	+/-0.0504	0.0883	0.200	pCi/g					
Europium-154	U	-0.0282	+/-0.0692	0.120	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.0886	0.105	0.500	pCi/g					
Iridium-192	U	-0.000699	+/-0.0231	0.0419	0.100	pCi/g					
Iron-59	U	-0.0309	+/-0.0767	0.134	0.300	pCi/g					
Lead-210	U	0.918	+/-2.26	3.81	4.00	pCi/g					
Lead-212		0.975	+/-0.102	0.0532	0.100	pCi/g					
Lead-214		0.877	+/-0.118	0.0663	0.100	pCi/g					
Manganese-54	U	0.0137	+/-0.0224	0.0405	0.100	pCi/g					
Mercury-203	U	-0.00517	+/-0.0351	0.0562	0.100	pCi/g					
Neodymium-147	U	0.335	+/-1.88	3.38	1000	pCi/g					
Neptunium-239	U	-0.0135	+/-0.104	0.184	2.00	pCi/g					
Niobium-94	U	-0.00398	+/-0.0196	0.0336	1.00	pCi/g					
Niobium-95	U	0.00238	+/-0.073	0.0768	0.050	pCi/g					
Potassium-40		18.3	+/-1.53	0.267	1.00	pCi/g					
Promethium-144	U	0.0124	+/-0.0204	0.037	0.080	pCi/g					
Promethium-146	U	0.00591	+/-0.0277	0.0415	1.00	pCi/g					
Radium-228		1.13	+/-0.196	0.112	0.500	pCi/g					

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Certificate of Analysis

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-043-00'
Sample ID: 137898004
Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.148	+/-0.229	0.319	0.800	pCi/g					
Silver-110m	U	-0.000212	+/-0.0189	0.0333	0.080	pCi/g					
Sodium-22	U	-0.0103	+/-0.0251	0.0435	0.080	pCi/g					
Thallium-208		0.316	+/-0.0493	0.034	0.080	pCi/g					
Thorium-230		0.799	+/-0.111	0.0651	1.00	pCi/g					
Thorium-234	U	0.689	+/-1.05	1.30	2.00	pCi/g					
Tin-113	U	0.0136	+/-0.027	0.050	0.100	pCi/g					
Uranium-235	U	0.0548	+/-0.112	0.213	0.500	pCi/g					
Uranium-238	U	0.689	+/-1.05	1.30	1.00	pCi/g					
Yttrium-88	U	-0.0145	+/-0.0232	0.0383	0.100	pCi/g					
Zinc-65	U	0.0824	+/-0.067	0.115	0.300	pCi/g					
Zirconium-95	U	0.00988	+/-0.0527	0.0933	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1153	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-043-00'
Sample ID: 137898004
Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-062-00'
Sample ID: 137898005
Matrix: Soil
Collect Date: 11-MAY-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.02	+/-0.228	0.157	0.800	pCi/g		AKB	06/24/05	1350	431524 1
Americium-241	U	0.00697	+/-0.0883	0.150	0.200	pCi/g					
Antimony-124	U	0.00108	+/-0.0688	0.124	0.100	pCi/g					
Antimony-125	U	0.0187	+/-0.057	0.0906	0.200	pCi/g					
Barium-133	U	0.00588	+/-0.0282	0.0447	0.100	pCi/g					
Barium-140	U	0.415	+/-0.650	1.16	0.500	pCi/g					
Beryllium-7	U	-0.149	+/-0.275	0.464	0.700	pCi/g					
Bismuth-212		0.751	+/-0.322	0.292	0.500	pCi/g					
Bismuth-214		0.777	+/-0.128	0.0633	0.200	pCi/g					
Cerium-139	U	0.00733	+/-0.0194	0.032	0.050	pCi/g					
Cerium-141	U	0.0411	+/-0.062	0.112	0.100	pCi/g					
Cerium-144	U	0.0104	+/-0.130	0.207	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0396	0.0526	0.100	pCi/g					
Cesium-136	U	0.209	+/-0.281	0.521	0.300	pCi/g					
Cesium-137	U	-0.00505	+/-0.0215	0.0381	0.100	pCi/g					
Chromium-51	U	-0.0674	+/-0.412	0.735	0.600	pCi/g					
Cobalt-56	U	0.00485	+/-0.0307	0.0548	0.100	pCi/g					
Cobalt-57	U	-0.0105	+/-0.0143	0.0249	0.050	pCi/g					
Cobalt-58	U	-0.0203	+/-0.0347	0.0499	0.100	pCi/g					
Cobalt-60	U	0.00146	+/-0.0233	0.0421	0.100	pCi/g					
Europium-152	U	0.0523	+/-0.0535	0.0905	0.200	pCi/g					
Europium-154	U	0.0267	+/-0.0743	0.136	0.500	pCi/g					
Europium-155	U	0.0169	+/-0.0582	0.106	0.500	pCi/g					
Iridium-192	U	0.00982	+/-0.0243	0.0445	0.100	pCi/g					
Iron-59	U	0.0651	+/-0.0855	0.162	0.300	pCi/g					
Lead-210	U	1.71	+/-2.35	3.86	4.00	pCi/g					
Lead-212		0.901	+/-0.100	0.0533	0.100	pCi/g					
Lead-214		0.848	+/-0.124	0.0628	0.100	pCi/g					
Manganese-54	U	-0.00435	+/-0.0236	0.041	0.100	pCi/g					
Mercury-203	U	0.00871	+/-0.0348	0.0636	0.100	pCi/g					
Neodymium-147	U	-0.167	+/-1.88	3.25	1000	pCi/g					
Neptunium-239	U	-0.0197	+/-0.0989	0.177	2.00	pCi/g					
Niobium-94	U	0.0116	+/-0.0238	0.0382	1.00	pCi/g					
Niobium-95	U	0.0172	+/-0.0581	0.0917	0.050	pCi/g					
Potassium-40		16.2	+/-1.42	0.351	1.00	pCi/g					
Promethium-144	U	0.00294	+/-0.0213	0.0384	0.080	pCi/g					
Promethium-146	U	0.016	+/-0.0253	0.0458	1.00	pCi/g					
Radium-228		1.02	+/-0.228	0.157	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-062-00'
Sample ID: 137898005
Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0583	+/-0.182	0.337	0.800	pCi/g					
Silver-110m	U	-0.00965	+/-0.0204	0.0357	0.080	pCi/g					
Sodium-22	U	0.00989	+/-0.027	0.0495	0.080	pCi/g					
Thallium-208		0.336	+/-0.0659	0.0369	0.080	pCi/g					
Thorium-230		0.777	+/-0.128	0.0633	1.00	pCi/g					
Thorium-234	U	1.04	+/-0.956	1.17	2.00	pCi/g					
Tin-113	U	0.00951	+/-0.0303	0.0545	0.100	pCi/g					
Uranium-235	U	-0.00396	+/-0.112	0.198	0.500	pCi/g					
Uranium-238	U	1.04	+/-0.956	1.17	1.00	pCi/g					
Yttrium-88	U	0.00561	+/-0.0249	0.0481	0.100	pCi/g					
Zinc-65	U	-0.025	+/-0.0707	0.105	0.300	pCi/g					
Zirconium-95	U	0.0608	+/-0.0751	0.110	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1153	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-062-00'
Sample ID: 137898005
Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-098-00'
Sample ID: 137898006
Matrix: Soil
Collect Date: 12-MAY-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.08	+/-0.276	0.173	0.800	pCi/g		AKB 06/24/05	1350	431524	1
Americium-241	U	0.0233	+/-0.0675	0.111	0.200	pCi/g					
Antimony-124	U	-0.0233	+/-0.0736	0.136	0.100	pCi/g					
Antimony-125	U	-0.0198	+/-0.0713	0.125	0.200	pCi/g					
Barium-133	U	-0.00377	+/-0.035	0.055	0.100	pCi/g					
Barium-140	U	-0.893	+/-0.947	1.48	0.500	pCi/g					
Beryllium-7	U	0.052	+/-0.355	0.637	0.700	pCi/g					
Bismuth-212		0.655	+/-0.382	0.439	0.500	pCi/g					
Bismuth-214		0.742	+/-0.145	0.0884	0.200	pCi/g					
Cerium-139	U	-0.0105	+/-0.0249	0.0424	0.050	pCi/g					
Cerium-141	U	0.0155	+/-0.0805	0.134	0.100	pCi/g					
Cerium-144	U	-0.0281	+/-0.151	0.263	0.500	pCi/g					
Cesium-134	U	0.0597	+/-0.0331	0.0626	0.100	pCi/g					
Cesium-136	U	-0.135	+/-0.358	0.626	0.300	pCi/g					
Cesium-137	U	0.0339	+/-0.0542	0.052	0.100	pCi/g					
Chromium-51	U	0.153	+/-0.538	0.986	0.600	pCi/g					
Cobalt-56	UUI	0.00	+/-0.0667	0.0661	0.100	pCi/g					
Cobalt-57	U	-0.0163	+/-0.0189	0.0322	0.050	pCi/g					
Cobalt-58	U	-0.00659	+/-0.0394	0.0714	0.100	pCi/g					
Cobalt-60	U	-0.0148	+/-0.0329	0.0562	0.100	pCi/g					
Europium-152	U	-0.00347	+/-0.069	0.124	0.200	pCi/g					
Europium-154	U	0.0637	+/-0.0961	0.165	0.500	pCi/g					
Europium-155	U	0.0143	+/-0.0722	0.129	0.500	pCi/g					
Iridium-192	U	-0.00567	+/-0.0324	0.0582	0.100	pCi/g					
Iron-59	U	-0.00834	+/-0.103	0.185	0.300	pCi/g					
Lead-210	U	1.15	+/-0.899	1.20	4.00	pCi/g					
Lead-212		0.875	+/-0.104	0.0781	0.100	pCi/g					
Lead-214		0.753	+/-0.134	0.0896	0.100	pCi/g					
Manganese-54	U	0.00723	+/-0.0305	0.0566	0.100	pCi/g					
Mercury-203	U	0.0655	+/-0.0743	0.0785	0.100	pCi/g					
Neodymium-147	U	0.629	+/-2.69	4.81	1000	pCi/g					
Neptunium-239	U	-0.092	+/-0.136	0.233	2.00	pCi/g					
Niobium-94	U	0.0084	+/-0.0275	0.0488	1.00	pCi/g					
Niobium-95	U	0.0348	+/-0.0687	0.116	0.050	pCi/g					
Potassium-40		14.5	+/-1.45	0.558	1.00	pCi/g					
Promethium-144	U	-0.00277	+/-0.0319	0.0549	0.080	pCi/g					
Promethium-146	U	-0.00158	+/-0.0326	0.0579	1.00	pCi/g					
Radium-228		1.08	+/-0.276	0.173	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-098-00' Project: MCTC00402
Sample ID: 137898006 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.121	+/-0.256	0.465	0.800	pCi/g					
Silver-110m	U	0.00986	+/-0.0353	0.0553	0.080	pCi/g					
Sodium-22	U	0.0225	+/-0.0348	0.0595	0.080	pCi/g					
Thallium-208		0.340	+/-0.0633	0.0526	0.080	pCi/g					
Thorium-230		0.742	+/-0.145	0.0884	1.00	pCi/g					
Thorium-234		1.70	+/-1.03	0.990	2.00	pCi/g					
Tin-113	U	-0.0128	+/-0.0389	0.0684	0.100	pCi/g					
Uranium-235	U	0.0354	+/-0.183	0.269	0.500	pCi/g					
Uranium-238		1.70	+/-1.03	0.990	1.00	pCi/g					
Yttrium-88	U	0.0207	+/-0.0354	0.0726	0.100	pCi/g					
Zinc-65	U	-0.011	+/-0.0893	0.136	0.300	pCi/g					
Zirconium-95	U	0.0302	+/-0.0722	0.137	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1153	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-098-00'
Sample ID: 137898006

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-134-00'
Sample ID: 137898007
Matrix: Soil
Collect Date: 19-MAY-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid (Standard List)												
Actinium-228		0.942	+/-0.193	0.117	0.800	pCi/g		AKB	06/24/05	1444	431524	1
Americium-241	U	-0.0501	+/-0.095	0.155	0.200	pCi/g						
Antimony-124	U	-0.000318	+/-0.0545	0.0879	0.100	pCi/g						
Antimony-125	U	-0.00326	+/-0.0484	0.0847	0.200	pCi/g						
Barium-133	U	-0.00488	+/-0.0245	0.0383	0.100	pCi/g						
Barium-140	U	-0.163	+/-0.417	0.749	0.500	pCi/g						
Beryllium-7	U	-0.0629	+/-0.208	0.384	0.700	pCi/g						
Bismuth-212		0.694	+/-0.253	0.259	0.500	pCi/g						
Bismuth-214		0.748	+/-0.105	0.0596	0.200	pCi/g						
Cerium-139	U	0.0173	+/-0.0212	0.0304	0.050	pCi/g						
Cerium-141	U	0.0185	+/-0.0487	0.0932	0.100	pCi/g						
Cerium-144	U	-0.0301	+/-0.104	0.197	0.500	pCi/g						
Cesium-134	UUI	0.00	+/-0.029	0.0441	0.100	pCi/g						
Cesium-136	U	0.191	+/-0.181	0.343	0.300	pCi/g						
Cesium-137		0.0418	+/-0.0257	0.034	0.100	pCi/g						
Chromium-51	U	0.0414	+/-0.330	0.595	0.600	pCi/g						
Cobalt-56	U	-0.0134	+/-0.0243	0.0416	0.100	pCi/g						
Cobalt-57	U	0.00147	+/-0.0129	0.0249	0.050	pCi/g						
Cobalt-58	U	0.015	+/-0.0247	0.0465	0.100	pCi/g						
Cobalt-60	U	0.00276	+/-0.0177	0.0334	0.100	pCi/g						
Europium-152	U	-0.0408	+/-0.0517	0.0882	0.200	pCi/g						
Europium-154	U	-0.0231	+/-0.0655	0.116	0.500	pCi/g						
Europium-155	U	-0.0125	+/-0.0526	0.101	0.500	pCi/g						
Iridium-192	U	0.0191	+/-0.0221	0.0412	0.100	pCi/g						
Iron-59	U	-0.0521	+/-0.0593	0.102	0.300	pCi/g						
Lead-210	U	-1.48	+/-2.50	4.16	4.00	pCi/g						
Lead-212		0.917	+/-0.0913	0.0513	0.100	pCi/g						
Lead-214		0.767	+/-0.112	0.0639	0.100	pCi/g						
Manganese-54	UUI	0.00	+/-0.0331	0.0328	0.100	pCi/g						
Mercury-203	UUI	0.00	+/-0.050	0.0521	0.100	pCi/g						
Neodymium-147	U	-0.175	+/-1.07	1.97	1000	pCi/g						
Neptunium-239	U	0.0357	+/-0.0896	0.175	2.00	pCi/g						
Niobium-94	U	0.0115	+/-0.017	0.0322	1.00	pCi/g						
Niobium-95	U	0.0275	+/-0.0412	0.0692	0.050	pCi/g						
Potassium-40		15.5	+/-1.29	0.325	1.00	pCi/g						
Promethium-144	U	-0.00312	+/-0.0171	0.0308	0.080	pCi/g						
Promethium-146	U	0.0121	+/-0.0215	0.0415	1.00	pCi/g						
Radium-228		0.942	+/-0.193	0.117	0.500	pCi/g						

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-134-00'
Sample ID: 137898007
Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.172	+/-0.160	0.299	0.800	pCi/g					
Silver-110m	U	0.00935	+/-0.0205	0.0344	0.080	pCi/g					
Sodium-22	U	-0.0021	+/-0.0232	0.042	0.080	pCi/g					
Thallium-208		0.269	+/-0.0495	0.0343	0.080	pCi/g					
Thorium-230		0.748	+/-0.105	0.0596	1.00	pCi/g					
Thorium-234	U	0.194	+/-1.18	1.30	2.00	pCi/g					
Tin-113	U	-0.0272	+/-0.0268	0.0444	0.100	pCi/g					
Uranium-235	U	0.00574	+/-0.102	0.194	0.500	pCi/g					
Uranium-238	U	0.194	+/-1.18	1.30	1.00	pCi/g					
Yttrium-88	U	0.0135	+/-0.021	0.0391	0.100	pCi/g					
Zinc-65	U	-0.0226	+/-0.0507	0.0774	0.300	pCi/g					
Zirconium-95	U	-0.0556	+/-0.049	0.0807	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TCI	06/06/05	1153	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-17-134-00'
Sample ID: 137898007

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-028-00'
Sample ID: 137898008
Matrix: Soil
Collect Date: 11-MAY-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.835	+/-0.165	0.113	0.800	pCi/g		AKB 06/24/05	1444	431524	1
Americium-241	U	0.0291	+/-0.0794	0.142	0.200	pCi/g					
Antimony-124	U	0.0168	+/-0.0454	0.0901	0.100	pCi/g					
Antimony-125	U	0.00707	+/-0.0409	0.0767	0.200	pCi/g					
Barium-133	U	0.00163	+/-0.0234	0.0364	0.100	pCi/g					
Barium-140	U	-0.42	+/-0.564	0.982	0.500	pCi/g					
Beryllium-7	U	0.0791	+/-0.211	0.397	0.700	pCi/g					
Bismuth-212		0.518	+/-0.284	0.235	0.500	pCi/g					
Bismuth-214		0.661	+/-0.0749	0.0562	0.200	pCi/g					
Cerium-139	U	-0.0148	+/-0.0155	0.0275	0.050	pCi/g					
Cerium-141	U	0.0353	+/-0.0527	0.0996	0.100	pCi/g					
Cerium-144	U	0.0212	+/-0.0996	0.187	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0332	0.0432	0.100	pCi/g					
Cesium-136	U	0.0667	+/-0.237	0.444	0.300	pCi/g					
Cesium-137		0.0366	+/-0.0245	0.0282	0.100	pCi/g					
Chromium-51	U	-0.103	+/-0.383	0.663	0.600	pCi/g					
Cobalt-56	U	0.0168	+/-0.024	0.0448	0.100	pCi/g					
Cobalt-57	U	-0.0056	+/-0.012	0.0221	0.050	pCi/g					
Cobalt-58	U	-0.00486	+/-0.0238	0.0416	0.100	pCi/g					
Cobalt-60	U	0.00908	+/-0.0191	0.0363	0.100	pCi/g					
Europium-152	U	-0.021	+/-0.0432	0.0736	0.200	pCi/g					
Europium-154	U	0.0273	+/-0.0619	0.115	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.0735	0.0873	0.500	pCi/g					
Iridium-192	U	-0.0036	+/-0.0223	0.0389	0.100	pCi/g					
Iron-59	U	-0.0499	+/-0.066	0.113	0.300	pCi/g					
Lead-210	U	2.01	+/-2.56	3.82	4.00	pCi/g					
Lead-212		0.925	+/-0.0569	0.0469	0.100	pCi/g					
Lead-214		0.737	+/-0.0724	0.0606	0.100	pCi/g					
Manganese-54	U	0.0225	+/-0.0231	0.0327	0.100	pCi/g					
Mercury-203	U	0.0353	+/-0.0324	0.048	0.100	pCi/g					
Neodymium-147	U	1.13	+/-1.70	3.22	1000	pCi/g					
Neptunium-239	U	0.0297	+/-0.0846	0.161	2.00	pCi/g					
Niobium-94	U	0.00108	+/-0.0158	0.0284	1.00	pCi/g					
Niobium-95	U	0.0196	+/-0.046	0.0744	0.050	pCi/g					
Potassium-40		15.1	+/-0.873	0.316	1.00	pCi/g					
Promethium-144	U	-0.0144	+/-0.0169	0.0283	0.080	pCi/g					
Promethium-146	U	0.0121	+/-0.0202	0.0385	1.00	pCi/g					
Radium-228		0.835	+/-0.165	0.113	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-028-00'
Sample ID: 137898008

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0224	+/-0.156	0.285	0.800	pCi/g					
Silver-110m	U	-0.0224	+/-0.0174	0.0285	0.080	pCi/g					
Sodium-22	U	0.0101	+/-0.0225	0.042	0.080	pCi/g					
Thallium-208		0.271	+/-0.045	0.030	0.080	pCi/g					
Thorium-230		0.661	+/-0.0749	0.0562	1.00	pCi/g					
Thorium-234	U	0.728	+/-0.865	1.15	2.00	pCi/g					
Tin-113	U	0.00862	+/-0.0256	0.0433	0.100	pCi/g					
Uranium-235	U	0.0272	+/-0.0947	0.177	0.500	pCi/g					
Uranium-238	U	0.728	+/-0.865	1.15	1.00	pCi/g					
Yttrium-88	U	0.0106	+/-0.0193	0.0398	0.100	pCi/g					
Zinc-65	U	-0.103	+/-0.0508	0.0782	0.300	pCi/g					
Zirconium-95	U	0.0183	+/-0.0485	0.0885	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1153	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-028-00'
Sample ID: 137898008
Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-050-00'
Sample ID: 137898009
Matrix: Soil
Collect Date: 18-MAY-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.826	+/-0.170	0.135	0.800	pCi/g		AKB 06/24/05	1445	431524	1
Americium-241	U	0.0153	+/-0.0284	0.0535	0.200	pCi/g					
Antimony-124	U	0.0212	+/-0.0566	0.103	0.100	pCi/g					
Antimony-125	U	-0.00723	+/-0.0504	0.0891	0.200	pCi/g					
Barium-133	U	0.00743	+/-0.022	0.0368	0.100	pCi/g					
Barium-140	U	0.197	+/-0.455	0.820	0.500	pCi/g					
Beryllium-7	U	-0.00204	+/-0.231	0.409	0.700	pCi/g					
Bismuth-212		0.627	+/-0.301	0.265	0.500	pCi/g					
Bismuth-214		0.661	+/-0.107	0.0641	0.200	pCi/g					
Cerium-139	U	0.0241	+/-0.020	0.0288	0.050	pCi/g					
Cerium-141	U	0.0272	+/-0.0528	0.0783	0.100	pCi/g					
Cerium-144	U	-0.0138	+/-0.0966	0.168	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0386	0.0519	0.100	pCi/g					
Cesium-136	U	-0.0136	+/-0.190	0.339	0.300	pCi/g					
Cesium-137	UUI	0.00	+/-0.0589	0.0354	0.100	pCi/g					
Chromium-51	U	-0.0265	+/-0.295	0.538	0.600	pCi/g					
Cobalt-56	U	-0.00866	+/-0.0266	0.0473	0.100	pCi/g					
Cobalt-57	U	0.00781	+/-0.0118	0.0214	0.050	pCi/g					
Cobalt-58	U	0.0229	+/-0.0282	0.0544	0.100	pCi/g					
Cobalt-60	U	-0.012	+/-0.0233	0.0412	0.100	pCi/g					
Europium-152	U	-0.0242	+/-0.0451	0.0795	0.200	pCi/g					
Europium-154	U	-0.0509	+/-0.0745	0.121	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.072	0.0748	0.500	pCi/g					
Iridium-192	U	-0.0012	+/-0.0197	0.036	0.100	pCi/g					
Iron-59	U	-0.0142	+/-0.0795	0.139	0.300	pCi/g					
Lead-210		1.02	+/-0.503	0.409	4.00	pCi/g					
Lead-212		0.786	+/-0.084	0.0504	0.100	pCi/g					
Lead-214		0.759	+/-0.109	0.059	0.100	pCi/g					
Manganese-54	U	0.025	+/-0.0218	0.0429	0.100	pCi/g					
Mercury-203	U	0.0354	+/-0.0361	0.045	0.100	pCi/g					
Neodymium-147	U	-0.0947	+/-1.25	2.18	1000	pCi/g					
Neptunium-239	U	-0.0309	+/-0.0812	0.142	2.00	pCi/g					
Niobium-94	U	0.0067	+/-0.0178	0.0336	1.00	pCi/g					
Niobium-95	U	0.00174	+/-0.046	0.0744	0.050	pCi/g					
Potassium-40		14.2	+/-1.25	0.349	1.00	pCi/g					
Promethium-144	U	0.00268	+/-0.0217	0.0401	0.080	pCi/g					
Promethium-146	U	-0.00439	+/-0.0233	0.0409	1.00	pCi/g					
Radium-228		0.826	+/-0.170	0.135	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-050-00'
Sample ID: 137898009

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.00934	+/-0.185	0.344	0.800	pCi/g					
Silver-110m	U	0.000546	+/-0.0213	0.0352	0.080	pCi/g					
Sodium-22	U	-0.0188	+/-0.0269	0.0438	0.080	pCi/g					
Thallium-208		0.248	+/-0.0474	0.0314	0.080	pCi/g					
Thorium-230		0.661	+/-0.107	0.0641	1.00	pCi/g					
Thorium-234	U	0.485	+/-0.502	0.500	2.00	pCi/g					
Tin-113	U	-0.0194	+/-0.0253	0.0433	0.100	pCi/g					
Uranium-235	U	0.0798	+/-0.151	0.183	0.500	pCi/g					
Uranium-238	U	0.485	+/-0.502	0.500	1.00	pCi/g					
Yttrium-88	U	0.000641	+/-0.0224	0.0427	0.100	pCi/g					
Zinc-65	U	0.0225	+/-0.0551	0.0907	0.300	pCi/g					
Zirconium-95	U	-0.0192	+/-0.0514	0.0917	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1153	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-050-00'
Sample ID: 137898009

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-054-00'
Sample ID: 137898010
Matrix: Soil
Collect Date: 18-MAY-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.877	+/-0.285	0.142	0.800	pCi/g		AKB 06/28/05	1631	431524	1
Americium-241	U	-0.000397	+/-0.154	0.259	0.200	pCi/g					
Antimony-124	U	-0.0299	+/-0.0593	0.108	0.100	pCi/g					
Antimony-125	U	-0.0218	+/-0.0615	0.114	0.200	pCi/g					
Barium-133	U	-0.0117	+/-0.0321	0.0553	0.100	pCi/g					
Barium-140	U	-0.35	+/-0.694	1.22	0.500	pCi/g					
Beryllium-7	U	-0.0344	+/-0.292	0.545	0.700	pCi/g					
Bismuth-212		0.463	+/-0.286	0.353	0.500	pCi/g					
Bismuth-214		0.662	+/-0.135	0.0892	0.200	pCi/g					
Cerium-139	U	0.00593	+/-0.0225	0.0427	0.050	pCi/g					
Cerium-141	U	-0.0104	+/-0.071	0.133	0.100	pCi/g					
Cerium-144	U	-0.128	+/-0.145	0.262	0.500	pCi/g					
Cesium-134	U	0.0547	+/-0.0362	0.0646	0.100	pCi/g					
Cesium-136	UUI	0.00	+/-0.621	0.505	0.300	pCi/g					
Cesium-137	U	0.000242	+/-0.0261	0.0479	0.100	pCi/g					
Chromium-51	U	-0.0709	+/-0.472	0.839	0.600	pCi/g					
Cobalt-56	U	-0.0167	+/-0.0358	0.0611	0.100	pCi/g					
Cobalt-57	U	0.0152	+/-0.0179	0.0356	0.050	pCi/g					
Cobalt-58	U	0.0164	+/-0.0354	0.0702	0.100	pCi/g					
Cobalt-60	U	0.0146	+/-0.0394	0.0578	0.100	pCi/g					
Europium-152	U	-0.0122	+/-0.0703	0.124	0.200	pCi/g					
Europium-154	U	0.0288	+/-0.0803	0.156	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.136	0.133	0.500	pCi/g					
Iridium-192	U	0.020	+/-0.0315	0.0589	0.100	pCi/g					
Iron-59	U	-0.0832	+/-0.0899	0.150	0.300	pCi/g					
Lead-210	U	2.38	+/-5.71	10.1	4.00	pCi/g					
Lead-212		0.813	+/-0.106	0.0728	0.100	pCi/g					
Lead-214		0.820	+/-0.125	0.0817	0.100	pCi/g					
Manganese-54	U	0.0139	+/-0.0286	0.0538	0.100	pCi/g					
Mercury-203	U	0.0494	+/-0.0506	0.0735	0.100	pCi/g					
Neodymium-147	U	-1.04	+/-1.88	3.34	1000	pCi/g					
Neptunium-239	U	-0.104	+/-0.119	0.218	2.00	pCi/g					
Niobium-94	U	-0.000101	+/-0.023	0.0419	1.00	pCi/g					
Niobium-95	U	-0.0406	+/-0.103	0.105	0.050	pCi/g					
Potassium-40		15.9	+/-1.63	0.401	1.00	pCi/g					
Promethium-144	U	0.016	+/-0.0408	0.0479	0.080	pCi/g					
Promethium-146	U	-0.00384	+/-0.0278	0.0519	1.00	pCi/g					
Radium-228		0.877	+/-0.285	0.142	0.500	pCi/g					

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Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-054-00'
Sample ID: 137898010

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0924	+/-0.201	0.392	0.800	pCi/g					
Silver-110m	U	-0.014	+/-0.0271	0.0471	0.080	pCi/g					
Sodium-22	U	0.0105	+/-0.0291	0.0566	0.080	pCi/g					
Thallium-208		0.319	+/-0.0558	0.0441	0.080	pCi/g					
Thorium-230		0.662	+/-0.135	0.0892	1.00	pCi/g					
Thorium-234	U	0.922	+/-1.63	2.23	2.00	pCi/g					
Tin-113	U	-0.0128	+/-0.0348	0.0598	0.100	pCi/g					
Uranium-235	U	0.138	+/-0.142	0.276	0.500	pCi/g					
Uranium-238	U	0.922	+/-1.63	2.23	1.00	pCi/g					
Yttrium-88	U	-0.00165	+/-0.0265	0.0526	0.100	pCi/g					
Zinc-65	U	-0.00756	+/-0.0747	0.119	0.300	pCi/g					
Zirconium-95	U	-0.0164	+/-0.0676	0.120	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1153	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-054-00'
Sample ID: 137898010

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-75-00'
Sample ID: 137898011
Matrix: Soil
Collect Date: 23-MAY-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.931	+/-0.160	0.105	0.800	pCi/g		AKB	06/24/05 1536	431524	1
Americium-241	U	0.0249	+/-0.130	0.228	0.200	pCi/g					
Antimony-124	U	-0.00119	+/-0.0411	0.0769	0.100	pCi/g					
Antimony-125	U	0.0125	+/-0.0423	0.0797	0.200	pCi/g					
Barium-133	U	0.00216	+/-0.0242	0.0377	0.100	pCi/g					
Barium-140	U	0.246	+/-0.317	0.604	0.500	pCi/g					
Beryllium-7	U	0.142	+/-0.255	0.349	0.700	pCi/g					
Bismuth-212		0.605	+/-0.240	0.231	0.500	pCi/g					
Bismuth-214		0.621	+/-0.0948	0.0618	0.200	pCi/g					
Cerium-139	U	-0.0011	+/-0.016	0.029	0.050	pCi/g					
Cerium-141	U	0.0197	+/-0.0426	0.080	0.100	pCi/g					
Cerium-144	U	-0.0405	+/-0.0992	0.180	0.500	pCi/g					
Cesium-134	U	0.0319	+/-0.022	0.0426	0.100	pCi/g					
Cesium-136	U	0.0885	+/-0.120	0.225	0.300	pCi/g					
Cesium-137	U	0.0223	+/-0.0197	0.0376	0.100	pCi/g					
Chromium-51	U	0.049	+/-0.291	0.514	0.600	pCi/g					
Cobalt-56	U	-0.00304	+/-0.0211	0.037	0.100	pCi/g					
Cobalt-57	U	0.00764	+/-0.0127	0.0241	0.050	pCi/g					
Cobalt-58	U	0.00648	+/-0.0218	0.0398	0.100	pCi/g					
Cobalt-60	U	-0.000142	+/-0.0174	0.0321	0.100	pCi/g					
Europium-152	U	-0.0496	+/-0.0491	0.0805	0.200	pCi/g					
Europium-154	U	0.0246	+/-0.0553	0.105	0.500	pCi/g					
Europium-155	U	0.0488	+/-0.0533	0.103	0.500	pCi/g					
Iridium-192	U	0.00536	+/-0.0203	0.0361	0.100	pCi/g					
Iron-59	U	-0.02	+/-0.0583	0.104	0.300	pCi/g					
Lead-210	U	-1.03	+/-6.07	9.77	4.00	pCi/g					
Lead-212		0.843	+/-0.0585	0.0513	0.100	pCi/g					
Lead-214		0.787	+/-0.0863	0.0613	0.100	pCi/g					
Manganese-54	U	0.0224	+/-0.0179	0.0305	0.100	pCi/g					
Mercury-203	U	0.024	+/-0.0455	0.0452	0.100	pCi/g					
Neodymium-147	U	0.418	+/-0.753	1.43	1000	pCi/g					
Neptunium-239	U	0.112	+/-0.0907	0.176	2.00	pCi/g					
Niobium-94	U	0.0213	+/-0.0169	0.0326	1.00	pCi/g					
Niobium-95	U	0.0306	+/-0.0354	0.0599	0.050	pCi/g					
Potassium-40		14.8	+/-0.876	0.260	1.00	pCi/g					
Promethium-144	U	-0.021	+/-0.0168	0.0273	0.080	pCi/g					
Promethium-146	U	-0.0134	+/-0.0207	0.0368	1.00	pCi/g					
Radium-228		0.931	+/-0.160	0.105	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-75-00'
Sample ID: 137898011

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0313	+/-0.160	0.292	0.800	pCi/g					
Silver-110m	U	-0.024	+/-0.0188	0.0309	0.080	pCi/g					
Sodium-22	U	0.00904	+/-0.020	0.0379	0.080	pCi/g					
Thallium-208		0.284	+/-0.0414	0.0306	0.080	pCi/g					
Thorium-230		0.621	+/-0.0948	0.0618	1.00	pCi/g					
Thorium-234	U	0.964	+/-1.42	1.66	2.00	pCi/g					
Tin-113	U	-0.0113	+/-0.0252	0.0423	0.100	pCi/g					
Uranium-235	U	0.063	+/-0.131	0.187	0.500	pCi/g					
Uranium-238	U	0.964	+/-1.42	1.66	1.00	pCi/g					
Yttrium-88	U	0.0145	+/-0.0172	0.0365	0.100	pCi/g					
Zinc-65	U	0.0318	+/-0.0447	0.0857	0.300	pCi/g					
Zirconium-95	U	0.000191	+/-0.042	0.0749	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1153	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-75-00'
Sample ID: 137898011

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-87-00'
Sample ID: 137898012
Matrix: Soil
Collect Date: 23-MAY-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.919	+/-0.188	0.126	0.800	pCi/g		AKB 06/24/05	1613	431524	1
Americium-241	U	-0.0908	+/-0.107	0.169	0.200	pCi/g					
Antimony-124	U	0.0192	+/-0.0505	0.0982	0.100	pCi/g					
Antimony-125	U	-0.012	+/-0.050	0.0872	0.200	pCi/g					
Barium-133	U	0.0071	+/-0.0279	0.0445	0.100	pCi/g					
Barium-140	U	0.0644	+/-0.383	0.673	0.500	pCi/g					
Beryllium-7	U	0.0305	+/-0.235	0.414	0.700	pCi/g					
Bismuth-212		0.842	+/-0.318	0.292	0.500	pCi/g					
Bismuth-214		0.734	+/-0.120	0.0734	0.200	pCi/g					
Cerium-139	U	-0.00926	+/-0.0206	0.035	0.050	pCi/g					
Cerium-141	U	0.0548	+/-0.0819	0.0889	0.100	pCi/g					
Cerium-144	U	-0.0139	+/-0.135	0.235	0.500	pCi/g					
Cesium-134	U	0.0371	+/-0.0361	0.0476	0.100	pCi/g					
Cesium-136	U	-0.0319	+/-0.161	0.277	0.300	pCi/g					
Cesium-137	U	-0.00722	+/-0.021	0.0371	0.100	pCi/g					
Chromium-51	U	0.0294	+/-0.346	0.622	0.600	pCi/g					
Cobalt-56	U	-0.0395	+/-0.0276	0.0436	0.100	pCi/g					
Cobalt-57	U	0.00246	+/-0.016	0.0284	0.050	pCi/g					
Cobalt-58	U	-0.00482	+/-0.0241	0.0426	0.100	pCi/g					
Cobalt-60	U	0.00525	+/-0.0218	0.0406	0.100	pCi/g					
Europium-152	U	-0.0185	+/-0.0559	0.0982	0.200	pCi/g					
Europium-154	U	0.0676	+/-0.0715	0.137	0.500	pCi/g					
Europium-155	U	0.0867	+/-0.0657	0.122	0.500	pCi/g					
Iridium-192	U	-0.00464	+/-0.0244	0.0434	0.100	pCi/g					
Iron-59	U	0.0253	+/-0.0696	0.125	0.300	pCi/g					
Lead-210	U	1.40	+/-2.60	4.46	4.00	pCi/g					
Lead-212		1.04	+/-0.109	0.0651	0.100	pCi/g					
Lead-214		0.806	+/-0.121	0.0707	0.100	pCi/g					
Manganese-54	U	-0.00307	+/-0.024	0.0421	0.100	pCi/g					
Mercury-203	U	0.0417	+/-0.0523	0.0529	0.100	pCi/g					
Neodymium-147	U	0.0684	+/-1.02	1.77	1000	pCi/g					
Neptunium-239	U	0.0482	+/-0.115	0.206	2.00	pCi/g					
Niobium-94	U	0.0182	+/-0.0206	0.0386	1.00	pCi/g					
Niobium-95	U	0.0122	+/-0.0479	0.0755	0.050	pCi/g					
Potassium-40		15.0	+/-1.74	0.373	1.00	pCi/g					
Promethium-144	U	5.910E-05	+/-0.0218	0.039	0.080	pCi/g					
Promethium-146	U	-0.0112	+/-0.0256	0.0438	1.00	pCi/g					
Radium-228		0.919	+/-0.188	0.126	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-87-00'
Sample ID: 137898012
Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.114	+/-0.189	0.330	0.800	pCi/g					
Silver-110m	U	-0.00656	+/-0.020	0.0354	0.080	pCi/g					
Sodium-22	U	0.0245	+/-0.0258	0.0496	0.080	pCi/g					
Thallium-208		0.300	+/-0.0576	0.0375	0.080	pCi/g					
Thorium-230		0.734	+/-0.120	0.0734	1.00	pCi/g					
Thorium-234	U	0.859	+/-1.17	1.55	2.00	pCi/g					
Tin-113	U	0.000883	+/-0.029	0.0514	0.100	pCi/g					
Uranium-235	U	0.158	+/-0.233	0.244	0.500	pCi/g					
Uranium-238	U	0.859	+/-1.17	1.55	1.00	pCi/g					
Yttrium-88	U	0.00629	+/-0.0195	0.0381	0.100	pCi/g					
Zinc-65	U	-0.0756	+/-0.0672	0.0865	0.300	pCi/g					
Zirconium-95	U	0.0659	+/-0.0506	0.0975	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1153	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-05-87-00'
Sample ID: 137898012
Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-02-05~~-15~~ B1 (FD)
Sample ID: 137898013
Matrix: Soil
Collect Date: 29-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.842	+/-0.173	0.110	0.800	pCi/g		AKB 06/24/05	1626	431524	1
Americium-241	U	0.0184	+/-0.102	0.176	0.200	pCi/g					
Antimony-124	U	-0.00283	+/-0.0511	0.0976	0.100	pCi/g					
Antimony-125	U	0.00157	+/-0.0397	0.075	0.200	pCi/g					
Barium-133	U	0.00775	+/-0.0202	0.033	0.100	pCi/g					
Barium-140	U	0.209	+/-0.999	1.87	0.500	pCi/g					
Beryllium-7	U	0.0414	+/-0.225	0.426	0.700	pCi/g					
Bismuth-212		0.456	+/-0.221	0.221	0.500	pCi/g					
Bismuth-214		0.698	+/-0.0977	0.0494	0.200	pCi/g					
Cerium-139	U	-0.0121	+/-0.0178	0.0292	0.050	pCi/g					
Cerium-141	U	0.0233	+/-0.0496	0.120	0.100	pCi/g					
Cerium-144	U	-0.00827	+/-0.105	0.181	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.031	0.0405	0.100	pCi/g					
Cesium-136	U	-0.141	+/-0.413	0.741	0.300	pCi/g					
Cesium-137	U	0.00173	+/-0.0181	0.0291	0.100	pCi/g					
Chromium-51	U	0.126	+/-0.451	0.822	0.600	pCi/g					
Cobalt-56	U	-0.0156	+/-0.0239	0.0401	0.100	pCi/g					
Cobalt-57	U	-0.00267	+/-0.0121	0.0232	0.050	pCi/g					
Cobalt-58	U	-0.00586	+/-0.0237	0.0417	0.100	pCi/g					
Cobalt-60	U	0.00631	+/-0.0175	0.0329	0.100	pCi/g					
Europium-152	U	-0.0143	+/-0.0427	0.0747	0.200	pCi/g					
Europium-154	U	-0.0125	+/-0.0546	0.0967	0.500	pCi/g					
Europium-155	U	0.0304	+/-0.048	0.0955	0.500	pCi/g					
Iridium-192	U	0.00767	+/-0.0214	0.0392	0.100	pCi/g					
Iron-59	U	0.025	+/-0.0805	0.150	0.300	pCi/g					
Lead-210	U	1.51	+/-3.86	6.84	4.00	pCi/g					
Lead-212		0.881	+/-0.0955	0.0466	0.100	pCi/g					
Lead-214		0.735	+/-0.0961	0.0524	0.100	pCi/g					
Manganese-54	U	0.000138	+/-0.0174	0.031	0.100	pCi/g					
Mercury-203	U	0.0484	+/-0.0446	0.0587	0.100	pCi/g					
Neodymium-147	U	0.752	+/-2.95	5.57	1000	pCi/g					
Neptunium-239	U	-0.00149	+/-0.0824	0.160	2.00	pCi/g					
Niobium-94	U	0.0117	+/-0.0145	0.0275	1.00	pCi/g					
Niobium-95	U	-0.0382	+/-0.0609	0.089	0.050	pCi/g					
Potassium-40		15.3	+/-1.31	0.287	1.00	pCi/g					
Promethium-144	U	0.00522	+/-0.0159	0.0293	0.080	pCi/g					
Promethium-146	U	0.00342	+/-0.0175	0.0333	1.00	pCi/g					
Radium-228		0.842	+/-0.173	0.110	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-02-05-~~13~~ B1 HTD
Sample ID: 137898013

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0524	+/-0.148	0.263	0.800	pCi/g					
Silver-110m	U	-0.00312	+/-0.0163	0.0293	0.080	pCi/g					
Sodium-22	U	-0.00457	+/-0.020	0.0354	0.080	pCi/g					
Thallium-208		0.247	+/-0.0479	0.0301	0.080	pCi/g					
Thorium-230		0.698	+/-0.0977	0.0494	1.00	pCi/g					
Thorium-234	U	0.838	+/-1.14	1.31	2.00	pCi/g					
Tin-113	U	0.0209	+/-0.0255	0.0471	0.100	pCi/g					
Uranium-235	U	0.0502	+/-0.101	0.180	0.500	pCi/g					
Uranium-238	U	0.838	+/-1.14	1.31	1.00	pCi/g					
Yttrium-88	U	0.00473	+/-0.0151	0.0314	0.100	pCi/g					
Zinc-65	U	-0.0165	+/-0.0525	0.0802	0.300	pCi/g					
Zirconium-95	U	-0.015	+/-0.0515	0.0902	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1154	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: SS-FSS-02-05-~~19~~ 31 HTD
Sample ID: 137898013

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-157
Sample ID: 137898014
Matrix: Soil
Collect Date: 14-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.75	+/-0.287	0.146	0.800	pCi/g		AKB 06/24/05	1627	431524	1
Americium-241	U	0.084	+/-0.139	0.240	0.200	pCi/g					
Antimony-124	U	0.0245	+/-0.293	0.541	0.100	pCi/g					
Antimony-125	U	-0.0241	+/-0.0548	0.0972	0.200	pCi/g					
Barium-133	U	0.00785	+/-0.0274	0.0449	0.100	pCi/g					
Barium-140	UI	0.00	+/-2340	0.00	0.500	pCi/g					
Beryllium-7	U	0.094	+/-1.73	3.11	0.700	pCi/g					
Bismuth-212		1.47	+/-0.403	0.338	0.500	pCi/g					
Bismuth-214		1.28	+/-0.151	0.0678	0.200	pCi/g					
Cerium-139	U	0.00173	+/-0.0428	0.0763	0.050	pCi/g					
Cerium-141	U	2.25	+/-2.01	2.79	0.100	pCi/g					
Cerium-144	U	-0.0718	+/-0.184	0.328	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0594	0.0617	0.100	pCi/g					
Cesium-136	UI	0.00	+/-718	0.00	0.300	pCi/g					
Cesium-137	U	-0.00707	+/-0.0254	0.0382	0.100	pCi/g					
Chromium-51	U	7.90	+/-18.1	31.6	0.600	pCi/g					
Cobalt-56	U	0.0956	+/-0.108	0.197	0.100	pCi/g					
Cobalt-57	U	-0.00163	+/-0.0237	0.043	0.050	pCi/g					
Cobalt-58	U	-0.0308	+/-0.129	0.220	0.100	pCi/g					
Cobalt-60	U	0.0187	+/-0.0238	0.0451	0.100	pCi/g					
Europium-152	U	-0.0553	+/-0.0535	0.094	0.200	pCi/g					
Europium-154	U	0.0608	+/-0.076	0.141	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.114	0.121	0.500	pCi/g					
Iridium-192	U	0.0392	+/-0.103	0.179	0.100	pCi/g					
Iron-59	U	-0.178	+/-0.804	1.42	0.300	pCi/g					
Lead-210	U	0.307	+/-4.99	8.62	4.00	pCi/g					
Lead-212		2.11	+/-0.208	0.0694	0.100	pCi/g					
Lead-214		1.47	+/-0.167	0.0718	0.100	pCi/g					
Manganese-54	U	0.025	+/-0.0363	0.0533	0.100	pCi/g					
Mercury-203	U	0.375	+/-0.376	0.604	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-22800	0.00	1000	pCi/g					
Neptunium-239	U	-0.126	+/-0.113	0.198	2.00	pCi/g					
Niobium-94	U	0.0128	+/-0.022	0.0339	1.00	pCi/g					
Niobium-95	U	0.670	+/-1.60	1.82	0.050	pCi/g					
Potassium-40		25.6	+/-2.03	0.327	1.00	pCi/g					
Promethium-144	U	0.0172	+/-0.0282	0.0508	0.080	pCi/g					
Promethium-146	U	-0.00438	+/-0.0246	0.044	1.00	pCi/g					
Radium-228		1.75	+/-0.287	0.146	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-157
Sample ID: 137898014

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.00582	+/-0.241	0.426	0.800	pCi/g					
Silver-110m	U	-0.0026	+/-0.0337	0.0589	0.080	pCi/g					
Sodium-22	U	0.0237	+/-0.0297	0.0553	0.080	pCi/g					
Thallium-208		0.685	+/-0.0822	0.0401	0.080	pCi/g					
Thorium-230		1.28	+/-0.150	0.0677	1.00	pCi/g					
Thorium-234		2.97	+/-1.85	1.83	2.00	pCi/g					
Tin-113	U	0.0519	+/-0.0699	0.131	0.100	pCi/g					
Uranium-235	U	0.223	+/-0.191	0.232	0.500	pCi/g					
Uranium-238		2.97	+/-1.85	1.83	1.00	pCi/g					
Yttrium-88	U	0.037	+/-0.0573	0.116	0.100	pCi/g					
Zinc-65	U	-0.0332	+/-0.094	0.141	0.300	pCi/g					
Zirconium-95	UUI	0.00	+/-0.410	0.489	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1154	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-157 Proiect: MCTC00402
Sample ID: 137898014 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-118
Sample ID: 137898015
Matrix: Soil
Collect Date: 13-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.725	+/-0.180	0.141	0.800	pCi/g		AKB 06/24/05	1628	431524	1
Americium-241	U	0.0204	+/-0.0874	0.166	0.200	pCi/g					
Antimony-124	U	-0.211	+/-0.217	0.353	0.100	pCi/g					
Antimony-125	U	-0.0367	+/-0.065	0.0975	0.200	pCi/g					
Barium-133	U	0.0239	+/-0.0285	0.0474	0.100	pCi/g					
Barium-140	UI	0.00	+/-422	0.00	0.500	pCi/g					
Beryllium-7	U	0.427	+/-1.17	2.14	0.700	pCi/g					
Bismuth-212		0.610	+/-0.249	0.367	0.500	pCi/g					
Bismuth-214		0.530	+/-0.0891	0.0699	0.200	pCi/g					
Cerium-139	U	0.0519	+/-0.0327	0.0615	0.050	pCi/g					
Cerium-141	U	0.739	+/-0.771	1.43	0.100	pCi/g					
Cerium-144	U	-0.0296	+/-0.246	0.278	0.500	pCi/g					
Cesium-134	U	0.044	+/-0.0334	0.0533	0.100	pCi/g					
Cesium-136	U	-42	+/-156	0.00	0.300	pCi/g					
Cesium-137	U	0.0267	+/-0.0256	0.0384	0.100	pCi/g					
Chromium-51	U	-3.39	+/-7.82	14.1	0.600	pCi/g					
Cobalt-56	U	-0.0342	+/-0.0754	0.133	0.100	pCi/g					
Cobalt-57	U	0.00135	+/-0.020	0.0366	0.050	pCi/g					
Cobalt-58	U	-0.0279	+/-0.0827	0.148	0.100	pCi/g					
Cobalt-60	U	0.0265	+/-0.0166	0.0415	0.100	pCi/g					
Europium-152	U	-0.0439	+/-0.0549	0.0967	0.200	pCi/g					
Europium-154	U	0.0329	+/-0.0766	0.123	0.500	pCi/g					
Europium-155	U	0.000369	+/-0.0592	0.109	0.500	pCi/g					
Iridium-192	U	0.00948	+/-0.0714	0.132	0.100	pCi/g					
Iron-59	U	-0.292	+/-0.504	0.861	0.300	pCi/g					
Lead-210	U	0.369	+/-2.60	4.42	4.00	pCi/g					
Lead-212		0.852	+/-0.112	0.0676	0.100	pCi/g					
Lead-214		0.598	+/-0.0968	0.0697	0.100	pCi/g					
Manganese-54	U	-0.0105	+/-0.029	0.0515	0.100	pCi/g					
Mercury-203	U	0.127	+/-0.150	0.333	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-3220	0.00	1000	pCi/g					
Neptunium-239	U	0.0254	+/-0.100	0.185	2.00	pCi/g					
Niobium-94	U	-0.0143	+/-0.0202	0.0338	1.00	pCi/g					
Niobium-95	U	0.323	+/-0.521	0.871	0.050	pCi/g					
Potassium-40		14.6	+/-1.40	0.352	1.00	pCi/g					
Promethium-144	U	-0.00538	+/-0.0264	0.0458	0.080	pCi/g					
Promethium-146	U	0.0107	+/-0.0252	0.0451	1.00	pCi/g					
Radium-228		0.725	+/-0.180	0.141	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-118
Sample ID: 137898015

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0321	+/-0.228	0.409	0.800	pCi/g					
Silver-110m	U	0.0127	+/-0.0337	0.0532	0.080	pCi/g					
Sodium-22	U	0.0122	+/-0.0295	0.0475	0.080	pCi/g					
Thallium-208		0.323	+/-0.0559	0.0381	0.080	pCi/g					
Thorium-230		0.530	+/-0.089	0.0699	1.00	pCi/g					
Thorium-234	U	0.635	+/-0.992	1.27	2.00	pCi/g					
Tin-113	U	0.0528	+/-0.0589	0.112	0.100	pCi/g					
Uranium-235	U	0.0987	+/-0.110	0.203	0.500	pCi/g					
Uranium-238	U	0.635	+/-0.992	1.27	1.00	pCi/g					
Yttrium-88	U	0.0598	+/-0.0729	0.0932	0.100	pCi/g					
Zinc-65	U	0.00125	+/-0.0923	0.141	0.300	pCi/g					
Zirconium-95	U	0.117	+/-0.182	0.348	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1154	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-118
Sample ID: 137898015

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-013
Sample ID: 137898016
Matrix: Soil
Collect Date: 01-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.856	+/-0.162	0.0985	0.800	pCi/g		AKB 06/24/05	1752	431524	1
Americium-241	U	-0.00758	+/-0.0745	0.128	0.200	pCi/g					
Antimony-124	U	0.103	+/-0.298	0.522	0.100	pCi/g					
Antimony-125	U	0.0145	+/-0.0414	0.0784	0.200	pCi/g					
Barium-133	U	-0.104	+/-0.0257	0.0341	0.100	pCi/g					
Barium-140	UUI	0.00	+/-3350	0.00	0.500	pCi/g					
Beryllium-7	U	0.037	+/-1.57	2.90	0.700	pCi/g					
Bismuth-212		0.746	+/-0.253	0.251	0.500	pCi/g					
Bismuth-214		0.545	+/-0.079	0.0477	0.200	pCi/g					
Cerium-139	U	0.0183	+/-0.0336	0.0623	0.050	pCi/g					
Cerium-141	U	0.886	+/-1.79	2.85	0.100	pCi/g					
Cerium-144	U	0.0532	+/-0.139	0.259	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0341	0.045	0.100	pCi/g					
Cesium-136	UI	0.00	+/-1030	0.00	0.300	pCi/g					
Cesium-137	U	0.0161	+/-0.0171	0.0325	0.100	pCi/g					
Chromium-51	U	-5.43	+/-17.9	33.2	0.600	pCi/g					
Cobalt-56	U	0.0435	+/-0.112	0.153	0.100	pCi/g					
Cobalt-57	U	0.0215	+/-0.0178	0.0342	0.050	pCi/g					
Cobalt-58	U	0.0585	+/-0.108	0.201	0.100	pCi/g					
Cobalt-60	U	0.006	+/-0.0175	0.0333	0.100	pCi/g					
Europium-152	U	0.0208	+/-0.0406	0.078	0.200	pCi/g					
Europium-154	U	-0.0248	+/-0.0571	0.0999	0.500	pCi/g					
Europium-155	U	0.0531	+/-0.0546	0.0862	0.500	pCi/g					
Iridium-192	U	-0.0347	+/-0.0826	0.153	0.100	pCi/g					
Iron-59	U	0.414	+/-0.769	1.46	0.300	pCi/g					
Lead-210	U	1.11	+/-1.88	3.38	4.00	pCi/g					
Lead-212		0.960	+/-0.0982	0.0493	0.100	pCi/g					
Lead-214		0.601	+/-0.0807	0.0537	0.100	pCi/g					
Manganese-54	U	0.0137	+/-0.0252	0.0464	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.430	0.523	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-37000	0.00	1000	pCi/g					
Neptunium-239	U	-0.0995	+/-0.0815	0.145	2.00	pCi/g					
Niobium-94	U	-0.0119	+/-0.0133	0.0224	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-1.05	1.67	0.050	pCi/g					
Potassium-40		14.5	+/-1.20	0.261	1.00	pCi/g					
Promethium-144	U	-0.0116	+/-0.021	0.0363	0.080	pCi/g					
Promethium-146	U	-0.00135	+/-0.0186	0.0343	1.00	pCi/g					
Radium-228		0.856	+/-0.162	0.0985	0.500	pCi/g					

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-013
Sample ID: 137898016

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0711	+/-0.187	0.330	0.800	pCi/g					
Silver-110m	U	-0.0194	+/-0.0264	0.0451	0.080	pCi/g					
Sodium-22	U	-0.00983	+/-0.0225	0.0394	0.080	pCi/g					
Thallium-208		0.288	+/-0.043	0.0334	0.080	pCi/g					
Thorium-230		0.545	+/-0.079	0.0477	1.00	pCi/g					
Thorium-234	U	0.389	+/-0.817	1.03	2.00	pCi/g					
Tin-113	U	-0.0533	+/-0.0547	0.0967	0.100	pCi/g					
Uranium-235	U	0.0663	+/-0.132	0.173	0.500	pCi/g					
Uranium-238	U	0.389	+/-0.817	1.03	1.00	pCi/g					
Yttrium-88	U	0.00459	+/-0.0423	0.0819	0.100	pCi/g					
Zinc-65	U	0.0769	+/-0.0666	0.114	0.300	pCi/g					
Zirconium-95	U	0.0272	+/-0.238	0.429	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1154	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-013 Proiect: MCTC00402
Sample ID: 137898016 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-198
Sample ID: 137898017
Matrix: Soil
Collect Date: 14-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid (Standard List)												
Actinium-228		0.424	+/-0.124	0.108	0.800	pCi/g		AKB	06/24/05	1753	431524	1
Americium-241	U	-0.0412	+/-0.0616	0.107	0.200	pCi/g						
Antimony-124	U	0.0112	+/-0.191	0.372	0.100	pCi/g						
Antimony-125	U	-0.0235	+/-0.0405	0.0711	0.200	pCi/g						
Barium-133	U	0.014	+/-0.020	0.0341	0.100	pCi/g						
Barium-140	UI	0.00	+/-1580	0.00	0.500	pCi/g						
Beryllium-7	U	-0.0646	+/-1.18	2.13	0.700	pCi/g						
Bismuth-212		0.471	+/-0.280	0.254	0.500	pCi/g						
Bismuth-214		0.355	+/-0.0726	0.0456	0.200	pCi/g						
Cerium-139	U	0.0195	+/-0.0277	0.0523	0.050	pCi/g						
Cerium-141	U	1.34	+/-1.04	2.02	0.100	pCi/g						
Cerium-144	U	-0.109	+/-0.118	0.209	0.500	pCi/g						
Cesium-134	U	0.0315	+/-0.0232	0.0405	0.100	pCi/g						
Cesium-136	UI	0.00	+/-497	0.00	0.300	pCi/g						
Cesium-137	U	0.00319	+/-0.0155	0.0291	0.100	pCi/g						
Chromium-51	U	2.75	+/-11.4	21.7	0.600	pCi/g						
Cobalt-56	U	-0.011	+/-0.0745	0.134	0.100	pCi/g						
Cobalt-57	U	-0.0062	+/-0.0143	0.0265	0.050	pCi/g						
Cobalt-58	U	-0.0638	+/-0.0914	0.157	0.100	pCi/g						
Cobalt-60	U	-0.00897	+/-0.0162	0.028	0.100	pCi/g						
Europium-152	U	-0.00544	+/-0.0421	0.0681	0.200	pCi/g						
Europium-154	U	-0.00986	+/-0.0523	0.0939	0.500	pCi/g						
Europium-155	U	0.0159	+/-0.0389	0.0754	0.500	pCi/g						
Iridium-192	U	-0.038	+/-0.0709	0.129	0.100	pCi/g						
Iron-59	U	-0.0148	+/-0.598	1.10	0.300	pCi/g						
Lead-210	U	0.576	+/-1.74	2.98	4.00	pCi/g						
Lead-212		0.572	+/-0.0743	0.0442	0.100	pCi/g						
Lead-214		0.357	+/-0.0763	0.0498	0.100	pCi/g						
Manganese-54	U	0.011	+/-0.0237	0.0443	0.100	pCi/g						
Mercury-203	U	0.299	+/-0.223	0.442	0.100	pCi/g						
Neodymium-147	U	-2620	+/-16400	0.00	1000	pCi/g						
Neptunium-239	U	-0.0451	+/-0.0719	0.132	2.00	pCi/g						
Niobium-94	U	-0.00513	+/-0.014	0.0251	1.00	pCi/g						
Niobium-95	U	-0.0281	+/-0.628	1.15	0.050	pCi/g						
Potassium-40		9.39	+/-0.885	0.258	1.00	pCi/g						
Promethium-144	U	0.00537	+/-0.0203	0.038	0.080	pCi/g						
Promethium-146	U	0.00874	+/-0.0177	0.0333	1.00	pCi/g						
Radium-228		0.424	+/-0.124	0.108	0.500	pCi/g						

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-198
Sample ID: 137898017

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0846	+/-0.170	0.328	0.800	pCi/g					
Silver-110m	U	0.00319	+/-0.0217	0.0408	0.080	pCi/g					
Sodium-22	U	-0.00382	+/-0.0205	0.0369	0.080	pCi/g					
Thallium-208		0.253	+/-0.0458	0.0274	0.080	pCi/g					
Thorium-230		0.355	+/-0.0726	0.0455	1.00	pCi/g					
Thorium-234	U	0.841	+/-0.746	0.890	2.00	pCi/g					
Tin-113	U	-0.0218	+/-0.0501	0.0896	0.100	pCi/g					
Uranium-235	U	-0.0323	+/-0.0798	0.145	0.500	pCi/g					
Uranium-238	U	0.841	+/-0.746	0.890	1.00	pCi/g					
Yttrium-88	U	0.0022	+/-0.0578	0.0946	0.100	pCi/g					
Zinc-65	U	-0.0336	+/-0.0687	0.103	0.300	pCi/g					
Zirconium-95	U	0.209	+/-0.194	0.383	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1154	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-198
Sample ID: 137898017

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-591
Sample ID: 137898018
Matrix: Soil
Collect Date: 24-NOV-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.569	+/-0.219	0.158	0.800	pCi/g		AKB	06/24/05 1754	431524	1
Americium-241	U	-0.0299	+/-0.0552	0.0975	0.200	pCi/g					
Antimony-124	U	-0.481	+/-0.570	0.951	0.100	pCi/g					
Antimony-125	U	0.0701	+/-0.0744	0.140	0.200	pCi/g					
Barium-133	U	-0.0137	+/-0.0326	0.0497	0.100	pCi/g					
Barium-140	UI	0.00	+/-8690	0.00	0.500	pCi/g					
Beryllium-7	U	0.334	+/-3.15	5.62	0.700	pCi/g					
Bismuth-212		0.846	+/-0.524	0.464	0.500	pCi/g					
Bismuth-214		0.501	+/-0.123	0.179	0.200	pCi/g					
Cerium-139	U	-0.0198	+/-0.0557	0.0944	0.050	pCi/g					
Cerium-141	U	1.75	+/-2.90	5.13	0.100	pCi/g					
Cerium-144	U	-0.0921	+/-0.220	0.376	0.500	pCi/g					
Cesium-134	U	0.041	+/-0.036	0.0715	0.100	pCi/g					
Cesium-136	UI	0.00	+/-2480	0.00	0.300	pCi/g					
Cesium-137	UUI	0.00	+/-0.064	0.0506	0.100	pCi/g					
Chromium-51	U	-15.8	+/-34.6	60.8	0.600	pCi/g					
Cobalt-56	U	-0.0155	+/-0.170	0.308	0.100	pCi/g					
Cobalt-57	U	0.0111	+/-0.0287	0.0508	0.050	pCi/g					
Cobalt-58	U	-0.0359	+/-0.192	0.349	0.100	pCi/g					
Cobalt-60	U	-0.0138	+/-0.0307	0.0525	0.100	pCi/g					
Europium-152	U	0.0453	+/-0.0685	0.127	0.200	pCi/g					
Europium-154	U	-0.0443	+/-0.100	0.171	0.500	pCi/g					
Europium-155	U	-0.0204	+/-0.0728	0.127	0.500	pCi/g					
Iridium-192	U	0.072	+/-0.145	0.268	0.100	pCi/g					
Iron-59	U	1.16	+/-1.38	2.69	0.300	pCi/g					
Lead-210	U	0.996	+/-1.05	1.18	4.00	pCi/g					
Lead-212		0.747	+/-0.108	0.0783	0.100	pCi/g					
Lead-214		0.515	+/-0.112	0.083	0.100	pCi/g					
Manganese-54	U	0.015	+/-0.0462	0.086	0.100	pCi/g					
Mercury-203	U	0.0635	+/-0.940	0.949	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-1.060E+05	0.00	1000	pCi/g					
Neptunium-239	U	0.0598	+/-0.123	0.219	2.00	pCi/g					
Niobium-94	U	0.0142	+/-0.0274	0.0444	1.00	pCi/g					
Niobium-95	U	-0.0611	+/-1.78	3.24	0.050	pCi/g					
Potassium-40		11.7	+/-1.28	0.395	1.00	pCi/g					
Promethium-144	U	0.0463	+/-0.0472	0.072	0.080	pCi/g					
Promethium-146	U	0.0199	+/-0.0346	0.0637	1.00	pCi/g					
Radium-228		0.569	+/-0.219	0.158	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-591
Sample ID: 137898018

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.272	+/-0.335	0.545	0.800	pCi/g					
Silver-110m	U	0.000108	+/-0.0505	0.0774	0.080	pCi/g					
Sodium-22	U	-0.0175	+/-0.0396	0.0677	0.080	pCi/g					
Thallium-208		0.302	+/-0.081	0.0546	0.080	pCi/g					
Thorium-230		0.501	+/-0.123	0.0875	1.00	pCi/g					
Thorium-234	U	0.162	+/-0.835	0.936	2.00	pCi/g					
Tin-113	U	-0.0184	+/-0.109	0.192	0.100	pCi/g					
Uranium-235	U	-0.0261	+/-0.147	0.252	0.500	pCi/g					
Uranium-238	U	0.162	+/-0.835	0.936	1.00	pCi/g					
Yttrium-88	U	0.042	+/-0.0789	0.172	0.100	pCi/g					
Zinc-65	U	-0.197	+/-0.121	0.183	0.300	pCi/g					
Zirconium-95	UUI	0.00	+/-0.939	0.880	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1154	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-591
Sample ID: 137898018

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-151
Sample ID: 137898019
Matrix: Soil
Collect Date: 19-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.475	+/-0.135	0.0981	0.800	pCi/g		AKB 06/24/05	1849	431524	1
Americium-241	U	-0.0175	+/-0.0767	0.130	0.200	pCi/g					
Antimony-124	U	-0.061	+/-0.153	0.270	0.100	pCi/g					
Antimony-125	U	0.00332	+/-0.0447	0.0801	0.200	pCi/g					
Barium-133	U	-0.00609	+/-0.0207	0.0326	0.100	pCi/g					
Barium-140	UI	0.00	+/-213	0.00	0.500	pCi/g					
Beryllium-7	U	0.465	+/-0.809	1.59	0.700	pCi/g					
Bismuth-212		0.365	+/-0.268	0.228	0.500	pCi/g					
Bismuth-214		0.343	+/-0.0686	0.0505	0.200	pCi/g					
Cerium-139	U	-0.00346	+/-0.0233	0.0444	0.050	pCi/g					
Cerium-141	U	0.559	+/-0.500	1.00	0.100	pCi/g					
Cerium-144	U	0.0409	+/-0.116	0.229	0.500	pCi/g					
Cesium-134	U	0.0326	+/-0.0288	0.0391	0.100	pCi/g					
Cesium-136	U	-41.3	+/-77.3	0.00	0.300	pCi/g					
Cesium-137	U	-0.00504	+/-0.0154	0.0278	0.100	pCi/g					
Chromium-51	U	0.731	+/-5.72	10.5	0.600	pCi/g					
Cobalt-56	U	-0.00543	+/-0.0598	0.108	0.100	pCi/g					
Cobalt-57	U	-0.0031	+/-0.0139	0.0271	0.050	pCi/g					
Cobalt-58	U	-0.0258	+/-0.0611	0.108	0.100	pCi/g					
Cobalt-60	U	0.0183	+/-0.0188	0.0379	0.100	pCi/g					
Europium-152	U	-0.0153	+/-0.0431	0.0765	0.200	pCi/g					
Europium-154	U	0.021	+/-0.051	0.0981	0.500	pCi/g					
Europium-155	U	0.0298	+/-0.0429	0.0871	0.500	pCi/g					
Iridium-192	U	0.00965	+/-0.0588	0.108	0.100	pCi/g					
Iron-59	U	0.117	+/-0.322	0.625	0.300	pCi/g					
Lead-210	U	0.734	+/-1.97	3.53	4.00	pCi/g					
Lead-212		0.530	+/-0.0633	0.0487	0.100	pCi/g					
Lead-214		0.369	+/-0.069	0.051	0.100	pCi/g					
Manganese-54	U	-0.00229	+/-0.0214	0.0385	0.100	pCi/g					
Mercury-203	U	0.204	+/-0.206	0.242	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-1670	0.00	1000	pCi/g					
Neptunium-239	U	0.0902	+/-0.0901	0.142	2.00	pCi/g					
Niobium-94	U	-0.00871	+/-0.0141	0.0248	1.00	pCi/g					
Niobium-95	U	-0.113	+/-0.333	0.592	0.050	pCi/g					
Potassium-40		10.2	+/-0.939	0.247	1.00	pCi/g					
Promethium-144	U	-0.0107	+/-0.0185	0.0327	0.080	pCi/g					
Promethium-146	U	-0.00783	+/-0.0179	0.0334	1.00	pCi/g					
Radium-228		0.475	+/-0.135	0.0981	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-151
Sample ID: 137898019

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0328	+/-0.176	0.323	0.800	pCi/g					
Silver-110m	U	0.00164	+/-0.0209	0.0391	0.080	pCi/g					
Sodium-22	U	0.00489	+/-0.0199	0.0377	0.080	pCi/g					
Thallium-208		0.179	+/-0.0427	0.0308	0.080	pCi/g					
Thorium-230		0.343	+/-0.0686	0.0505	1.00	pCi/g					
Thorium-234	U	0.223	+/-0.840	0.969	2.00	pCi/g					
Tin-113	U	-0.014	+/-0.047	0.0827	0.100	pCi/g					
Uranium-235	U	-0.000934	+/-0.0814	0.158	0.500	pCi/g					
Uranium-238	U	0.223	+/-0.840	0.969	1.00	pCi/g					
Yttrium-88	U	0.018	+/-0.0359	0.0735	0.100	pCi/g					
Zinc-65	U	-0.00338	+/-0.0541	0.0881	0.300	pCi/g					
Zirconium-95	U	0.0422	+/-0.136	0.255	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1154	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-151
Sample ID: 137898019

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-066
Sample ID: 137898020
Matrix: Soil
Collect Date: 11-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.834	+/-0.222	0.151	0.800	pCi/g		AKB 06/24/05	1849	431524	1
Americium-241	U	0.00872	+/-0.0287	0.0526	0.200	pCi/g					
Antimony-124	U	-0.15	+/-0.285	0.493	0.100	pCi/g					
Antimony-125	U	-0.0202	+/-0.0568	0.098	0.200	pCi/g					
Barium-133	U	-0.0181	+/-0.025	0.0427	0.100	pCi/g					
Barium-140	UI	0.00	+/-500	0.00	0.500	pCi/g					
Beryllium-7	U	0.684	+/-1.23	2.25	0.700	pCi/g					
Bismuth-212		0.573	+/-0.486	0.354	0.500	pCi/g					
Bismuth-214		0.549	+/-0.115	0.0696	0.200	pCi/g					
Cerium-139	U	0.000496	+/-0.027	0.0508	0.050	pCi/g					
Cerium-141	U	0.948	+/-0.730	1.32	0.100	pCi/g					
Cerium-144	U	0.00191	+/-0.140	0.241	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0413	0.0561	0.100	pCi/g					
Cesium-136	UI	0.00	+/-167	0.00	0.300	pCi/g					
Cesium-137	U	0.0386	+/-0.0306	0.0417	0.100	pCi/g					
Chromium-51	U	3.20	+/-7.36	13.7	0.600	pCi/g					
Cobalt-56	U	-0.0221	+/-0.0947	0.147	0.100	pCi/g					
Cobalt-57	U	0.00101	+/-0.0176	0.0307	0.050	pCi/g					
Cobalt-58	U	-0.0132	+/-0.0994	0.179	0.100	pCi/g					
Cobalt-60	U	0.00226	+/-0.0214	0.0409	0.100	pCi/g					
Europium-152	U	0.0247	+/-0.049	0.0908	0.200	pCi/g					
Europium-154	U	0.0219	+/-0.0779	0.141	0.500	pCi/g					
Europium-155	U	0.0436	+/-0.0492	0.0893	0.500	pCi/g					
Iridium-192	U	0.0268	+/-0.0695	0.128	0.100	pCi/g					
Iron-59	U	-0.421	+/-0.690	0.979	0.300	pCi/g					
Lead-210		1.03	+/-0.460	0.390	4.00	pCi/g					
Lead-212		0.870	+/-0.0966	0.0537	0.100	pCi/g					
Lead-214		0.661	+/-0.0999	0.0678	0.100	pCi/g					
Manganese-54	U	0.0167	+/-0.0318	0.0596	0.100	pCi/g					
Mercury-203	U	0.236	+/-0.242	0.318	0.100	pCi/g					
Neodymium-147	U	-757	+/-4510	0.00	1000	pCi/g					
Neptunium-239	U	0.0504	+/-0.0863	0.154	2.00	pCi/g					
Niobium-94	U	0.00977	+/-0.0192	0.0364	1.00	pCi/g					
Niobium-95	U	0.267	+/-0.541	0.967	0.050	pCi/g					
Potassium-40		13.1	+/-1.21	0.402	1.00	pCi/g					
Promethium-144	U	-0.00214	+/-0.027	0.0491	0.080	pCi/g					
Promethium-146	U	0.014	+/-0.0247	0.0453	1.00	pCi/g					
Radium-228		0.834	+/-0.222	0.151	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-066
Sample ID: 137898020

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.183	+/-0.236	0.411	0.800	pCi/g					
Silver-110m	U	-0.0126	+/-0.0314	0.056	0.080	pCi/g					
Sodium-22	U	0.00828	+/-0.0301	0.0543	0.080	pCi/g					
Thallium-208		0.298	+/-0.0563	0.0425	0.080	pCi/g					
Thorium-230		0.549	+/-0.115	0.0696	1.00	pCi/g					
Thorium-234		0.909	+/-0.619	0.493	2.00	pCi/g					
Tin-113	U	-0.0445	+/-0.0558	0.0941	0.100	pCi/g					
Uranium-235	U	0.0568	+/-0.0999	0.175	0.500	pCi/g					
Uranium-238		0.909	+/-0.619	0.493	1.00	pCi/g					
Yttrium-88	U	-0.0408	+/-0.0505	0.0815	0.100	pCi/g					
Zinc-65	U	0.00805	+/-0.0881	0.138	0.300	pCi/g					
Zirconium-95	U	0.0139	+/-0.224	0.409	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1154	431299

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-066
Sample ID: 137898020

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-088
Sample ID: 137898021
Matrix: Soil
Collect Date: 13-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		4.07	+/-0.676	0.676	0.800	pCi/g		AKB 06/24/05	2155	431527	1
Americium-241	UUI	0.00	+/-0.406	0.609	0.200	pCi/g					
Antimony-124	U	0.0957	+/-0.505	0.853	0.100	pCi/g					
Antimony-125		0.329	+/-0.237	0.323	0.200	pCi/g					
Barium-133	U	0.075	+/-0.0859	0.132	0.100	pCi/g					
Barium-140	UI	0.00	+/-1520	0.00	0.500	pCi/g					
Beryllium-7	U	-1.1	+/-4.23	7.20	0.700	pCi/g					
Bismuth-212		1.94	+/-0.975	1.20	0.500	pCi/g					
Bismuth-214		2.65	+/-0.304	0.225	0.200	pCi/g					
Cerium-139	UUI	0.00	+/-0.466	0.199	0.050	pCi/g					
Cerium-141	UUI	0.00	+/-22.1	4.58	0.100	pCi/g					
Cerium-144	UUI	0.00	+/-0.743	1.00	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.118	0.191	0.100	pCi/g					
Cesium-136	U	-337	+/-669	0.00	0.300	pCi/g					
Cesium-137		14.6	+/-0.967	0.134	0.100	pCi/g					
Chromium-51	U	35.7	+/-25.2	44.3	0.600	pCi/g					
Cobalt-56	U	-0.0202	+/-0.389	0.636	0.100	pCi/g					
Cobalt-57	UUI	0.00	+/-0.096	0.130	0.050	pCi/g					
Cobalt-58	U	-0.207	+/-0.424	0.693	0.100	pCi/g					
Cobalt-60		87.4	+/-5.28	0.0729	0.100	pCi/g					
Europium-152	U	0.166	+/-0.169	0.296	0.200	pCi/g					
Europium-154	U	-0.0595	+/-0.153	0.257	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.437	0.401	0.500	pCi/g					
Iridium-192	U	-0.189	+/-0.233	0.404	0.100	pCi/g					
Iron-59	U	0.423	+/-2.41	4.10	0.300	pCi/g					
Lead-210	U	-3.67	+/-8.94	14.2	4.00	pCi/g					
Lead-212		4.37	+/-0.395	0.182	0.100	pCi/g					
Lead-214		3.13	+/-0.342	0.204	0.100	pCi/g					
Manganese-54	U	-0.00475	+/-0.130	0.213	0.100	pCi/g					
Mercury-203	U	0.173	+/-0.595	1.05	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-9940	0.00	1000	pCi/g					
Neptunium-239	U	-0.145	+/-0.442	0.672	2.00	pCi/g					
Niobium-94	U	0.0543	+/-0.065	0.119	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-6.01	3.28	0.050	pCi/g					
Potassium-40		3.59	+/-0.839	0.658	1.00	pCi/g					
Promethium-144	U	0.0291	+/-0.0959	0.160	0.080	pCi/g					
Promethium-146	U	0.0376	+/-0.0886	0.152	1.00	pCi/g					
Radium-228		4.07	+/-0.676	0.676	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-088
Sample ID: 137898021

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.193	+/-0.862	1.45	0.800	pCi/g					
Silver-110m	UUI	0.00	+/-0.177	0.229	0.080	pCi/g					
Sodium-22	U	-0.023	+/-0.059	0.0992	0.080	pCi/g					
Thallium-208		1.35	+/-0.161	0.137	0.080	pCi/g					
Thorium-230		2.65	+/-0.304	0.225	1.00	pCi/g					
Thorium-234		329	+/-59.1	4.66	2.00	pCi/g					
Tin-113	U	-0.116	+/-0.217	0.328	0.100	pCi/g					
Uranium-235		42.0	+/-7.01	1.19	0.500	pCi/g					
Uranium-238		329	+/-59.1	4.66	1.00	pCi/g					
Yttrium-88	U	-0.0227	+/-0.110	0.183	0.100	pCi/g					
Zinc-65	U	-0.614	+/-0.392	0.564	0.300	pCi/g					
Zirconium-95	U	-0.286	+/-0.821	1.35	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-088
Sample ID: 137898021

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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Edith Kent
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-114
Sample ID: 137898022
Matrix: Soil
Collect Date: 07-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.756	+/-0.139	0.0915	0.800	pCi/g		AKB 06/24/05	2158	431527	1
Americium-241	U	-0.00626	+/-0.053	0.0907	0.200	pCi/g					
Antimony-124	U	0.151	+/-0.227	0.432	0.100	pCi/g					
Antimony-125	U	-0.036	+/-0.0348	0.0584	0.200	pCi/g					
Barium-133	U	0.0065	+/-0.0179	0.0286	0.100	pCi/g					
Barium-140	UI	0.00	+/-1950	0.00	0.500	pCi/g					
Beryllium-7	U	0.606	+/-1.21	2.16	0.700	pCi/g					
Bismuth-212		0.594	+/-0.275	0.207	0.500	pCi/g					
Bismuth-214		0.506	+/-0.085	0.0413	0.200	pCi/g					
Cerium-139	U	-0.0014	+/-0.0246	0.0435	0.050	pCi/g					
Cerium-141	U	1.29	+/-1.26	1.87	0.100	pCi/g					
Cerium-144	U	-0.0183	+/-0.111	0.178	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0267	0.0352	0.100	pCi/g					
Cesium-136	UI	0.00	+/-685	0.00	0.300	pCi/g					
Cesium-137	U	0.000205	+/-0.0129	0.0232	0.100	pCi/g					
Chromium-51	U	-10.4	+/-12.4	21.7	0.600	pCi/g					
Cobalt-56	U	-0.0481	+/-0.0698	0.118	0.100	pCi/g					
Cobalt-57	U	0.00712	+/-0.013	0.024	0.050	pCi/g					
Cobalt-58	U	0.0205	+/-0.0847	0.151	0.100	pCi/g					
Cobalt-60	U	0.00718	+/-0.0161	0.0293	0.100	pCi/g					
Europium-152	U	-0.0316	+/-0.0351	0.0608	0.200	pCi/g					
Europium-154	U	0.0172	+/-0.0475	0.0854	0.500	pCi/g					
Europium-155	U	0.0328	+/-0.0562	0.0667	0.500	pCi/g					
Iridium-192	U	0.0211	+/-0.0643	0.117	0.100	pCi/g					
Iron-59	U	-0.0231	+/-0.596	1.06	0.300	pCi/g					
Lead-210	U	1.41	+/-1.47	2.46	4.00	pCi/g					
Lead-212		0.771	+/-0.0798	0.0397	0.100	pCi/g					
Lead-214		0.568	+/-0.0816	0.0409	0.100	pCi/g					
Manganese-54	U	-0.00271	+/-0.0199	0.0346	0.100	pCi/g					
Mercury-203	U	0.0189	+/-0.322	0.374	0.100	pCi/g					
Neodymium-147	U	-7970	+/-22500	0.00	1000	pCi/g					
Neptunium-239	U	0.0864	+/-0.0752	0.110	2.00	pCi/g					
Niobium-94	U	0.016	+/-0.018	0.0217	1.00	pCi/g					
Niobium-95	U	-0.198	+/-0.798	1.20	0.050	pCi/g					
Potassium-40		13.6	+/-1.08	0.225	1.00	pCi/g					
Promethium-144	U	-0.00488	+/-0.0175	0.0308	0.080	pCi/g					
Promethium-146	U	-0.000456	+/-0.0161	0.0282	1.00	pCi/g					
Radium-228		0.756	+/-0.139	0.0915	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-114
Sample ID: 137898022

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0202	+/-0.150	0.272	0.800	pCi/g					
Silver-110m	U	-0.0157	+/-0.0194	0.0334	0.080	pCi/g					
Sodium-22	U	0.00696	+/-0.0187	0.0336	0.080	pCi/g					
Thallium-208		0.294	+/-0.0463	0.026	0.080	pCi/g					
Thorium-230		0.506	+/-0.0849	0.0413	1.00	pCi/g					
Thorium-234		0.766	+/-0.714	0.709	2.00	pCi/g					
Tin-113	U	0.0776	+/-0.0581	0.0849	0.100	pCi/g					
Uranium-235		0.128	+/-0.102	0.127	0.500	pCi/g					
Uranium-238		0.766	+/-0.714	0.709	1.00	pCi/g					
Yttrium-88	U	0.0134	+/-0.0454	0.0746	0.100	pCi/g					
Zinc-65	U	-0.00932	+/-0.0632	0.0959	0.300	pCi/g					
Zirconium-95	U	0.0996	+/-0.194	0.350	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-114
Sample ID: 137898022

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-158
Sample ID: 137898023
Matrix: Soil
Collect Date: 19-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.719	+/-0.159	0.110	0.800	pCi/g		AKB 06/24/05	2158	431527	1
Americium-241	U	0.00938	+/-0.0357	0.0673	0.200	pCi/g					
Antimony-124	U	0.0235	+/-0.171	0.288	0.100	pCi/g					
Antimony-125	U	0.0343	+/-0.0469	0.082	0.200	pCi/g					
Barium-133	U	0.00505	+/-0.0208	0.0337	0.100	pCi/g					
Barium-140	U	-1.8	+/-264	0.00	0.500	pCi/g					
Beryllium-7	U	-0.303	+/-0.888	1.57	0.700	pCi/g					
Bismuth-212		0.547	+/-0.270	0.293	0.500	pCi/g					
Bismuth-214		0.449	+/-0.079	0.0519	0.200	pCi/g					
Cerium-139	U	0.00966	+/-0.026	0.0465	0.050	pCi/g					
Cerium-141	U	0.325	+/-0.649	0.928	0.100	pCi/g					
Cerium-144	U	-0.0738	+/-0.126	0.221	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0303	0.039	0.100	pCi/g					
Cesium-136	UI	0.00	+/-68.3	0.00	0.300	pCi/g					
Cesium-137	U	0.0166	+/-0.0337	0.0329	0.100	pCi/g					
Chromium-51	U	-4.81	+/-5.32	9.43	0.600	pCi/g					
Cobalt-56	U	-0.0231	+/-0.0627	0.112	0.100	pCi/g					
Cobalt-57	U	0.00267	+/-0.0151	0.0274	0.050	pCi/g					
Cobalt-58	U	-0.05	+/-0.0696	0.122	0.100	pCi/g					
Cobalt-60	U	-5.610E-05	+/-0.0343	0.0348	0.100	pCi/g					
Europium-152	U	0.0412	+/-0.0421	0.0793	0.200	pCi/g					
Europium-154	U	0.00779	+/-0.055	0.0983	0.500	pCi/g					
Europium-155	U	0.037	+/-0.0615	0.0784	0.500	pCi/g					
Iridium-192	U	-0.0147	+/-0.0536	0.0974	0.100	pCi/g					
Iron-59	U	0.0404	+/-0.384	0.688	0.300	pCi/g					
Lead-210	U	0.336	+/-0.568	0.794	4.00	pCi/g					
Lead-212		0.669	+/-0.0736	0.0478	0.100	pCi/g					
Lead-214		0.478	+/-0.076	0.0528	0.100	pCi/g					
Manganese-54	U	0.00724	+/-0.0235	0.0435	0.100	pCi/g					
Mercury-203	U	0.218	+/-0.323	0.241	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-1890	0.00	1000	pCi/g					
Neptunium-239	U	0.0399	+/-0.0799	0.146	2.00	pCi/g					
Niobium-94	U	0.00332	+/-0.0165	0.029	1.00	pCi/g					
Niobium-95	U	0.444	+/-0.386	0.665	0.050	pCi/g					
Potassium-40		12.4	+/-1.05	0.273	1.00	pCi/g					
Promethium-144	U	-0.0075	+/-0.0226	0.0385	0.080	pCi/g					
Promethium-146	U	0.00361	+/-0.021	0.0379	1.00	pCi/g					
Radium-228		0.719	+/-0.159	0.110	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-158 Project: MCTC00402
Sample ID: 137898023 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.069	+/-0.182	0.327	0.800	pCi/g					
Silver-110m	U	-4.490E-05	+/-0.0269	0.0411	0.080	pCi/g					
Sodium-22	U	0.00306	+/-0.0212	0.0379	0.080	pCi/g					
Thallium-208		0.245	+/-0.043	0.0331	0.080	pCi/g					
Thorium-230		0.449	+/-0.079	0.0519	1.00	pCi/g					
Thorium-234	U	0.376	+/-0.524	0.601	2.00	pCi/g					
Tin-113	U	-0.0379	+/-0.0448	0.0782	0.100	pCi/g					
Uranium-235	U	0.0623	+/-0.123	0.163	0.500	pCi/g					
Uranium-238	U	0.376	+/-0.524	0.601	1.00	pCi/g					
Yttrium-88	U	0.0191	+/-0.0382	0.0756	0.100	pCi/g					
Zinc-65	U	-0.0121	+/-0.0654	0.0993	0.300	pCi/g					
Zirconium-95	U	0.0556	+/-0.146	0.274	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-158
Sample ID: 137898023

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-161
Sample ID: 137898024
Matrix: Soil
Collect Date: 19-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.760	+/-0.147	0.0847	0.800	pCi/g		AKB 06/24/05	2247	431527	1
Americium-241	U	0.00172	+/-0.0205	0.0369	0.200	pCi/g					
Antimony-124	U	-0.117	+/-0.137	0.223	0.100	pCi/g					
Antimony-125	U	0.0325	+/-0.0371	0.0669	0.200	pCi/g					
Barium-133	U	0.00167	+/-0.0173	0.0268	0.100	pCi/g					
Barium-140	UI	0.00	+/-193	0.00	0.500	pCi/g					
Beryllium-7	U	-0.0531	+/-0.697	1.27	0.700	pCi/g					
Bismuth-212		0.598	+/-0.220	0.204	0.500	pCi/g					
Bismuth-214		0.560	+/-0.0907	0.0444	0.200	pCi/g					
Cerium-139	U	-0.00939	+/-0.0233	0.0371	0.050	pCi/g					
Cerium-141	U	0.405	+/-0.467	0.757	0.100	pCi/g					
Cerium-144	U	-0.055	+/-0.0956	0.175	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0235	0.0349	0.100	pCi/g					
Cesium-136	UI	0.00	+/-66.5	0.00	0.300	pCi/g					
Cesium-137		0.0283	+/-0.0187	0.0245	0.100	pCi/g					
Chromium-51	U	1.37	+/-4.48	8.01	0.600	pCi/g					
Cobalt-56	U	0.00127	+/-0.0489	0.0865	0.100	pCi/g					
Cobalt-57	U	0.00676	+/-0.0135	0.0209	0.050	pCi/g					
Cobalt-58	U	-0.0726	+/-0.0574	0.0934	0.100	pCi/g					
Cobalt-60	U	0.0132	+/-0.0125	0.0255	0.100	pCi/g					
Europium-152	U	-0.0104	+/-0.0353	0.0615	0.200	pCi/g					
Europium-154	U	-0.0115	+/-0.0438	0.0771	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.0509	0.0628	0.500	pCi/g					
Iridium-192	U	-0.029	+/-0.0468	0.081	0.100	pCi/g					
Iron-59	U	-0.148	+/-0.306	0.512	0.300	pCi/g					
Lead-210		0.427	+/-0.337	0.297	4.00	pCi/g					
Lead-212		0.860	+/-0.085	0.038	0.100	pCi/g					
Lead-214		0.620	+/-0.0757	0.0436	0.100	pCi/g					
Manganese-54	U	0.00673	+/-0.0234	0.0362	0.100	pCi/g					
Mercury-203	U	-0.0124	+/-0.117	0.207	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-1450	0.00	1000	pCi/g					
Neptunium-239	U	0.0164	+/-0.0585	0.110	2.00	pCi/g					
Niobium-94	U	0.00591	+/-0.0136	0.0227	1.00	pCi/g					
Niobium-95	U	0.0719	+/-0.326	0.508	0.050	pCi/g					
Potassium-40		13.7	+/-1.05	0.218	1.00	pCi/g					
Promethium-144	U	-0.000826	+/-0.0168	0.0299	0.080	pCi/g					
Promethium-146	U	0.00887	+/-0.0157	0.0293	1.00	pCi/g					
Radium-228		0.760	+/-0.147	0.0847	0.500	pCi/g					

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-161
Sample ID: 137898024

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0129	+/-0.154	0.276	0.800	pCi/g					
Silver-110m	U	0.0157	+/-0.020	0.0328	0.080	pCi/g					
Sodium-22	U	-0.0047	+/-0.0168	0.0296	0.080	pCi/g					
Thallium-208		0.277	+/-0.0406	0.0275	0.080	pCi/g					
Thorium-230		0.560	+/-0.0906	0.0444	1.00	pCi/g					
Thorium-234		0.695	+/-0.351	0.361	2.00	pCi/g					
Tin-113	U	-0.0233	+/-0.0371	0.0631	0.100	pCi/g					
Uranium-235	U	0.0772	+/-0.0887	0.132	0.500	pCi/g					
Uranium-238		0.695	+/-0.351	0.361	1.00	pCi/g					
Yttrium-88	U	-0.00258	+/-0.0295	0.0529	0.100	pCi/g					
Zinc-65	U	-0.00853	+/-0.0535	0.0822	0.300	pCi/g					
Zirconium-95	U	0.193	+/-0.125	0.235	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-161
Sample ID: 137898024

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-077
Sample ID: 137898025
Matrix: Soil
Collect Date: 12-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.800	+/-0.148	0.0958	0.800	pCi/g		AKB 06/24/05	2250	431527	1
Americium-241	U	0.0094	+/-0.0617	0.110	0.200	pCi/g					
Antimony-124	U	0.0795	+/-0.146	0.281	0.100	pCi/g					
Antimony-125	U	0.0282	+/-0.0379	0.0687	0.200	pCi/g					
Barium-133	U	0.00978	+/-0.0184	0.0294	0.100	pCi/g					
Barium-140	UI	0.00	+/-387	0.00	0.500	pCi/g					
Beryllium-7	U	0.350	+/-0.794	1.48	0.700	pCi/g					
Bismuth-212		0.784	+/-0.214	0.228	0.500	pCi/g					
Bismuth-214		0.611	+/-0.0837	0.0429	0.200	pCi/g					
Cerium-139	U	-0.0153	+/-0.0217	0.0391	0.050	pCi/g					
Cerium-141	U	0.459	+/-0.550	0.975	0.100	pCi/g					
Cerium-144	U	0.00711	+/-0.102	0.191	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0319	0.037	0.100	pCi/g					
Cesium-136	UI	0.00	+/-109	0.00	0.300	pCi/g					
Cesium-137	U	-0.013	+/-0.0141	0.0239	0.100	pCi/g					
Chromium-51	U	-1.72	+/-5.88	10.2	0.600	pCi/g					
Cobalt-56	U	-0.015	+/-0.0565	0.0972	0.100	pCi/g					
Cobalt-57	U	0.0113	+/-0.013	0.0249	0.050	pCi/g					
Cobalt-58	U	0.00587	+/-0.059	0.105	0.100	pCi/g					
Cobalt-60	U	0.0117	+/-0.0154	0.029	0.100	pCi/g					
Europium-152	U	0.00236	+/-0.038	0.0664	0.200	pCi/g					
Europium-154	U	0.0573	+/-0.0457	0.0875	0.500	pCi/g					
Europium-155	U	0.0072	+/-0.0391	0.0743	0.500	pCi/g					
Iridium-192	U	-0.0339	+/-0.0519	0.0888	0.100	pCi/g					
Iron-59	U	-0.0843	+/-0.348	0.619	0.300	pCi/g					
Lead-210	U	1.41	+/-2.47	3.00	4.00	pCi/g					
Lead-212		0.861	+/-0.0821	0.0426	0.100	pCi/g					
Lead-214		0.644	+/-0.0842	0.0472	0.100	pCi/g					
Manganese-54	U	-0.000837	+/-0.0238	0.0362	0.100	pCi/g					
Mercury-203	U	0.106	+/-0.151	0.235	0.100	pCi/g					
Neodymium-147	U	-894	+/-2380	0.00	1000	pCi/g					
Neptunium-239	U	0.0291	+/-0.0649	0.123	2.00	pCi/g					
Niobium-94	U	0.000564	+/-0.0126	0.0224	1.00	pCi/g					
Niobium-95	U	0.0109	+/-0.410	0.632	0.050	pCi/g					
Potassium-40		14.6	+/-1.11	0.213	1.00	pCi/g					
Promethium-144	U	0.0019	+/-0.0175	0.0311	0.080	pCi/g					
Promethium-146	U	0.018	+/-0.0167	0.0317	1.00	pCi/g					
Radium-228		0.800	+/-0.148	0.0958	0.500	pCi/g					

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-077 Proiect: MCTC00402
Sample ID: 137898025 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0263	+/-0.150	0.267	0.800	pCi/g					
Silver-110m	U	0.0232	+/-0.0178	0.0349	0.080	pCi/g					
Sodium-22	U	0.0221	+/-0.0176	0.0338	0.080	pCi/g					
Thallium-208		0.289	+/-0.0444	0.0291	0.080	pCi/g					
Thorium-230		0.611	+/-0.0837	0.0428	1.00	pCi/g					
Thorium-234	U	0.399	+/-0.810	0.900	2.00	pCi/g					
Tin-113	U	-0.0284	+/-0.0411	0.0688	0.100	pCi/g					
Uranium-235	U	0.077	+/-0.0914	0.142	0.500	pCi/g					
Uranium-238	U	0.399	+/-0.810	0.900	1.00	pCi/g					
Yttrium-88	U	0.028	+/-0.0328	0.0648	0.100	pCi/g					
Zinc-65	U	-0.0649	+/-0.0603	0.0862	0.300	pCi/g					
Zirconium-95	U	0.068	+/-0.129	0.235	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-077
Sample ID: 137898025

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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Edith Kent

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Address : 2000 Day Hill Rd.
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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-072
Sample ID: 137898026
Matrix: Soil
Collect Date: 12-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		2.00	+/-0.151	0.0968	0.800	pCi/g		AKB 06/24/05	2252	431527	1
Americium-241	U	0.00945	+/-0.079	0.127	0.200	pCi/g					
Antimony-124	U	0.0431	+/-0.268	0.283	0.100	pCi/g					
Antimony-125	U	0.00583	+/-0.0468	0.0755	0.200	pCi/g					
Barium-133	U	-0.00979	+/-0.0208	0.031	0.100	pCi/g					
Barium-140	U	-33.9	+/-333	0.00	0.500	pCi/g					
Beryllium-7	U	-0.498	+/-0.881	1.56	0.700	pCi/g					
Bismuth-212		1.61	+/-0.252	0.243	0.500	pCi/g					
Bismuth-214		1.42	+/-0.0751	0.0485	0.200	pCi/g					
Cerium-139	U	-0.0112	+/-0.0265	0.0476	0.050	pCi/g					
Cerium-141	U	0.731	+/-0.659	1.08	0.100	pCi/g					
Cerium-144	U	-0.0646	+/-0.122	0.223	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0381	0.046	0.100	pCi/g					
Cesium-136	U	-88.5	+/-107	0.00	0.300	pCi/g					
Cesium-137	U	-0.00531	+/-0.0155	0.0269	0.100	pCi/g					
Chromium-51	U	-0.169	+/-6.60	11.4	0.600	pCi/g					
Cobalt-56	U	0.015	+/-0.0583	0.102	0.100	pCi/g					
Cobalt-57	U	-0.000534	+/-0.0151	0.0279	0.050	pCi/g					
Cobalt-58	U	-0.011	+/-0.0748	0.112	0.100	pCi/g					
Cobalt-60	U	0.00168	+/-0.0188	0.029	0.100	pCi/g					
Europium-152	U	-0.044	+/-0.0439	0.073	0.200	pCi/g					
Europium-154	U	0.00439	+/-0.0493	0.087	0.500	pCi/g					
Europium-155	U	0.0636	+/-0.0668	0.0868	0.500	pCi/g					
Iridium-192	U	-0.00251	+/-0.0597	0.103	0.100	pCi/g					
Iron-59	U	0.160	+/-0.413	0.656	0.300	pCi/g					
Lead-210	U	0.0864	+/-2.21	3.61	4.00	pCi/g					
Lead-212		2.27	+/-0.0649	0.0484	0.100	pCi/g					
Lead-214		1.61	+/-0.0756	0.0485	0.100	pCi/g					
Manganese-54	UUI	0.00	+/-0.0275	0.0392	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.249	0.296	0.100	pCi/g					
Neodymium-147	U	-2640	+/-2660	0.00	1000	pCi/g					
Neptunium-239	U	0.0629	+/-0.0983	0.143	2.00	pCi/g					
Niobium-94	U	0.00625	+/-0.0142	0.0252	1.00	pCi/g					
Niobium-95	U	0.290	+/-0.420	0.663	0.050	pCi/g					
Potassium-40		19.8	+/-0.752	0.230	1.00	pCi/g					
Promethium-144	U	-0.00564	+/-0.0196	0.0338	0.080	pCi/g					
Promethium-146	U	0.0167	+/-0.0182	0.0339	1.00	pCi/g					
Radium-228		2.00	+/-0.151	0.0968	0.500	pCi/g					

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-072
Sample ID: 137898026

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0248	+/-0.169	0.298	0.800	pCi/g					
Silver-110m	U	0.00681	+/-0.0219	0.0389	0.080	pCi/g					
Sodium-22	U	0.00178	+/-0.019	0.0336	0.080	pCi/g					
Thallium-208		0.774	+/-0.0474	0.0291	0.080	pCi/g					
Thorium-230		1.42	+/-0.075	0.0485	1.00	pCi/g					
Thorium-234		1.62	+/-0.788	0.987	2.00	pCi/g					
Tin-113	U	-0.0092	+/-0.0437	0.0794	0.100	pCi/g					
Uranium-235	U	0.127	+/-0.113	0.162	0.500	pCi/g					
Uranium-238		1.62	+/-0.788	0.987	1.00	pCi/g					
Yttrium-88	U	0.0036	+/-0.0358	0.0659	0.100	pCi/g					
Zinc-65	U	-0.0249	+/-0.0589	0.0883	0.300	pCi/g					
Zirconium-95	U	0.271	+/-0.152	0.284	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-072 Project: MCTC00402
Sample ID: 137898026 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-297
Sample ID: 137898027
Matrix: Soil
Collect Date: 27-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.502	+/-0.110	0.0821	0.800	pCi/g		AKB 06/24/05	2254	431527	1
Americium-241	U	-0.00168	+/-0.0159	0.0297	0.200	pCi/g					
Antimony-124	U	0.00577	+/-0.180	0.293	0.100	pCi/g					
Antimony-125	U	-0.00556	+/-0.0316	0.056	0.200	pCi/g					
Barium-133	U	0.000371	+/-0.0148	0.0239	0.100	pCi/g					
Barium-140	U	-666	+/-778	0.00	0.500	pCi/g					
Beryllium-7	U	-0.271	+/-0.899	1.56	0.700	pCi/g					
Bismuth-212		0.468	+/-0.205	0.193	0.500	pCi/g					
Bismuth-214		0.398	+/-0.0652	0.0414	0.200	pCi/g					
Cerium-139	U	-0.00325	+/-0.017	0.0325	0.050	pCi/g					
Cerium-141	U	0.226	+/-0.689	0.997	0.100	pCi/g					
Cerium-144	U	0.0245	+/-0.0806	0.144	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0236	0.0331	0.100	pCi/g					
Cesium-136	UI	0.00	+/-228	0.00	0.300	pCi/g					
Cesium-137		0.0235	+/-0.0157	0.0213	0.100	pCi/g					
Chromium-51	U	-3.07	+/-6.49	11.6	0.600	pCi/g					
Cobalt-56	U	0.000177	+/-0.057	0.103	0.100	pCi/g					
Cobalt-57	U	0.00162	+/-0.00997	0.0179	0.050	pCi/g					
Cobalt-58	U	-0.0438	+/-0.0643	0.112	0.100	pCi/g					
Cobalt-60	U	0.0133	+/-0.0135	0.0266	0.100	pCi/g					
Europium-152	U	0.0393	+/-0.0392	0.0521	0.200	pCi/g					
Europium-154	U	-0.00237	+/-0.038	0.0661	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.0374	0.0483	0.500	pCi/g					
Iridium-192	U	-0.0205	+/-0.0474	0.0853	0.100	pCi/g					
Iron-59	U	-0.121	+/-0.436	0.749	0.300	pCi/g					
Lead-210		0.329	+/-0.284	0.253	4.00	pCi/g					
Lead-212		0.558	+/-0.058	0.0341	0.100	pCi/g					
Lead-214		0.423	+/-0.0632	0.037	0.100	pCi/g					
Manganese-54	U	0.0139	+/-0.021	0.0334	0.100	pCi/g					
Mercury-203	U	0.120	+/-0.172	0.222	0.100	pCi/g					
Neodymium-147	U	-2670	+/-6130	0.00	1000	pCi/g					
Neptunium-239	U	0.00837	+/-0.0486	0.0873	2.00	pCi/g					
Niobium-94	U	-0.00511	+/-0.0116	0.0207	1.00	pCi/g					
Niobium-95	U	-0.188	+/-0.480	0.744	0.050	pCi/g					
Potassium-40		9.99	+/-0.805	0.184	1.00	pCi/g					
Promethium-144	U	-0.00275	+/-0.017	0.0308	0.080	pCi/g					
Promethium-146	U	-0.00194	+/-0.0148	0.0262	1.00	pCi/g					
Radium-228		0.502	+/-0.110	0.0821	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-297
Sample ID: 137898027

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0383	+/-0.143	0.268	0.800	pCi/g					
Silver-110m	U	-0.00959	+/-0.0179	0.0321	0.080	pCi/g					
Sodium-22	U	-0.000844	+/-0.0148	0.0258	0.080	pCi/g					
Thallium-208		0.185	+/-0.036	0.0268	0.080	pCi/g					
Thorium-230		0.398	+/-0.0651	0.0414	1.00	pCi/g					
Thorium-234	U	0.246	+/-0.329	0.295	2.00	pCi/g					
Tin-113	U	0.031	+/-0.0355	0.0665	0.100	pCi/g					
Uranium-235	U	0.0278	+/-0.0844	0.107	0.500	pCi/g					
Uranium-238	U	0.246	+/-0.329	0.295	1.00	pCi/g					
Yttrium-88	U	0.0319	+/-0.0331	0.0686	0.100	pCi/g					
Zinc-65	U	-0.0993	+/-0.0545	0.0831	0.300	pCi/g					
Zirconium-95	U	0.00354	+/-0.169	0.271	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
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UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-297
Sample ID: 137898027

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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Edith Kent

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-171
Sample ID: 137898028
Matrix: Soil
Collect Date: 20-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.951	+/-0.230	0.177	0.800	pCi/g		AKB 06/29/05	1541	431527	1
Americium-241	U	-0.00384	+/-0.111	0.190	0.200	pCi/g					
Antimony-124	U	-0.00979	+/-0.228	0.450	0.100	pCi/g					
Antimony-125	U	-0.0205	+/-0.0597	0.109	0.200	pCi/g					
Barium-133	U	-0.00979	+/-0.0317	0.0509	0.100	pCi/g					
Barium-140	U	-397	+/-447	0.00	0.500	pCi/g					
Beryllium-7	U	-0.329	+/-1.29	2.35	0.700	pCi/g					
Bismuth-212		0.425	+/-0.383	0.381	0.500	pCi/g					
Bismuth-214		0.643	+/-0.116	0.0779	0.200	pCi/g					
Cerium-139	U	0.0371	+/-0.0459	0.0794	0.050	pCi/g					
Cerium-141	U	0.933	+/-1.10	1.71	0.100	pCi/g					
Cerium-144	U	-0.117	+/-0.196	0.346	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0372	0.0577	0.100	pCi/g					
Cesium-136	UI	0.00	+/-155	0.00	0.300	pCi/g					
Cesium-137	U	0.00115	+/-0.0244	0.0447	0.100	pCi/g					
Chromium-51	U	4.49	+/-9.50	18.3	0.600	pCi/g					
Cobalt-56	U	0.0435	+/-0.068	0.170	0.100	pCi/g					
Cobalt-57	U	0.0319	+/-0.0232	0.0454	0.050	pCi/g					
Cobalt-58	U	-0.0298	+/-0.0986	0.173	0.100	pCi/g					
Cobalt-60	U	-0.011	+/-0.0269	0.0479	0.100	pCi/g					
Europium-152	U	-0.0529	+/-0.0623	0.111	0.200	pCi/g					
Europium-154	U	-0.0203	+/-0.0896	0.140	0.500	pCi/g					
Europium-155	U	0.089	+/-0.128	0.138	0.500	pCi/g					
Iridium-192	U	-0.0477	+/-0.088	0.160	0.100	pCi/g					
Iron-59	U	0.255	+/-0.590	1.15	0.300	pCi/g					
Lead-210	U	3.19	+/-2.94	5.41	4.00	pCi/g					
Lead-212		0.960	+/-0.116	0.077	0.100	pCi/g					
Lead-214		0.664	+/-0.117	0.0845	0.100	pCi/g					
Manganese-54	U	0.019	+/-0.035	0.0664	0.100	pCi/g					
Mercury-203	U	0.333	+/-0.307	0.392	0.100	pCi/g					
Neodymium-147	U	-2210	+/-3380	0.00	1000	pCi/g					
Neptunium-239	U	0.100	+/-0.119	0.228	2.00	pCi/g					
Niobium-94	U	0.0111	+/-0.0229	0.0432	1.00	pCi/g					
Niobium-95	U	0.754	+/-0.864	1.20	0.050	pCi/g					
Potassium-40		15.1	+/-1.52	0.320	1.00	pCi/g					
Promethium-144	U	0.0375	+/-0.0298	0.0601	0.080	pCi/g					
Promethium-146	U	0.00595	+/-0.0287	0.0543	1.00	pCi/g					
Radium-228		0.951	+/-0.230	0.177	0.500	pCi/g					

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-171
Sample ID: 137898028

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.128	+/-0.277	0.484	0.800	pCi/g					
Silver-110m	U	-0.0125	+/-0.0348	0.0612	0.080	pCi/g					
Sodium-22	U	-0.0076	+/-0.0346	0.0541	0.080	pCi/g					
Thallium-208		0.317	+/-0.0641	0.0495	0.080	pCi/g					
Thorium-230		0.643	+/-0.116	0.0779	1.00	pCi/g					
Thorium-234	U	0.865	+/-1.17	1.55	2.00	pCi/g					
Tin-113	U	-0.0074	+/-0.0642	0.120	0.100	pCi/g					
Uranium-235	U	0.166	+/-0.193	0.270	0.500	pCi/g					
Uranium-238	U	0.865	+/-1.17	1.55	1.00	pCi/g					
Yttrium-88	U	-0.00637	+/-0.0599	0.114	0.100	pCi/g					
Zinc-65	U	0.142	+/-0.101	0.193	0.300	pCi/g					
Zirconium-95	U	-0.224	+/-0.247	0.403	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-171 Project: MCTC00402
Sample ID: 137898028 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-173
Sample ID: 137898029
Matrix: Soil
Collect Date: 20-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.601	+/-0.159	0.138	0.800	pCi/g		AKB 06/26/05	1500	431527	1
Americium-241	U	0.0981	+/-0.101	0.179	0.200	pCi/g					
Antimony-124	U	0.0735	+/-0.233	0.487	0.100	pCi/g					
Antimony-125	U	-0.0116	+/-0.0547	0.102	0.200	pCi/g					
Barium-133	U	-0.0846	+/-0.0293	0.0404	0.100	pCi/g					
Barium-140	U	-92.4	+/-320	0.00	0.500	pCi/g					
Beryllium-7	U	-0.693	+/-1.08	1.91	0.700	pCi/g					
Bismuth-212		0.563	+/-0.375	0.319	0.500	pCi/g					
Bismuth-214		0.353	+/-0.0853	0.0614	0.200	pCi/g					
Cerium-139	U	0.0361	+/-0.0381	0.0607	0.050	pCi/g					
Cerium-141	U	0.481	+/-0.765	1.37	0.100	pCi/g					
Cerium-144	U	0.072	+/-0.163	0.308	0.500	pCi/g					
Cesium-134	U	0.041	+/-0.0356	0.0531	0.100	pCi/g					
Cesium-136	UI	0.00	+/-104	0.00	0.300	pCi/g					
Cesium-137	U	0.0124	+/-0.0222	0.043	0.100	pCi/g					
Chromium-51	U	-0.339	+/-7.03	13.4	0.600	pCi/g					
Cobalt-56	U	0.0161	+/-0.0833	0.155	0.100	pCi/g					
Cobalt-57	U	-0.00201	+/-0.0215	0.0398	0.050	pCi/g					
Cobalt-58	U	-0.0513	+/-0.0926	0.158	0.100	pCi/g					
Cobalt-60	U	0.0287	+/-0.0284	0.0517	0.100	pCi/g					
Europium-152	U	0.00574	+/-0.0482	0.0931	0.200	pCi/g					
Europium-154	U	-0.00695	+/-0.0713	0.133	0.500	pCi/g					
Europium-155	U	0.0263	+/-0.0649	0.124	0.500	pCi/g					
Iridium-192	U	-0.0245	+/-0.070	0.131	0.100	pCi/g					
Iron-59	U	0.0647	+/-0.479	0.921	0.300	pCi/g					
Lead-210	U	0.333	+/-2.44	4.33	4.00	pCi/g					
Lead-212		0.645	+/-0.088	0.064	0.100	pCi/g					
Lead-214		0.418	+/-0.0911	0.0638	0.100	pCi/g					
Manganese-54	U	-0.0213	+/-0.032	0.0535	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.279	0.345	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-2540	0.00	1000	pCi/g					
Neptunium-239	U	-0.0252	+/-0.113	0.208	2.00	pCi/g					
Niobium-94	U	-0.00139	+/-0.0183	0.0335	1.00	pCi/g					
Niobium-95	U	0.238	+/-0.607	0.777	0.050	pCi/g					
Potassium-40		11.9	+/-1.25	0.282	1.00	pCi/g					
Promethium-144	U	-0.00255	+/-0.0268	0.0487	0.080	pCi/g					
Promethium-146	U	0.00858	+/-0.0253	0.0489	1.00	pCi/g					
Radium-228		0.601	+/-0.159	0.138	0.500	pCi/g					

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-173 Project: MCTC00402
Sample ID: 137898029 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0551	+/-0.275	0.458	0.800	pCi/g					
Silver-110m	U	-0.0124	+/-0.0302	0.0533	0.080	pCi/g					
Sodium-22	U	-0.0026	+/-0.0275	0.0513	0.080	pCi/g					
Thallium-208		0.259	+/-0.0543	0.0414	0.080	pCi/g					
Thorium-230		0.353	+/-0.0853	0.0613	1.00	pCi/g					
Thorium-234	U	0.750	+/-0.712	1.46	2.00	pCi/g					
Tin-113	U	0.0312	+/-0.0565	0.101	0.100	pCi/g					
Uranium-235	U	0.102	+/-0.145	0.238	0.500	pCi/g					
Uranium-238	U	0.750	+/-0.712	1.46	1.00	pCi/g					
Yttrium-88	U	0.00929	+/-0.0417	0.0905	0.100	pCi/g					
Zinc-65	U	0.0191	+/-0.0877	0.149	0.300	pCi/g					
Zirconium-95	U	-0.0843	+/-0.189	0.329	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-173 Proiect: MCTC00402
Sample ID: 137898029 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-03
Sample ID: 137898031
Matrix: Soil
Collect Date: 07-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.509	+/-0.162	0.148	0.800	pCi/g		AKB 06/26/05	1502	431527	1
Americium-241	U	0.0427	+/-0.107	0.208	0.200	pCi/g					
Antimony-124	U	-0.0121	+/-0.133	0.264	0.100	pCi/g					
Antimony-125	U	0.0345	+/-0.0409	0.0939	0.200	pCi/g					
Barium-133	U	-0.00471	+/-0.0241	0.0432	0.100	pCi/g					
Barium-140	UI	0.00	+/-26.4	0.00	0.500	pCi/g					
Beryllium-7	U	0.359	+/-1.17	1.25	0.700	pCi/g					
Bismuth-212		0.600	+/-0.285	0.256	0.500	pCi/g					
Bismuth-214		0.413	+/-0.0936	0.0635	0.200	pCi/g					
Cerium-139	U	0.00936	+/-0.0272	0.0482	0.050	pCi/g					
Cerium-141	U	0.143	+/-0.261	0.518	0.100	pCi/g					
Cerium-144	U	-0.187	+/-0.145	0.258	0.500	pCi/g					
Cesium-134	U	0.0163	+/-0.0271	0.0528	0.100	pCi/g					
Cesium-136	UI	0.00	+/-10.1	0.00	0.300	pCi/g					
Cesium-137	UUI	0.00	+/-0.0343	0.0352	0.100	pCi/g					
Chromium-51	U	-2.14	+/-2.36	3.99	0.600	pCi/g					
Cobalt-56	U	0.0323	+/-0.0533	0.105	0.100	pCi/g					
Cobalt-57	U	-0.00792	+/-0.0177	0.0339	0.050	pCi/g					
Cobalt-58	U	0.0396	+/-0.0482	0.100	0.100	pCi/g					
Cobalt-60	U	0.00133	+/-0.0249	0.0473	0.100	pCi/g					
Europium-152	U	-0.0274	+/-0.0544	0.0949	0.200	pCi/g					
Europium-154	U	0.0616	+/-0.080	0.132	0.500	pCi/g					
Europium-155	U	0.0234	+/-0.0586	0.119	0.500	pCi/g					
Iridium-192	U	0.0315	+/-0.0488	0.0938	0.100	pCi/g					
Iron-59	U	-0.10	+/-0.260	0.467	0.300	pCi/g					
Lead-210	U	2.01	+/-4.75	8.69	4.00	pCi/g					
Lead-212		0.523	+/-0.0777	0.0601	0.100	pCi/g					
Lead-214		0.408	+/-0.0808	0.0702	0.100	pCi/g					
Manganese-54	U	0.00411	+/-0.0251	0.0472	0.100	pCi/g					
Mercury-203	U	0.0203	+/-0.0906	0.171	0.100	pCi/g					
Neodymium-147	U	-30.4	+/-124	0.00	1000	pCi/g					
Neptunium-239	U	-0.0303	+/-0.099	0.192	2.00	pCi/g					
Niobium-94	U	0.000413	+/-0.0166	0.0313	1.00	pCi/g					
Niobium-95	U	0.012	+/-0.172	0.320	0.050	pCi/g					
Potassium-40		12.9	+/-1.36	0.338	1.00	pCi/g					
Promethium-144	U	-0.00988	+/-0.0221	0.0392	0.080	pCi/g					
Promethium-146	U	0.0104	+/-0.0221	0.0445	1.00	pCi/g					
Radium-228		0.509	+/-0.162	0.148	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-03 Project: MCTC00402
Sample ID: 137898031 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0318	+/-0.193	0.359	0.800	pCi/g					
Silver-110m	U	-0.00902	+/-0.0413	0.0459	0.080	pCi/g					
Sodium-22	U	0.0232	+/-0.030	0.0586	0.080	pCi/g					
Thallium-208		0.209	+/-0.0405	0.0421	0.080	pCi/g					
Thorium-230		0.413	+/-0.0936	0.0634	1.00	pCi/g					
Thorium-234	U	0.267	+/-1.52	1.56	2.00	pCi/g					
Tin-113	U	0.025	+/-0.0432	0.0825	0.100	pCi/g					
Uranium-235	U	0.00885	+/-0.114	0.222	0.500	pCi/g					
Uranium-238	U	0.267	+/-1.52	1.56	1.00	pCi/g					
Yttrium-88	U	0.0112	+/-0.0346	0.0755	0.100	pCi/g					
Zinc-65	U	0.035	+/-0.104	0.128	0.300	pCi/g					
Zirconium-95	U	0.0791	+/-0.110	0.220	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-03 Proiect: MCTC00402
Sample ID: 137898031 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-146
Sample ID: 137898032
Matrix: Soil
Collect Date: 23-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid (Standard List)												
Actinium-228		1.11	+/-0.267	0.181	0.800	pCi/g		AKB	06/26/05	1503	431527	1
Americium-241	U	0.0296	+/-0.0477	0.0815	0.200	pCi/g						
Antimony-124	U	0.0294	+/-0.131	0.267	0.100	pCi/g						
Antimony-125	U	0.0434	+/-0.0633	0.142	0.200	pCi/g						
Barium-133	U	0.0137	+/-0.0344	0.0571	0.100	pCi/g						
Barium-140	U	-7.94	+/-15.1	26.9	0.500	pCi/g						
Beryllium-7	U	0.255	+/-0.669	1.30	0.700	pCi/g						
Bismuth-212		0.914	+/-0.437	0.412	0.500	pCi/g						
Bismuth-214		0.872	+/-0.149	0.0904	0.200	pCi/g						
Cerium-139	U	-0.00919	+/-0.0314	0.059	0.050	pCi/g						
Cerium-141	U	-0.0214	+/-0.239	0.455	0.100	pCi/g						
Cerium-144	U	0.180	+/-0.241	0.291	0.500	pCi/g						
Cesium-134	U	0.0714	+/-0.0584	0.074	0.100	pCi/g						
Cesium-136	U	3.87	+/-5.42	10.6	0.300	pCi/g						
Cesium-137	U	0.00419	+/-0.0283	0.0534	0.100	pCi/g						
Chromium-51	U	0.919	+/-1.91	3.62	0.600	pCi/g						
Cobalt-56	U	0.0323	+/-0.0615	0.119	0.100	pCi/g						
Cobalt-57	U	0.00399	+/-0.024	0.040	0.050	pCi/g						
Cobalt-58	U	-0.0386	+/-0.0658	0.114	0.100	pCi/g						
Cobalt-60	U	-0.00924	+/-0.0258	0.0469	0.100	pCi/g						
Europium-152	U	-0.0119	+/-0.0707	0.128	0.200	pCi/g						
Europium-154	U	-0.0484	+/-0.0945	0.167	0.500	pCi/g						
Europium-155	U	0.0666	+/-0.0773	0.128	0.500	pCi/g						
Iridium-192	U	-0.0157	+/-0.052	0.0937	0.100	pCi/g						
Iron-59	U	-0.144	+/-0.254	0.429	0.300	pCi/g						
Lead-210	U	0.412	+/-0.553	0.651	4.00	pCi/g						
Lead-212		1.09	+/-0.129	0.0764	0.100	pCi/g						
Lead-214		0.944	+/-0.142	0.0874	0.100	pCi/g						
Manganese-54	U	0.00237	+/-0.0364	0.0668	0.100	pCi/g						
Mercury-203	UUI	0.00	+/-0.111	0.150	0.100	pCi/g						
Neodymium-147	U	-23.8	+/-63.9	0.00	1000	pCi/g						
Neptunium-239	U	-0.000309	+/-0.125	0.242	2.00	pCi/g						
Niobium-94	U	0.0171	+/-0.0258	0.0501	1.00	pCi/g						
Niobium-95	U	0.166	+/-0.206	0.357	0.050	pCi/g						
Potassium-40		17.2	+/-1.67	0.362	1.00	pCi/g						
Promethium-144	U	0.00075	+/-0.0306	0.0568	0.080	pCi/g						
Promethium-146	U	0.00971	+/-0.0312	0.0608	1.00	pCi/g						
Radium-228		1.11	+/-0.267	0.181	0.500	pCi/g						

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-146 Project: MCTC00402
Sample ID: 137898032 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0625	+/-0.269	0.495	0.800	pCi/g					
Silver-110m	U	0.0068	+/-0.0323	0.0612	0.080	pCi/g					
Sodium-22	U	-0.0184	+/-0.0352	0.0621	0.080	pCi/g					
Thallium-208		0.400	+/-0.0766	0.0513	0.080	pCi/g					
Thorium-230		0.872	+/-0.149	0.0904	1.00	pCi/g					
Thorium-234	U	0.296	+/-0.817	0.812	2.00	pCi/g					
Tin-113	U	0.0172	+/-0.0528	0.0981	0.100	pCi/g					
Uranium-235	U	0.067	+/-0.145	0.282	0.500	pCi/g					
Uranium-238	U	0.296	+/-0.817	0.812	1.00	pCi/g					
Yttrium-88	U	0.0226	+/-0.0371	0.0828	0.100	pCi/g					
Zinc-65	U	-0.0375	+/-0.094	0.144	0.300	pCi/g					
Zirconium-95	U	0.155	+/-0.130	0.262	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-146
Sample ID: 137898032

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-049
Sample ID: 137898033
Matrix: Soil
Collect Date: 18-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228	UUI	0.00	+/-0.138	0.231	0.800	pCi/g		AKB 06/26/05	1503	431527	1
Americium-241	U	0.0254	+/-0.125	0.216	0.200	pCi/g					
Antimony-124	U	-0.115	+/-0.0944	0.0482	0.100	pCi/g					
Antimony-125	U	-0.0138	+/-0.0576	0.0918	0.200	pCi/g					
Barium-133	U	0.00758	+/-0.0264	0.0452	0.100	pCi/g					
Barium-140	U	4.01	+/-13.9	26.6	0.500	pCi/g					
Beryllium-7	U	-0.0678	+/-0.561	0.907	0.700	pCi/g					
Bismuth-212	U	0.348	+/-0.185	0.404	0.500	pCi/g					
Bismuth-214		0.294	+/-0.0982	0.0734	0.200	pCi/g					
Cerium-139	U	-0.00437	+/-0.0233	0.0415	0.050	pCi/g					
Cerium-141	U	0.00746	+/-0.208	0.377	0.100	pCi/g					
Cerium-144	U	-0.141	+/-0.152	0.223	0.500	pCi/g					
Cesium-134	U	-0.00645	+/-0.0257	0.0452	0.100	pCi/g					
Cesium-136	U	-0.749	+/-5.33	10.0	0.300	pCi/g					
Cesium-137	U	0.00304	+/-0.0195	0.0368	0.100	pCi/g					
Chromium-51	U	0.405	+/-1.89	3.37	0.600	pCi/g					
Cobalt-56	U	-0.0289	+/-0.051	0.0848	0.100	pCi/g					
Cobalt-57	U	-0.00461	+/-0.0171	0.0307	0.050	pCi/g					
Cobalt-58	U	0.0125	+/-0.047	0.0904	0.100	pCi/g					
Cobalt-60	U	0.00267	+/-0.026	0.0501	0.100	pCi/g					
Europium-152	U	0.0145	+/-0.0575	0.0984	0.200	pCi/g					
Europium-154	U	0.00217	+/-0.0787	0.148	0.500	pCi/g					
Europium-155	U	-0.0213	+/-0.0597	0.107	0.500	pCi/g					
Iridium-192	U	0.0133	+/-0.0466	0.0835	0.100	pCi/g					
Iron-59	U	0.126	+/-0.201	0.423	0.300	pCi/g					
Lead-210	U	-2.49	+/-4.64	7.61	4.00	pCi/g					
Lead-212		0.268	+/-0.0942	0.0661	0.100	pCi/g					
Lead-214		0.341	+/-0.102	0.0697	0.100	pCi/g					
Manganese-54	U	0.0119	+/-0.0284	0.0538	0.100	pCi/g					
Mercury-203	U	0.0377	+/-0.0841	0.153	0.100	pCi/g					
Neodymium-147	U	-17.4	+/-64.4	0.00	1000	pCi/g					
Neptunium-239	U	-0.0241	+/-0.102	0.183	2.00	pCi/g					
Niobium-94	U	-0.00879	+/-0.0228	0.0338	1.00	pCi/g					
Niobium-95	U	0.0649	+/-0.155	0.295	0.050	pCi/g					
Potassium-40		6.94	+/-1.16	0.377	1.00	pCi/g					
Promethium-144	U	0.00214	+/-0.0317	0.0378	0.080	pCi/g					
Promethium-146	U	-0.0117	+/-0.0254	0.0451	1.00	pCi/g					
Radium-228	UUI	0.00	+/-0.138	0.231	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-049
Sample ID: 137898033

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0506	+/-0.218	0.388	0.800	pCi/g					
Silver-110m	U	-0.00763	+/-0.0217	0.0385	0.080	pCi/g					
Sodium-22	U	0.001	+/-0.0295	0.0555	0.080	pCi/g					
Thallium-208		0.101	+/-0.0463	0.0373	0.080	pCi/g					
Thorium-230		0.294	+/-0.0982	0.0733	1.00	pCi/g					
Thorium-234	U	0.790	+/-1.02	1.80	2.00	pCi/g					
Tin-113	U	-0.0193	+/-0.0454	0.0707	0.100	pCi/g					
Uranium-235	U	0.0796	+/-0.116	0.217	0.500	pCi/g					
Uranium-238	U	0.790	+/-1.02	1.80	1.00	pCi/g					
Yttrium-88	U	-0.0245	+/-0.0311	0.051	0.100	pCi/g					
Zinc-65	U	0.014	+/-0.0647	0.113	0.300	pCi/g					
Zirconium-95	U	-0.0757	+/-0.105	0.172	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-049
Sample ID: 137898033

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-271
Sample ID: 137898034
Matrix: Soil
Collect Date: 18-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.736	+/-0.161	0.155	0.800	pCi/g		AKB 06/26/05	1504	431527	1
Americium-241	U	-0.0102	+/-0.118	0.169	0.200	pCi/g					
Antimony-124	U	0.047	+/-0.0849	0.187	0.100	pCi/g					
Antimony-125	U	0.0547	+/-0.135	0.108	0.200	pCi/g					
Barium-133	U	-0.0967	+/-0.0353	0.0492	0.100	pCi/g					
Barium-140	U	-1.06	+/-2.80	5.09	0.500	pCi/g					
Beryllium-7	U	0.165	+/-0.373	0.735	0.700	pCi/g					
Bismuth-212		0.547	+/-0.246	0.332	0.500	pCi/g					
Bismuth-214		0.561	+/-0.0834	0.0802	0.200	pCi/g					
Cerium-139	U	0.00577	+/-0.0241	0.0454	0.050	pCi/g					
Cerium-141	U	0.0606	+/-0.114	0.220	0.100	pCi/g					
Cerium-144	U	0.132	+/-0.132	0.263	0.500	pCi/g					
Cesium-134	U	0.0348	+/-0.0399	0.0594	0.100	pCi/g					
Cesium-136	U	-0.251	+/-1.21	2.23	0.300	pCi/g					
Cesium-137	U	-0.00637	+/-0.0232	0.0417	0.100	pCi/g					
Chromium-51	U	0.0653	+/-0.810	1.48	0.600	pCi/g					
Cobalt-56	U	0.0178	+/-0.0381	0.0738	0.100	pCi/g					
Cobalt-57	U	0.00237	+/-0.0164	0.0315	0.050	pCi/g					
Cobalt-58	U	0.00774	+/-0.0405	0.0761	0.100	pCi/g					
Cobalt-60	U	-0.0109	+/-0.0241	0.0426	0.100	pCi/g					
Europium-152	U	0.0809	+/-0.0876	0.102	0.200	pCi/g					
Europium-154	U	0.0386	+/-0.0762	0.152	0.500	pCi/g					
Europium-155	U	0.0374	+/-0.0616	0.122	0.500	pCi/g					
Iridium-192	U	0.0149	+/-0.0353	0.0657	0.100	pCi/g					
Iron-59	U	-0.0325	+/-0.120	0.221	0.300	pCi/g					
Lead-210	U	0.661	+/-2.99	5.13	4.00	pCi/g					
Lead-212		0.667	+/-0.0709	0.0669	0.100	pCi/g					
Lead-214		0.519	+/-0.0877	0.0761	0.100	pCi/g					
Manganese-54	UUI	0.00	+/-0.0387	0.047	0.100	pCi/g					
Mercury-203	U	0.0737	+/-0.0746	0.104	0.100	pCi/g					
Neodymium-147	U	-2.58	+/-10.5	19.4	1000	pCi/g					
Neptunium-239	U	-0.0174	+/-0.109	0.206	2.00	pCi/g					
Niobium-94	U	0.013	+/-0.0202	0.0397	1.00	pCi/g					
Niobium-95	U	0.0826	+/-0.0897	0.165	0.050	pCi/g					
Potassium-40		12.7	+/-1.17	0.310	1.00	pCi/g					
Promethium-144	U	-0.004	+/-0.0224	0.0406	0.080	pCi/g					
Promethium-146	U	0.00398	+/-0.0255	0.0492	1.00	pCi/g					
Radium-228		0.736	+/-0.161	0.155	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-271
Sample ID: 137898034
Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0364	+/-0.214	0.391	0.800	pCi/g					
Silver-110m	U	-0.0134	+/-0.0281	0.0424	0.080	pCi/g					
Sodium-22	U	0.0143	+/-0.0281	0.056	0.080	pCi/g					
Thallium-208		0.221	+/-0.0532	0.043	0.080	pCi/g					
Thorium-230		0.561	+/-0.0834	0.0802	1.00	pCi/g					
Thorium-234	U	0.429	+/-1.32	1.59	2.00	pCi/g					
Tin-113	U	-0.0089	+/-0.0366	0.0686	0.100	pCi/g					
Uranium-235	U	0.0356	+/-0.121	0.232	0.500	pCi/g					
Uranium-238	U	0.429	+/-1.32	1.59	1.00	pCi/g					
Yttrium-88	U	0.00421	+/-0.0287	0.0607	0.100	pCi/g					
Zinc-65	U	-0.0885	+/-0.071	0.115	0.300	pCi/g					
Zirconium-95	U	-0.00066	+/-0.0754	0.139	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
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BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-271
Sample ID: 137898034

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-002
Sample ID: 137898035
Matrix: Soil
Collect Date: 01-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.09	+/-0.218	0.195	0.800	pCi/g		AKB 06/26/05	1504	431527	1
Americium-241	U	0.0683	+/-0.0593	0.229	0.200	pCi/g					
Antimony-124	U	0.00506	+/-0.115	0.225	0.100	pCi/g					
Antimony-125	U	0.0207	+/-0.0838	0.137	0.200	pCi/g					
Barium-133	U	-0.02	+/-0.038	0.0584	0.100	pCi/g					
Barium-140	U	3.54	+/-9.33	17.2	0.500	pCi/g					
Beryllium-7	U	-0.244	+/-0.627	1.10	0.700	pCi/g					
Bismuth-212		0.685	+/-0.405	0.384	0.500	pCi/g					
Bismuth-214		0.952	+/-0.149	0.0885	0.200	pCi/g					
Cerium-139	U	-0.0152	+/-0.0361	0.0635	0.050	pCi/g					
Cerium-141	U	-0.00365	+/-0.245	0.443	0.100	pCi/g					
Cerium-144	U	0.240	+/-0.194	0.371	0.500	pCi/g					
Cesium-134	U	0.068	+/-0.0458	0.0738	0.100	pCi/g					
Cesium-136	U	-1.54	+/-3.51	6.03	0.300	pCi/g					
Cesium-137	U	-0.0187	+/-0.0281	0.0495	0.100	pCi/g					
Chromium-51	U	0.338	+/-1.68	3.16	0.600	pCi/g					
Cobalt-56	U	0.0133	+/-0.0559	0.105	0.100	pCi/g					
Cobalt-57	U	-0.0128	+/-0.0244	0.0438	0.050	pCi/g					
Cobalt-58	U	-0.00957	+/-0.0508	0.0931	0.100	pCi/g					
Cobalt-60	U	0.00651	+/-0.0326	0.0619	0.100	pCi/g					
Europium-152	U	0.00975	+/-0.0746	0.139	0.200	pCi/g					
Europium-154	U	0.0132	+/-0.0812	0.156	0.500	pCi/g					
Europium-155	U	0.0611	+/-0.0855	0.164	0.500	pCi/g					
Iridium-192	U	0.0218	+/-0.0509	0.0972	0.100	pCi/g					
Iron-59	U	0.0524	+/-0.206	0.381	0.300	pCi/g					
Lead-210	U	0.453	+/-3.36	5.97	4.00	pCi/g					
Lead-212		1.19	+/-0.138	0.088	0.100	pCi/g					
Lead-214		0.970	+/-0.148	0.107	0.100	pCi/g					
Manganese-54	U	-0.00802	+/-0.0363	0.0649	0.100	pCi/g					
Mercury-203	U	0.016	+/-0.0901	0.170	0.100	pCi/g					
Neodymium-147	U	-13.1	+/-37.0	64.6	1000	pCi/g					
Neptunium-239	U	0.0547	+/-0.151	0.283	2.00	pCi/g					
Niobium-94	U	-0.00312	+/-0.0282	0.0449	1.00	pCi/g					
Niobium-95	U	0.284	+/-0.170	0.320	0.050	pCi/g					
Potassium-40		15.9	+/-1.92	0.498	1.00	pCi/g					
Promethium-144	U	0.00216	+/-0.0296	0.0554	0.080	pCi/g					
Promethium-146	U	0.0275	+/-0.0336	0.0648	1.00	pCi/g					
Radium-228		1.09	+/-0.218	0.195	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-002
Sample ID: 137898035

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.179	+/-0.250	0.442	0.800	pCi/g					
Silver-110m	U	0.00545	+/-0.0309	0.0586	0.080	pCi/g					
Sodium-22	U	0.00515	+/-0.0302	0.0579	0.080	pCi/g					
Thallium-208		0.363	+/-0.0633	0.0541	0.080	pCi/g					
Thorium-230		0.952	+/-0.149	0.0885	1.00	pCi/g					
Thorium-234	U	1.81	+/-1.53	1.96	2.00	pCi/g					
Tin-113	U	0.00886	+/-0.051	0.0948	0.100	pCi/g					
Uranium-235	U	0.109	+/-0.177	0.328	0.500	pCi/g					
Uranium-238	U	1.81	+/-1.53	1.96	1.00	pCi/g					
Yttrium-88	U	0.0103	+/-0.0407	0.0811	0.100	pCi/g					
Zinc-65	U	-0.0365	+/-0.0991	0.144	0.300	pCi/g					
Zirconium-95	U	0.0854	+/-0.114	0.225	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-002 Project: MCTC00402
Sample ID: 137898035 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-517
Sample ID: 137898036
Matrix: Soil
Collect Date: 27-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.02	+/-0.235	0.160	0.800	pCi/g		AKB 06/26/05	1504	431527	1
Americium-241	U	0.0158	+/-0.105	0.203	0.200	pCi/g					
Antimony-124	U	-0.00819	+/-0.0788	0.149	0.100	pCi/g					
Antimony-125	U	0.0248	+/-0.0611	0.117	0.200	pCi/g					
Barium-133	U	-0.00563	+/-0.0305	0.0495	0.100	pCi/g					
Barium-140	U	3.12	+/-2.67	3.97	0.500	pCi/g					
Beryllium-7	U	0.143	+/-0.382	0.724	0.700	pCi/g					
Bismuth-212		0.661	+/-0.417	0.347	0.500	pCi/g					
Bismuth-214		0.668	+/-0.130	0.079	0.200	pCi/g					
Cerium-139	U	0.00608	+/-0.0253	0.0464	0.050	pCi/g					
Cerium-141	U	0.0134	+/-0.111	0.204	0.100	pCi/g					
Cerium-144	U	0.227	+/-0.183	0.268	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0562	0.0668	0.100	pCi/g					
Cesium-136	U	0.0118	+/-0.708	1.33	0.300	pCi/g					
Cesium-137	U	-0.0149	+/-0.0262	0.0449	0.100	pCi/g					
Chromium-51	U	0.0151	+/-0.766	1.44	0.600	pCi/g					
Cobalt-56	U	0.012	+/-0.0371	0.0722	0.100	pCi/g					
Cobalt-57	U	0.00573	+/-0.0194	0.0362	0.050	pCi/g					
Cobalt-58	U	-0.00116	+/-0.0386	0.0693	0.100	pCi/g					
Cobalt-60	U	0.00638	+/-0.0262	0.0502	0.100	pCi/g					
Europium-152	U	0.00313	+/-0.0643	0.121	0.200	pCi/g					
Europium-154	U	-0.0423	+/-0.0771	0.133	0.500	pCi/g					
Europium-155	U	0.0803	+/-0.0757	0.130	0.500	pCi/g					
Iridium-192	U	0.00391	+/-0.0348	0.0659	0.100	pCi/g					
Iron-59	U	0.0444	+/-0.115	0.222	0.300	pCi/g					
Lead-210	U	-0.749	+/-2.58	4.95	4.00	pCi/g					
Lead-212		0.939	+/-0.112	0.071	0.100	pCi/g					
Lead-214		0.844	+/-0.129	0.0838	0.100	pCi/g					
Manganese-54	U	0.0128	+/-0.027	0.0505	0.100	pCi/g					
Mercury-203	U	-0.0345	+/-0.0511	0.093	0.100	pCi/g					
Neodymium-147	U	-1.26	+/-6.72	10.6	1000	pCi/g					
Neptunium-239	U	-0.00446	+/-0.128	0.236	2.00	pCi/g					
Niobium-94	U	-0.00749	+/-0.0223	0.0389	1.00	pCi/g					
Niobium-95	U	-0.0283	+/-0.0842	0.145	0.050	pCi/g					
Potassium-40		15.5	+/-1.59	0.373	1.00	pCi/g					
Promethium-144	U	0.0082	+/-0.0258	0.0476	0.080	pCi/g					
Promethium-146	U	-0.0198	+/-0.0291	0.0509	1.00	pCi/g					
Radium-228		1.02	+/-0.235	0.160	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-517
Sample ID: 137898036

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0229	+/-0.210	0.381	0.800	pCi/g					
Silver-110m	U	-0.0134	+/-0.0269	0.0464	0.080	pCi/g					
Sodium-22	U	-0.0154	+/-0.0282	0.0487	0.080	pCi/g					
Thallium-208		0.272	+/-0.0635	0.0447	0.080	pCi/g					
Thorium-230		0.668	+/-0.130	0.079	1.00	pCi/g					
Thorium-234	U	0.368	+/-0.894	1.72	2.00	pCi/g					
Tin-113	U	-0.00829	+/-0.0355	0.0654	0.100	pCi/g					
Uranium-235	U	0.0857	+/-0.144	0.267	0.500	pCi/g					
Uranium-238	U	0.368	+/-0.894	1.72	1.00	pCi/g					
Yttrium-88	U	-0.00762	+/-0.0218	0.0419	0.100	pCi/g					
Zinc-65	U	-0.0918	+/-0.0789	0.128	0.300	pCi/g					
Zirconium-95	U	0.0381	+/-0.0758	0.143	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-517
Sample ID: 137898036

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-288
Sample ID: 137898037
Matrix: Soil
Collect Date: 19-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.594	+/-0.182	0.154	0.800	pCi/g		AKB 06/26/05	1506	431527	1
Americium-241	U	-0.0691	+/-0.163	0.285	0.200	pCi/g					
Antimony-124	U	0.0543	+/-0.0812	0.183	0.100	pCi/g					
Antimony-125	U	0.0207	+/-0.0536	0.106	0.200	pCi/g					
Barium-133	U	0.0217	+/-0.0268	0.047	0.100	pCi/g					
Barium-140	U	0.895	+/-2.62	5.12	0.500	pCi/g					
Beryllium-7	U	-0.0226	+/-0.352	0.669	0.700	pCi/g					
Bismuth-212		0.314	+/-0.202	0.301	0.500	pCi/g					
Bismuth-214		0.471	+/-0.0904	0.0818	0.200	pCi/g					
Cerium-139	U	0.00143	+/-0.0256	0.0431	0.050	pCi/g					
Cerium-141	U	0.0559	+/-0.133	0.231	0.100	pCi/g					
Cerium-144	U	-0.0649	+/-0.145	0.269	0.500	pCi/g					
Cesium-134	U	0.0244	+/-0.0315	0.0528	0.100	pCi/g					
Cesium-136	U	0.234	+/-1.05	1.96	0.300	pCi/g					
Cesium-137	U	0.0181	+/-0.0248	0.0487	0.100	pCi/g					
Chromium-51	U	-0.138	+/-0.867	1.55	0.600	pCi/g					
Cobalt-56	U	-0.039	+/-0.0472	0.0652	0.100	pCi/g					
Cobalt-57	U	0.0141	+/-0.0179	0.0355	0.050	pCi/g					
Cobalt-58	U	-0.00505	+/-0.0353	0.0647	0.100	pCi/g					
Cobalt-60	U	0.0437	+/-0.0358	0.0599	0.100	pCi/g					
Europium-152	U	-0.0121	+/-0.0573	0.102	0.200	pCi/g					
Europium-154	U	-0.00386	+/-0.074	0.139	0.500	pCi/g					
Europium-155	U	0.0299	+/-0.0694	0.137	0.500	pCi/g					
Iridium-192	U	0.0146	+/-0.0365	0.068	0.100	pCi/g					
Iron-59	U	0.061	+/-0.111	0.227	0.300	pCi/g					
Lead-210	U	-3.99	+/-7.93	12.8	4.00	pCi/g					
Lead-212		0.547	+/-0.0748	0.0685	0.100	pCi/g					
Lead-214		0.568	+/-0.100	0.0804	0.100	pCi/g					
Manganese-54	U	0.0107	+/-0.0246	0.0474	0.100	pCi/g					
Mercury-203	U	-0.0313	+/-0.0564	0.0985	0.100	pCi/g					
Neodymium-147	U	3.39	+/-9.40	18.3	1000	pCi/g					
Neptunium-239	U	0.203	+/-0.117	0.244	2.00	pCi/g					
Niobium-94	U	0.00379	+/-0.020	0.0378	1.00	pCi/g					
Niobium-95	U	0.138	+/-0.189	0.166	0.050	pCi/g					
Potassium-40		10.7	+/-0.963	0.393	1.00	pCi/g					
Promethium-144	U	0.0021	+/-0.0217	0.0407	0.080	pCi/g					
Promethium-146	U	-0.00775	+/-0.0249	0.0464	1.00	pCi/g					
Radium-228		0.594	+/-0.182	0.154	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-288
Sample ID: 137898037

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.106	+/-0.225	0.396	0.800	pCi/g					
Silver-110m	U	-0.00353	+/-0.025	0.0458	0.080	pCi/g					
Sodium-22	U	-0.00127	+/-0.0272	0.0512	0.080	pCi/g					
Thallium-208		0.207	+/-0.0417	0.0419	0.080	pCi/g					
Thorium-230		0.471	+/-0.0904	0.0818	1.00	pCi/g					
Thorium-234		3.96	+/-1.86	2.13	2.00	pCi/g					
Tin-113	U	0.0082	+/-0.0385	0.0701	0.100	pCi/g					
Uranium-235		0.406	+/-0.264	0.240	0.500	pCi/g					
Uranium-238		3.96	+/-1.86	2.13	1.00	pCi/g					
Yttrium-88	U	-0.00549	+/-0.0297	0.0559	0.100	pCi/g					
Zinc-65	U	-0.00582	+/-0.0659	0.108	0.300	pCi/g					
Zirconium-95	U	0.0435	+/-0.0783	0.152	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-288 Proiect: MCTC00402
Sample ID: 137898037 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-348
Sample ID: 137898038
Matrix: Soil
Collect Date: 20-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.03	+/-0.301	0.220	0.800	pCi/g		AKB 06/26/05	1506	431527	1
Americium-241	U	-0.0088	+/-0.0442	0.081	0.200	pCi/g					
Antimony-124	U	0.0262	+/-0.118	0.245	0.100	pCi/g					
Antimony-125	U	-0.00971	+/-0.0768	0.138	0.200	pCi/g					
Barium-133	U	0.017	+/-0.033	0.0574	0.100	pCi/g					
Barium-140	U	-0.344	+/-3.82	6.74	0.500	pCi/g					
Beryllium-7	U	-0.372	+/-0.481	0.799	0.700	pCi/g					
Bismuth-212		0.807	+/-0.408	0.416	0.500	pCi/g					
Bismuth-214		0.877	+/-0.163	0.104	0.200	pCi/g					
Cerium-139	U	0.00997	+/-0.0266	0.0518	0.050	pCi/g					
Cerium-141	U	0.117	+/-0.169	0.214	0.100	pCi/g					
Cerium-144	U	0.0796	+/-0.167	0.280	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0455	0.0833	0.100	pCi/g					
Cesium-136	U	0.713	+/-1.57	3.00	0.300	pCi/g					
Cesium-137	U	-0.00935	+/-0.0332	0.0609	0.100	pCi/g					
Chromium-51	U	-0.165	+/-1.04	1.89	0.600	pCi/g					
Cobalt-56	U	-0.0272	+/-0.0496	0.0868	0.100	pCi/g					
Cobalt-57	U	-0.0164	+/-0.0193	0.0322	0.050	pCi/g					
Cobalt-58	U	-0.0401	+/-0.0601	0.104	0.100	pCi/g					
Cobalt-60	U	0.0119	+/-0.0367	0.0726	0.100	pCi/g					
Europium-152	U	0.0112	+/-0.0714	0.133	0.200	pCi/g					
Europium-154	U	-0.0114	+/-0.112	0.199	0.500	pCi/g					
Europium-155	U	0.017	+/-0.0964	0.127	0.500	pCi/g					
Iridium-192	U	0.00378	+/-0.0404	0.0752	0.100	pCi/g					
Iron-59	U	0.032	+/-0.180	0.334	0.300	pCi/g					
Lead-210		0.981	+/-0.638	0.574	4.00	pCi/g					
Lead-212		1.15	+/-0.131	0.0737	0.100	pCi/g					
Lead-214		0.799	+/-0.144	0.0936	0.100	pCi/g					
Manganese-54	U	0.0348	+/-0.0392	0.0776	0.100	pCi/g					
Mercury-203	U	0.103	+/-0.119	0.118	0.100	pCi/g					
Neodymium-147	U	-7.03	+/-13.1	22.1	1000	pCi/g					
Neptunium-239	U	-0.0636	+/-0.127	0.219	2.00	pCi/g					
Niobium-94	U	-0.000207	+/-0.0301	0.056	1.00	pCi/g					
Niobium-95	U	-0.0313	+/-0.141	0.223	0.050	pCi/g					
Potassium-40		16.8	+/-1.73	0.475	1.00	pCi/g					
Promethium-144	U	-0.0174	+/-0.0338	0.0602	0.080	pCi/g					
Promethium-146	U	0.0375	+/-0.0356	0.0697	1.00	pCi/g					
Radium-228		1.03	+/-0.301	0.220	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-348 Proiect: MCTC00402
Sample ID: 137898038 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0494	+/-0.267	0.500	0.800	pCi/g					
Silver-110m	U	0.0113	+/-0.0342	0.0662	0.080	pCi/g					
Sodium-22	U	-0.00452	+/-0.0413	0.0732	0.080	pCi/g					
Thallium-208		0.338	+/-0.0736	0.0575	0.080	pCi/g					
Thorium-230		0.877	+/-0.163	0.104	1.00	pCi/g					
Thorium-234	U	0.607	+/-0.772	0.816	2.00	pCi/g					
Tin-113	U	-0.00167	+/-0.051	0.0923	0.100	pCi/g					
Uranium-235	U	0.176	+/-0.235	0.277	0.500	pCi/g					
Uranium-238	U	0.607	+/-0.772	0.816	1.00	pCi/g					
Yttrium-88	U	-0.0117	+/-0.0397	0.0742	0.100	pCi/g					
Zinc-65	U	-0.0862	+/-0.107	0.175	0.300	pCi/g					
Zirconium-95	U	-0.0761	+/-0.111	0.193	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-348
Sample ID: 137898038
Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-292
Sample ID: 137898039
Matrix: Soil
Collect Date: 19-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.17	+/-0.267	0.213	0.800	pCi/g		AKB 06/26/05	1506	431527	1
Americium-241	U	-0.0751	+/-0.180	0.286	0.200	pCi/g					
Antimony-124	U	-0.0155	+/-0.103	0.200	0.100	pCi/g					
Antimony-125	U	0.0352	+/-0.089	0.165	0.200	pCi/g					
Barium-133	U	-0.0164	+/-0.0463	0.0706	0.100	pCi/g					
Barium-140	U	0.445	+/-4.14	7.50	0.500	pCi/g					
Beryllium-7	U	0.239	+/-0.580	1.08	0.700	pCi/g					
Bismuth-212		0.781	+/-0.469	0.472	0.500	pCi/g					
Bismuth-214		0.836	+/-0.144	0.109	0.200	pCi/g					
Cerium-139	U	0.0393	+/-0.036	0.0665	0.050	pCi/g					
Cerium-141	U	0.111	+/-0.183	0.333	0.100	pCi/g					
Cerium-144	U	0.0573	+/-0.238	0.378	0.500	pCi/g					
Cesium-134	U	0.0681	+/-0.0537	0.0859	0.100	pCi/g					
Cesium-136	U	-0.181	+/-1.51	2.75	0.300	pCi/g					
Cesium-137	U	-0.0223	+/-0.0352	0.0587	0.100	pCi/g					
Chromium-51	U	-0.651	+/-1.30	2.30	0.600	pCi/g					
Cobalt-56	U	0.0777	+/-0.0821	0.110	0.100	pCi/g					
Cobalt-57	U	-0.00109	+/-0.0265	0.0475	0.050	pCi/g					
Cobalt-58	U	0.0903	+/-0.0726	0.124	0.100	pCi/g					
Cobalt-60	U	0.00343	+/-0.0389	0.0714	0.100	pCi/g					
Europium-152	U	-0.0736	+/-0.101	0.149	0.200	pCi/g					
Europium-154	U	0.00577	+/-0.142	0.220	0.500	pCi/g					
Europium-155	U	0.0393	+/-0.0956	0.176	0.500	pCi/g					
Iridium-192	U	0.0348	+/-0.0464	0.0962	0.100	pCi/g					
Iron-59	U	0.0889	+/-0.191	0.364	0.300	pCi/g					
Lead-210	U	0.145	+/-4.58	7.56	4.00	pCi/g					
Lead-212		1.11	+/-0.158	0.0953	0.100	pCi/g					
Lead-214		1.03	+/-0.170	0.112	0.100	pCi/g					
Manganese-54	UUI	0.00	+/-0.0425	0.0732	0.100	pCi/g					
Mercury-203	U	0.062	+/-0.0833	0.158	0.100	pCi/g					
Neodymium-147	U	0.539	+/-14.3	25.8	1000	pCi/g					
Neptunium-239	U	0.132	+/-0.170	0.316	2.00	pCi/g					
Niobium-94	U	0.0283	+/-0.0321	0.0608	1.00	pCi/g					
Niobium-95	U	0.127	+/-0.163	0.246	0.050	pCi/g					
Potassium-40		18.0	+/-1.97	0.577	1.00	pCi/g					
Promethium-144	U	0.000422	+/-0.0373	0.0659	0.080	pCi/g					
Promethium-146	U	0.0387	+/-0.041	0.0786	1.00	pCi/g					
Radium-228		1.17	+/-0.267	0.213	0.500	pCi/g					

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-292
Sample ID: 137898039
Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0114	+/-0.306	0.550	0.800	pCi/g					
Silver-110m	U	-0.00495	+/-0.0372	0.0654	0.080	pCi/g					
Sodium-22	U	0.00212	+/-0.0522	0.0809	0.080	pCi/g					
Thallium-208		0.355	+/-0.082	0.065	0.080	pCi/g					
Thorium-230		0.836	+/-0.144	0.109	1.00	pCi/g					
Thorium-234	U	0.887	+/-1.45	2.40	2.00	pCi/g					
Tin-113	U	0.00639	+/-0.0577	0.105	0.100	pCi/g					
Uranium-235	U	0.136	+/-0.196	0.356	0.500	pCi/g					
Uranium-238	U	0.887	+/-1.45	2.40	1.00	pCi/g					
Yttrium-88	U	0.00608	+/-0.0409	0.0828	0.100	pCi/g					
Zinc-65	U	0.0448	+/-0.109	0.180	0.300	pCi/g					
Zirconium-95	U	-0.00816	+/-0.130	0.206	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1158	431301

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-292 Project: MCTC00402
Sample ID: 137898039 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-208
Sample ID: 137898041
Matrix: Soil
Collect Date: 12-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid (Standard List)												
Actinium-228		0.947	+/-0.221	0.169	0.800	pCi/g		AKB	06/26/05	1732	431530	1
Americium-241	U	-0.0308	+/-0.140	0.187	0.200	pCi/g						
Antimony-124	U	-0.0751	+/-0.107	0.182	0.100	pCi/g						
Antimony-125	U	-0.036	+/-0.0743	0.110	0.200	pCi/g						
Barium-133	U	-0.0145	+/-0.0312	0.0474	0.100	pCi/g						
Barium-140	U	3.02	+/-4.48	8.64	0.500	pCi/g						
Beryllium-7	U	-0.0561	+/-0.444	0.789	0.700	pCi/g						
Bismuth-212		0.965	+/-0.464	0.400	0.500	pCi/g						
Bismuth-214		0.626	+/-0.133	0.198	0.200	pCi/g						
Cerium-139	U	0.0272	+/-0.0365	0.046	0.050	pCi/g						
Cerium-141	U	-0.0961	+/-0.157	0.272	0.100	pCi/g						
Cerium-144	U	0.174	+/-0.178	0.271	0.500	pCi/g						
Cesium-134	U	0.0381	+/-0.0333	0.0655	0.100	pCi/g						
Cesium-136	U	0.965	+/-1.85	3.29	0.300	pCi/g						
Cesium-137	U	0.0033	+/-0.0285	0.0525	0.100	pCi/g						
Chromium-51	U	0.817	+/-1.11	2.12	0.600	pCi/g						
Cobalt-56	U	-0.0333	+/-0.0444	0.074	0.100	pCi/g						
Cobalt-57	U	0.00862	+/-0.0197	0.0367	0.050	pCi/g						
Cobalt-58	U	-0.00836	+/-0.0536	0.0827	0.100	pCi/g						
Cobalt-60	U	-0.00586	+/-0.0338	0.0517	0.100	pCi/g						
Europium-152	U	0.000398	+/-0.0708	0.129	0.200	pCi/g						
Europium-154	U	0.0157	+/-0.0903	0.168	0.500	pCi/g						
Europium-155	U	0.0641	+/-0.0762	0.145	0.500	pCi/g						
Iridium-192	U	0.00717	+/-0.0396	0.0737	0.100	pCi/g						
Iron-59	U	-0.048	+/-0.169	0.303	0.300	pCi/g						
Lead-210	U	2.22	+/-2.61	4.81	4.00	pCi/g						
Lead-212		0.814	+/-0.105	0.0709	0.100	pCi/g						
Lead-214		0.769	+/-0.119	0.0802	0.100	pCi/g						
Manganese-54	U	-0.00523	+/-0.031	0.0551	0.100	pCi/g						
Mercury-203	U	0.0689	+/-0.0744	0.130	0.100	pCi/g						
Neodymium-147	U	-4.23	+/-16.7	30.6	1000	pCi/g						
Neptunium-239	U	0.0815	+/-0.128	0.241	2.00	pCi/g						
Niobium-94	UUI	0.00	+/-0.057	0.0494	1.00	pCi/g						
Niobium-95	U	0.0169	+/-0.110	0.202	0.050	pCi/g						
Potassium-40		15.5	+/-1.55	0.459	1.00	pCi/g						
Promethium-144	U	-0.0107	+/-0.028	0.0495	0.080	pCi/g						
Promethium-146	U	-0.00664	+/-0.0297	0.0522	1.00	pCi/g						
Radium-228		0.947	+/-0.221	0.169	0.500	pCi/g						

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-208
Sample ID: 137898041

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0448	+/-0.249	0.454	0.800	pCi/g					
Silver-110m	U	0.00329	+/-0.0304	0.0562	0.080	pCi/g					
Sodium-22	U	0.00581	+/-0.0333	0.062	0.080	pCi/g					
Thallium-208		0.225	+/-0.0637	0.0477	0.080	pCi/g					
Thorium-230		0.626	+/-0.133	0.0854	1.00	pCi/g					
Thorium-234	U	0.583	+/-1.46	1.64	2.00	pCi/g					
Tin-113	U	-0.00709	+/-0.0453	0.081	0.100	pCi/g					
Uranium-235	U	0.197	+/-0.146	0.272	0.500	pCi/g					
Uranium-238	U	0.583	+/-1.46	1.64	1.00	pCi/g					
Yttrium-88	U	-0.00252	+/-0.0358	0.0693	0.100	pCi/g					
Zinc-65	U	0.0613	+/-0.0697	0.128	0.300	pCi/g					
Zirconium-95	U	0.0536	+/-0.0913	0.176	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-208
Sample ID: 137898041

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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Edith Kent
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-133
Sample ID: 137898042
Matrix: Soil
Collect Date: 08-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.938	+/-0.231	0.120	0.800	pCi/g		AKB 06/26/05	1733	431530	1
Americium-241	U	0.0937	+/-0.137	0.248	0.200	pCi/g					
Antimony-124	U	0.0158	+/-0.0871	0.184	0.100	pCi/g					
Antimony-125	U	0.0801	+/-0.0541	0.115	0.200	pCi/g					
Barium-133	U	-0.00187	+/-0.0287	0.0461	0.100	pCi/g					
Barium-140	U	2.14	+/-4.76	9.30	0.500	pCi/g					
Beryllium-7	U	0.0597	+/-0.409	0.794	0.700	pCi/g					
Bismuth-212		0.776	+/-0.311	0.276	0.500	pCi/g					
Bismuth-214		0.514	+/-0.103	0.0809	0.200	pCi/g					
Cerium-139	U	0.00783	+/-0.0232	0.0452	0.050	pCi/g					
Cerium-141	U	0.0882	+/-0.135	0.265	0.100	pCi/g					
Cerium-144	U	-0.081	+/-0.154	0.260	0.500	pCi/g					
Cesium-134	U	0.0508	+/-0.0383	0.0552	0.100	pCi/g					
Cesium-136	U	-0.0738	+/-1.94	3.66	0.300	pCi/g					
Cesium-137	U	-0.00928	+/-0.0335	0.0367	0.100	pCi/g					
Chromium-51	U	0.623	+/-1.13	2.15	0.600	pCi/g					
Cobalt-56	U	0.00129	+/-0.044	0.0712	0.100	pCi/g					
Cobalt-57	U	-0.00379	+/-0.0172	0.0335	0.050	pCi/g					
Cobalt-58	U	-0.0192	+/-0.0446	0.0779	0.100	pCi/g					
Cobalt-60	U	0.0153	+/-0.0254	0.0513	0.100	pCi/g					
Europium-152	U	0.0178	+/-0.0575	0.107	0.200	pCi/g					
Europium-154	U	-0.0059	+/-0.079	0.146	0.500	pCi/g					
Europium-155	U	0.0367	+/-0.066	0.134	0.500	pCi/g					
Iridium-192	U	0.00429	+/-0.0365	0.0675	0.100	pCi/g					
Iron-59	U	-0.0417	+/-0.150	0.274	0.300	pCi/g					
Lead-210	U	1.09	+/-5.19	9.30	4.00	pCi/g					
Lead-212		0.790	+/-0.112	0.0897	0.100	pCi/g					
Lead-214		0.598	+/-0.115	0.0682	0.100	pCi/g					
Manganese-54	U	0.0222	+/-0.0261	0.0484	0.100	pCi/g					
Mercury-203	U	0.0173	+/-0.0719	0.121	0.100	pCi/g					
Neodymium-147	U	15.2	+/-22.0	35.7	1000	pCi/g					
Neptunium-239	U	-0.0503	+/-0.110	0.211	2.00	pCi/g					
Niobium-94	U	0.0271	+/-0.0209	0.0427	1.00	pCi/g					
Niobium-95	U	0.160	+/-0.113	0.214	0.050	pCi/g					
Potassium-40		14.4	+/-1.50	0.305	1.00	pCi/g					
Promethium-144	U	0.0068	+/-0.0233	0.0443	0.080	pCi/g					
Promethium-146	U	0.0197	+/-0.0263	0.0529	1.00	pCi/g					
Radium-228		0.938	+/-0.231	0.120	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-133
Sample ID: 137898042

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0943	+/-0.204	0.399	0.800	pCi/g					
Silver-110m	U	0.0111	+/-0.0389	0.0479	0.080	pCi/g					
Sodium-22	U	-0.00226	+/-0.0292	0.0538	0.080	pCi/g					
Thallium-208		0.253	+/-0.051	0.0434	0.080	pCi/g					
Thorium-230		0.514	+/-0.103	0.0809	1.00	pCi/g					
Thorium-234	U	1.43	+/-1.69	1.85	2.00	pCi/g					
Tin-113	U	0.00183	+/-0.0408	0.0737	0.100	pCi/g					
Uranium-235	U	0.120	+/-0.145	0.241	0.500	pCi/g					
Uranium-238	U	1.43	+/-1.69	1.85	1.00	pCi/g					
Yttrium-88	U	0.0234	+/-0.026	0.0637	0.100	pCi/g					
Zinc-65	U	0.0239	+/-0.0639	0.112	0.300	pCi/g					
Zirconium-95	U	0.0681	+/-0.0831	0.166	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-133
Sample ID: 137898042

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-078
Sample ID: 137898043
Matrix: Soil
Collect Date: 06-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.639	+/-0.216	0.176	0.800	pCi/g		AKB 06/26/05	1733	431530	1
Americium-241	U	0.011	+/-0.0415	0.0762	0.200	pCi/g					
Antimony-124	U	0.0294	+/-0.107	0.226	0.100	pCi/g					
Antimony-125	U	-0.00998	+/-0.078	0.138	0.200	pCi/g					
Barium-133	U	-0.0139	+/-0.0366	0.0551	0.100	pCi/g					
Barium-140	U	0.493	+/-6.84	12.9	0.500	pCi/g					
Beryllium-7	U	-0.194	+/-0.609	1.11	0.700	pCi/g					
Bismuth-212		0.970	+/-0.434	0.436	0.500	pCi/g					
Bismuth-214		0.604	+/-0.138	0.103	0.200	pCi/g					
Cerium-139	U	0.00974	+/-0.029	0.0548	0.050	pCi/g					
Cerium-141	U	0.110	+/-0.181	0.348	0.100	pCi/g					
Cerium-144	U	-0.0676	+/-0.162	0.299	0.500	pCi/g					
Cesium-134	U	0.0322	+/-0.0331	0.0664	0.100	pCi/g					
Cesium-136	U	-2.55	+/-2.50	3.90	0.300	pCi/g					
Cesium-137		0.211	+/-0.060	0.0549	0.100	pCi/g					
Chromium-51	U	0.414	+/-1.48	2.72	0.600	pCi/g					
Cobalt-56	U	-0.00931	+/-0.0541	0.0974	0.100	pCi/g					
Cobalt-57	U	-0.00876	+/-0.0201	0.0373	0.050	pCi/g					
Cobalt-58	U	0.00769	+/-0.0576	0.112	0.100	pCi/g					
Cobalt-60	U	0.0101	+/-0.031	0.0609	0.100	pCi/g					
Europium-152	U	0.0509	+/-0.0871	0.144	0.200	pCi/g					
Europium-154	U	-0.0124	+/-0.0899	0.166	0.500	pCi/g					
Europium-155	U	0.0804	+/-0.088	0.131	0.500	pCi/g					
Iridium-192	U	-0.00389	+/-0.0478	0.0861	0.100	pCi/g					
Iron-59	U	0.0392	+/-0.199	0.325	0.300	pCi/g					
Lead-210		0.999	+/-0.711	0.613	4.00	pCi/g					
Lead-212		0.936	+/-0.120	0.0747	0.100	pCi/g					
Lead-214		0.683	+/-0.126	0.0884	0.100	pCi/g					
Manganese-54	U	0.0188	+/-0.0347	0.0665	0.100	pCi/g					
Mercury-203	U	0.0013	+/-0.0909	0.145	0.100	pCi/g					
Neodymium-147	U	-28.3	+/-26.7	44.9	1000	pCi/g					
Neptunium-239	U	0.0435	+/-0.126	0.243	2.00	pCi/g					
Niobium-94	U	0.00326	+/-0.0264	0.0491	1.00	pCi/g					
Niobium-95	U	0.00953	+/-0.156	0.250	0.050	pCi/g					
Potassium-40		14.4	+/-1.62	0.467	1.00	pCi/g					
Promethium-144	U	0.0142	+/-0.0364	0.0598	0.080	pCi/g					
Promethium-146	U	0.0262	+/-0.0305	0.0613	1.00	pCi/g					
Radium-228		0.639	+/-0.216	0.176	0.500	pCi/g					

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-078
Sample ID: 137898043

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.165	+/-0.276	0.483	0.800	pCi/g					
Silver-110m	U	0.00699	+/-0.0324	0.0542	0.080	pCi/g					
Sodium-22	U	-0.00429	+/-0.0333	0.0617	0.080	pCi/g					
Thallium-208		0.253	+/-0.0749	0.0521	0.080	pCi/g					
Thorium-230		0.604	+/-0.138	0.103	1.00	pCi/g					
Thorium-234	U	0.585	+/-0.502	0.771	2.00	pCi/g					
Tin-113	U	0.014	+/-0.0499	0.0915	0.100	pCi/g					
Uranium-235	U	0.0583	+/-0.146	0.277	0.500	pCi/g					
Uranium-238	U	0.585	+/-0.502	0.771	1.00	pCi/g					
Yttrium-88	U	-0.00165	+/-0.0401	0.0781	0.100	pCi/g					
Zinc-65	U	0.00999	+/-0.0846	0.141	0.300	pCi/g					
Zirconium-95	U	-0.0379	+/-0.116	0.206	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-078
Sample ID: 137898043

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-199
Sample ID: 137898044
Matrix: Soil
Collect Date: 12-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid (Standard List)												
Actinium-228		0.792	+/-0.201	0.171	0.800	pCi/g		AKB	06/26/05	1734	431530	1
Americium-241	U	0.00775	+/-0.111	0.184	0.200	pCi/g						
Antimony-124	U	0.0764	+/-0.093	0.214	0.100	pCi/g						
Antimony-125	U	-0.00692	+/-0.057	0.107	0.200	pCi/g						
Barium-133	U	0.00881	+/-0.0285	0.0472	0.100	pCi/g						
Barium-140	U	-1.06	+/-4.30	7.86	0.500	pCi/g						
Beryllium-7	U	-0.15	+/-0.430	0.786	0.700	pCi/g						
Bismuth-212		0.577	+/-0.309	0.345	0.500	pCi/g						
Bismuth-214		0.516	+/-0.0882	0.080	0.200	pCi/g						
Cerium-139	U	-0.00729	+/-0.0233	0.0427	0.050	pCi/g						
Cerium-141	U	-0.0132	+/-0.137	0.255	0.100	pCi/g						
Cerium-144	U	0.101	+/-0.138	0.271	0.500	pCi/g						
Cesium-134	U	0.040	+/-0.0302	0.0618	0.100	pCi/g						
Cesium-136	U	-0.553	+/-1.46	2.67	0.300	pCi/g						
Cesium-137	U	-0.00978	+/-0.0228	0.0404	0.100	pCi/g						
Chromium-51	U	0.425	+/-1.03	1.91	0.600	pCi/g						
Cobalt-56	U	0.0156	+/-0.0407	0.0781	0.100	pCi/g						
Cobalt-57	U	-0.00409	+/-0.0168	0.0315	0.050	pCi/g						
Cobalt-58	U	-0.0212	+/-0.0475	0.0703	0.100	pCi/g						
Cobalt-60	U	0.0107	+/-0.0256	0.0514	0.100	pCi/g						
Europium-152	U	-0.0224	+/-0.0621	0.108	0.200	pCi/g						
Europium-154	U	0.0734	+/-0.080	0.166	0.500	pCi/g						
Europium-155	U	0.0155	+/-0.0641	0.124	0.500	pCi/g						
Iridium-192	U	-0.0166	+/-0.0374	0.0647	0.100	pCi/g						
Iron-59	U	-0.0881	+/-0.135	0.236	0.300	pCi/g						
Lead-210	U	1.77	+/-3.12	5.45	4.00	pCi/g						
Lead-212		0.765	+/-0.0807	0.0755	0.100	pCi/g						
Lead-214		0.557	+/-0.103	0.076	0.100	pCi/g						
Manganese-54	U	0.0151	+/-0.0278	0.0498	0.100	pCi/g						
Mercury-203	U	0.0749	+/-0.101	0.107	0.100	pCi/g						
Neodymium-147	U	12.7	+/-15.2	30.6	1000	pCi/g						
Neptunium-239	U	0.00975	+/-0.110	0.210	2.00	pCi/g						
Niobium-94	U	0.0114	+/-0.0205	0.0399	1.00	pCi/g						
Niobium-95	U	-0.0567	+/-0.113	0.194	0.050	pCi/g						
Potassium-40		11.7	+/-1.12	0.318	1.00	pCi/g						
Promethium-144	U	0.0113	+/-0.024	0.0463	0.080	pCi/g						
Promethium-146	U	0.00413	+/-0.0244	0.0471	1.00	pCi/g						
Radium-228		0.792	+/-0.201	0.171	0.500	pCi/g						

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-199
Sample ID: 137898044

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0391	+/-0.220	0.416	0.800	pCi/g					
Silver-110m	U	0.000255	+/-0.0237	0.0443	0.080	pCi/g					
Sodium-22	U	0.0266	+/-0.0295	0.061	0.080	pCi/g					
Thallium-208		0.337	+/-0.068	0.042	0.080	pCi/g					
Thorium-230		0.516	+/-0.0882	0.080	1.00	pCi/g					
Thorium-234	U	1.11	+/-1.52	1.50	2.00	pCi/g					
Tin-113	U	-0.0204	+/-0.0377	0.0689	0.100	pCi/g					
Uranium-235	U	0.0579	+/-0.125	0.240	0.500	pCi/g					
Uranium-238	U	1.11	+/-1.52	1.50	1.00	pCi/g					
Yttrium-88	U	-0.00488	+/-0.0339	0.0665	0.100	pCi/g					
Zinc-65	U	-0.0407	+/-0.0764	0.134	0.300	pCi/g					
Zirconium-95	U	0.0824	+/-0.0823	0.168	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-199
Sample ID: 137898044

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-168
Sample ID: 137898045
Matrix: Soil
Collect Date: 10-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.897	+/-0.210	0.164	0.800	pCi/g		AKB 06/26/05	1734	431530	1
Americium-241	U	0.184	+/-0.147	0.226	0.200	pCi/g					
Antimony-124	U	-0.0177	+/-0.0828	0.159	0.100	pCi/g					
Antimony-125	U	0.0126	+/-0.0742	0.137	0.200	pCi/g					
Barium-133	U	0.00839	+/-0.0342	0.057	0.100	pCi/g					
Barium-140	U	4.79	+/-5.27	9.94	0.500	pCi/g					
Beryllium-7	U	-0.0678	+/-0.541	0.970	0.700	pCi/g					
Bismuth-212		0.485	+/-0.392	0.424	0.500	pCi/g					
Bismuth-214		0.695	+/-0.136	0.0976	0.200	pCi/g					
Cerium-139	U	-0.00857	+/-0.0336	0.0594	0.050	pCi/g					
Cerium-141	U	0.180	+/-0.183	0.347	0.100	pCi/g					
Cerium-144	U	0.0451	+/-0.210	0.347	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0582	0.0727	0.100	pCi/g					
Cesium-136	U	0.875	+/-2.12	4.01	0.300	pCi/g					
Cesium-137	U	0.0245	+/-0.0234	0.0432	0.100	pCi/g					
Chromium-51	U	0.218	+/-1.27	2.40	0.600	pCi/g					
Cobalt-56	U	-0.0138	+/-0.0476	0.0854	0.100	pCi/g					
Cobalt-57	U	0.00221	+/-0.0233	0.0431	0.050	pCi/g					
Cobalt-58	U	-0.0231	+/-0.0464	0.0819	0.100	pCi/g					
Cobalt-60	U	0.00619	+/-0.0275	0.0477	0.100	pCi/g					
Europium-152	U	-0.0832	+/-0.0823	0.120	0.200	pCi/g					
Europium-154	U	0.00796	+/-0.0817	0.155	0.500	pCi/g					
Europium-155	U	0.0639	+/-0.120	0.171	0.500	pCi/g					
Iridium-192	U	0.00032	+/-0.0477	0.0886	0.100	pCi/g					
Iron-59	U	0.0747	+/-0.375	0.299	0.300	pCi/g					
Lead-210	U	3.85	+/-3.35	6.26	4.00	pCi/g					
Lead-212		0.853	+/-0.122	0.0854	0.100	pCi/g					
Lead-214		0.829	+/-0.139	0.0949	0.100	pCi/g					
Manganese-54	U	0.00784	+/-0.0334	0.0623	0.100	pCi/g					
Mercury-203	U	0.00507	+/-0.100	0.123	0.100	pCi/g					
Neodymium-147	U	1.16	+/-19.5	35.6	1000	pCi/g					
Neptunium-239	U	0.108	+/-0.151	0.269	2.00	pCi/g					
Niobium-94	U	0.0162	+/-0.0243	0.0476	1.00	pCi/g					
Niobium-95	U	0.0637	+/-0.119	0.229	0.050	pCi/g					
Potassium-40		14.1	+/-1.75	0.434	1.00	pCi/g					
Promethium-144	U	-0.0165	+/-0.0272	0.0481	0.080	pCi/g					
Promethium-146	U	0.000542	+/-0.035	0.0636	1.00	pCi/g					
Radium-228		0.897	+/-0.210	0.164	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-168
Sample ID: 137898045

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.124	+/-0.269	0.486	0.800	pCi/g					
Silver-110m	U	-0.0268	+/-0.0296	0.051	0.080	pCi/g					
Sodium-22	U	0.00319	+/-0.0302	0.0576	0.080	pCi/g					
Thallium-208		0.323	+/-0.0746	0.0511	0.080	pCi/g					
Thorium-230		0.694	+/-0.136	0.0976	1.00	pCi/g					
Thorium-234	U	1.64	+/-1.58	1.89	2.00	pCi/g					
Tin-113	U	0.00426	+/-0.0494	0.091	0.100	pCi/g					
Uranium-235	U	0.0261	+/-0.164	0.300	0.500	pCi/g					
Uranium-238	U	1.64	+/-1.58	1.89	1.00	pCi/g					
Yttrium-88	U	0.0226	+/-0.0344	0.0751	0.100	pCi/g					
Zinc-65	U	-0.0285	+/-0.0915	0.134	0.300	pCi/g					
Zirconium-95	U	0.0211	+/-0.101	0.190	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-168
Sample ID: 137898045

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-038
Sample ID: 137898047
Matrix: Soil
Collect Date: 15-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.07	+/-0.276	0.190	0.800	pCi/g		AKB 06/26/05	1735	431530	1
Americium-241	U	-0.157	+/-0.158	0.244	0.200	pCi/g					
Antimony-124	U	-0.0246	+/-0.180	0.342	0.100	pCi/g					
Antimony-125	U	-0.0255	+/-0.0834	0.149	0.200	pCi/g					
Barium-133	U	0.0415	+/-0.0384	0.0674	0.100	pCi/g					
Barium-140	U	-0.235	+/-29.5	0.00	0.500	pCi/g					
Beryllium-7	U	0.833	+/-0.867	1.68	0.700	pCi/g					
Bismuth-212		0.635	+/-0.411	0.472	0.500	pCi/g					
Bismuth-214		0.693	+/-0.136	0.0933	0.200	pCi/g					
Cerium-139	U	-0.0109	+/-0.0377	0.0667	0.050	pCi/g					
Cerium-141	U	0.249	+/-0.334	0.621	0.100	pCi/g					
Cerium-144	U	-0.192	+/-0.252	0.378	0.500	pCi/g					
Cesium-134	U	0.0702	+/-0.0651	0.0813	0.100	pCi/g					
Cesium-136	U	-5.97	+/-9.12	15.6	0.300	pCi/g					
Cesium-137	U	-0.0233	+/-0.0331	0.0552	0.100	pCi/g					
Chromium-51	U	-0.57	+/-2.87	5.23	0.600	pCi/g					
Cobalt-56	U	-0.0229	+/-0.0712	0.128	0.100	pCi/g					
Cobalt-57	U	0.0272	+/-0.0255	0.0486	0.050	pCi/g					
Cobalt-58	U	-0.0307	+/-0.0883	0.135	0.100	pCi/g					
Cobalt-60	U	0.0144	+/-0.0354	0.0679	0.100	pCi/g					
Europium-152	U	-0.0512	+/-0.0864	0.153	0.200	pCi/g					
Europium-154	U	-0.0138	+/-0.0976	0.176	0.500	pCi/g					
Europium-155	U	0.110	+/-0.0895	0.172	0.500	pCi/g					
Iridium-192	U	0.0333	+/-0.0674	0.128	0.100	pCi/g					
Iron-59	U	0.0201	+/-0.288	0.533	0.300	pCi/g					
Lead-210	U	4.03	+/-4.02	7.14	4.00	pCi/g					
Lead-212		1.08	+/-0.153	0.098	0.100	pCi/g					
Lead-214		0.832	+/-0.158	0.0947	0.100	pCi/g					
Manganese-54	U	0.0275	+/-0.0368	0.0726	0.100	pCi/g					
Mercury-203	U	0.0733	+/-0.150	0.216	0.100	pCi/g					
Neodymium-147	U	-119	+/-136	0.00	1000	pCi/g					
Neptunium-239	U	-0.0281	+/-0.153	0.276	2.00	pCi/g					
Niobium-94	U	0.00507	+/-0.0294	0.0532	1.00	pCi/g					
Niobium-95	U	0.246	+/-0.220	0.444	0.050	pCi/g					
Potassium-40		14.8	+/-1.64	0.510	1.00	pCi/g					
Promethium-144	U	0.0293	+/-0.034	0.0654	0.080	pCi/g					
Promethium-146	U	0.00344	+/-0.0348	0.0642	1.00	pCi/g					
Radium-228		1.07	+/-0.276	0.190	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-038
Sample ID: 137898047

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.00493	+/-0.351	0.548	0.800	pCi/g					
Silver-110m	U	0.0144	+/-0.0388	0.0717	0.080	pCi/g					
Sodium-22	U	-0.00516	+/-0.0366	0.0658	0.080	pCi/g					
Thallium-208		0.311	+/-0.0695	0.0599	0.080	pCi/g					
Thorium-230		0.693	+/-0.136	0.0933	1.00	pCi/g					
Thorium-234	U	0.837	+/-1.32	2.22	2.00	pCi/g					
Tin-113	U	0.0164	+/-0.0612	0.114	0.100	pCi/g					
Uranium-235	U	-0.20	+/-0.176	0.296	0.500	pCi/g					
Uranium-238	U	0.837	+/-1.32	2.22	1.00	pCi/g					
Yttrium-88	U	-0.0243	+/-0.0568	0.101	0.100	pCi/g					
Zinc-65	U	-0.259	+/-0.110	0.147	0.300	pCi/g					
Zirconium-95	U	0.0149	+/-0.155	0.291	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-038
Sample ID: 137898047

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-175
Sample ID: 137898048
Matrix: Soil
Collect Date: 10-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.803	+/-0.198	0.152	0.800	pCi/g		AKB 06/26/05	1736	431530	1
Americium-241	U	0.0516	+/-0.104	0.184	0.200	pCi/g					
Antimony-124	U	0.00306	+/-0.0845	0.167	0.100	pCi/g					
Antimony-125	U	-0.00884	+/-0.0612	0.113	0.200	pCi/g					
Barium-133	U	0.0259	+/-0.030	0.0553	0.100	pCi/g					
Barium-140	U	-1.01	+/-4.72	8.53	0.500	pCi/g					
Beryllium-7	U	0.397	+/-0.445	0.882	0.700	pCi/g					
Bismuth-212		0.431	+/-0.393	0.392	0.500	pCi/g					
Bismuth-214		0.696	+/-0.130	0.0798	0.200	pCi/g					
Cerium-139	U	0.00912	+/-0.0274	0.0507	0.050	pCi/g					
Cerium-141	U	-0.142	+/-0.158	0.277	0.100	pCi/g					
Cerium-144	U	-0.044	+/-0.159	0.290	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0415	0.0623	0.100	pCi/g					
Cesium-136	U	0.653	+/-1.79	3.46	0.300	pCi/g					
Cesium-137	U	-0.00648	+/-0.0217	0.0385	0.100	pCi/g					
Chromium-51	U	0.138	+/-1.15	2.19	0.600	pCi/g					
Cobalt-56	U	-0.0253	+/-0.0391	0.0695	0.100	pCi/g					
Cobalt-57	U	-0.00356	+/-0.0198	0.0364	0.050	pCi/g					
Cobalt-58	U	-0.0275	+/-0.0457	0.0767	0.100	pCi/g					
Cobalt-60	U	-0.00799	+/-0.0233	0.0417	0.100	pCi/g					
Europium-152	U	-0.0491	+/-0.0645	0.115	0.200	pCi/g					
Europium-154	U	-0.0462	+/-0.0792	0.136	0.500	pCi/g					
Europium-155	U	0.109	+/-0.145	0.139	0.500	pCi/g					
Iridium-192	U	-0.0309	+/-0.039	0.0702	0.100	pCi/g					
Iron-59	U	0.0199	+/-0.150	0.283	0.300	pCi/g					
Lead-210	U	2.62	+/-2.57	5.20	4.00	pCi/g					
Lead-212		0.909	+/-0.108	0.0736	0.100	pCi/g					
Lead-214		0.807	+/-0.136	0.0842	0.100	pCi/g					
Manganese-54	U	-0.00217	+/-0.0279	0.0495	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.110	0.119	0.100	pCi/g					
Neodymium-147	U	-9.8	+/-17.1	29.9	1000	pCi/g					
Neptunium-239	U	0.0634	+/-0.131	0.224	2.00	pCi/g					
Niobium-94	U	0.00841	+/-0.0198	0.0376	1.00	pCi/g					
Niobium-95	U	0.0205	+/-0.120	0.193	0.050	pCi/g					
Potassium-40		15.5	+/-1.60	0.395	1.00	pCi/g					
Promethium-144	U	-0.00733	+/-0.0257	0.0452	0.080	pCi/g					
Promethium-146	U	-0.00311	+/-0.0283	0.0521	1.00	pCi/g					
Radium-228		0.803	+/-0.198	0.152	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-175
Sample ID: 137898048

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0767	+/-0.226	0.426	0.800	pCi/g					
Silver-110m	U	0.00721	+/-0.0232	0.0439	0.080	pCi/g					
Sodium-22	U	-0.017	+/-0.0293	0.0503	0.080	pCi/g					
Thallium-208		0.352	+/-0.0593	0.046	0.080	pCi/g					
Thorium-230		0.696	+/-0.130	0.0798	1.00	pCi/g					
Thorium-234	U	1.03	+/-1.44	1.55	2.00	pCi/g					
Tin-113	U	-0.00229	+/-0.0419	0.0781	0.100	pCi/g					
Uranium-235	U	0.0303	+/-0.139	0.258	0.500	pCi/g					
Uranium-238	U	1.03	+/-1.44	1.55	1.00	pCi/g					
Yttrium-88	U	0.0173	+/-0.032	0.0697	0.100	pCi/g					
Zinc-65	U	-0.143	+/-0.0837	0.128	0.300	pCi/g					
Zirconium-95	UUI	0.00	+/-0.125	0.177	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-175
Sample ID: 137898048

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-411
Sample ID: 137898050
Matrix: Soil
Collect Date: 23-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.922	+/-0.250	0.215	0.800	pCi/g		AKB 06/26/05	1737	431530	1
Americium-241	U	0.0281	+/-0.0407	0.0777	0.200	pCi/g					
Antimony-124	U	-0.0892	+/-0.128	0.215	0.100	pCi/g					
Antimony-125	U	0.0173	+/-0.0709	0.132	0.200	pCi/g					
Barium-133	U	0.003	+/-0.032	0.0535	0.100	pCi/g					
Barium-140	U	-1.33	+/-2.95	4.96	0.500	pCi/g					
Beryllium-7	U	0.427	+/-0.503	0.971	0.700	pCi/g					
Bismuth-212		0.669	+/-0.381	0.448	0.500	pCi/g					
Bismuth-214		0.602	+/-0.128	0.107	0.200	pCi/g					
Cerium-139	U	-0.011	+/-0.0235	0.0441	0.050	pCi/g					
Cerium-141	U	0.0963	+/-0.127	0.230	0.100	pCi/g					
Cerium-144	U	-0.0564	+/-0.164	0.280	0.500	pCi/g					
Cesium-134	U	0.049	+/-0.0605	0.0769	0.100	pCi/g					
Cesium-136	U	0.101	+/-1.20	2.23	0.300	pCi/g					
Cesium-137	U	0.0152	+/-0.0493	0.0566	0.100	pCi/g					
Chromium-51	U	0.769	+/-0.834	1.66	0.600	pCi/g					
Cobalt-56	U	0.00134	+/-0.0536	0.0997	0.100	pCi/g					
Cobalt-57	U	0.00369	+/-0.0181	0.0324	0.050	pCi/g					
Cobalt-58	U	0.00468	+/-0.0527	0.0995	0.100	pCi/g					
Cobalt-60	U	-0.0108	+/-0.0297	0.0549	0.100	pCi/g					
Europium-152	U	0.055	+/-0.0713	0.138	0.200	pCi/g					
Europium-154	U	0.0646	+/-0.113	0.218	0.500	pCi/g					
Europium-155	U	0.0614	+/-0.108	0.133	0.500	pCi/g					
Iridium-192	U	-0.0409	+/-0.0415	0.0706	0.100	pCi/g					
Iron-59	U	-0.028	+/-0.191	0.340	0.300	pCi/g					
Lead-210		0.772	+/-0.727	0.722	4.00	pCi/g					
Lead-212		1.06	+/-0.123	0.0814	0.100	pCi/g					
Lead-214		0.715	+/-0.127	0.0878	0.100	pCi/g					
Manganese-54	U	0.0205	+/-0.0341	0.0674	0.100	pCi/g					
Mercury-203	U	0.0129	+/-0.0605	0.114	0.100	pCi/g					
Neodymium-147	U	0.514	+/-8.82	16.1	1000	pCi/g					
Neptunium-239	U	0.113	+/-0.167	0.221	2.00	pCi/g					
Niobium-94	U	0.0104	+/-0.0262	0.0512	1.00	pCi/g					
Niobium-95	U	-0.0215	+/-0.106	0.194	0.050	pCi/g					
Potassium-40		15.0	+/-1.63	0.432	1.00	pCi/g					
Promethium-144	U	-0.0085	+/-0.0302	0.0553	0.080	pCi/g					
Promethium-146	U	-0.00325	+/-0.0366	0.0653	1.00	pCi/g					
Radium-228		0.922	+/-0.250	0.215	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-411
Sample ID: 137898050

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0221	+/-0.262	0.496	0.800	pCi/g					
Silver-110m	U	0.0207	+/-0.0261	0.0617	0.080	pCi/g					
Sodium-22	U	0.024	+/-0.0416	0.0803	0.080	pCi/g					
Thallium-208		0.326	+/-0.0735	0.0597	0.080	pCi/g					
Thorium-230		0.602	+/-0.128	0.107	1.00	pCi/g					
Thorium-234	U	0.679	+/-0.761	0.683	2.00	pCi/g					
Tin-113	U	-0.00695	+/-0.0461	0.0828	0.100	pCi/g					
Uranium-235	U	0.0895	+/-0.149	0.268	0.500	pCi/g					
Uranium-238	U	0.679	+/-0.761	0.683	1.00	pCi/g					
Yttrium-88	U	-0.0429	+/-0.0304	0.0144	0.100	pCi/g					
Zinc-65	U	0.0802	+/-0.0991	0.151	0.300	pCi/g					
Zirconium-95	U	-0.0233	+/-0.0986	0.181	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-411
Sample ID: 137898050

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures, Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-22
Sample ID: 137898051
Matrix: Soil
Collect Date: 04-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.997	+/-0.303	0.236	0.800	pCi/g		AKB 06/26/05	1737	431530	1
Americium-241	U	0.0167	+/-0.110	0.148	0.200	pCi/g					
Antimony-124	U	0.0418	+/-0.163	0.346	0.100	pCi/g					
Antimony-125	U	0.00491	+/-0.0917	0.170	0.200	pCi/g					
Barium-133	U	0.0234	+/-0.0471	0.0801	0.100	pCi/g					
Barium-140	U	-2.86	+/-10.5	18.6	0.500	pCi/g					
Beryllium-7	U	-0.158	+/-0.760	1.37	0.700	pCi/g					
Bismuth-212	UUI	0.00	+/-0.500	0.557	0.500	pCi/g					
Bismuth-214		0.587	+/-0.151	0.138	0.200	pCi/g					
Cerium-139	U	-0.0452	+/-0.0388	0.0646	0.050	pCi/g					
Cerium-141	U	0.286	+/-0.247	0.467	0.100	pCi/g					
Cerium-144	U	-0.0913	+/-0.215	0.380	0.500	pCi/g					
Cesium-134	U	0.0298	+/-0.0429	0.0864	0.100	pCi/g					
Cesium-136	U	1.54	+/-3.82	7.49	0.300	pCi/g					
Cesium-137	U	0.0324	+/-0.0687	0.0724	0.100	pCi/g					
Chromium-51	U	-1.45	+/-1.84	3.26	0.600	pCi/g					
Cobalt-56	U	0.0547	+/-0.0684	0.141	0.100	pCi/g					
Cobalt-57	U	-0.0104	+/-0.0277	0.0494	0.050	pCi/g					
Cobalt-58	U	-0.0761	+/-0.0879	0.151	0.100	pCi/g					
Cobalt-60	U	-0.0022	+/-0.0392	0.0731	0.100	pCi/g					
Europium-152	U	-0.0545	+/-0.0885	0.158	0.200	pCi/g					
Europium-154	U	-0.0187	+/-0.108	0.198	0.500	pCi/g					
Europium-155	U	0.0379	+/-0.0953	0.178	0.500	pCi/g					
Iridium-192	U	0.071	+/-0.0582	0.117	0.100	pCi/g					
Iron-59	U	-0.0658	+/-0.223	0.406	0.300	pCi/g					
Lead-210	U	0.840	+/-1.28	1.72	4.00	pCi/g					
Lead-212		0.850	+/-0.118	0.0885	0.100	pCi/g					
Lead-214		0.589	+/-0.154	0.120	0.100	pCi/g					
Manganese-54	U	0.00687	+/-0.0499	0.0941	0.100	pCi/g					
Mercury-203	U	0.140	+/-0.108	0.215	0.100	pCi/g					
Neodymium-147	U	38.9	+/-56.3	71.2	1000	pCi/g					
Neptunium-239	U	0.176	+/-0.236	0.296	2.00	pCi/g					
Niobium-94	U	-0.0164	+/-0.0328	0.0558	1.00	pCi/g					
Niobium-95	U	-0.0411	+/-0.192	0.355	0.050	pCi/g					
Potassium-40		13.7	+/-1.78	0.679	1.00	pCi/g					
Promethium-144	U	0.0127	+/-0.040	0.0744	0.080	pCi/g					
Promethium-146	U	-0.000755	+/-0.043	0.0791	1.00	pCi/g					
Radium-228		0.997	+/-0.303	0.236	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-22
Sample ID: 137898051

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.104	+/-0.360	0.674	0.800	pCi/g					
Silver-110m	U	-0.00352	+/-0.0528	0.0822	0.080	pCi/g					
Sodium-22	U	-0.00743	+/-0.0399	0.073	0.080	pCi/g					
Thallium-208		0.260	+/-0.0777	0.071	0.080	pCi/g					
Thorium-230		0.587	+/-0.151	0.138	1.00	pCi/g					
Thorium-234	U	0.564	+/-1.24	1.35	2.00	pCi/g					
Tin-113	U	-0.0159	+/-0.0657	0.119	0.100	pCi/g					
Uranium-235	U	0.149	+/-0.198	0.366	0.500	pCi/g					
Uranium-238	U	0.564	+/-1.24	1.35	1.00	pCi/g					
Yttrium-88	U	-0.0231	+/-0.0472	0.0864	0.100	pCi/g					
Zinc-65	U	0.0661	+/-0.105	0.191	0.300	pCi/g					
Zirconium-95	U	0.161	+/-0.207	0.310	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-22
Sample ID: 137898051

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-372
Sample ID: 137898052
Matrix: Soil
Collect Date: 19-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.936	+/-0.279	0.156	0.800	pCi/g		AKB 06/26/05	2001	431530	1
Americium-241	U	0.108	+/-0.113	0.205	0.200	pCi/g					
Antimony-124	U	-0.0283	+/-0.102	0.187	0.100	pCi/g					
Antimony-125	U	0.0187	+/-0.0655	0.123	0.200	pCi/g					
Barium-133	U	0.00545	+/-0.0346	0.0573	0.100	pCi/g					
Barium-140	U	-3.0	+/-3.30	5.28	0.500	pCi/g					
Beryllium-7	U	-0.126	+/-0.457	0.820	0.700	pCi/g					
Bismuth-212		0.927	+/-0.423	0.409	0.500	pCi/g					
Bismuth-214		0.801	+/-0.145	0.0871	0.200	pCi/g					
Cerium-139	U	-0.0118	+/-0.0288	0.050	0.050	pCi/g					
Cerium-141	U	-0.0878	+/-0.147	0.255	0.100	pCi/g					
Cerium-144	U	0.0711	+/-0.168	0.308	0.500	pCi/g					
Cesium-134	U	0.0574	+/-0.0585	0.0673	0.100	pCi/g					
Cesium-136	U	-0.427	+/-1.40	2.52	0.300	pCi/g					
Cesium-137	U	0.0235	+/-0.0288	0.0506	0.100	pCi/g					
Chromium-51	U	-0.394	+/-0.969	1.76	0.600	pCi/g					
Cobalt-56	U	-0.00151	+/-0.0422	0.0758	0.100	pCi/g					
Cobalt-57	U	-0.00795	+/-0.0211	0.0375	0.050	pCi/g					
Cobalt-58	U	0.0487	+/-0.0451	0.0906	0.100	pCi/g					
Cobalt-60	U	-0.00853	+/-0.0246	0.0443	0.100	pCi/g					
Europium-152	U	-0.00926	+/-0.0653	0.121	0.200	pCi/g					
Europium-154	U	-0.0737	+/-0.0847	0.140	0.500	pCi/g					
Europium-155	U	0.0539	+/-0.077	0.145	0.500	pCi/g					
Iridium-192	U	0.00862	+/-0.0394	0.0743	0.100	pCi/g					
Iron-59	U	-0.0424	+/-0.152	0.274	0.300	pCi/g					
Lead-210	U	0.517	+/-3.12	5.36	4.00	pCi/g					
Lead-212		1.02	+/-0.120	0.0703	0.100	pCi/g					
Lead-214		0.985	+/-0.146	0.0898	0.100	pCi/g					
Manganese-54	U	0.0146	+/-0.0328	0.0607	0.100	pCi/g					
Mercury-203	U	0.0247	+/-0.0633	0.121	0.100	pCi/g					
Neodymium-147	U	4.94	+/-11.4	21.6	1000	pCi/g					
Neptunium-239	U	-0.0911	+/-0.137	0.240	2.00	pCi/g					
Niobium-94	U	0.0208	+/-0.0239	0.0463	1.00	pCi/g					
Niobium-95	U	0.0256	+/-0.151	0.081	0.050	pCi/g					
Potassium-40		15.7	+/-1.56	0.396	1.00	pCi/g					
Promethium-144	U	-0.00525	+/-0.0268	0.0473	0.080	pCi/g					
Promethium-146	U	0.0158	+/-0.0294	0.0565	1.00	pCi/g					
Radium-228		0.936	+/-0.279	0.156	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-372
Sample ID: 137898052

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.068	+/-0.259	0.479	0.800	pCi/g					
Silver-110m	U	-0.0203	+/-0.0299	0.0505	0.080	pCi/g					
Sodium-22	U	-0.0273	+/-0.0311	0.0514	0.080	pCi/g					
Thallium-208		0.378	+/-0.0609	0.0436	0.080	pCi/g					
Thorium-230		0.801	+/-0.145	0.0871	1.00	pCi/g					
Thorium-234		2.71	+/-1.70	1.71	2.00	pCi/g					
Tin-113	U	-0.0211	+/-0.0414	0.0739	0.100	pCi/g					
Uranium-235	U	0.240	+/-0.159	0.295	0.500	pCi/g					
Uranium-238		2.71	+/-1.70	1.71	1.00	pCi/g					
Yttrium-88	U	-0.00291	+/-0.029	0.0566	0.100	pCi/g					
Zinc-65	U	0.128	+/-0.0864	0.165	0.300	pCi/g					
Zirconium-95	U	0.0828	+/-0.0861	0.171	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-372
Sample ID: 137898052

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-095
Sample ID: 137898053
Matrix: Soil
Collect Date: 06-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid (Standard List)												
Actinium-228		0.726	+/-0.268	0.166	0.800	pCi/g		AKB	06/26/05	2002	431530	1
Americium-241	U	0.0668	+/-0.103	0.188	0.200	pCi/g						
Antimony-124	U	0.0193	+/-0.0969	0.199	0.100	pCi/g						
Antimony-125	U	0.081	+/-0.0626	0.114	0.200	pCi/g						
Barium-133	U	0.00428	+/-0.031	0.0507	0.100	pCi/g						
Barium-140	U	-0.617	+/-5.61	10.6	0.500	pCi/g						
Beryllium-7	U	0.0664	+/-0.505	0.920	0.700	pCi/g						
Bismuth-212		0.498	+/-0.397	0.334	0.500	pCi/g						
Bismuth-214		0.733	+/-0.111	0.0746	0.200	pCi/g						
Cerium-139	U	0.00366	+/-0.0269	0.049	0.050	pCi/g						
Cerium-141	U	0.127	+/-0.166	0.315	0.100	pCi/g						
Cerium-144	U	0.0112	+/-0.169	0.280	0.500	pCi/g						
Cesium-134	U	0.0357	+/-0.0367	0.0637	0.100	pCi/g						
Cesium-136	U	-1.36	+/-2.38	4.19	0.300	pCi/g						
Cesium-137	U	0.0064	+/-0.0247	0.0468	0.100	pCi/g						
Chromium-51	U	-0.301	+/-1.23	2.26	0.600	pCi/g						
Cobalt-56	U	0.0727	+/-0.050	0.102	0.100	pCi/g						
Cobalt-57	U	0.00384	+/-0.0184	0.0346	0.050	pCi/g						
Cobalt-58	U	-0.0181	+/-0.0614	0.0929	0.100	pCi/g						
Cobalt-60	U	-0.00306	+/-0.025	0.0459	0.100	pCi/g						
Europium-152	U	-0.0261	+/-0.0627	0.113	0.200	pCi/g						
Europium-154	U	-0.0666	+/-0.101	0.142	0.500	pCi/g						
Europium-155	U	0.0258	+/-0.0706	0.135	0.500	pCi/g						
Iridium-192	U	-0.00644	+/-0.0402	0.0741	0.100	pCi/g						
Iron-59	U	-0.0278	+/-0.154	0.283	0.300	pCi/g						
Lead-210	U	1.29	+/-2.36	4.80	4.00	pCi/g						
Lead-212		0.910	+/-0.111	0.0699	0.100	pCi/g						
Lead-214		0.745	+/-0.122	0.0779	0.100	pCi/g						
Manganese-54	U	-0.00186	+/-0.0297	0.0536	0.100	pCi/g						
Mercury-203	U	0.0248	+/-0.0709	0.135	0.100	pCi/g						
Neodymium-147	U	-2.23	+/-21.1	39.9	1000	pCi/g						
Neptunium-239	U	0.0363	+/-0.114	0.216	2.00	pCi/g						
Niobium-94	U	-0.00684	+/-0.0231	0.0414	1.00	pCi/g						
Niobium-95	U	0.0419	+/-0.122	0.203	0.050	pCi/g						
Potassium-40		14.6	+/-1.48	0.487	1.00	pCi/g						
Promethium-144	U	0.00873	+/-0.025	0.0475	0.080	pCi/g						
Promethium-146	U	0.0129	+/-0.0287	0.0538	1.00	pCi/g						
Radium-228		0.726	+/-0.268	0.166	0.500	pCi/g						

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-095
Sample ID: 137898053

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0942	+/-0.207	0.405	0.800	pCi/g					
Silver-110m	U	-0.0199	+/-0.0258	0.0448	0.080	pCi/g					
Sodium-22	U	-0.0246	+/-0.0374	0.0525	0.080	pCi/g					
Thallium-208		0.290	+/-0.0529	0.0468	0.080	pCi/g					
Thorium-230		0.733	+/-0.111	0.0746	1.00	pCi/g					
Thorium-234	U	0.289	+/-1.31	1.53	2.00	pCi/g					
Tin-113	U	0.00676	+/-0.041	0.0676	0.100	pCi/g					
Uranium-235	U	0.0138	+/-0.140	0.257	0.500	pCi/g					
Uranium-238	U	0.289	+/-1.31	1.53	1.00	pCi/g					
Yttrium-88	U	-0.0293	+/-0.043	0.0575	0.100	pCi/g					
Zinc-65	U	-0.178	+/-0.088	0.132	0.300	pCi/g					
Zirconium-95	U	0.0303	+/-0.106	0.175	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-095
Sample ID: 137898053

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-149
Sample ID: 137898054
Matrix: Soil
Collect Date: 13-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.787	+/-0.227	0.206	0.800	pCi/g		AKB 06/26/05	2002	431530	1
Americium-241	U	0.005	+/-0.160	0.265	0.200	pCi/g					
Antimony-124	U	0.0599	+/-0.376	0.797	0.100	pCi/g					
Antimony-125	U	0.0284	+/-0.0694	0.135	0.200	pCi/g					
Barium-133	U	0.00203	+/-0.0356	0.0563	0.100	pCi/g					
Barium-140	UI	0.00	+/-3050	0.00	0.500	pCi/g					
Beryllium-7	U	-0.0993	+/-2.13	3.98	0.700	pCi/g					
Bismuth-212		0.873	+/-0.318	0.380	0.500	pCi/g					
Bismuth-214		0.633	+/-0.134	0.0819	0.200	pCi/g					
Cerium-139	U	0.0227	+/-0.0578	0.0929	0.050	pCi/g					
Cerium-141	U	-0.714	+/-1.92	3.51	0.100	pCi/g					
Cerium-144	U	0.0411	+/-0.224	0.423	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0808	0.0778	0.100	pCi/g					
Cesium-136	U	-120	+/-1010	0.00	0.300	pCi/g					
Cesium-137	U	-0.0269	+/-0.0261	0.0424	0.100	pCi/g					
Chromium-51	U	-8.11	+/-24.8	42.9	0.600	pCi/g					
Cobalt-56	U	-0.00966	+/-0.137	0.245	0.100	pCi/g					
Cobalt-57	U	-0.00157	+/-0.0267	0.0503	0.050	pCi/g					
Cobalt-58	U	-0.06	+/-0.163	0.283	0.100	pCi/g					
Cobalt-60	U	-0.00283	+/-0.0295	0.0545	0.100	pCi/g					
Europium-152	U	-0.0332	+/-0.0663	0.113	0.200	pCi/g					
Europium-154	U	0.0604	+/-0.0875	0.176	0.500	pCi/g					
Europium-155	U	0.0808	+/-0.0791	0.157	0.500	pCi/g					
Iridium-192	U	0.0192	+/-0.123	0.223	0.100	pCi/g					
Iron-59	U	-0.246	+/-1.29	2.02	0.300	pCi/g					
Lead-210	U	0.000182	+/-6.02	10.1	4.00	pCi/g					
Lead-212		1.00	+/-0.129	0.0822	0.100	pCi/g					
Lead-214		0.723	+/-0.147	0.0839	0.100	pCi/g					
Manganese-54	U	0.00225	+/-0.0408	0.0736	0.100	pCi/g					
Mercury-203	U	-0.0942	+/-0.448	0.702	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-31900	0.00	1000	pCi/g					
Neptunium-239	U	-0.0877	+/-0.124	0.226	2.00	pCi/g					
Niobium-94	UUI	0.00	+/-0.0402	0.048	1.00	pCi/g					
Niobium-95	U	0.875	+/-1.19	2.12	0.050	pCi/g					
Potassium-40		14.8	+/-1.63	0.403	1.00	pCi/g					
Promethium-144	U	0.00932	+/-0.0376	0.0621	0.080	pCi/g					
Promethium-146	U	0.00804	+/-0.0307	0.0588	1.00	pCi/g					
Radium-228		0.787	+/-0.227	0.206	0.500	pCi/g					

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-149
Sample ID: 137898054

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.175	+/-0.312	0.603	0.800	pCi/g					
Silver-110m	U	-0.0041	+/-0.0403	0.073	0.080	pCi/g					
Sodium-22	U	0.0234	+/-0.0343	0.069	0.080	pCi/g					
Thallium-208		0.315	+/-0.0693	0.0588	0.080	pCi/g					
Thorium-230		0.633	+/-0.134	0.0819	1.00	pCi/g					
Thorium-234	U	0.139	+/-1.36	2.23	2.00	pCi/g					
Tin-113	U	0.035	+/-0.0858	0.158	0.100	pCi/g					
Uranium-235	U	0.0519	+/-0.134	0.255	0.500	pCi/g					
Uranium-238	U	0.139	+/-1.36	2.23	1:00	pCi/g					
Yttrium-88	U	0.0131	+/-0.0691	0.148	0.100	pCi/g					
Zinc-65	U	-0.047	+/-0.114	0.171	0.300	pCi/g					
Zirconium-95	U	0.00653	+/-0.342	0.623	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-149
Sample ID: 137898054

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-129
Sample ID: 137898055
Matrix: Soil
Collect Date: 09-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.05	+/-0.288	0.229	0.800	pCi/g		AKB 06/26/05	2003	431530	1
Americium-241	U	0.0282	+/-0.0514	0.084	0.200	pCi/g					
Antimony-124	U	-0.0591	+/-0.548	1.04	0.100	pCi/g					
Antimony-125	U	0.0219	+/-0.0874	0.158	0.200	pCi/g					
Barium-133	U	0.0195	+/-0.0417	0.0678	0.100	pCi/g					
Barium-140	UI	0.00	+/-4500	0.00	0.500	pCi/g					
Beryllium-7	U	-3.64	+/-3.46	4.94	0.700	pCi/g					
Bismuth-212		1.28	+/-0.509	0.535	0.500	pCi/g					
Bismuth-214		0.937	+/-0.170	0.107	0.200	pCi/g					
Cerium-139	U	0.00432	+/-0.0603	0.111	0.050	pCi/g					
Cerium-141	U	1.78	+/-2.45	4.64	0.100	pCi/g					
Cerium-144	U	-0.0133	+/-0.242	0.447	0.500	pCi/g					
Cesium-134	U	0.0813	+/-0.0733	0.0856	0.100	pCi/g					
Cesium-136	U	-43.1	+/-1750	0.00	0.300	pCi/g					
Cesium-137	U	0.0159	+/-0.0377	0.0705	0.100	pCi/g					
Chromium-51	U	-28.2	+/-31.0	51.8	0.600	pCi/g					
Cobalt-56	U	0.0402	+/-0.161	0.303	0.100	pCi/g					
Cobalt-57	U	0.00406	+/-0.0289	0.0542	0.050	pCi/g					
Cobalt-58	U	0.108	+/-0.193	0.374	0.100	pCi/g					
Cobalt-60	U	-0.0191	+/-0.0309	0.0534	0.100	pCi/g					
Europium-152	U	0.000416	+/-0.0928	0.145	0.200	pCi/g					
Europium-154	U	0.00142	+/-0.0927	0.175	0.500	pCi/g					
Europium-155	U	0.0206	+/-0.0806	0.152	0.500	pCi/g					
Iridium-192	U	0.0808	+/-0.153	0.283	0.100	pCi/g					
Iron-59	U	0.415	+/-1.12	2.15	0.300	pCi/g					
Lead-210	U	0.588	+/-0.681	0.713	4.00	pCi/g					
Lead-212		1.17	+/-0.148	0.0923	0.100	pCi/g					
Lead-214		0.994	+/-0.152	0.107	0.100	pCi/g					
Manganese-54	U	0.0299	+/-0.0338	0.0894	0.100	pCi/g					
Mercury-203	U	0.693	+/-0.566	0.930	0.100	pCi/g					
Neodymium-147	U	-17100	+/-51100	0.00	1000	pCi/g					
Neptunium-239	U	-0.115	+/-0.138	0.246	2.00	pCi/g					
Niobium-94	U	0.0219	+/-0.0275	0.0537	1.00	pCi/g					
Niobium-95	U	2.36	+/-1.64	3.07	0.050	pCi/g					
Potassium-40		14.0	+/-1.56	0.569	1.00	pCi/g					
Promethium-144	U	0.0261	+/-0.0398	0.077	0.080	pCi/g					
Promethium-146	U	0.0225	+/-0.0372	0.0723	1.00	pCi/g					
Radium-228		1.05	+/-0.288	0.229	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-129
Sample ID: 137898055

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.169	+/-0.351	0.619	0.800	pCi/g					
Silver-110m	U	0.000519	+/-0.054	0.0985	0.080	pCi/g					
Sodium-22	U	0.000678	+/-0.0365	0.0689	0.080	pCi/g					
Thallium-208		0.350	+/-0.0813	0.0642	0.080	pCi/g					
Thorium-230		0.936	+/-0.170	0.107	1.00	pCi/g					
Thorium-234		0.909	+/-0.796	0.835	2.00	pCi/g					
Tin-113	U	0.0224	+/-0.118	0.211	0.100	pCi/g					
Uranium-235	U	0.155	+/-0.164	0.311	0.500	pCi/g					
Uranium-238		0.909	+/-0.796	0.835	1.00	pCi/g					
Yttrium-88	U	0.0323	+/-0.0768	0.171	0.100	pCi/g					
Zinc-65	U	0.0437	+/-0.175	0.199	0.300	pCi/g					
Zirconium-95	U	0.397	+/-0.434	0.859	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-129
Sample ID: 137898055

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-318
Sample ID: 137898056
Matrix: Soil
Collect Date: 28-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.935	+/-0.197	0.187	0.800	pCi/g		AKB 06/26/05	2003	431530	1
Americium-241	U	-0.0469	+/-0.120	0.194	0.200	pCi/g					
Antimony-124	U	0.222	+/-0.245	0.609	0.100	pCi/g					
Antimony-125	U	0.0154	+/-0.0643	0.124	0.200	pCi/g					
Barium-133	U	0.00297	+/-0.0305	0.0492	0.100	pCi/g					
Barium-140	U	-187	+/-1270	0.00	0.500	pCi/g					
Beryllium-7	U	-0.376	+/-1.63	3.03	0.700	pCi/g					
Bismuth-212		0.482	+/-0.383	0.460	0.500	pCi/g					
Bismuth-214		0.686	+/-0.118	0.0764	0.200	pCi/g					
Cerium-139	U	0.00115	+/-0.0425	0.0796	0.050	pCi/g					
Cerium-141	U	1.07	+/-1.46	2.54	0.100	pCi/g					
Cerium-144	U	-0.153	+/-0.191	0.348	0.500	pCi/g					
Cesium-134	U	0.0565	+/-0.0477	0.0707	0.100	pCi/g					
Cesium-136	UI	0.00	+/-448	0.00	0.300	pCi/g					
Cesium-137	U	0.000584	+/-0.0237	0.0439	0.100	pCi/g					
Chromium-51	U	12.6	+/-18.9	27.4	0.600	pCi/g					
Cobalt-56	U	0.0357	+/-0.115	0.216	0.100	pCi/g					
Cobalt-57	U	0.00322	+/-0.0237	0.0455	0.050	pCi/g					
Cobalt-58	U	-0.0315	+/-0.116	0.206	0.100	pCi/g					
Cobalt-60	U	0.00691	+/-0.0263	0.0515	0.100	pCi/g					
Europium-152	U	0.0264	+/-0.0663	0.122	0.200	pCi/g					
Europium-154	U	0.0272	+/-0.0812	0.158	0.500	pCi/g					
Europium-155	U	0.0531	+/-0.0713	0.141	0.500	pCi/g					
Iridium-192	U	0.0163	+/-0.119	0.194	0.100	pCi/g					
Iron-59	U	0.153	+/-0.789	1.51	0.300	pCi/g					
Lead-210	U	3.68	+/-3.14	5.74	4.00	pCi/g					
Lead-212		1.04	+/-0.0899	0.0864	0.100	pCi/g					
Lead-214		0.804	+/-0.105	0.0805	0.100	pCi/g					
Manganese-54	U	0.0243	+/-0.0356	0.0691	0.100	pCi/g					
Mercury-203	U	0.195	+/-0.322	0.603	0.100	pCi/g					
Neodymium-147	U	-4290	+/-12100	0.00	1000	pCi/g					
Neptunium-239	U	0.0116	+/-0.114	0.218	2.00	pCi/g					
Niobium-94	U	-0.0134	+/-0.0255	0.038	1.00	pCi/g					
Niobium-95	U	-0.458	+/-0.936	1.39	0.050	pCi/g					
Potassium-40		14.7	+/-1.14	0.409	1.00	pCi/g					
Promethium-144	U	0.00391	+/-0.0337	0.0552	0.080	pCi/g					
Promethium-146	U	0.0424	+/-0.0334	0.0677	1.00	pCi/g					
Radium-228		0.935	+/-0.197	0.187	0.500	pCi/g					

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-318
Sample ID: 137898056

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.22	+/-0.284	0.488	0.800	pCi/g					
Silver-110m	U	0.0355	+/-0.0352	0.0709	0.080	pCi/g					
Sodium-22	U	0.0106	+/-0.0316	0.0615	0.080	pCi/g					
Thallium-208		0.280	+/-0.0754	0.0473	0.080	pCi/g					
Thorium-230		0.686	+/-0.118	0.0764	1.00	pCi/g					
Thorium-234	U	0.878	+/-1.46	1.63	2.00	pCi/g					
Tin-113	U	-0.0275	+/-0.0764	0.142	0.100	pCi/g					
Uranium-235	U	0.127	+/-0.158	0.268	0.500	pCi/g					
Uranium-238	U	0.878	+/-1.46	1.63	1.00	pCi/g					
Yttrium-88	U	-0.00537	+/-0.0653	0.130	0.100	pCi/g					
Zinc-65	U	0.0436	+/-0.0939	0.166	0.300	pCi/g					
Zirconium-95	U	0.317	+/-0.303	0.603	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-318 Project: MCTC00402
Sample ID: 137898056 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-595
Sample ID: 137898057
Matrix: Soil
Collect Date: 24-NOV-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.808	+/-0.203	0.193	0.800	pCi/g		AKB 06/26/05	2004	431530	1
Americium-241	U	-0.0172	+/-0.126	0.234	0.200	pCi/g					
Antimony-124	U	0.184	+/-0.468	1.02	0.100	pCi/g					
Antimony-125	U	-0.0165	+/-0.0815	0.145	0.200	pCi/g					
Barium-133	U	0.039	+/-0.0358	0.0639	0.100	pCi/g					
Barium-140	UI	0.00	+/-9990	0.00	0.500	pCi/g					
Beryllium-7	U	0.366	+/-3.23	5.88	0.700	pCi/g					
Bismuth-212	UUI	0.00	+/-0.435	0.459	0.500	pCi/g					
Bismuth-214		0.671	+/-0.136	0.0884	0.200	pCi/g					
Cerium-139	U	-0.0144	+/-0.0629	0.109	0.050	pCi/g					
Cerium-141	U	1.15	+/-3.55	6.41	0.100	pCi/g					
Cerium-144	U	0.0618	+/-0.273	0.492	0.500	pCi/g					
Cesium-134	U	0.0751	+/-0.0532	0.0827	0.100	pCi/g					
Cesium-136	UI	0.00	+/-3170	0.00	0.300	pCi/g					
Cesium-137		0.112	+/-0.0605	0.0553	0.100	pCi/g					
Chromium-51	U	15.4	+/-42.1	79.1	0.600	pCi/g					
Cobalt-56	U	0.102	+/-0.178	0.345	0.100	pCi/g					
Cobalt-57	U	0.00701	+/-0.0345	0.0626	0.050	pCi/g					
Cobalt-58	U	-0.0178	+/-0.225	0.409	0.100	pCi/g					
Cobalt-60	U	0.0268	+/-0.0315	0.0656	0.100	pCi/g					
Europium-152	U	0.0435	+/-0.080	0.151	0.200	pCi/g					
Europium-154	U	0.0515	+/-0.0935	0.186	0.500	pCi/g					
Europium-155	U	0.119	+/-0.0913	0.160	0.500	pCi/g					
Iridium-192	U	-0.034	+/-0.186	0.294	0.100	pCi/g					
Iron-59	U	-0.325	+/-1.71	2.99	0.300	pCi/g					
Lead-210	U	5.34	+/-4.26	5.73	4.00	pCi/g					
Lead-212		0.855	+/-0.123	0.103	0.100	pCi/g					
Lead-214		0.746	+/-0.125	0.100	0.100	pCi/g					
Manganese-54	U	0.0243	+/-0.0466	0.0891	0.100	pCi/g					
Mercury-203	U	-0.224	+/-0.609	1.09	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-95700	0.00	1000	pCi/g					
Neptunium-239	U	0.0456	+/-0.155	0.284	2.00	pCi/g					
Niobium-94	U	0.0125	+/-0.0252	0.0487	1.00	pCi/g					
Niobium-95	U	0.893	+/-2.12	3.57	0.050	pCi/g					
Potassium-40		13.4	+/-1.79	0.458	1.00	pCi/g					
Promethium-144	U	0.00893	+/-0.0398	0.0748	0.080	pCi/g					
Promethium-146	U	0.0195	+/-0.0364	0.0684	1.00	pCi/g					
Radium-228		0.808	+/-0.203	0.193	0.500	pCi/g					

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-595
Sample ID: 137898057

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0807	+/-0.346	0.632	0.800	pCi/g					
Silver-110m	U	0.00541	+/-0.0494	0.0815	0.080	pCi/g					
Sodium-22	U	0.0201	+/-0.037	0.0735	0.080	pCi/g					
Thallium-208		0.326	+/-0.0927	0.0571	0.080	pCi/g					
Thorium-230		0.671	+/-0.136	0.0884	1.00	pCi/g					
Thorium-234	U	1.20	+/-1.52	1.97	2.00	pCi/g					
Tin-113	U	-0.0443	+/-0.118	0.208	0.100	pCi/g					
Uranium-235	U	0.0321	+/-0.172	0.308	0.500	pCi/g					
Uranium-238	U	1.20	+/-1.52	1.97	1.00	pCi/g					
Yttrium-88	U	-0.0446	+/-0.0997	0.174	0.100	pCi/g					
Zinc-65	U	0.0426	+/-0.129	0.212	0.300	pCi/g					
Zirconium-95	U	0.111	+/-0.431	0.822	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-595
Sample ID: 137898057

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-325
Sample ID: 137898058
Matrix: Soil
Collect Date: 30-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.493	+/-0.188	0.148	0.800	pCi/g		AKB 06/26/05	2004	431530	1
Americium-241	U	0.092	+/-0.126	0.232	0.200	pCi/g					
Antimony-124	U	0.310	+/-0.257	0.640	0.100	pCi/g					
Antimony-125	U	0.0117	+/-0.0559	0.107	0.200	pCi/g					
Barium-133	U	-0.00072	+/-0.0272	0.0456	0.100	pCi/g					
Barium-140	U	-262	+/-1060	0.00	0.500	pCi/g					
Beryllium-7	U	0.785	+/-1.36	2.70	0.700	pCi/g					
Bismuth-212		0.772	+/-0.339	0.360	0.500	pCi/g					
Bismuth-214		0.430	+/-0.0958	0.0681	0.200	pCi/g					
Cerium-139	U	-0.0116	+/-0.0392	0.0711	0.050	pCi/g					
Cerium-141	U	-1.02	+/-1.11	1.95	0.100	pCi/g					
Cerium-144	U	-0.0275	+/-0.161	0.299	0.500	pCi/g					
Cesium-134	U	0.0574	+/-0.0484	0.0599	0.100	pCi/g					
Cesium-136	UI	0.00	+/-461	0.00	0.300	pCi/g					
Cesium-137	U	0.00659	+/-0.0213	0.0404	0.100	pCi/g					
Chromium-51	U	-6.59	+/-13.1	22.3	0.600	pCi/g					
Cobalt-56	U	0.00342	+/-0.093	0.170	0.100	pCi/g					
Cobalt-57	U	-0.0148	+/-0.0218	0.0395	0.050	pCi/g					
Cobalt-58	U	0.0197	+/-0.0942	0.179	0.100	pCi/g					
Cobalt-60	U	0.015	+/-0.0249	0.0508	0.100	pCi/g					
Europium-152	U	-0.00163	+/-0.0503	0.0959	0.200	pCi/g					
Europium-154	U	-0.00912	+/-0.0657	0.122	0.500	pCi/g					
Europium-155	U	0.0372	+/-0.0621	0.122	0.500	pCi/g					
Iridium-192	U	-0.0624	+/-0.090	0.151	0.100	pCi/g					
Iron-59	U	-0.103	+/-0.670	1.24	0.300	pCi/g					
Lead-210	U	2.26	+/-4.82	8.87	4.00	pCi/g					
Lead-212		0.670	+/-0.105	0.0687	0.100	pCi/g					
Lead-214		0.590	+/-0.118	0.0698	0.100	pCi/g					
Manganese-54	U	0.0187	+/-0.0327	0.0624	0.100	pCi/g					
Mercury-203	U	0.131	+/-0.261	0.484	0.100	pCi/g					
Neodymium-147	U	-6450	+/-8510	0.00	1000	pCi/g					
Neptunium-239	U	-0.05	+/-0.104	0.192	2.00	pCi/g					
Niobium-94	U	0.00484	+/-0.020	0.0372	1.00	pCi/g					
Niobium-95	U	0.490	+/-0.764	1.33	0.050	pCi/g					
Potassium-40		11.5	+/-1.22	0.362	1.00	pCi/g					
Promethium-144	U	-0.00819	+/-0.0261	0.0462	0.080	pCi/g					
Promethium-146	U	0.013	+/-0.0233	0.0462	1.00	pCi/g					
Radium-228		0.493	+/-0.188	0.148	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-325
Sample ID: 137898058

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0024	+/-0.246	0.455	0.800	pCi/g					
Silver-110m	U	-0.0205	+/-0.0308	0.0526	0.080	pCi/g					
Sodium-22	U	-0.00339	+/-0.0256	0.0475	0.080	pCi/g					
Thallium-208		0.185	+/-0.0663	0.0449	0.080	pCi/g					
Thorium-230		0.430	+/-0.0958	0.068	1.00	pCi/g					
Thorium-234	U	1.28	+/-1.60	1.56	2.00	pCi/g					
Tin-113	U	0.0141	+/-0.0623	0.120	0.100	pCi/g					
Uranium-235	U	0.138	+/-0.114	0.222	0.500	pCi/g					
Uranium-238	U	1.28	+/-1.60	1.56	1.00	pCi/g					
Yttrium-88	U	0.0252	+/-0.0335	0.0914	0.100	pCi/g					
Zinc-65	U	-0.168	+/-0.0941	0.139	0.300	pCi/g					
Zirconium-95	U	0.0138	+/-0.227	0.419	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-325
Sample ID: 137898058

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-004
Sample ID: 137898059
Matrix: Soil
Collect Date: 04-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)								AKB	06/26/05	2005 431530	1
Actinium-228		1.30	+/-0.358	0.218	0.800	pCi/g					
Americium-241	U	-0.229	+/-0.189	0.296	0.200	pCi/g					
Antimony-124	U	-0.272	+/-0.372	0.631	0.100	pCi/g					
Antimony-125	U	0.0627	+/-0.0974	0.184	0.200	pCi/g					
Barium-133	U	0.0115	+/-0.0437	0.0716	0.100	pCi/g					
Barium-140	U	-516	+/-1290	0.00	0.500	pCi/g					
Beryllium-7	U	0.661	+/-2.09	3.91	0.700	pCi/g					
Bismuth-212		0.922	+/-0.474	0.549	0.500	pCi/g					
Bismuth-214		0.937	+/-0.160	0.123	0.200	pCi/g					
Cerium-139	U	0.0864	+/-0.0941	0.107	0.050	pCi/g					
Cerium-141	U	2.81	+/-2.13	3.07	0.100	pCi/g					
Cerium-144	U	-0.0363	+/-0.323	0.514	0.500	pCi/g					
Cesium-134	U	0.0609	+/-0.0425	0.0861	0.100	pCi/g					
Cesium-136	U	-81.6	+/-432	0.00	0.300	pCi/g					
Cesium-137	U	0.00537	+/-0.0352	0.0637	0.100	pCi/g					
Chromium-51	U	-10.6	+/-16.4	29.4	0.600	pCi/g					
Cobalt-56	U	-0.0558	+/-0.141	0.252	0.100	pCi/g					
Cobalt-57	U	0.00666	+/-0.0365	0.0675	0.050	pCi/g					
Cobalt-58	U	0.0154	+/-0.190	0.307	0.100	pCi/g					
Cobalt-60	U	0.0115	+/-0.0399	0.0744	0.100	pCi/g					
Europium-152	U	-0.0163	+/-0.102	0.162	0.200	pCi/g					
Europium-154	U	-0.0658	+/-0.122	0.206	0.500	pCi/g					
Europium-155	U	0.018	+/-0.109	0.203	0.500	pCi/g					
Iridium-192	U	-0.0769	+/-0.134	0.241	0.100	pCi/g					
Iron-59	U	-0.744	+/-1.16	1.65	0.300	pCi/g					
Lead-210	U	-0.252	+/-4.57	7.75	4.00	pCi/g					
Lead-212		1.50	+/-0.191	0.109	0.100	pCi/g					
Lead-214		1.17	+/-0.170	0.112	0.100	pCi/g					
Manganese-54	U	-0.00619	+/-0.0518	0.0942	0.100	pCi/g					
Mercury-203	U	0.0965	+/-0.374	0.705	0.100	pCi/g					
Neodymium-147	U	-1870	+/-11200	0.00	1000	pCi/g					
Neptunium-239	U	0.081	+/-0.181	0.338	2.00	pCi/g					
Niobium-94	U	-0.00213	+/-0.0314	0.0556	1.00	pCi/g					
Niobium-95	U	0.766	+/-1.12	1.91	0.050	pCi/g					
Potassium-40		21.2	+/-2.16	0.558	1.00	pCi/g					
Promethium-144	U	-0.0183	+/-0.045	0.0774	0.080	pCi/g					
Promethium-146	U	0.0141	+/-0.0419	0.078	1.00	pCi/g					
Radium-228		1.30	+/-0.358	0.218	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-004
Sample ID: 137898059

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.290	+/-0.413	0.775	0.800	pCi/g					
Silver-110m	U	0.0322	+/-0.0477	0.0901	0.080	pCi/g					
Sodium-22	U	-0.0255	+/-0.0472	0.0802	0.080	pCi/g					
Thallium-208		0.431	+/-0.0865	0.0733	0.080	pCi/g					
Thorium-230		0.937	+/-0.160	0.123	1.00	pCi/g					
Thorium-234	U	1.28	+/-1.64	2.46	2.00	pCi/g					
Tin-113	U	0.0456	+/-0.0989	0.187	0.100	pCi/g					
Uranium-235		0.447	+/-0.299	0.407	0.500	pCi/g					
Uranium-238	U	1.28	+/-1.64	2.46	1.00	pCi/g					
Yttrium-88	U	0.0189	+/-0.0784	0.159	0.100	pCi/g					
Zinc-65	U	-0.0155	+/-0.156	0.238	0.300	pCi/g					
Zirconium-95	U	0.273	+/-0.387	0.746	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-004
Sample ID: 137898059

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-003
Sample ID: 137898060
Matrix: Soil
Collect Date: 04-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.03	+/-0.227	0.191	0.800	pCi/g		AKB 06/26/05	2005	431530	1
Americium-241	U	0.0024	+/-0.115	0.196	0.200	pCi/g					
Antimony-124	U	-0.179	+/-0.327	0.552	0.100	pCi/g					
Antimony-125	U	-0.0289	+/-0.0715	0.128	0.200	pCi/g					
Barium-133	U	0.00821	+/-0.032	0.0539	0.100	pCi/g					
Barium-140	U	-72.5	+/-907	0.00	0.500	pCi/g					
Beryllium-7	U	0.209	+/-1.82	3.00	0.700	pCi/g					
Bismuth-212		0.676	+/-0.281	0.390	0.500	pCi/g					
Bismuth-214		0.757	+/-0.128	0.090	0.200	pCi/g					
Cerium-139	U	0.00191	+/-0.0462	0.0835	0.050	pCi/g					
Cerium-141	U	0.731	+/-1.24	2.31	0.100	pCi/g					
Cerium-144	U	-0.0296	+/-0.235	0.380	0.500	pCi/g					
Cesium-134	U	0.0461	+/-0.0546	0.0756	0.100	pCi/g					
Cesium-136	UI	0.00	+/-297	0.00	0.300	pCi/g					
Cesium-137	U	0.00638	+/-0.027	0.0443	0.100	pCi/g					
Chromium-51	U	2.82	+/-13.2	25.1	0.600	pCi/g					
Cobalt-56	U	0.0431	+/-0.109	0.190	0.100	pCi/g					
Cobalt-57	U	-0.013	+/-0.027	0.0485	0.050	pCi/g					
Cobalt-58	U	0.111	+/-0.126	0.246	0.100	pCi/g					
Cobalt-60	U	0.00591	+/-0.0251	0.0487	0.100	pCi/g					
Europium-152	U	0.00476	+/-0.0709	0.133	0.200	pCi/g					
Europium-154	U	-0.0493	+/-0.0808	0.138	0.500	pCi/g					
Europium-155	U	0.0898	+/-0.122	0.145	0.500	pCi/g					
Iridium-192	U	-0.00408	+/-0.104	0.194	0.100	pCi/g					
Iron-59	U	0.0701	+/-0.716	1.34	0.300	pCi/g					
Lead-210	U	0.0588	+/-3.00	5.20	4.00	pCi/g					
Lead-212		1.14	+/-0.131	0.0837	0.100	pCi/g					
Lead-214		0.842	+/-0.131	0.087	0.100	pCi/g					
Manganese-54	U	0.023	+/-0.0393	0.0663	0.100	pCi/g					
Mercury-203	U	-0.0919	+/-0.315	0.582	0.100	pCi/g					
Neodymium-147	U	-3510	+/-7870	0.00	1000	pCi/g					
Neptunium-239	U	0.0423	+/-0.138	0.256	2.00	pCi/g					
Niobium-94	U	0.000923	+/-0.0232	0.0418	1.00	pCi/g					
Niobium-95	U	0.491	+/-0.825	1.54	0.050	pCi/g					
Potassium-40		17.5	+/-1.76	0.456	1.00	pCi/g					
Promethium-144	U	0.00733	+/-0.0327	0.0599	0.080	pCi/g					
Promethium-146	U	0.00484	+/-0.0307	0.0574	1.00	pCi/g					
Radium-228		1.03	+/-0.227	0.191	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-003
Sample ID: 137898060

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.126	+/-0.294	0.511	0.800	pCi/g					
Silver-110m	U	0.0181	+/-0.0341	0.0652	0.080	pCi/g					
Sodium-22	U	-0.0191	+/-0.0314	0.0536	0.080	pCi/g					
Thallium-208		0.403	+/-0.0729	0.0523	0.080	pCi/g					
Thorium-230		0.757	+/-0.128	0.0899	1.00	pCi/g					
Thorium-234		1.90	+/-1.19	1.59	2.00	pCi/g					
Tin-113	U	-0.0588	+/-0.082	0.145	0.100	pCi/g					
Uranium-235	U	0.111	+/-0.182	0.285	0.500	pCi/g					
Uranium-238		1.90	+/-1.19	1.59	1.00	pCi/g					
Yttrium-88	U	0.00378	+/-0.0519	0.109	0.100	pCi/g					
Zinc-65	U	-0.00147	+/-0.108	0.172	0.300	pCi/g					
Zirconium-95	U	0.143	+/-0.275	0.517	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1207	431302

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-003
Sample ID: 137898060

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-590
Sample ID: 137898061
Matrix: Soil
Collect Date: 23-NOV-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.751	+/-0.202	0.180	0.800	pCi/g		AKB 06/27/05	1232	431531	1
Americium-241	U	0.0148	+/-0.103	0.173	0.200	pCi/g					
Antimony-124	U	0.380	+/-0.500	1.15	0.100	pCi/g					
Antimony-125	U	-0.017	+/-0.0616	0.111	0.200	pCi/g					
Barium-133	U	-0.00941	+/-0.0332	0.0525	0.100	pCi/g					
Barium-140	UI	0.00	+/-8910	0.00	0.500	pCi/g					
Beryllium-7	U	1.56	+/-2.81	4.05	0.700	pCi/g					
Bismuth-212	U	0.260	+/-0.556	0.411	0.500	pCi/g					
Bismuth-214		0.476	+/-0.103	0.0787	0.200	pCi/g					
Cerium-139	U	0.0292	+/-0.0597	0.0975	0.050	pCi/g					
Cerium-141	U	1.49	+/-3.01	5.48	0.100	pCi/g					
Cerium-144	U	-0.00375	+/-0.213	0.379	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0394	0.0641	0.100	pCi/g					
Cesium-136	UI	0.00	+/-2890	0.00	0.300	pCi/g					
Cesium-137	U	0.0218	+/-0.0267	0.052	0.100	pCi/g					
Chromium-51	U	7.27	+/-33.5	63.5	0.600	pCi/g					
Cobalt-56	U	0.0729	+/-0.154	0.295	0.100	pCi/g					
Cobalt-57	U	0.00977	+/-0.0278	0.0508	0.050	pCi/g					
Cobalt-58	U	0.132	+/-0.186	0.365	0.100	pCi/g					
Cobalt-60	U	0.00456	+/-0.0296	0.0571	0.100	pCi/g					
Europium-152	U	0.00298	+/-0.0571	0.107	0.200	pCi/g					
Europium-154	U	-0.0153	+/-0.0881	0.161	0.500	pCi/g					
Europium-155	U	0.0309	+/-0.0701	0.130	0.500	pCi/g					
Iridium-192	U	-0.0493	+/-0.138	0.251	0.100	pCi/g					
Iron-59	U	-0.778	+/-1.39	2.42	0.300	pCi/g					
Lead-210	U	1.94	+/-3.10	4.77	4.00	pCi/g					
Lead-212		0.762	+/-0.103	0.0772	0.100	pCi/g					
Lead-214		0.507	+/-0.112	0.0831	0.100	pCi/g					
Manganese-54	U	0.00656	+/-0.0413	0.0753	0.100	pCi/g					
Mercury-203	U	0.449	+/-0.704	0.932	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-1.080E+05	0.00	1000	pCi/g					
Neptunium-239	U	0.0928	+/-0.125	0.233	2.00	pCi/g					
Niobium-94	U	0.0103	+/-0.0237	0.0402	1.00	pCi/g					
Niobium-95	U	2.30	+/-1.63	3.39	0.050	pCi/g					
Potassium-40		11.0	+/-1.29	0.370	1.00	pCi/g					
Promethium-144	U	0.00808	+/-0.0349	0.0645	0.080	pCi/g					
Promethium-146	U	0.0301	+/-0.0315	0.0622	1.00	pCi/g					
Radium-228		0.751	+/-0.202	0.180	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-590
Sample ID: 137898061

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.129	+/-0.300	0.572	0.800	pCi/g					
Silver-110m	U	-0.0171	+/-0.042	0.0728	0.080	pCi/g					
Sodium-22	U	-0.00587	+/-0.035	0.064	0.080	pCi/g					
Thallium-208		0.246	+/-0.0561	0.0568	0.080	pCi/g					
Thorium-230		0.475	+/-0.103	0.0787	1.00	pCi/g					
Thorium-234	U	0.597	+/-1.56	1.51	2.00	pCi/g					
Tin-113	U	0.0231	+/-0.0945	0.178	0.100	pCi/g					
Uranium-235	U	0.091	+/-0.140	0.255	0.500	pCi/g					
Uranium-238	U	0.597	+/-1.56	1.51	1.00	pCi/g					
Yttrium-88	U	0.041	+/-0.0737	0.171	0.100	pCi/g					
Zinc-65	U	0.0295	+/-0.119	0.202	0.300	pCi/g					
Zirconium-95	U	0.192	+/-0.425	0.807	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1212	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-590
Sample ID: 137898061

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-169
Sample ID: 137898062
Matrix: Soil
Collect Date: 14-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.777	+/-0.215	0.166	0.800	pCi/g		AKB 06/27/05	1233	431531	1
Americium-241	U	0.0914	+/-0.132	0.166	0.200	pCi/g					
Antimony-124	U	0.123	+/-0.354	0.755	0.100	pCi/g					
Antimony-125	U	0.0181	+/-0.064	0.119	0.200	pCi/g					
Barium-133	U	0.00262	+/-0.0299	0.0488	0.100	pCi/g					
Barium-140	UI	0.00	+/-2690	0.00	0.500	pCi/g					
Beryllium-7	U	1.51	+/-2.08	3.98	0.700	pCi/g					
Bismuth-212		0.508	+/-0.345	0.428	0.500	pCi/g					
Bismuth-214		0.490	+/-0.103	0.0785	0.200	pCi/g					
Cerium-139	U	-0.06	+/-0.0499	0.0837	0.050	pCi/g					
Cerium-141	U	0.256	+/-1.95	3.55	0.100	pCi/g					
Cerium-144	U	-0.203	+/-0.210	0.361	0.500	pCi/g					
Cesium-134	U	0.0429	+/-0.0395	0.0716	0.100	pCi/g					
Cesium-136	U	-245	+/-951	0.00	0.300	pCi/g					
Cesium-137	U	-0.0109	+/-0.0245	0.0436	0.100	pCi/g					
Chromium-51	U	7.46	+/-21.8	41.1	0.600	pCi/g					
Cobalt-56	U	-0.061	+/-0.133	0.231	0.100	pCi/g					
Cobalt-57	U	0.00087	+/-0.0253	0.0467	0.050	pCi/g					
Cobalt-58	U	-0.055	+/-0.155	0.272	0.100	pCi/g					
Cobalt-60	U	-0.000158	+/-0.0301	0.0555	0.100	pCi/g					
Europium-152	U	-0.0128	+/-0.0668	0.121	0.200	pCi/g					
Europium-154	U	-0.0102	+/-0.0899	0.163	0.500	pCi/g					
Europium-155	U	0.0735	+/-0.0734	0.140	0.500	pCi/g					
Iridium-192	U	0.024	+/-0.127	0.237	0.100	pCi/g					
Iron-59	U	0.213	+/-1.19	1.94	0.300	pCi/g					
Lead-210	U	1.21	+/-2.68	4.87	4.00	pCi/g					
Lead-212		0.880	+/-0.114	0.0775	0.100	pCi/g					
Lead-214		0.660	+/-0.121	0.080	0.100	pCi/g					
Manganese-54	U	0.0368	+/-0.0339	0.0678	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.567	0.628	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-30300	0.00	1000	pCi/g					
Neptunium-239	U	-0.0115	+/-0.130	0.238	2.00	pCi/g					
Niobium-94	U	0.0183	+/-0.0238	0.0461	1.00	pCi/g					
Niobium-95	U	0.956	+/-1.26	2.18	0.050	pCi/g					
Potassium-40		14.2	+/-1.42	0.417	1.00	pCi/g					
Promethium-144	U	0.0189	+/-0.0332	0.0637	0.080	pCi/g					
Promethium-146	U	-0.0216	+/-0.0321	0.0464	1.00	pCi/g					
Radium-228		0.777	+/-0.215	0.166	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-169
Sample ID: 137898062

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0338	+/-0.298	0.559	0.800	pCi/g					
Silver-110m	U	0.00628	+/-0.0368	0.0693	0.080	pCi/g					
Sodium-22	U	-0.00399	+/-0.0353	0.0638	0.080	pCi/g					
Thallium-208		0.304	+/-0.0698	0.0567	0.080	pCi/g					
Thorium-230		0.490	+/-0.103	0.0785	1.00	pCi/g					
Thorium-234		2.31	+/-1.58	1.40	2.00	pCi/g					
Tin-113	U	-0.0363	+/-0.0867	0.153	0.100	pCi/g					
Uranium-235	U	0.176	+/-0.141	0.265	0.500	pCi/g					
Uranium-238		2.31	+/-1.58	1.40	1.00	pCi/g					
Yttrium-88	U	0.034	+/-0.065	0.143	0.100	pCi/g					
Zinc-65	U	-0.0372	+/-0.186	0.173	0.300	pCi/g					
Zirconium-95	U	0.239	+/-0.316	0.613	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1212	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-169
Sample ID: 137898062

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-13
Sample ID: 137898063
Matrix: Soil
Collect Date: 01-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.17	+/-0.347	0.235	0.800	pCi/g		AKB 06/27/05	1233	431531	1
Americium-241	U	0.0512	+/-0.0551	0.0908	0.200	pCi/g					
Antimony-124	U	-0.0989	+/-0.203	0.356	0.100	pCi/g					
Antimony-125	U	0.00267	+/-0.0915	0.161	0.200	pCi/g					
Barium-133	U	0.0311	+/-0.0464	0.0757	0.100	pCi/g					
Barium-140	UI	0.00	+/-170	0.00	0.500	pCi/g					
Beryllium-7	U	-0.143	+/-0.992	1.83	0.700	pCi/g					
Bismuth-212		0.559	+/-0.518	0.484	0.500	pCi/g					
Bismuth-214		1.58	+/-0.249	0.108	0.200	pCi/g					
Cerium-139	U	-0.013	+/-0.0429	0.0771	0.050	pCi/g					
Cerium-141	U	0.121	+/-0.495	0.913	0.100	pCi/g					
Cerium-144	U	-0.0835	+/-0.216	0.391	0.500	pCi/g					
Cesium-134	U	0.0629	+/-0.0538	0.0908	0.100	pCi/g					
Cesium-136	U	-0.0367	+/-20.5	0.00	0.300	pCi/g					
Cesium-137	U	-0.0101	+/-0.035	0.0622	0.100	pCi/g					
Chromium-51	U	-1.57	+/-4.20	7.29	0.600	pCi/g					
Cobalt-56	U	-0.0288	+/-0.0964	0.168	0.100	pCi/g					
Cobalt-57	U	-0.00118	+/-0.0256	0.0473	0.050	pCi/g					
Cobalt-58	U	0.108	+/-0.122	0.141	0.100	pCi/g					
Cobalt-60	U	0.00559	+/-0.0345	0.0661	0.100	pCi/g					
Europium-152	U	0.0048	+/-0.0981	0.153	0.200	pCi/g					
Europium-154	U	0.0216	+/-0.119	0.222	0.500	pCi/g					
Europium-155	U	0.0834	+/-0.112	0.150	0.500	pCi/g					
Iridium-192	U	0.0125	+/-0.0792	0.142	0.100	pCi/g					
Iron-59	U	0.487	+/-0.755	0.700	0.300	pCi/g					
Lead-210		0.842	+/-0.790	0.766	4.00	pCi/g					
Lead-212		1.26	+/-0.153	0.100	0.100	pCi/g					
Lead-214		1.41	+/-0.210	0.118	0.100	pCi/g					
Manganese-54	U	-0.0247	+/-0.0439	0.0747	0.100	pCi/g					
Mercury-203	U	0.198	+/-0.198	0.284	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-325	0.00	1000	pCi/g					
Neptunium-239	U	0.0931	+/-0.149	0.281	2.00	pCi/g					
Niobium-94	U	0.0236	+/-0.0328	0.0624	1.00	pCi/g					
Niobium-95	U	0.0191	+/-0.379	0.598	0.050	pCi/g					
Potassium-40		11.8	+/-1.38	0.630	1.00	pCi/g					
Promethium-144	U	0.0198	+/-0.0375	0.0712	0.080	pCi/g					
Promethium-146	U	-0.0118	+/-0.0382	0.0693	1.00	pCi/g					
Radium-228		1.17	+/-0.347	0.235	0.500	pCi/g					

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Certificate of Analysis

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-13
Sample ID: 137898063

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0677	+/-0.354	0.637	0.800	pCi/g					
Silver-110m	U	0.0107	+/-0.0401	0.0751	0.080	pCi/g					
Sodium-22	U	0.00815	+/-0.0447	0.0837	0.080	pCi/g					
Thallium-208		0.448	+/-0.0873	0.0619	0.080	pCi/g					
Thorium-230		1.58	+/-0.249	0.108	1.00	pCi/g					
Thorium-234		1.59	+/-0.888	0.897	2.00	pCi/g					
Tin-113	U	-0.00489	+/-0.0769	0.135	0.100	pCi/g					
Uranium-235	U	0.197	+/-0.187	0.350	0.500	pCi/g					
Uranium-238		1.59	+/-0.888	0.897	1.00	pCi/g					
Yttrium-88	U	-0.0249	+/-0.0611	0.108	0.100	pCi/g					
Zinc-65	U	-0.0682	+/-0.113	0.164	0.300	pCi/g					
Zirconium-95	U	0.0788	+/-0.196	0.369	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1212	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-13
Sample ID: 137898063

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-164
Sample ID: 137898064
Matrix: Soil
Collect Date: 28-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.973	+/-0.277	0.192	0.800	pCi/g		AKB 06/27/05	1234	431531	1
Americium-241	U	-0.0427	+/-0.171	0.244	0.200	pCi/g					
Antimony-124	U	-0.0493	+/-0.146	0.264	0.100	pCi/g					
Antimony-125	U	0.0245	+/-0.0812	0.147	0.200	pCi/g					
Barium-133	U	0.00674	+/-0.0356	0.0582	0.100	pCi/g					
Barium-140	U	-3.8	+/-12.5	22.7	0.500	pCi/g					
Beryllium-7	U	-0.247	+/-0.658	1.21	0.700	pCi/g					
Bismuth-212		0.917	+/-0.481	0.396	0.500	pCi/g					
Bismuth-214		1.02	+/-0.166	0.0902	0.200	pCi/g					
Cerium-139	U	0.000586	+/-0.0339	0.0633	0.050	pCi/g					
Cerium-141	U	0.426	+/-0.387	0.453	0.100	pCi/g					
Cerium-144	U	0.310	+/-0.284	0.360	0.500	pCi/g					
Cesium-134	U	0.0711	+/-0.0472	0.0784	0.100	pCi/g					
Cesium-136	U	1.36	+/-5.14	9.44	0.300	pCi/g					
Cesium-137	U	-0.0205	+/-0.0297	0.0513	0.100	pCi/g					
Chromium-51	U	0.505	+/-2.03	3.71	0.600	pCi/g					
Cobalt-56	U	-0.0214	+/-0.0642	0.113	0.100	pCi/g					
Cobalt-57	U	0.0158	+/-0.023	0.0451	0.050	pCi/g					
Cobalt-58	U	-0.0222	+/-0.0672	0.119	0.100	pCi/g					
Cobalt-60	U	0.0122	+/-0.0322	0.0635	0.100	pCi/g					
Europium-152	U	-0.02	+/-0.0792	0.139	0.200	pCi/g					
Europium-154	U	-0.000399	+/-0.0943	0.177	0.500	pCi/g					
Europium-155	U	0.0262	+/-0.0826	0.161	0.500	pCi/g					
Iridium-192	U	-0.0119	+/-0.0592	0.105	0.100	pCi/g					
Iron-59	U	-0.0983	+/-0.235	0.424	0.300	pCi/g					
Lead-210	U	3.12	+/-3.90	6.92	4.00	pCi/g					
Lead-212		1.16	+/-0.133	0.086	0.100	pCi/g					
Lead-214		0.892	+/-0.158	0.098	0.100	pCi/g					
Manganese-54	U	0.00855	+/-0.0368	0.0682	0.100	pCi/g					
Mercury-203	U	-0.066	+/-0.105	0.183	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-56.1	0.00	1000	pCi/g					
Neptunium-239	U	0.0543	+/-0.141	0.274	2.00	pCi/g					
Niobium-94	U	0.0322	+/-0.0301	0.0477	1.00	pCi/g					
Niobium-95	U	0.056	+/-0.180	0.302	0.050	pCi/g					
Potassium-40		19.0	+/-1.85	0.460	1.00	pCi/g					
Promethium-144	U	0.0303	+/-0.0297	0.0598	0.080	pCi/g					
Promethium-146	U	0.0202	+/-0.0349	0.0685	1.00	pCi/g					
Radium-228		0.973	+/-0.277	0.192	0.500	pCi/g					

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Certificate of Analysis

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-164
Sample ID: 137898064

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.00699	+/-0.273	0.509	0.800	pCi/g					
Silver-110m	U	0.0294	+/-0.0338	0.0672	0.080	pCi/g					
Sodium-22	U	-0.00257	+/-0.0354	0.0657	0.080	pCi/g					
Thallium-208		0.420	+/-0.0843	0.0511	0.080	pCi/g					
Thorium-230		1.02	+/-0.166	0.0902	1.00	pCi/g					
Thorium-234		3.47	+/-2.68	1.96	2.00	pCi/g					
Tin-113	U	-0.037	+/-0.0575	0.0967	0.100	pCi/g					
Uranium-235	UUI	0.00	+/-0.286	0.319	0.500	pCi/g					
Uranium-238		3.47	+/-2.68	1.96	1.00	pCi/g					
Yttrium-88	U	0.00752	+/-0.0491	0.0967	0.100	pCi/g					
Zinc-65	U	0.0794	+/-0.0936	0.172	0.300	pCi/g					
Zirconium-95	U	0.0619	+/-0.130	0.248	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1212	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-164
Sample ID: 137898064

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-105
Sample ID: 137898065
Matrix: Soil
Collect Date: 23-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.03	+/-0.217	0.166	0.800	pCi/g		AKB 06/27/05	1234	431531	1
Americium-241	U	0.0521	+/-0.113	0.201	0.200	pCi/g					
Antimony-124	U	-0.0348	+/-0.174	0.314	0.100	pCi/g					
Antimony-125	U	-0.0301	+/-0.0719	0.125	0.200	pCi/g					
Barium-133	U	-0.00341	+/-0.0354	0.0564	0.100	pCi/g					
Barium-140	U	-9.57	+/-14.9	24.3	0.500	pCi/g					
Beryllium-7	U	0.0551	+/-0.714	1.29	0.700	pCi/g					
Bismuth-212		0.613	+/-0.519	0.393	0.500	pCi/g					
Bismuth-214		0.628	+/-0.143	0.093	0.200	pCi/g					
Cerium-139	U	0.00252	+/-0.0307	0.0552	0.050	pCi/g					
Cerium-141	U	0.105	+/-0.253	0.465	0.100	pCi/g					
Cerium-144	U	-0.0211	+/-0.175	0.316	0.500	pCi/g					
Cesium-134	U	0.0342	+/-0.0647	0.0736	0.100	pCi/g					
Cesium-136	U	-1.5	+/-6.41	9.54	0.300	pCi/g					
Cesium-137	U	-0.0151	+/-0.0307	0.0462	0.100	pCi/g					
Chromium-51	U	1.27	+/-2.14	4.06	0.600	pCi/g					
Cobalt-56	U	-0.0269	+/-0.0736	0.109	0.100	pCi/g					
Cobalt-57	U	-0.00183	+/-0.0211	0.0386	0.050	pCi/g					
Cobalt-58	U	-0.0583	+/-0.0822	0.116	0.100	pCi/g					
Cobalt-60	U	0.0167	+/-0.0328	0.0647	0.100	pCi/g					
Europium-152	U	-0.0108	+/-0.0785	0.125	0.200	pCi/g					
Europium-154	U	0.0218	+/-0.0989	0.166	0.500	pCi/g					
Europium-155	U	0.027	+/-0.0741	0.139	0.500	pCi/g					
Iridium-192	U	-0.02	+/-0.0545	0.0978	0.100	pCi/g					
Iron-59	U	0.143	+/-0.262	0.511	0.300	pCi/g					
Lead-210	U	-0.757	+/-3.27	5.20	4.00	pCi/g					
Lead-212		0.923	+/-0.126	0.0764	0.100	pCi/g					
Lead-214		0.659	+/-0.148	0.0912	0.100	pCi/g					
Manganese-54	U	0.00234	+/-0.0372	0.0676	0.100	pCi/g					
Mercury-203	U	0.103	+/-0.0971	0.190	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-68.8	0.00	1000	pCi/g					
Neptunium-239	U	-0.0434	+/-0.134	0.242	2.00	pCi/g					
Niobium-94	U	0.0185	+/-0.0251	0.0491	1.00	pCi/g					
Niobium-95	U	0.117	+/-0.212	0.358	0.050	pCi/g					
Potassium-40		16.4	+/-1.65	0.497	1.00	pCi/g					
Promethium-144	U	-0.0113	+/-0.0306	0.0545	0.080	pCi/g					
Promethium-146	U	-0.000263	+/-0.0329	0.0593	1.00	pCi/g					
Radium-228		1.03	+/-0.217	0.166	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-105
Sample ID: 137898065

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0595	+/-0.272	0.516	0.800	pCi/g					
Silver-110m	U	0.022	+/-0.0306	0.0588	0.080	pCi/g					
Sodium-22	U	0.00806	+/-0.0369	0.0617	0.080	pCi/g					
Thallium-208		0.386	+/-0.0655	0.0474	0.080	pCi/g					
Thorium-230		0.628	+/-0.143	0.093	1.00	pCi/g					
Thorium-234	U	0.218	+/-0.995	1.73	2.00	pCi/g					
Tin-113	U	-0.00885	+/-0.0537	0.0963	0.100	pCi/g					
Uranium-235	U	0.0696	+/-0.150	0.276	0.500	pCi/g					
Uranium-238	U	0.218	+/-0.995	1.73	1.00	pCi/g					
Yttrium-88	U	0.0129	+/-0.0508	0.103	0.100	pCi/g					
Zinc-65	U	-0.0625	+/-0.104	0.151	0.300	pCi/g					
Zirconium-95	U	0.115	+/-0.132	0.260	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1212	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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B Target analyte was detected in the sample as well as the associated blank.
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H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-105
Sample ID: 137898065

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-050
Sample ID: 137898066
Matrix: Soil
Collect Date: 18-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.349	+/-0.162	0.166	0.800	pCi/g		AKB 06/27/05	1235	431531	1
Americium-241	U	0.0264	+/-0.105	0.185	0.200	pCi/g					
Antimony-124	U	0.0397	+/-0.112	0.244	0.100	pCi/g					
Antimony-125	U	0.0857	+/-0.0645	0.112	0.200	pCi/g					
Barium-133	U	-0.00365	+/-0.0284	0.046	0.100	pCi/g					
Barium-140	U	-10.1	+/-16.7	27.8	0.500	pCi/g					
Beryllium-7	U	-0.233	+/-0.594	1.05	0.700	pCi/g					
Bismuth-212	U	0.146	+/-0.203	0.405	0.500	pCi/g					
Bismuth-214		0.276	+/-0.0834	0.077	0.200	pCi/g					
Cerium-139	U	-0.000639	+/-0.0272	0.0493	0.050	pCi/g					
Cerium-141	U	0.0586	+/-0.252	0.466	0.100	pCi/g					
Cerium-144	U	0.0485	+/-0.160	0.298	0.500	pCi/g					
Cesium-134	U	-0.0133	+/-0.0266	0.0471	0.100	pCi/g					
Cesium-136	U	1.81	+/-8.49	11.4	0.300	pCi/g					
Cesium-137	U	-0.0066	+/-0.0244	0.0447	0.100	pCi/g					
Chromium-51	U	-0.161	+/-1.91	3.55	0.600	pCi/g					
Cobalt-56	U	0.0135	+/-0.0514	0.0991	0.100	pCi/g					
Cobalt-57	U	0.00584	+/-0.0196	0.0369	0.050	pCi/g					
Cobalt-58	U	0.0517	+/-0.0534	0.0802	0.100	pCi/g					
Cobalt-60	U	0.0146	+/-0.0222	0.0473	0.100	pCi/g					
Europium-152	U	-0.038	+/-0.0712	0.109	0.200	pCi/g					
Europium-154	U	-0.0364	+/-0.0788	0.117	0.500	pCi/g					
Europium-155	U	-0.0169	+/-0.0653	0.120	0.500	pCi/g					
Iridium-192	U	-0.0138	+/-0.0472	0.0865	0.100	pCi/g					
Iron-59	U	0.0853	+/-0.191	0.377	0.300	pCi/g					
Lead-210	U	-0.358	+/-2.68	4.66	4.00	pCi/g					
Lead-212		0.381	+/-0.0749	0.0822	0.100	pCi/g					
Lead-214		0.450	+/-0.0933	0.0771	0.100	pCi/g					
Manganese-54	U	-6.230E-05	+/-0.0278	0.0518	0.100	pCi/g					
Mercury-203	U	0.0649	+/-0.0891	0.176	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-78.5	0.00	1000	pCi/g					
Neptunium-239	U	0.0673	+/-0.120	0.230	2.00	pCi/g					
Niobium-94	U	-0.0081	+/-0.0186	0.0336	1.00	pCi/g					
Niobium-95	U	-0.025	+/-0.151	0.278	0.050	pCi/g					
Potassium-40		7.53	+/-1.19	0.269	1.00	pCi/g					
Promethium-144	U	0.000792	+/-0.0231	0.044	0.080	pCi/g					
Promethium-146	U	0.0071	+/-0.0268	0.0508	1.00	pCi/g					
Radium-228		0.349	+/-0.162	0.166	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-050
Sample ID: 137898066

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0624	+/-0.227	0.444	0.800	pCi/g					
Silver-110m	U	-0.0046	+/-0.0272	0.0506	0.080	pCi/g					
Sodium-22	U	-0.014	+/-0.0294	0.0437	0.080	pCi/g					
Thallium-208	UUI	0.00	+/-0.0563	0.0743	0.080	pCi/g					
Thorium-230		0.276	+/-0.0834	0.077	1.00	pCi/g					
Thorium-234	U	0.893	+/-1.22	1.47	2.00	pCi/g					
Tin-113	U	-0.028	+/-0.0446	0.0779	0.100	pCi/g					
Uranium-235	U	0.144	+/-0.138	0.264	0.500	pCi/g					
Uranium-238	U	0.893	+/-1.22	1.47	1.00	pCi/g					
Yttrium-88	U	-0.016	+/-0.033	0.058	0.100	pCi/g					
Zinc-65	U	0.0584	+/-0.0737	0.134	0.300	pCi/g					
Zirconium-95	U	0.0101	+/-0.103	0.196	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1212	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-050
Sample ID: 137898066

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-080
Sample ID: 137898067
Matrix: Soil
Collect Date: 23-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)								AKB	06/27/05	1235	431531 1
Actinium-228		0.731	+/-0.212	0.134	0.800	pCi/g					
Americium-241	U	-0.045	+/-0.183	0.251	0.200	pCi/g					
Antimony-124	U	-0.0629	+/-0.115	0.195	0.100	pCi/g					
Antimony-125	U	0.0538	+/-0.0537	0.109	0.200	pCi/g					
Barium-133	U	-0.0313	+/-0.0303	0.0453	0.100	pCi/g					
Barium-140	U	-10.5	+/-13.6	19.3	0.500	pCi/g					
Beryllium-7	U	0.251	+/-0.522	1.01	0.700	pCi/g					
Bismuth-212		0.855	+/-0.389	0.328	0.500	pCi/g					
Bismuth-214		0.531	+/-0.103	0.0739	0.200	pCi/g					
Cerium-139	U	0.00981	+/-0.0268	0.0503	0.050	pCi/g					
Cerium-141	U	0.101	+/-0.222	0.419	0.100	pCi/g					
Cerium-144	U	-0.00567	+/-0.157	0.262	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0418	0.0589	0.100	pCi/g					
Cesium-136	U	-1.3	+/-4.42	8.07	0.300	pCi/g					
Cesium-137	U	-0.00793	+/-0.0219	0.0387	0.100	pCi/g					
Chromium-51	U	-0.145	+/-1.64	2.90	0.600	pCi/g					
Cobalt-56	U	0.0253	+/-0.0529	0.0996	0.100	pCi/g					
Cobalt-57	U	-0.0133	+/-0.0189	0.0342	0.050	pCi/g					
Cobalt-58	U	-0.0783	+/-0.0562	0.0843	0.100	pCi/g					
Cobalt-60	U	-0.000253	+/-0.0266	0.0495	0.100	pCi/g					
Europium-152	U	0.0159	+/-0.0605	0.116	0.200	pCi/g					
Europium-154	U	0.0759	+/-0.0883	0.175	0.500	pCi/g					
Europium-155	U	0.099	+/-0.101	0.124	0.500	pCi/g					
Iridium-192	U	0.016	+/-0.0408	0.0752	0.100	pCi/g					
Iron-59	U	-0.0781	+/-0.205	0.367	0.300	pCi/g					
Lead-210	U	0.0673	+/-4.86	8.70	4.00	pCi/g					
Lead-212		0.833	+/-0.114	0.064	0.100	pCi/g					
Lead-214		0.635	+/-0.124	0.0787	0.100	pCi/g					
Manganese-54	U	0.00641	+/-0.0273	0.0504	0.100	pCi/g					
Mercury-203	U	0.0488	+/-0.0603	0.155	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-61.7	0.00	1000	pCi/g					
Neptunium-239	U	-0.00288	+/-0.121	0.226	2.00	pCi/g					
Niobium-94	U	0.0144	+/-0.0229	0.0433	1.00	pCi/g					
Niobium-95	U	-0.0403	+/-0.156	0.238	0.050	pCi/g					
Potassium-40		15.9	+/-1.64	0.386	1.00	pCi/g					
Promethium-144	U	-0.00949	+/-0.0251	0.044	0.080	pCi/g					
Promethium-146	U	0.0105	+/-0.0254	0.0491	1.00	pCi/g					
Radium-228		0.731	+/-0.212	0.134	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-080
Sample ID: 137898067

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.00244	+/-0.228	0.418	0.800	pCi/g					
Silver-110m	U	0.000356	+/-0.0248	0.0456	0.080	pCi/g					
Sodium-22	U	0.0281	+/-0.0329	0.0654	0.080	pCi/g					
Thallium-208		0.246	+/-0.0597	0.0466	0.080	pCi/g					
Thorium-230		0.531	+/-0.103	0.0738	1.00	pCi/g					
Thorium-234	U	0.941	+/-2.00	1.92	2.00	pCi/g					
Tin-113	U	-0.0278	+/-0.0482	0.0754	0.100	pCi/g					
Uranium-235	U	0.0189	+/-0.132	0.246	0.500	pCi/g					
Uranium-238	U	0.941	+/-2.00	1.92	1.00	pCi/g					
Yttrium-88	U	-0.000607	+/-0.0377	0.075	0.100	pCi/g					
Zinc-65	U	0.0405	+/-0.0744	0.131	0.300	pCi/g					
Zirconium-95	U	0.0541	+/-0.106	0.202	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1212	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-080
Sample ID: 137898067

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-122
Sample ID: 137898068
Matrix: Soil
Collect Date: 23-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.41	+/-0.340	0.268	0.800	pCi/g		AKB 06/27/05	1236	431531	1
Americium-241	U	0.116	+/-0.214	0.343	0.200	pCi/g					
Antimony-124	U	0.0872	+/-0.142	0.316	0.100	pCi/g					
Antimony-125	U	0.00526	+/-0.101	0.180	0.200	pCi/g					
Barium-133	U	0.0139	+/-0.0471	0.076	0.100	pCi/g					
Barium-140	U	4.82	+/-20.2	36.2	0.500	pCi/g					
Beryllium-7	U	-0.0606	+/-0.982	1.72	0.700	pCi/g					
Bismuth-212		1.12	+/-0.435	0.589	0.500	pCi/g					
Bismuth-214		0.862	+/-0.194	0.140	0.200	pCi/g					
Cerium-139	U	0.0315	+/-0.0591	0.0917	0.050	pCi/g					
Cerium-141	UUI	0.00	+/-0.741	0.712	0.100	pCi/g					
Cerium-144	U	-0.109	+/-0.295	0.496	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0664	0.0841	0.100	pCi/g					
Cesium-136	U	0.294	+/-8.56	15.4	0.300	pCi/g					
Cesium-137		0.343	+/-0.0885	0.0702	0.100	pCi/g					
Chromium-51	U	1.59	+/-2.68	4.97	0.600	pCi/g					
Cobalt-56	U	0.0157	+/-0.083	0.154	0.100	pCi/g					
Cobalt-57	U	0.0074	+/-0.0368	0.0635	0.050	pCi/g					
Cobalt-58	U	0.0401	+/-0.0962	0.172	0.100	pCi/g					
Cobalt-60		0.883	+/-0.120	0.0653	0.100	pCi/g					
Europium-152	U	0.0149	+/-0.0949	0.171	0.200	pCi/g					
Europium-154	U	-0.0474	+/-0.132	0.194	0.500	pCi/g					
Europium-155	U	0.162	+/-0.155	0.225	0.500	pCi/g					
Iridium-192	U	-0.00159	+/-0.0744	0.133	0.100	pCi/g					
Iron-59	U	-0.143	+/-0.308	0.532	0.300	pCi/g					
Lead-210	U	2.28	+/-5.04	8.18	4.00	pCi/g					
Lead-212		1.42	+/-0.166	0.101	0.100	pCi/g					
Lead-214		1.27	+/-0.192	0.120	0.100	pCi/g					
Manganese-54	U	0.0226	+/-0.0498	0.0888	0.100	pCi/g					
Mercury-203	U	0.139	+/-0.183	0.243	0.100	pCi/g					
Neodymium-147	U	-16.6	+/-90.2	0.00	1000	pCi/g					
Neptunium-239	U	0.0906	+/-0.252	0.393	2.00	pCi/g					
Niobium-94	U	0.011	+/-0.0353	0.0628	1.00	pCi/g					
Niobium-95	U	0.168	+/-0.308	0.489	0.050	pCi/g					
Potassium-40		19.5	+/-2.10	0.504	1.00	pCi/g					
Promethium-144	U	0.0168	+/-0.0409	0.0736	0.080	pCi/g					
Promethium-146	U	0.0429	+/-0.0471	0.0879	1.00	pCi/g					
Radium-228		1.41	+/-0.340	0.268	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-122
Sample ID: 137898068

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0147	+/-0.367	0.642	0.800	pCi/g					
Silver-110m	U	-0.0499	+/-0.0544	0.0733	0.080	pCi/g					
Sodium-22	U	-0.0179	+/-0.0491	0.0722	0.080	pCi/g					
Thallium-208		0.449	+/-0.0903	0.0695	0.080	pCi/g					
Thorium-230		0.862	+/-0.194	0.140	1.00	pCi/g					
Thorium-234		16.9	+/-4.50	2.66	2.00	pCi/g					
Tin-113	U	-0.0362	+/-0.0744	0.128	0.100	pCi/g					
Uranium-235		3.02	+/-0.649	0.693	0.500	pCi/g					
Uranium-238		16.9	+/-4.50	2.66	1.00	pCi/g					
Yttrium-88	U	-0.041	+/-0.0592	0.101	0.100	pCi/g					
Zinc-65	U	-0.0635	+/-0.227	0.218	0.300	pCi/g					
Zirconium-95	U	0.0727	+/-0.182	0.327	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1213	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Address : 2000 Day Hill Rd.
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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-122
Sample ID: 137898068

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-159
Sample ID: 137898069
Matrix: Soil
Collect Date: 28-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid (Standard List)												
Actinium-228		0.849	+/-0.164	0.149	0.800	pCi/g		AKB	06/27/05	1236	431531	1
Americium-241	U	-0.0621	+/-0.175	0.322	0.200	pCi/g						
Antimony-124	U	-0.00908	+/-0.125	0.235	0.100	pCi/g						
Antimony-125	U	-0.0178	+/-0.0539	0.103	0.200	pCi/g						
Barium-133	U	0.0016	+/-0.0297	0.0486	0.100	pCi/g						
Barium-140	U	2.70	+/-8.74	17.2	0.500	pCi/g						
Beryllium-7	U	0.362	+/-0.499	1.01	0.700	pCi/g						
Bismuth-212		0.706	+/-0.347	0.352	0.500	pCi/g						
Bismuth-214		0.767	+/-0.108	0.0766	0.200	pCi/g						
Cerium-139	U	-0.0218	+/-0.0269	0.050	0.050	pCi/g						
Cerium-141	U	-0.067	+/-0.190	0.365	0.100	pCi/g						
Cerium-144	U	-0.109	+/-0.151	0.288	0.500	pCi/g						
Cesium-134	U	0.0621	+/-0.0544	0.0634	0.100	pCi/g						
Cesium-136	U	-2.85	+/-4.88	7.00	0.300	pCi/g						
Cesium-137	U	-0.00466	+/-0.0216	0.0398	0.100	pCi/g						
Chromium-51	U	-1.13	+/-1.57	2.75	0.600	pCi/g						
Cobalt-56	U	-0.0436	+/-0.0478	0.0801	0.100	pCi/g						
Cobalt-57	U	0.00113	+/-0.0192	0.0381	0.050	pCi/g						
Cobalt-58	U	0.00808	+/-0.0466	0.0882	0.100	pCi/g						
Cobalt-60	U	0.0165	+/-0.0235	0.0482	0.100	pCi/g						
Europium-152	U	-0.0631	+/-0.0641	0.110	0.200	pCi/g						
Europium-154	U	0.0663	+/-0.0781	0.158	0.500	pCi/g						
Europium-155	U	0.0644	+/-0.0707	0.146	0.500	pCi/g						
Iridium-192	U	0.0352	+/-0.0382	0.0772	0.100	pCi/g						
Iron-59	U	-0.152	+/-0.170	0.296	0.300	pCi/g						
Lead-210	U	1.74	+/-8.21	14.7	4.00	pCi/g						
Lead-212		0.882	+/-0.0934	0.108	0.100	pCi/g						
Lead-214		0.802	+/-0.123	0.0812	0.100	pCi/g						
Manganese-54	U	0.00173	+/-0.0282	0.052	0.100	pCi/g						
Mercury-203	U	0.0235	+/-0.0816	0.154	0.100	pCi/g						
Neodymium-147	UI	0.00	+/-39.3	0.00	1000	pCi/g						
Neptunium-239	U	-0.127	+/-0.119	0.226	2.00	pCi/g						
Niobium-94	U	0.0112	+/-0.020	0.039	1.00	pCi/g						
Niobium-95	U	-0.0204	+/-0.144	0.261	0.050	pCi/g						
Potassium-40		15.3	+/-1.27	0.589	1.00	pCi/g						
Promethium-144	U	-0.0098	+/-0.0235	0.0424	0.080	pCi/g						
Promethium-146	U	0.00186	+/-0.0263	0.0512	1.00	pCi/g						
Radium-228		0.849	+/-0.164	0.149	0.500	pCi/g						

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-159
Sample ID: 137898069

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.179	+/-0.202	0.413	0.800	pCi/g					
Silver-110m	U	0.00794	+/-0.0247	0.0478	0.080	pCi/g					
Sodium-22	U	0.0247	+/-0.0291	0.0587	0.080	pCi/g					
Thallium-208		0.353	+/-0.0616	0.0465	0.080	pCi/g					
Thorium-230		0.766	+/-0.108	0.0766	1.00	pCi/g					
Thorium-234	U	1.92	+/-1.25	2.52	2.00	pCi/g					
Tin-113	U	0.0265	+/-0.0447	0.0847	0.100	pCi/g					
Uranium-235	U	0.0288	+/-0.128	0.251	0.500	pCi/g					
Uranium-238	U	1.92	+/-1.25	2.52	1.00	pCi/g					
Yttrium-88	U	0.012	+/-0.0356	0.0721	0.100	pCi/g					
Zinc-65	U	0.0625	+/-0.0655	0.123	0.300	pCi/g					
Zirconium-95	U	0.0705	+/-0.0957	0.189	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1213	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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E Concentration of the target analyte exceeds the instrument calibration range.
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J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-159
Sample ID: 137898069

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-176
Sample ID: 137898070
Matrix: Soil
Collect Date: 30-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.01	+/-0.200	0.117	0.800	pCi/g		AKB 06/27/05	1237	431531	1
Americium-241	U	0.0252	+/-0.065	0.130	0.200	pCi/g					
Antimony-124	U	-0.02	+/-0.0875	0.158	0.100	pCi/g					
Antimony-125	U	0.0135	+/-0.0503	0.0919	0.200	pCi/g					
Barium-133	U	0.0162	+/-0.0236	0.0399	0.100	pCi/g					
Barium-140	U	0.860	+/-6.63	12.5	0.500	pCi/g					
Beryllium-7	U	0.115	+/-0.415	0.755	0.700	pCi/g					
Bismuth-212		0.444	+/-0.281	0.279	0.500	pCi/g					
Bismuth-214		0.623	+/-0.102	0.0608	0.200	pCi/g					
Cerium-139	U	-0.0167	+/-0.0237	0.0416	0.050	pCi/g					
Cerium-141	U	-0.0695	+/-0.191	0.306	0.100	pCi/g					
Cerium-144	U	-0.0123	+/-0.134	0.247	0.500	pCi/g					
Cesium-134	U	0.0366	+/-0.042	0.0493	0.100	pCi/g					
Cesium-136	U	0.990	+/-2.75	5.14	0.300	pCi/g					
Cesium-137	U	-8.290E-05	+/-0.019	0.0346	0.100	pCi/g					
Chromium-51	U	0.452	+/-1.23	2.30	0.600	pCi/g					
Cobalt-56	U	0.0407	+/-0.0331	0.0683	0.100	pCi/g					
Cobalt-57	U	-0.00581	+/-0.0167	0.0308	0.050	pCi/g					
Cobalt-58	U	0.0228	+/-0.0268	0.0565	0.100	pCi/g					
Cobalt-60	U	0.0252	+/-0.0231	0.037	0.100	pCi/g					
Europium-152	U	0.00883	+/-0.048	0.0891	0.200	pCi/g					
Europium-154	U	-0.0391	+/-0.064	0.108	0.500	pCi/g					
Europium-155	U	-0.0158	+/-0.0589	0.110	0.500	pCi/g					
Iridium-192	U	0.0126	+/-0.0375	0.0701	0.100	pCi/g					
Iron-59	U	-0.0805	+/-0.156	0.270	0.300	pCi/g					
Lead-210	U	1.94	+/-1.84	2.20	4.00	pCi/g					
Lead-212		0.925	+/-0.100	0.0587	0.100	pCi/g					
Lead-214		0.768	+/-0.116	0.0596	0.100	pCi/g					
Manganese-54	U	0.0134	+/-0.0253	0.0462	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.132	0.111	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-31.6	0.00	1000	pCi/g					
Neptunium-239	U	-0.014	+/-0.105	0.196	2.00	pCi/g					
Niobium-94	U	0.0129	+/-0.0176	0.0333	1.00	pCi/g					
Niobium-95	U	0.118	+/-0.126	0.211	0.050	pCi/g					
Potassium-40		16.3	+/-1.34	0.295	1.00	pCi/g					
Promethium-144	U	-0.0148	+/-0.0211	0.0362	0.080	pCi/g					
Promethium-146	U	0.00447	+/-0.0265	0.0419	1.00	pCi/g					
Radium-228		1.01	+/-0.200	0.117	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-176
Sample ID: 137898070

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0304	+/-0.194	0.351	0.800	pCi/g					
Silver-110m	U	0.0319	+/-0.0175	0.0385	0.080	pCi/g					
Sodium-22	U	-0.02	+/-0.0243	0.040	0.080	pCi/g					
Thallium-208		0.312	+/-0.0576	0.0353	0.080	pCi/g					
Thorium-230		0.622	+/-0.102	0.0608	1.00	pCi/g					
Thorium-234	U	0.494	+/-0.912	1.06	2.00	pCi/g					
Tin-113	U	-0.0311	+/-0.0349	0.0596	0.100	pCi/g					
Uranium-235	U	0.0208	+/-0.160	0.205	0.500	pCi/g					
Uranium-238	U	0.494	+/-0.912	1.06	1.00	pCi/g					
Yttrium-88	U	0.00654	+/-0.0255	0.0497	0.100	pCi/g					
Zinc-65	U	-0.0251	+/-0.071	0.105	0.300	pCi/g					
Zirconium-95	U	0.0407	+/-0.0829	0.154	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1213	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-176
Sample ID: 137898070

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-069
Sample ID: 137898071
Matrix: Soil
Collect Date: 17-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid (Standard List)												
Actinium-228		0.911	+/-0.275	0.226	0.800	pCi/g		AKB	06/27/05	1237	431531	1
Americium-241	U	0.0559	+/-0.109	0.149	0.200	pCi/g						
Antimony-124	U	-0.105	+/-0.230	0.421	0.100	pCi/g						
Antimony-125	U	-0.0389	+/-0.0976	0.173	0.200	pCi/g						
Barium-133	U	-0.00151	+/-0.0466	0.0755	0.100	pCi/g						
Barium-140	U	2.31	+/-31.1	56.7	0.500	pCi/g						
Beryllium-7	U	-0.432	+/-0.984	1.73	0.700	pCi/g						
Bismuth-212		0.681	+/-0.534	0.564	0.500	pCi/g						
Bismuth-214		0.625	+/-0.147	0.141	0.200	pCi/g						
Cerium-139	U	-0.0334	+/-0.049	0.0731	0.050	pCi/g						
Cerium-141	U	-0.000605	+/-0.386	0.686	0.100	pCi/g						
Cerium-144	U	0.114	+/-0.237	0.434	0.500	pCi/g						
Cesium-134	U	0.0956	+/-0.0612	0.0998	0.100	pCi/g						
Cesium-136	U	2.08	+/-11.4	21.7	0.300	pCi/g						
Cesium-137	U	0.108	+/-0.0545	0.109	0.100	pCi/g						
Chromium-51	U	-0.179	+/-2.96	5.49	0.600	pCi/g						
Cobalt-56	U	0.00214	+/-0.0908	0.171	0.100	pCi/g						
Cobalt-57	U	0.0209	+/-0.0357	0.0544	0.050	pCi/g						
Cobalt-58	U	0.0531	+/-0.0927	0.186	0.100	pCi/g						
Cobalt-60	U	0.0298	+/-0.0444	0.0899	0.100	pCi/g						
Europium-152	U	0.00235	+/-0.0876	0.163	0.200	pCi/g						
Europium-154	U	-0.0374	+/-0.134	0.237	0.500	pCi/g						
Europium-155	U	0.0962	+/-0.100	0.189	0.500	pCi/g						
Iridium-192	U	-0.0237	+/-0.0732	0.133	0.100	pCi/g						
Iron-59	U	-0.117	+/-0.364	0.652	0.300	pCi/g						
Lead-210	U	0.715	+/-1.09	1.89	4.00	pCi/g						
Lead-212		0.801	+/-0.123	0.101	0.100	pCi/g						
Lead-214		0.729	+/-0.160	0.116	0.100	pCi/g						
Manganese-54	U	0.00904	+/-0.0444	0.0855	0.100	pCi/g						
Mercury-203	U	0.173	+/-0.233	0.238	0.100	pCi/g						
Neodymium-147	UI	0.00	+/-138	0.00	1000	pCi/g						
Neptunium-239	U	-0.074	+/-0.168	0.297	2.00	pCi/g						
Niobium-94	U	-0.0188	+/-0.0378	0.0639	1.00	pCi/g						
Niobium-95	U	0.117	+/-0.471	0.453	0.050	pCi/g						
Potassium-40		13.6	+/-1.69	0.713	1.00	pCi/g						
Promethium-144	U	0.00607	+/-0.0434	0.0789	0.080	pCi/g						
Promethium-146	U	0.0405	+/-0.0465	0.0904	1.00	pCi/g						
Radium-228		0.911	+/-0.275	0.226	0.500	pCi/g						

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-069
Sample ID: 137898071

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0809	+/-0.380	0.704	0.800	pCi/g					
Silver-110m	U	-0.128	+/-0.064	0.0917	0.080	pCi/g					
Sodium-22	U	-0.015	+/-0.0498	0.0883	0.080	pCi/g					
Thallium-208		0.322	+/-0.0876	0.078	0.080	pCi/g					
Thorium-230		0.625	+/-0.147	0.141	1.00	pCi/g					
Thorium-234		1.30	+/-1.14	1.28	2.00	pCi/g					
Tin-113	U	0.0195	+/-0.0732	0.137	0.100	pCi/g					
Uranium-235	U	-0.00345	+/-0.198	0.353	0.500	pCi/g					
Uranium-238		1.30	+/-1.14	1.28	1.00	pCi/g					
Yttrium-88	U	-0.00297	+/-0.0588	0.120	0.100	pCi/g					
Zinc-65	U	-0.095	+/-0.145	0.207	0.300	pCi/g					
Zirconium-95	U	0.0107	+/-0.179	0.342	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1213	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
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BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Report Date: June 30, 2005

Client Sample ID: MAC-0503-069
Sample ID: 137898071

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-062
Sample ID: 137898072
Matrix: Soil
Collect Date: 17-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.738	+/-0.237	0.223	0.800	pCi/g		AKB 06/27/05	1239	431531	1
Americium-241	U	0.0125	+/-0.187	0.234	0.200	pCi/g					
Antimony-124	U	-0.125	+/-0.147	0.243	0.100	pCi/g					
Antimony-125	U	0.00743	+/-0.0684	0.129	0.200	pCi/g					
Barium-133	U	0.0181	+/-0.0373	0.0633	0.100	pCi/g					
Barium-140	U	13.4	+/-21.8	41.2	0.500	pCi/g					
Beryllium-7	U	0.512	+/-0.805	1.47	0.700	pCi/g					
Bismuth-212		0.857	+/-0.419	0.418	0.500	pCi/g					
Bismuth-214		0.680	+/-0.127	0.0936	0.200	pCi/g					
Cerium-139	U	-0.0125	+/-0.0364	0.0661	0.050	pCi/g					
Cerium-141	U	0.174	+/-0.294	0.560	0.100	pCi/g					
Cerium-144	U	-0.169	+/-0.194	0.346	0.500	pCi/g					
Cesium-134	U	0.0504	+/-0.0363	0.0741	0.100	pCi/g					
Cesium-136	U	-0.763	+/-7.54	13.9	0.300	pCi/g					
Cesium-137	U	0.00835	+/-0.0291	0.0541	0.100	pCi/g					
Chromium-51	U	0.324	+/-2.30	4.39	0.600	pCi/g					
Cobalt-56	U	0.0179	+/-0.0614	0.118	0.100	pCi/g					
Cobalt-57	U	0.0017	+/-0.0221	0.0418	0.050	pCi/g					
Cobalt-58	U	-0.0257	+/-0.0644	0.117	0.100	pCi/g					
Cobalt-60	U	0.0298	+/-0.0302	0.0621	0.100	pCi/g					
Europium-152	U	-0.00874	+/-0.0803	0.130	0.200	pCi/g					
Europium-154	U	0.155	+/-0.250	0.188	0.500	pCi/g					
Europium-155	U	0.0362	+/-0.0792	0.153	0.500	pCi/g					
Iridium-192	U	0.0186	+/-0.0551	0.106	0.100	pCi/g					
Iron-59	U	-0.112	+/-0.271	0.478	0.300	pCi/g					
Lead-210	U	2.91	+/-3.89	7.03	4.00	pCi/g					
Lead-212		0.888	+/-0.128	0.0933	0.100	pCi/g					
Lead-214		0.756	+/-0.148	0.0925	0.100	pCi/g					
Manganese-54	UUI	0.00	+/-0.0853	0.0543	0.100	pCi/g					
Mercury-203	U	0.118	+/-0.113	0.223	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-102	0.00	1000	pCi/g					
Neptunium-239	U	-0.0553	+/-0.136	0.251	2.00	pCi/g					
Niobium-94	U	-0.0121	+/-0.0307	0.0453	1.00	pCi/g					
Niobium-95	U	0.135	+/-0.345	0.354	0.050	pCi/g					
Potassium-40		14.8	+/-1.74	0.504	1.00	pCi/g					
Promethium-144	U	0.0205	+/-0.0567	0.0605	0.080	pCi/g					
Promethium-146	U	0.0162	+/-0.0319	0.0616	1.00	pCi/g					
Radium-228		0.738	+/-0.237	0.223	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-062
Sample ID: 137898072

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.160	+/-0.279	0.534	0.800	pCi/g					
Silver-110m	U	-0.00618	+/-0.035	0.0625	0.080	pCi/g					
Sodium-22	U	0.0582	+/-0.0936	0.0728	0.080	pCi/g					
Thallium-208		0.313	+/-0.0667	0.0527	0.080	pCi/g					
Thorium-230		0.680	+/-0.127	0.0935	1.00	pCi/g					
Thorium-234	U	0.722	+/-1.52	2.03	2.00	pCi/g					
Tin-113	U	0.0312	+/-0.0569	0.110	0.100	pCi/g					
Uranium-235	U	-0.0122	+/-0.156	0.290	0.500	pCi/g					
Uranium-238	U	0.722	+/-1.52	2.03	1.00	pCi/g					
Yttrium-88	U	0.0335	+/-0.0383	0.0888	0.100	pCi/g					
Zinc-65	U	-0.0603	+/-0.111	0.161	0.300	pCi/g					
Zirconium-95	U	0.0553	+/-0.140	0.271	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1213	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0503-062
Sample ID: 137898072

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-430
Sample ID: 137898073
Matrix: Soil
Collect Date: 15-NOV-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.882	+/-0.276	0.169	0.800	pCi/g		AKB 06/27/05	1254	431531	1
Americium-241	U	0.0347	+/-0.164	0.279	0.200	pCi/g					
Antimony-124	U	-0.0781	+/-0.543	1.07	0.100	pCi/g					
Antimony-125	U	0.0159	+/-0.0696	0.134	0.200	pCi/g					
Barium-133	U	-0.0177	+/-0.032	0.0542	0.100	pCi/g					
Barium-140	UI	0.00	+/-12700	0.00	0.500	pCi/g					
Beryllium-7	U	-2.62	+/-3.62	5.48	0.700	pCi/g					
Bismuth-212	U	0.413	+/-0.548	0.461	0.500	pCi/g					
Bismuth-214		0.728	+/-0.119	0.0833	0.200	pCi/g					
Cerium-139	U	0.0216	+/-0.0547	0.104	0.050	pCi/g					
Cerium-141	U	0.378	+/-3.65	6.89	0.100	pCi/g					
Cerium-144	U	-0.11	+/-0.249	0.412	0.500	pCi/g					
Cesium-134		0.0583	+/-0.0476	0.0576	0.100	pCi/g					
Cesium-136	U	-983	+/-4260	0.00	0.300	pCi/g					
Cesium-137	U	0.0162	+/-0.0134	0.0454	0.100	pCi/g					
Chromium-51	U	-24	+/-48.0	0.00	0.600	pCi/g					
Cobalt-56	U	0.0666	+/-0.171	0.292	0.100	pCi/g					
Cobalt-57	U	0.00666	+/-0.0292	0.0563	0.050	pCi/g					
Cobalt-58	U	-0.0803	+/-0.193	0.334	0.100	pCi/g					
Cobalt-60	U	0.022	+/-0.0352	0.0632	0.100	pCi/g					
Europium-152	U	0.00642	+/-0.0654	0.118	0.200	pCi/g					
Europium-154	U	0.0289	+/-0.0745	0.148	0.500	pCi/g					
Europium-155	U	-0.0306	+/-0.0782	0.148	0.500	pCi/g					
Iridium-192	U	-0.0451	+/-0.171	0.301	0.100	pCi/g					
Iron-59	U	-0.00427	+/-1.74	2.84	0.300	pCi/g					
Lead-210	U	-2.83	+/-5.98	9.81	4.00	pCi/g					
Lead-212		1.13	+/-0.141	0.084	0.100	pCi/g					
Lead-214		0.769	+/-0.129	0.0817	0.100	pCi/g					
Manganese-54	U	0.0532	+/-0.0584	0.075	0.100	pCi/g					
Mercury-203	U	-0.161	+/-0.599	1.06	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-1.970E+05	0.00	1000	pCi/g					
Neptunium-239	U	0.0642	+/-0.125	0.245	2.00	pCi/g					
Niobium-94	U	0.00723	+/-0.0228	0.0429	1.00	pCi/g					
Niobium-95	U	-0.0487	+/-2.30	3.63	0.050	pCi/g					
Potassium-40		14.5	+/-1.60	0.411	1.00	pCi/g					
Promethium-144	U	0.00909	+/-0.048	0.0674	0.080	pCi/g					
Promethium-146	U	0.0142	+/-0.0293	0.0575	1.00	pCi/g					
Radium-228		0.882	+/-0.276	0.169	0.500	pCi/g					

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-430
Sample ID: 137898073

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.116	+/-0.310	0.593	0.800	pCi/g					
Silver-110m	U	-0.0303	+/-0.0415	0.0706	0.080	pCi/g					
Sodium-22	U	0.0114	+/-0.0297	0.0589	0.080	pCi/g					
Thallium-208		0.313	+/-0.0692	0.0525	0.080	pCi/g					
Thorium-230		0.728	+/-0.119	0.0833	1.00	pCi/g					
Thorium-234	U	1.30	+/-1.29	2.24	2.00	pCi/g					
Tin-113	U	-0.0568	+/-0.110	0.186	0.100	pCi/g					
Uranium-235	U	0.0563	+/-0.141	0.270	0.500	pCi/g					
Uranium-238	U	1.30	+/-1.29	2.24	1.00	pCi/g					
Yttrium-88	U	0.0829	+/-0.100	0.212	0.100	pCi/g					
Zinc-65	U	0.0106	+/-0.113	0.187	0.300	pCi/g					
Zirconium-95	U	0.191	+/-0.422	0.662	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1213	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-430
Sample ID: 137898073

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-573
Sample ID: 137898074
Matrix: Soil
Collect Date: 23-NOV-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.28	+/-0.410	0.335	0.800	pCi/g		AKB	06/27/05 1323	431531	1
Americium-241	U	-0.0195	+/-0.0648	0.115	0.200	pCi/g					
Antimony-124	U	1.10	+/-0.786	1.85	0.100	pCi/g					
Antimony-125	U	-0.0988	+/-0.137	0.226	0.200	pCi/g					
Barium-133	U	-0.0138	+/-0.0604	0.0915	0.100	pCi/g					
Barium-140	U	-2280	+/-16600	0.00	0.500	pCi/g					
Beryllium-7	U	2.83	+/-5.29	9.54	0.700	pCi/g					
Bismuth-212		0.999	+/-0.788	0.829	0.500	pCi/g					
Bismuth-214		1.28	+/-0.237	0.153	0.200	pCi/g					
Cerium-139	U	0.0552	+/-0.0889	0.156	0.050	pCi/g					
Cerium-141	U	1.29	+/-5.93	8.67	0.100	pCi/g					
Cerium-144	U	0.328	+/-0.345	0.616	0.500	pCi/g					
Cesium-134	U	0.0477	+/-0.0785	0.130	0.100	pCi/g					
Cesium-136	U	-3260	+/-6930	0.00	0.300	pCi/g					
Cesium-137	U	-0.00421	+/-0.0486	0.0865	0.100	pCi/g					
Chromium-51	U	12.4	+/-64.4	116	0.600	pCi/g					
Cobalt-56	U	-0.158	+/-0.305	0.516	0.100	pCi/g					
Cobalt-57	U	0.0561	+/-0.0448	0.0813	0.050	pCi/g					
Cobalt-58	U	-0.153	+/-0.420	0.616	0.100	pCi/g					
Cobalt-60	U	0.0162	+/-0.0525	0.0982	0.100	pCi/g					
Europium-152	U	-0.0937	+/-0.140	0.204	0.200	pCi/g					
Europium-154	U	0.162	+/-0.185	0.279	0.500	pCi/g					
Europium-155	U	0.100	+/-0.182	0.192	0.500	pCi/g					
Iridium-192	U	-0.065	+/-0.264	0.462	0.100	pCi/g					
Iron-59	U	0.847	+/-4.95	5.07	0.300	pCi/g					
Lead-210		2.41	+/-0.863	1.07	4.00	pCi/g					
Lead-212		1.60	+/-0.202	0.133	0.100	pCi/g					
Lead-214		1.11	+/-0.204	0.146	0.100	pCi/g					
Manganese-54	U	0.0201	+/-0.0715	0.130	0.100	pCi/g					
Mercury-203	U	0.550	+/-1.65	1.51	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-2.440E+05	0.00	1000	pCi/g					
Neptunium-239	U	-0.0393	+/-0.189	0.327	2.00	pCi/g					
Niobium-94	U	0.0258	+/-0.0427	0.0792	1.00	pCi/g					
Niobium-95	U	0.291	+/-3.94	6.08	0.050	pCi/g					
Potassium-40		19.3	+/-2.04	0.630	1.00	pCi/g					
Promethium-144	U	0.031	+/-0.0605	0.112	0.080	pCi/g					
Promethium-146	U	0.0827	+/-0.0786	0.0909	1.00	pCi/g					
Radium-228		1.28	+/-0.410	0.335	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-573
Sample ID: 137898074

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0905	+/-0.589	1.05	0.800	pCi/g					
Silver-110m	U	0.0186	+/-0.0758	0.138	0.080	pCi/g					
Sodium-22	U	0.0644	+/-0.0731	0.109	0.080	pCi/g					
Thallium-208		0.454	+/-0.120	0.0972	0.080	pCi/g					
Thorium-230		1.28	+/-0.237	0.153	1.00	pCi/g					
Thorium-234		1.38	+/-1.10	1.15	2.00	pCi/g					
Tin-113	U	0.201	+/-0.172	0.302	0.100	pCi/g					
Uranium-235	U	0.0694	+/-0.319	0.434	0.500	pCi/g					
Uranium-238		1.38	+/-1.10	1.15	1.00	pCi/g					
Yttrium-88	U	0.0829	+/-0.122	0.268	0.100	pCi/g					
Zinc-65	U	0.0845	+/-0.224	0.351	0.300	pCi/g					
Zirconium-95	U	0.667	+/-0.827	1.55	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1213	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Report Date: June 30, 2005

Client Sample ID: MAC-0411-573
Sample ID: 137898074

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-293
Sample ID: 137898075
Matrix: Soil
Collect Date: 22-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.03	+/-0.235	0.169	0.800	pCi/g		AKB 06/27/05	1444	431531	1
Americium-241	U	-0.0799	+/-0.140	0.181	0.200	pCi/g					
Antimony-124	U	0.0926	+/-0.292	0.636	0.100	pCi/g					
Antimony-125	U	0.0147	+/-0.0631	0.117	0.200	pCi/g					
Barium-133	U	-0.00712	+/-0.0351	0.055	0.100	pCi/g					
Barium-140	UI	0.00	+/-2020	0.00	0.500	pCi/g					
Beryllium-7	U	0.181	+/-2.00	3.62	0.700	pCi/g					
Bismuth-212		0.612	+/-0.301	0.415	0.500	pCi/g					
Bismuth-214		0.702	+/-0.150	0.0831	0.200	pCi/g					
Cerium-139	U	0.031	+/-0.0466	0.0861	0.050	pCi/g					
Cerium-141	U	-0.541	+/-1.67	2.96	0.100	pCi/g					
Cerium-144	U	-0.0508	+/-0.212	0.380	0.500	pCi/g					
Cesium-134	U	0.0567	+/-0.0455	0.0674	0.100	pCi/g					
Cesium-136	U	-128	+/-639	0.00	0.300	pCi/g					
Cesium-137	U	-0.00287	+/-0.0271	0.0494	0.100	pCi/g					
Chromium-51	U	-11.7	+/-17.2	30.1	0.600	pCi/g					
Cobalt-56	U	0.0759	+/-0.123	0.236	0.100	pCi/g					
Cobalt-57	U	0.00382	+/-0.0267	0.0491	0.050	pCi/g					
Cobalt-58	U	0.101	+/-0.159	0.303	0.100	pCi/g					
Cobalt-60	U	0.00579	+/-0.0261	0.0504	0.100	pCi/g					
Europium-152	U	0.0233	+/-0.0656	0.123	0.200	pCi/g					
Europium-154	U	0.0686	+/-0.0654	0.169	0.500	pCi/g					
Europium-155	U	0.0133	+/-0.0785	0.146	0.500	pCi/g					
Iridium-192	U	0.0374	+/-0.111	0.209	0.100	pCi/g					
Iron-59	U	-0.734	+/-1.18	1.71	0.300	pCi/g					
Lead-210	U	0.393	+/-2.74	4.85	4.00	pCi/g					
Lead-212		0.931	+/-0.120	0.0859	0.100	pCi/g					
Lead-214		0.727	+/-0.141	0.0817	0.100	pCi/g					
Manganese-54	U	-0.0129	+/-0.0405	0.0707	0.100	pCi/g					
Mercury-203	U	0.133	+/-0.339	0.642	0.100	pCi/g					
Neodymium-147	U	-12100	+/-19400	0.00	1000	pCi/g					
Neptunium-239	U	-0.00817	+/-0.127	0.232	2.00	pCi/g					
Niobium-94	U	0.00114	+/-0.0249	0.0455	1.00	pCi/g					
Niobium-95	U	-0.106	+/-1.07	1.93	0.050	pCi/g					
Potassium-40		15.6	+/-1.50	0.396	1.00	pCi/g					
Promethium-144	U	-0.00178	+/-0.0344	0.0625	0.080	pCi/g					
Promethium-146	U	0.00614	+/-0.0327	0.0594	1.00	pCi/g					
Radium-228		1.03	+/-0.235	0.169	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-293
Sample ID: 137898075

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.277	+/-0.277	0.464	0.800	pCi/g					
Silver-110m	U	0.00873	+/-0.0382	0.0718	0.080	pCi/g					
Sodium-22	U	0.0268	+/-0.0255	0.0739	0.080	pCi/g					
Thallium-208		0.339	+/-0.0722	0.0568	0.080	pCi/g					
Thorium-230		0.702	+/-0.150	0.0831	1.00	pCi/g					
Thorium-234	U	0.862	+/-1.61	1.67	2.00	pCi/g					
Tin-113	U	-0.00827	+/-0.0828	0.149	0.100	pCi/g					
Uranium-235	U	0.135	+/-0.144	0.267	0.500	pCi/g					
Uranium-238	U	0.862	+/-1.61	1.67	1.00	pCi/g					
Yttrium-88	U	-0.0273	+/-0.0844	0.153	0.100	pCi/g					
Zinc-65	U	0.0171	+/-0.125	0.200	0.300	pCi/g					
Zirconium-95	U	-0.121	+/-0.326	0.573	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1213	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-293
Sample ID: 137898075

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-408
Sample ID: 137898076
Matrix: Soil
Collect Date: 15-NOV-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid (Standard List)												
Actinium-228		1.11	+/-0.275	0.169	0.800	pCi/g		AKB	06/28/05	1220	431531	1
Americium-241	U	-0.0343	+/-0.121	0.208	0.200	pCi/g						
Antimony-124	U	0.0364	+/-0.620	1.20	0.100	pCi/g						
Antimony-125	U	0.00819	+/-0.0796	0.146	0.200	pCi/g						
Barium-133	U	0.0186	+/-0.0373	0.0628	0.100	pCi/g						
Barium-140	UI	0.00	+/-16900	0.00	0.500	pCi/g						
Beryllium-7	U	2.47	+/-3.75	7.08	0.700	pCi/g						
Bismuth-212		0.675	+/-0.545	0.460	0.500	pCi/g						
Bismuth-214		0.720	+/-0.124	0.0872	0.200	pCi/g						
Cerium-139	U	-0.0013	+/-0.061	0.110	0.050	pCi/g						
Cerium-141	U	-0.503	+/-3.94	7.14	0.100	pCi/g						
Cerium-144	U	0.0148	+/-0.258	0.426	0.500	pCi/g						
Cesium-134	U	0.0404	+/-0.0415	0.0811	0.100	pCi/g						
Cesium-136	U	-1440	+/-6190	0.00	0.300	pCi/g						
Cesium-137	U	-0.00452	+/-0.028	0.0446	0.100	pCi/g						
Chromium-51	UI	0.00	+/-50.4	0.00	0.600	pCi/g						
Cobalt-56	U	-0.141	+/-0.193	0.326	0.100	pCi/g						
Cobalt-57	U	-0.014	+/-0.0296	0.0535	0.050	pCi/g						
Cobalt-58	U	-0.134	+/-0.283	0.417	0.100	pCi/g						
Cobalt-60	U	0.0226	+/-0.0357	0.0703	0.100	pCi/g						
Europium-152	U	0.0191	+/-0.0849	0.140	0.200	pCi/g						
Europium-154	U	0.0194	+/-0.108	0.202	0.500	pCi/g						
Europium-155	U	0.00177	+/-0.0796	0.149	0.500	pCi/g						
Iridium-192	U	-0.0322	+/-0.169	0.310	0.100	pCi/g						
Iron-59	U	-2.55	+/-1.96	3.15	0.300	pCi/g						
Lead-210	U	0.507	+/-3.35	5.57	4.00	pCi/g						
Lead-212		1.15	+/-0.146	0.0904	0.100	pCi/g						
Lead-214		0.824	+/-0.152	0.0907	0.100	pCi/g						
Manganese-54	U	0.0116	+/-0.0577	0.0923	0.100	pCi/g						
Mercury-203	U	0.544	+/-1.12	1.20	0.100	pCi/g						
Neodymium-147		17400	+/-2.430E+05	0.00	1000	pCi/g						
Neptunium-239	U	0.0225	+/-0.128	0.239	2.00	pCi/g						
Niobium-94	U	0.0358	+/-0.023	0.0467	1.00	pCi/g						
Niobium-95	U	0.486	+/-2.55	4.14	0.050	pCi/g						
Potassium-40		16.0	+/-1.63	0.435	1.00	pCi/g						
Promethium-144	U	0.0144	+/-0.0379	0.0721	0.080	pCi/g						
Promethium-146	U	-0.00946	+/-0.0335	0.0593	1.00	pCi/g						
Radium-228		1.11	+/-0.275	0.169	0.500	pCi/g						

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Certificate of Analysis

Company : MACTEC Constructors
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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-408
Sample ID: 137898076

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.104	+/-0.359	0.683	0.800	pCi/g					
Silver-110m	U	0.00277	+/-0.0391	0.0741	0.080	pCi/g					
Sodium-22	U	0.00756	+/-0.0432	0.0803	0.080	pCi/g					
Thallium-208		0.437	+/-0.0937	0.0583	0.080	pCi/g					
Thorium-230		0.720	+/-0.124	0.0872	1.00	pCi/g					
Thorium-234	U	1.02	+/-1.00	1.80	2.00	pCi/g					
Tin-113	U	0.0317	+/-0.108	0.203	0.100	pCi/g					
Uranium-235	U	0.0968	+/-0.153	0.286	0.500	pCi/g					
Uranium-238	U	1.02	+/-1.00	1.80	1.00	pCi/g					
Yttrium-88	U	0.0796	+/-0.0805	0.197	0.100	pCi/g					
Zinc-65	U	0.143	+/-0.155	0.230	0.300	pCi/g					
Zirconium-95	U	0.155	+/-0.493	0.936	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1213	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

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Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-408
Sample ID: 137898076

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-284
Sample ID: 137898077
Matrix: Soil
Collect Date: 21-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.778	+/-0.256	0.200	0.800	pCi/g		AKB 06/27/05	1445	431531	1
Americium-241	U	-0.062	+/-0.141	0.237	0.200	pCi/g					
Antimony-124	U	-0.0245	+/-0.349	0.676	0.100	pCi/g					
Antimony-125	U	0.0114	+/-0.0776	0.143	0.200	pCi/g					
Barium-133	U	-0.0286	+/-0.0385	0.0576	0.100	pCi/g					
Barium-140	U	-2050	+/-2420	0.00	0.500	pCi/g					
Beryllium-7	U	0.268	+/-2.38	4.34	0.700	pCi/g					
Bismuth-212	U	0.408	+/-0.397	0.483	0.500	pCi/g					
Bismuth-214		0.828	+/-0.134	0.102	0.200	pCi/g					
Cerium-139	U	-0.0191	+/-0.0608	0.107	0.050	pCi/g					
Cerium-141	U	0.506	+/-1.86	3.72	0.100	pCi/g					
Cerium-144	U	-0.0819	+/-0.256	0.459	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0331	0.0758	0.100	pCi/g					
Cesium-136	UI	0.00	+/-737	0.00	0.300	pCi/g					
Cesium-137	U	-0.0112	+/-0.027	0.0487	0.100	pCi/g					
Chromium-51	U	-4.93	+/-20.8	38.2	0.600	pCi/g					
Cobalt-56	U	0.0345	+/-0.134	0.252	0.100	pCi/g					
Cobalt-57	U	0.0201	+/-0.0319	0.0603	0.050	pCi/g					
Cobalt-58	U	-0.0514	+/-0.143	0.255	0.100	pCi/g					
Cobalt-60	U	0.00216	+/-0.0317	0.0598	0.100	pCi/g					
Europium-152	U	-0.0267	+/-0.0735	0.133	0.200	pCi/g					
Europium-154	U	-0.0587	+/-0.092	0.159	0.500	pCi/g					
Europium-155	U	0.125	+/-0.119	0.166	0.500	pCi/g					
Iridium-192	U	0.108	+/-0.130	0.254	0.100	pCi/g					
Iron-59	U	-0.376	+/-0.990	1.71	0.300	pCi/g					
Lead-210	U	0.528	+/-3.38	5.99	4.00	pCi/g					
Lead-212		1.19	+/-0.143	0.0945	0.100	pCi/g					
Lead-214		0.915	+/-0.129	0.0937	0.100	pCi/g					
Manganese-54	U	-0.000312	+/-0.040	0.0734	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.758	0.763	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-30200	0.00	1000	pCi/g					
Neptunium-239	U	0.0136	+/-0.147	0.272	2.00	pCi/g					
Niobium-94	U	0.00991	+/-0.0236	0.0455	1.00	pCi/g					
Niobium-95	U	1.57	+/-1.23	2.25	0.050	pCi/g					
Potassium-40		17.5	+/-2.05	0.433	1.00	pCi/g					
Promethium-144	U	-0.0099	+/-0.034	0.0617	0.080	pCi/g					
Promethium-146	U	0.00738	+/-0.0347	0.0641	1.00	pCi/g					
Radium-228		0.778	+/-0.256	0.200	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-284
Sample ID: 137898077

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.269	+/-0.347	0.608	0.800	pCi/g					
Silver-110m	U	-0.0207	+/-0.0378	0.0676	0.080	pCi/g					
Sodium-22	U	-0.0234	+/-0.0359	0.0621	0.080	pCi/g					
Thallium-208		0.350	+/-0.0732	0.0583	0.080	pCi/g					
Thorium-230		0.827	+/-0.134	0.102	1.00	pCi/g					
Thorium-234	U	0.0188	+/-1.42	2.05	2.00	pCi/g					
Tin-113	U	-0.0346	+/-0.102	0.182	0.100	pCi/g					
Uranium-235	U	0.0566	+/-0.206	0.318	0.500	pCi/g					
Uranium-238	U	0.0188	+/-1.42	2.05	1.00	pCi/g					
Yttrium-88	U	-0.00699	+/-0.0714	0.130	0.100	pCi/g					
Zinc-65	U	-0.0548	+/-0.136	0.197	0.300	pCi/g					
Zirconium-95	U	0.322	+/-0.323	0.653	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1213	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-284
Sample ID: 137898077

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-404
Sample ID: 137898078
Matrix: Soil
Collect Date: 15-NOV-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.22	+/-0.230	0.153	0.800	pCi/g		AKB 06/27/05	1445	431531	1
Americium-241	U	-0.00225	+/-0.0806	0.150	0.200	pCi/g					
Antimony-124	U	0.217	+/-0.488	0.973	0.100	pCi/g					
Antimony-125	U	0.035	+/-0.0659	0.119	0.200	pCi/g					
Barium-133	U	0.00244	+/-0.0285	0.0448	0.100	pCi/g					
Barium-140	U	-970	+/-12600	0.00	0.500	pCi/g					
Beryllium-7	U	-0.695	+/-3.09	5.26	0.700	pCi/g					
Bismuth-212		1.24	+/-0.482	0.365	0.500	pCi/g					
Bismuth-214		0.672	+/-0.117	0.0762	0.200	pCi/g					
Cerium-139	U	0.0408	+/-0.058	0.104	0.050	pCi/g					
Cerium-141	UUI	0.00	+/-4.94	5.36	0.100	pCi/g					
Cerium-144	U	-0.00208	+/-0.228	0.402	0.500	pCi/g					
Cesium-134	U	0.0288	+/-0.0308	0.0578	0.100	pCi/g					
Cesium-136	UI	0.00	+/-3910	0.00	0.300	pCi/g					
Cesium-137	U	0.0184	+/-0.0223	0.0421	0.100	pCi/g					
Chromium-51	U	-18.1	+/-42.9	0.00	0.600	pCi/g					
Cobalt-56	U	0.0819	+/-0.163	0.295	0.100	pCi/g					
Cobalt-57	U	-0.0244	+/-0.0287	0.0491	0.050	pCi/g					
Cobalt-58	U	-0.125	+/-0.190	0.313	0.100	pCi/g					
Cobalt-60	U	0.00651	+/-0.0273	0.0494	0.100	pCi/g					
Europium-152	U	-0.00315	+/-0.063	0.0982	0.200	pCi/g					
Europium-154	U	-0.0105	+/-0.0936	0.139	0.500	pCi/g					
Europium-155	U	0.0465	+/-0.078	0.143	0.500	pCi/g					
Iridium-192	U	0.0574	+/-0.146	0.267	0.100	pCi/g					
Iron-59	U	-0.346	+/-1.39	2.43	0.300	pCi/g					
Lead-210	U	0.370	+/-1.95	2.77	4.00	pCi/g					
Lead-212		1.25	+/-0.138	0.0738	0.100	pCi/g					
Lead-214		0.956	+/-0.139	0.0654	0.100	pCi/g					
Manganese-54	U	-0.0311	+/-0.0405	0.0659	0.100	pCi/g					
Mercury-203	U	0.660	+/-0.777	1.04	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-1.750E+05	0.00	1000	pCi/g					
Neptunium-239	U	0.0179	+/-0.126	0.227	2.00	pCi/g					
Niobium-94	U	-0.00553	+/-0.0261	0.039	1.00	pCi/g					
Niobium-95	U	1.11	+/-2.31	3.65	0.050	pCi/g					
Potassium-40		16.8	+/-1.46	0.379	1.00	pCi/g					
Promethium-144	U	0.0314	+/-0.0388	0.0637	0.080	pCi/g					
Promethium-146	U	-0.00403	+/-0.0303	0.0521	1.00	pCi/g					
Radium-228		1.22	+/-0.230	0.153	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-404 Proiect: MCTC00402
Sample ID: 137898078 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0569	+/-0.292	0.531	0.800	pCi/g					
Silver-110m	U	0.0299	+/-0.0315	0.0641	0.080	pCi/g					
Sodium-22	U	-0.00438	+/-0.0373	0.0554	0.080	pCi/g					
Thallium-208		0.373	+/-0.0666	0.0497	0.080	pCi/g					
Thorium-230		0.672	+/-0.117	0.0762	1.00	pCi/g					
Thorium-234		1.84	+/-1.13	1.27	2.00	pCi/g					
Tin-113	U	0.0309	+/-0.0981	0.176	0.100	pCi/g					
Uranium-235		0.308	+/-0.241	0.258	0.500	pCi/g					
Uranium-238		1.84	+/-1.13	1.27	1.00	pCi/g					
Yttrium-88	U	0.0661	+/-0.0828	0.170	0.100	pCi/g					
Zinc-65	U	-0.0235	+/-0.118	0.176	0.300	pCi/g					
Zirconium-95	U	0.267	+/-0.426	0.786	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1213	431303

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-404
Sample ID: 137898078

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-294
Sample ID: 137898081
Matrix: Soil
Collect Date: 10-NOV-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.620	+/-0.204	0.146	0.800	pCi/g		AKB 06/26/05	2248	431532	1
Americium-241	U	-0.0368	+/-0.092	0.140	0.200	pCi/g					
Antimony-124	U	-0.0205	+/-0.681	1.09	0.100	pCi/g					
Antimony-125	U	0.0398	+/-0.0672	0.119	0.200	pCi/g					
Barium-133	U	-0.00929	+/-0.0328	0.048	0.100	pCi/g					
Barium-140	U	-1950	+/-15000	0.00	0.500	pCi/g					
Beryllium-7	U	1.16	+/-3.15	5.47	0.700	pCi/g					
Bismuth-212		0.629	+/-0.416	0.406	0.500	pCi/g					
Bismuth-214		0.545	+/-0.106	0.0719	0.200	pCi/g					
Cerium-139	U	0.0185	+/-0.0521	0.0873	0.050	pCi/g					
Cerium-141	U	0.333	+/-3.68	6.12	0.100	pCi/g					
Cerium-144	U	0.0552	+/-0.271	0.324	0.500	pCi/g					
Cesium-134	U	0.0205	+/-0.0297	0.0549	0.100	pCi/g					
Cesium-136	U	-3290	+/-4540	0.00	0.300	pCi/g					
Cesium-137		0.0776	+/-0.0337	0.0429	0.100	pCi/g					
Chromium-51	UI	0.00	+/-46.8	0.00	0.600	pCi/g					
Cobalt-56	U	0.0969	+/-0.162	0.296	0.100	pCi/g					
Cobalt-57	U	0.00459	+/-0.0252	0.0426	0.050	pCi/g					
Cobalt-58	U	0.137	+/-0.231	0.369	0.100	pCi/g					
Cobalt-60	U	-0.00194	+/-0.0247	0.0441	0.100	pCi/g					
Europium-152	U	-0.0253	+/-0.059	0.0986	0.200	pCi/g					
Europium-154	U	0.0217	+/-0.0779	0.142	0.500	pCi/g					
Europium-155	U	-0.00257	+/-0.068	0.114	0.500	pCi/g					
Iridium-192	U	-0.0337	+/-0.152	0.258	0.100	pCi/g					
Iron-59	U	-0.472	+/-1.44	2.50	0.300	pCi/g					
Lead-210	U	-0.494	+/-2.49	3.88	4.00	pCi/g					
Lead-212		0.801	+/-0.106	0.0685	0.100	pCi/g					
Lead-214		0.514	+/-0.0975	0.0743	0.100	pCi/g					
Manganese-54	U	-0.0193	+/-0.0396	0.0656	0.100	pCi/g					
Mercury-203	U	0.175	+/-0.588	1.03	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-2.390E+05	0.00	1000	pCi/g					
Neptunium-239	U	-0.0315	+/-0.113	0.187	2.00	pCi/g					
Niobium-94	U	-0.00474	+/-0.0213	0.0366	1.00	pCi/g					
Niobium-95	U	0.264	+/-2.41	3.65	0.050	pCi/g					
Potassium-40		9.94	+/-1.10	0.396	1.00	pCi/g					
Promethium-144	U	0.00953	+/-0.0319	0.0571	0.080	pCi/g					
Promethium-146	U	0.0193	+/-0.0293	0.0517	1.00	pCi/g					
Radium-228		0.620	+/-0.204	0.146	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-294
Sample ID: 137898081

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0618	+/-0.268	0.467	0.800	pCi/g					
Silver-110m	U	-0.0224	+/-0.0425	0.0609	0.080	pCi/g					
Sodium-22	U	0.00847	+/-0.0311	0.0568	0.080	pCi/g					
Thallium-208		0.239	+/-0.0616	0.0464	0.080	pCi/g					
Thorium-230		0.544	+/-0.106	0.0719	1.00	pCi/g					
Thorium-234	U	0.146	+/-0.827	1.29	2.00	pCi/g					
Tin-113	U	-0.0526	+/-0.100	0.165	0.100	pCi/g					
Uranium-235	U	0.107	+/-0.128	0.217	0.500	pCi/g					
Uranium-238	U	0.146	+/-0.827	1.29	1.00	pCi/g					
Yttrium-88	U	-0.0205	+/-0.0872	0.159	0.100	pCi/g					
Zinc-65	U	-0.317	+/-0.117	0.155	0.300	pCi/g					
Zirconium-95	U	-0.0191	+/-0.433	0.754	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-294
Sample ID: 137898081

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-441
Sample ID: 137898083
Matrix: Soil
Collect Date: 15-NOV-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.13	+/-0.255	0.194	0.800	pCi/g		AKB 06/27/05	0729	431532	1
Americium-241	U	-0.0374	+/-0.129	0.210	0.200	pCi/g					
Antimony-124	U	0.326	+/-0.581	1.26	0.100	pCi/g					
Antimony-125	U	-0.0187	+/-0.0742	0.134	0.200	pCi/g					
Barium-133	U	-0.0172	+/-0.0369	0.0573	0.100	pCi/g					
Barium-140	U	-2200	+/-15000	0.00	0.500	pCi/g					
Beryllium-7	U	-0.12	+/-3.09	5.68	0.700	pCi/g					
Bismuth-212		0.887	+/-0.400	0.536	0.500	pCi/g					
Bismuth-214		0.762	+/-0.140	0.080	0.200	pCi/g					
Cerium-139	U	-0.00486	+/-0.0651	0.115	0.050	pCi/g					
Cerium-141	U	3.40	+/-4.03	7.43	0.100	pCi/g					
Cerium-144	U	0.104	+/-0.263	0.477	0.500	pCi/g					
Cesium-134	U	0.0286	+/-0.0409	0.0772	0.100	pCi/g					
Cesium-136	U	-1550	+/-4430	0.00	0.300	pCi/g					
Cesium-137	U	0.00981	+/-0.025	0.0473	0.100	pCi/g					
Chromium-51	UI	0.00	+/-48.2	0.00	0.600	pCi/g					
Cobalt-56	U	0.193	+/-0.195	0.260	0.100	pCi/g					
Cobalt-57	U	0.0129	+/-0.0313	0.0574	0.050	pCi/g					
Cobalt-58	U	0.128	+/-0.208	0.402	0.100	pCi/g					
Cobalt-60	U	0.0198	+/-0.0302	0.0615	0.100	pCi/g					
Europium-152	U	-0.00543	+/-0.0669	0.123	0.200	pCi/g					
Europium-154	U	-0.0333	+/-0.0888	0.158	0.500	pCi/g					
Europium-155	U	0.0704	+/-0.0864	0.157	0.500	pCi/g					
Iridium-192	U	0.0349	+/-0.171	0.322	0.100	pCi/g					
Iron-59	U	-1.47	+/-1.65	2.75	0.300	pCi/g					
Lead-210	U	0.534	+/-3.18	5.41	4.00	pCi/g					
Lead-212		1.41	+/-0.157	0.0889	0.100	pCi/g					
Lead-214		0.910	+/-0.154	0.0895	0.100	pCi/g					
Manganese-54	U	0.036	+/-0.055	0.0761	0.100	pCi/g					
Mercury-203	U	0.815	+/-0.972	1.01	0.100	pCi/g					
Neodymium-147	U	-73800	+/-2.210E+05	0.00	1000	pCi/g					
Neptunium-239	U	0.134	+/-0.119	0.266	2.00	pCi/g					
Niobium-94	U	0.0191	+/-0.0235	0.0455	1.00	pCi/g					
Niobium-95	U	0.139	+/-2.79	4.34	0.050	pCi/g					
Potassium-40		17.8	+/-1.71	0.289	1.00	pCi/g					
Promethium-144	U	0.0349	+/-0.0365	0.0714	0.080	pCi/g					
Promethium-146	U	0.00929	+/-0.0346	0.0645	1.00	pCi/g					
Radium-228		1.13	+/-0.255	0.194	0.500	pCi/g					

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-441
Sample ID: 137898083

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0634	+/-0.336	0.621	0.800	pCi/g					
Silver-110m	U	-0.0159	+/-0.0408	0.0711	0.080	pCi/g					
Sodium-22	U	-0.0132	+/-0.0354	0.0628	0.080	pCi/g					
Thallium-208		0.419	+/-0.084	0.0543	0.080	pCi/g					
Thorium-230		0.762	+/-0.140	0.080	1.00	pCi/g					
Thorium-234	U	0.729	+/-1.25	1.73	2.00	pCi/g					
Tin-113	U	0.0317	+/-0.106	0.201	0.100	pCi/g					
Uranium-235	U	0.143	+/-0.162	0.296	0.500	pCi/g					
Uranium-238	U	0.729	+/-1.25	1.73	1.00	pCi/g					
Yttrium-88	U	-0.0224	+/-0.0988	0.182	0.100	pCi/g					
Zinc-65	U	0.0835	+/-0.138	0.239	0.300	pCi/g					
Zirconium-95	U	-0.279	+/-0.542	0.917	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-441
Sample ID: 137898083

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-393
Sample ID: 137898084
Matrix: Soil
Collect Date: 15-NOV-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.02	+/-0.253	0.177	0.800	pCi/g		AKB 06/27/05	0729	431532	1
Americium-241	U	-0.0522	+/-0.155	0.203	0.200	pCi/g					
Antimony-124	U	-0.00886	+/-0.625	1.22	0.100	pCi/g					
Antimony-125	U	0.0186	+/-0.0766	0.140	0.200	pCi/g					
Barium-133	U	-0.0155	+/-0.0379	0.0577	0.100	pCi/g					
Barium-140	UI	0.00	+/-14600	0.00	0.500	pCi/g					
Beryllium-7	U	-0.846	+/-3.46	6.02	0.700	pCi/g					
Bismuth-212		1.05	+/-0.427	0.444	0.500	pCi/g					
Bismuth-214		0.761	+/-0.128	0.0936	0.200	pCi/g					
Cerium-139	U	0.0141	+/-0.071	0.113	0.050	pCi/g					
Cerium-141	U	3.79	+/-4.07	7.36	0.100	pCi/g					
Cerium-144	U	0.113	+/-0.254	0.463	0.500	pCi/g					
Cesium-134	U	0.063	+/-0.0367	0.0746	0.100	pCi/g					
Cesium-136	UI	0.00	+/-5190	0.00	0.300	pCi/g					
Cesium-137	U	-0.032	+/-0.0267	0.0436	0.100	pCi/g					
Chromium-51	UI	0.00	+/-50.3	0.00	0.600	pCi/g					
Cobalt-56	U	0.035	+/-0.189	0.347	0.100	pCi/g					
Cobalt-57	U	0.0322	+/-0.0324	0.0572	0.050	pCi/g					
Cobalt-58	U	-0.0429	+/-0.204	0.364	0.100	pCi/g					
Cobalt-60	U	0.0231	+/-0.0361	0.0701	0.100	pCi/g					
Europium-152	U	-0.0145	+/-0.0684	0.123	0.200	pCi/g					
Europium-154	U	-0.00949	+/-0.0989	0.178	0.500	pCi/g					
Europium-155	U	0.109	+/-0.116	0.156	0.500	pCi/g					
Iridium-192	U	0.0283	+/-0.172	0.317	0.100	pCi/g					
Iron-59	U	0.0264	+/-1.74	3.21	0.300	pCi/g					
Lead-210	U	-1.52	+/-2.96	4.96	4.00	pCi/g					
Lead-212		1.17	+/-0.146	0.0903	0.100	pCi/g					
Lead-214		0.850	+/-0.131	0.0919	0.100	pCi/g					
Manganese-54	U	0.016	+/-0.0435	0.081	0.100	pCi/g					
Mercury-203	U	-0.194	+/-0.656	1.18	0.100	pCi/g					
Neodymium-147	U	-564	+/-2.060E+05	0.00	1000	pCi/g					
Neptunium-239	U	0.119	+/-0.139	0.262	2.00	pCi/g					
Niobium-94	U	0.0113	+/-0.026	0.0487	1.00	pCi/g					
Niobium-95	U	-0.595	+/-2.21	3.90	0.050	pCi/g					
Potassium-40		16.0	+/-1.61	0.507	1.00	pCi/g					
Promethium-144	U	0.0162	+/-0.0362	0.0686	0.080	pCi/g					
Promethium-146	U	0.0208	+/-0.0353	0.0655	1.00	pCi/g					
Radium-228		1.02	+/-0.253	0.177	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-393
Sample ID: 137898084

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.00363	+/-0.340	0.627	0.800	pCi/g					
Silver-110m	U	0.0362	+/-0.0385	0.0775	0.080	pCi/g					
Sodium-22	U	-0.00369	+/-0.0394	0.071	0.080	pCi/g					
Thallium-208		0.426	+/-0.0822	0.0577	0.080	pCi/g					
Thorium-230		0.760	+/-0.128	0.0936	1.00	pCi/g					
Thorium-234		3.38	+/-1.81	1.62	2.00	pCi/g					
Tin-113	U	0.0189	+/-0.108	0.198	0.100	pCi/g					
Uranium-235	U	0.286	+/-0.249	0.339	0.500	pCi/g					
Uranium-238		3.38	+/-1.81	1.62	1.00	pCi/g					
Yttrium-88	U	0.0179	+/-0.0985	0.199	0.100	pCi/g					
Zinc-65	U	-0.134	+/-0.139	0.188	0.300	pCi/g					
Zirconium-95	U	0.570	+/-0.608	0.965	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0411-393
Sample ID: 137898084

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-137
Sample ID: 137898085
Matrix: Soil
Collect Date: 19-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.759	+/-0.258	0.180	0.800	pCi/g		AKB 06/27/05	0730	431532	1
Americium-241	U	-0.00157	+/-0.0441	0.0718	0.200	pCi/g					
Antimony-124	U	-0.205	+/-0.300	0.501	0.100	pCi/g					
Antimony-125	U	0.00178	+/-0.0723	0.130	0.200	pCi/g					
Barium-133	U	-0.00911	+/-0.0345	0.0532	0.100	pCi/g					
Barium-140	UI	0.00	+/-490	0.00	0.500	pCi/g					
Beryllium-7	U	0.369	+/-1.55	2.98	0.700	pCi/g					
Bismuth-212		0.798	+/-0.387	0.409	0.500	pCi/g					
Bismuth-214		0.706	+/-0.152	0.105	0.200	pCi/g					
Cerium-139	U	0.0219	+/-0.0401	0.0772	0.050	pCi/g					
Cerium-141	U	-0.0798	+/-0.918	1.72	0.100	pCi/g					
Cerium-144	U	-0.0132	+/-0.195	0.369	0.500	pCi/g					
Cesium-134	U	0.0782	+/-0.0472	0.0831	0.100	pCi/g					
Cesium-136	UI	0.00	+/-157	0.00	0.300	pCi/g					
Cesium-137		0.0696	+/-0.0491	0.0538	0.100	pCi/g					
Chromium-51	U	-0.233	+/-9.18	16.7	0.600	pCi/g					
Cobalt-56	U	0.0919	+/-0.0772	0.182	0.100	pCi/g					
Cobalt-57	U	-0.00651	+/-0.0243	0.0458	0.050	pCi/g					
Cobalt-58	U	-0.0136	+/-0.105	0.193	0.100	pCi/g					
Cobalt-60	U	-0.00528	+/-0.029	0.0539	0.100	pCi/g					
Europium-152	U	0.0282	+/-0.0719	0.134	0.200	pCi/g					
Europium-154	U	0.115	+/-0.0994	0.159	0.500	pCi/g					
Europium-155	U	0.0756	+/-0.0682	0.136	0.500	pCi/g					
Iridium-192	U	0.00299	+/-0.091	0.167	0.100	pCi/g					
Iron-59	U	0.0316	+/-0.717	1.13	0.300	pCi/g					
Lead-210		1.15	+/-0.713	0.588	4.00	pCi/g					
Lead-212		0.938	+/-0.123	0.0807	0.100	pCi/g					
Lead-214		0.737	+/-0.121	0.0813	0.100	pCi/g					
Manganese-54	U	0.000829	+/-0.0439	0.0798	0.100	pCi/g					
Mercury-203	U	0.0596	+/-0.234	0.435	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-3720	0.00	1000	pCi/g					
Neptunium-239	U	-0.0235	+/-0.126	0.238	2.00	pCi/g					
Niobium-94	U	0.0205	+/-0.0272	0.0528	1.00	pCi/g					
Niobium-95	U	-0.0582	+/-0.746	1.17	0.050	pCi/g					
Potassium-40		12.7	+/-1.47	0.410	1.00	pCi/g					
Promethium-144	U	-0.0145	+/-0.0348	0.0617	0.080	pCi/g					
Promethium-146	U	0.00152	+/-0.0305	0.0582	1.00	pCi/g					
Radium-228		0.759	+/-0.258	0.180	0.500	pCi/g					

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-137
Sample ID: 137898085

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0101	+/-0.300	0.560	0.800	pCi/g					
Silver-110m	U	0.0226	+/-0.0409	0.0712	0.080	pCi/g					
Sodium-22	U	0.0443	+/-0.0382	0.0588	0.080	pCi/g					
Thallium-208		0.257	+/-0.0833	0.0571	0.080	pCi/g					
Thorium-230		0.706	+/-0.152	0.105	1.00	pCi/g					
Thorium-234	U	0.295	+/-0.661	0.745	2.00	pCi/g					
Tin-113	U	0.018	+/-0.080	0.146	0.100	pCi/g					
Uranium-235	U	0.0215	+/-0.143	0.272	0.500	pCi/g					
Uranium-238	U	0.295	+/-0.661	0.745	1.00	pCi/g					
Yttrium-88	U	0.0297	+/-0.0595	0.131	0.100	pCi/g					
Zinc-65	U	0.00572	+/-0.106	0.174	0.300	pCi/g					
Zirconium-95	U	-0.0215	+/-0.230	0.424	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-137
Sample ID: 137898085

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-020
Sample ID: 137898086
Matrix: Soil
Collect Date: 08-FEB-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.27	+/-0.250	0.154	0.800	pCi/g		AKB 06/27/05	0730	431532	1
Americium-241	U	0.101	+/-0.135	0.243	0.200	pCi/g					
Antimony-124	U	0.191	+/-0.227	0.494	0.100	pCi/g					
Antimony-125	U	0.0107	+/-0.074	0.137	0.200	pCi/g					
Barium-133	U	0.019	+/-0.0371	0.0629	0.100	pCi/g					
Barium-140	UI	0.00	+/-157	0.00	0.500	pCi/g					
Beryllium-7	U	-0.369	+/-1.31	2.31	0.700	pCi/g					
Bismuth-212		0.526	+/-0.442	0.459	0.500	pCi/g					
Bismuth-214		0.710	+/-0.151	0.0887	0.200	pCi/g					
Cerium-139	U	-0.0105	+/-0.0514	0.0812	0.050	pCi/g					
Cerium-141	U	0.702	+/-0.867	1.32	0.100	pCi/g					
Cerium-144	U	-0.0746	+/-0.237	0.427	0.500	pCi/g					
Cesium-134	U	0.0598	+/-0.0593	0.0737	0.100	pCi/g					
Cesium-136	U	-15.3	+/-53.6	0.00	0.300	pCi/g					
Cesium-137	U	0.0393	+/-0.0618	0.0541	0.100	pCi/g					
Chromium-51	U	-5.07	+/-6.60	11.7	0.600	pCi/g					
Cobalt-56	U	-0.0043	+/-0.0804	0.148	0.100	pCi/g					
Cobalt-57	U	-0.0109	+/-0.0281	0.0508	0.050	pCi/g					
Cobalt-58	U	-0.0296	+/-0.099	0.178	0.100	pCi/g					
Cobalt-60	UUI	0.00	+/-0.0444	0.0471	0.100	pCi/g					
Europium-152	U	-0.0581	+/-0.0716	0.125	0.200	pCi/g					
Europium-154	U	0.0398	+/-0.0895	0.174	0.500	pCi/g					
Europium-155	U	0.101	+/-0.114	0.163	0.500	pCi/g					
Iridium-192	U	0.0495	+/-0.0829	0.160	0.100	pCi/g					
Iron-59	U	-0.28	+/-0.485	0.816	0.300	pCi/g					
Lead-210	U	2.84	+/-3.52	6.48	4.00	pCi/g					
Lead-212		1.31	+/-0.150	0.0868	0.100	pCi/g					
Lead-214		0.946	+/-0.150	0.0929	0.100	pCi/g					
Manganese-54	U	0.00727	+/-0.0383	0.0711	0.100	pCi/g					
Mercury-203	U	0.115	+/-0.202	0.389	0.100	pCi/g					
Neodymium-147	U	-67.1	+/-1020	0.00	1000	pCi/g					
Neptunium-239	U	0.110	+/-0.155	0.296	2.00	pCi/g					
Niobium-94	U	0.0041	+/-0.0236	0.0447	1.00	pCi/g					
Niobium-95	U	0.388	+/-0.491	0.852	0.050	pCi/g					
Potassium-40		15.8	+/-1.92	0.433	1.00	pCi/g					
Promethium-144	U	-0.00619	+/-0.0321	0.0587	0.080	pCi/g					
Promethium-146	U	0.0224	+/-0.0353	0.0671	1.00	pCi/g					
Radium-228		1.27	+/-0.250	0.154	0.500	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-020
Sample ID: 137898086

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.042	+/-0.301	0.560	0.800	pCi/g					
Silver-110m	U	0.0167	+/-0.039	0.067	0.080	pCi/g					
Sodium-22	U	0.0151	+/-0.0341	0.0664	0.080	pCi/g					
Thallium-208		0.381	+/-0.0676	0.0573	0.080	pCi/g					
Thorium-230		0.710	+/-0.151	0.0887	1.00	pCi/g					
Thorium-234	U	0.968	+/-1.72	1.95	2.00	pCi/g					
Tin-113	U	-0.0506	+/-0.0695	0.121	0.100	pCi/g					
Uranium-235	U	0.280	+/-0.266	0.326	0.500	pCi/g					
Uranium-238	U	0.968	+/-1.72	1.95	1.00	pCi/g					
Yttrium-88	U	-0.0381	+/-0.0507	0.0818	0.100	pCi/g					
Zinc-65	U	0.0657	+/-0.144	0.169	0.300	pCi/g					
Zirconium-95	U	-0.00907	+/-0.200	0.369	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-020
Sample ID: 137898086

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-029
Sample ID: 137898087
Matrix: Soil
Collect Date: 10-FEB-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.517	+/-0.201	0.166	0.800	pCi/g		AKB 06/27/05	0731	431532	1
Americium-241	U	-0.0231	+/-0.153	0.256	0.200	pCi/g					
Antimony-124	U	0.0894	+/-0.202	0.435	0.100	pCi/g					
Antimony-125	U	0.0211	+/-0.0605	0.116	0.200	pCi/g					
Barium-133	U	0.00791	+/-0.0297	0.0503	0.100	pCi/g					
Barium-140	UI	0.00	+/-117	0.00	0.500	pCi/g					
Beryllium-7	U	-0.446	+/-0.906	1.60	0.700	pCi/g					
Bismuth-212	UUI	0.00	+/-0.350	0.313	0.500	pCi/g					
Bismuth-214		0.327	+/-0.113	0.0879	0.200	pCi/g					
Cerium-139	U	0.00186	+/-0.0382	0.0613	0.050	pCi/g					
Cerium-141	U	0.705	+/-1.18	1.04	0.100	pCi/g					
Cerium-144	U	-0.0087	+/-0.182	0.327	0.500	pCi/g					
Cesium-134	U	0.018	+/-0.0334	0.0628	0.100	pCi/g					
Cesium-136	UI	0.00	+/-45.8	0.00	0.300	pCi/g					
Cesium-137		0.118	+/-0.047	0.0462	0.100	pCi/g					
Chromium-51	U	-0.233	+/-5.36	9.26	0.600	pCi/g					
Cobalt-56	U	0.0211	+/-0.072	0.135	0.100	pCi/g					
Cobalt-57	U	-0.00338	+/-0.0232	0.0417	0.050	pCi/g					
Cobalt-58	U	0.0485	+/-0.0703	0.142	0.100	pCi/g					
Cobalt-60		0.124	+/-0.0822	0.0571	0.100	pCi/g					
Europium-152	U	0.0682	+/-0.103	0.107	0.200	pCi/g					
Europium-154	U	-0.014	+/-0.0841	0.153	0.500	pCi/g					
Europium-155	U	0.0686	+/-0.0783	0.149	0.500	pCi/g					
Iridium-192	U	0.0483	+/-0.072	0.132	0.100	pCi/g					
Iron-59	U	-0.0434	+/-0.401	0.740	0.300	pCi/g					
Lead-210	U	-2.09	+/-5.81	9.71	4.00	pCi/g					
Lead-212		0.485	+/-0.109	0.155	0.100	pCi/g					
Lead-214		0.503	+/-0.122	0.081	0.100	pCi/g					
Manganese-54	U	0.0332	+/-0.0318	0.0448	0.100	pCi/g					
Mercury-203	U	-0.038	+/-0.158	0.271	0.100	pCi/g					
Neodymium-147	U	-42.7	+/-688	0.00	1000	pCi/g					
Neptunium-239	U	0.0567	+/-0.128	0.238	2.00	pCi/g					
Niobium-94	U	0.013	+/-0.0208	0.0401	1.00	pCi/g					
Niobium-95	U	-0.226	+/-0.353	0.585	0.050	pCi/g					
Potassium-40		11.3	+/-1.36	0.419	1.00	pCi/g					
Promethium-144	U	0.0262	+/-0.0289	0.0499	0.080	pCi/g					
Promethium-146	U	0.00385	+/-0.0274	0.0514	1.00	pCi/g					
Radium-228		0.517	+/-0.201	0.166	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-029
Sample ID: 137898087

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.126	+/-0.252	0.482	0.800	pCi/g					
Silver-110m	U	-0.021	+/-0.0401	0.0584	0.080	pCi/g					
Sodium-22	U	-0.00523	+/-0.0321	0.0583	0.080	pCi/g					
Thallium-208		0.154	+/-0.052	0.0458	0.080	pCi/g					
Thorium-230		0.327	+/-0.113	0.0879	1.00	pCi/g					
Thorium-234	U	0.849	+/-1.77	2.01	2.00	pCi/g					
Tin-113	U	0.0227	+/-0.0584	0.111	0.100	pCi/g					
Uranium-235		0.620	+/-0.258	0.328	0.500	pCi/g					
Uranium-238	U	0.849	+/-1.77	2.01	1.00	pCi/g					
Yttrium-88	U	0.0293	+/-0.0459	0.107	0.100	pCi/g					
Zinc-65	U	0.055	+/-0.0791	0.147	0.300	pCi/g					
Zirconium-95	U	0.010	+/-0.173	0.314	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-029
Sample ID: 137898087

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-036
Sample ID: 137898088
Matrix: Soil
Collect Date: 31-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.228	+/-0.133	0.110	0.800	pCi/g		AKB 06/27/05	0731	431532	1
Americium-241	U	0.0411	+/-0.0532	0.113	0.200	pCi/g					
Antimony-124	U	0.0346	+/-0.136	0.297	0.100	pCi/g					
Antimony-125	U	0.00876	+/-0.0416	0.0823	0.200	pCi/g					
Barium-133	U	0.00264	+/-0.020	0.035	0.100	pCi/g					
Barium-140	UI	0.00	+/-142	0.00	0.500	pCi/g					
Beryllium-7	U	-0.0715	+/-0.714	1.37	0.700	pCi/g					
Bismuth-212		0.260	+/-0.143	0.217	0.500	pCi/g					
Bismuth-214		0.188	+/-0.0732	0.0533	0.200	pCi/g					
Cerium-139	UUI	0.00	+/-0.0449	0.0439	0.050	pCi/g					
Cerium-141	U	0.305	+/-0.430	0.857	0.100	pCi/g					
Cerium-144	U	0.0395	+/-0.111	0.219	0.500	pCi/g					
Cesium-134	U	0.0095	+/-0.0178	0.0361	0.100	pCi/g					
Cesium-136	UI	0.00	+/-41.2	0.00	0.300	pCi/g					
Cesium-137		0.111	+/-0.0374	0.0306	0.100	pCi/g					
Chromium-51	U	-0.578	+/-4.13	8.02	0.600	pCi/g					
Cobalt-56	U	-0.0444	+/-0.0473	0.0814	0.100	pCi/g					
Cobalt-57	U	-0.00657	+/-0.0141	0.0265	0.050	pCi/g					
Cobalt-58	U	0.0152	+/-0.0548	0.108	0.100	pCi/g					
Cobalt-60	U	0.0037	+/-0.0143	0.0301	0.100	pCi/g					
Europium-152	U	0.0145	+/-0.0381	0.0774	0.200	pCi/g					
Europium-154	U	0.00453	+/-0.0508	0.0993	0.500	pCi/g					
Europium-155	U	0.0177	+/-0.0427	0.0859	0.500	pCi/g					
Iridium-192	U	-0.00323	+/-0.0494	0.0965	0.100	pCi/g					
Iron-59	U	0.0175	+/-0.286	0.496	0.300	pCi/g					
Lead-210	U	0.957	+/-1.53	3.13	4.00	pCi/g					
Lead-212		0.196	+/-0.0472	0.0501	0.100	pCi/g					
Lead-214		0.161	+/-0.0644	0.0503	0.100	pCi/g					
Manganese-54	U	-0.00267	+/-0.0194	0.0357	0.100	pCi/g					
Mercury-203	U	0.0201	+/-0.115	0.231	0.100	pCi/g					
Neodymium-147	U	-352	+/-951	0.00	1000	pCi/g					
Neptunium-239	U	0.0234	+/-0.0748	0.148	2.00	pCi/g					
Niobium-94	U	0.00561	+/-0.0138	0.0272	1.00	pCi/g					
Niobium-95	U	0.302	+/-0.270	0.569	0.050	pCi/g					
Potassium-40		2.80	+/-0.574	0.262	1.00	pCi/g					
Promethium-144	U	-0.00167	+/-0.0199	0.0369	0.080	pCi/g					
Promethium-146	U	0.00106	+/-0.0192	0.0373	1.00	pCi/g					
Radium-228		0.228	+/-0.133	0.110	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-036
Sample ID: 137898088

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0899	+/-0.165	0.291	0.800	pCi/g					
Silver-110m	U	-0.00906	+/-0.0259	0.0401	0.080	pCi/g					
Sodium-22	U	0.00174	+/-0.0195	0.038	0.080	pCi/g					
Thallium-208		0.0634	+/-0.0316	0.0404	0.080	pCi/g					
Thorium-230		0.188	+/-0.0732	0.0533	1.00	pCi/g					
Thorium-234	U	0.093	+/-0.544	0.993	2.00	pCi/g					
Tin-113	U	-0.00968	+/-0.0378	0.0722	0.100	pCi/g					
Uranium-235	U	0.0557	+/-0.0899	0.177	0.500	pCi/g					
Uranium-238	U	0.093	+/-0.544	0.993	1.00	pCi/g					
Yttrium-88	U	0.0277	+/-0.0411	0.0935	0.100	pCi/g					
Zinc-65	U	0.0476	+/-0.0492	0.101	0.300	pCi/g					
Zirconium-95	U	0.0481	+/-0.133	0.224	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-036
Sample ID: 137898088

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-046
Sample ID: 137898089
Matrix: Soil
Collect Date: 24-FEB-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.02	+/-0.235	0.193	0.800	pCi/g		AKB 06/27/05	0732	431532	1
Americium-241	U	-0.177	+/-0.223	0.361	0.200	pCi/g					
Antimony-124	U	0.0265	+/-0.191	0.388	0.100	pCi/g					
Antimony-125	U	-0.0383	+/-0.0814	0.145	0.200	pCi/g					
Barium-133	U	-0.00213	+/-0.0396	0.0609	0.100	pCi/g					
Barium-140	U	-5.89	+/-72.0	0.00	0.500	pCi/g					
Beryllium-7	U	0.0136	+/-1.05	1.93	0.700	pCi/g					
Bismuth-212	U	0.403	+/-0.406	0.513	0.500	pCi/g					
Bismuth-214		0.819	+/-0.127	0.110	0.200	pCi/g					
Cerium-139	U	0.00107	+/-0.0428	0.0768	0.050	pCi/g					
Cerium-141	U	0.963	+/-0.738	0.972	0.100	pCi/g					
Cerium-144	U	-0.149	+/-0.233	0.363	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0442	0.0772	0.100	pCi/g					
Cesium-136	UI	0.00	+/-26.4	0.00	0.300	pCi/g					
Cesium-137		0.236	+/-0.0549	0.0549	0.100	pCi/g					
Chromium-51	U	-2.19	+/-4.62	7.77	0.600	pCi/g					
Cobalt-56	U	-0.0564	+/-0.0819	0.136	0.100	pCi/g					
Cobalt-57	U	-0.0014	+/-0.0266	0.0485	0.050	pCi/g					
Cobalt-58	U	0.0544	+/-0.0947	0.164	0.100	pCi/g					
Cobalt-60	U	0.0557	+/-0.0416	0.0558	0.100	pCi/g					
Europium-152	U	-0.0574	+/-0.0878	0.145	0.200	pCi/g					
Europium-154	U	-0.034	+/-0.0953	0.170	0.500	pCi/g					
Europium-155	U	0.156	+/-0.145	0.162	0.500	pCi/g					
Iridium-192	U	-0.0165	+/-0.0804	0.138	0.100	pCi/g					
Iron-59	U	-0.121	+/-0.382	0.689	0.300	pCi/g					
Lead-210	U	4.42	+/-10.1	16.7	4.00	pCi/g					
Lead-212		1.01	+/-0.125	0.143	0.100	pCi/g					
Lead-214		1.08	+/-0.153	0.107	0.100	pCi/g					
Manganese-54	U	-0.0326	+/-0.0434	0.0714	0.100	pCi/g					
Mercury-203	U	0.062	+/-0.182	0.324	0.100	pCi/g					
Neodymium-147	U	-106	+/-417	0.00	1000	pCi/g					
Neptunium-239	U	-0.0357	+/-0.150	0.271	2.00	pCi/g					
Niobium-94	U	0.0297	+/-0.0264	0.0524	1.00	pCi/g					
Niobium-95	U	0.130	+/-0.380	0.622	0.050	pCi/g					
Potassium-40		18.2	+/-1.59	0.532	1.00	pCi/g					
Promethium-144	U	0.0373	+/-0.0325	0.065	0.080	pCi/g					
Promethium-146	U	0.0094	+/-0.0399	0.0742	1.00	pCi/g					
Radium-228		1.02	+/-0.235	0.193	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-046
Sample ID: 137898089

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0716	+/-0.327	0.605	0.800	pCi/g					
Silver-110m	U	0.0372	+/-0.0437	0.0765	0.080	pCi/g					
Sodium-22	U	-0.0126	+/-0.0361	0.0644	0.080	pCi/g					
Thallium-208		0.384	+/-0.0754	0.0538	0.080	pCi/g					
Thorium-230		0.818	+/-0.127	0.110	1.00	pCi/g					
Thorium-234	U	1.34	+/-1.72	3.05	2.00	pCi/g					
Tin-113	U	-0.00929	+/-0.0731	0.125	0.100	pCi/g					
Uranium-235		0.323	+/-0.248	0.310	0.500	pCi/g					
Uranium-238	U	1.34	+/-1.72	3.05	1.00	pCi/g					
Yttrium-88	U	-0.0121	+/-0.0488	0.091	0.100	pCi/g					
Zinc-65	U	-0.0182	+/-0.117	0.184	0.300	pCi/g					
Zirconium-95	U	0.0659	+/-0.225	0.366	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-046
Sample ID: 137898089

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-012
Sample ID: 137898090
Matrix: Soil
Collect Date: 01-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.895	+/-0.237	0.178	0.800	pCi/g		AKB 06/27/05	0732	431532	1
Americium-241	U	0.0124	+/-0.0355	0.0694	0.200	pCi/g					
Antimony-124	U	0.0586	+/-0.120	0.266	0.100	pCi/g					
Antimony-125	U	-0.0141	+/-0.0671	0.122	0.200	pCi/g					
Barium-133	U	-0.00299	+/-0.0321	0.0593	0.100	pCi/g					
Barium-140	U	-2.53	+/-8.43	14.8	0.500	pCi/g					
Beryllium-7	U	0.504	+/-0.587	1.15	0.700	pCi/g					
Bismuth-212		0.529	+/-0.416	0.427	0.500	pCi/g					
Bismuth-214		0.731	+/-0.143	0.0918	0.200	pCi/g					
Cerium-139	U	0.0151	+/-0.0253	0.0511	0.050	pCi/g					
Cerium-141	U	0.174	+/-0.214	0.322	0.100	pCi/g					
Cerium-144	U	-0.0889	+/-0.155	0.271	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0624	0.0769	0.100	pCi/g					
Cesium-136	U	-0.96	+/-3.92	6.10	0.300	pCi/g					
Cesium-137	U	0.00274	+/-0.0279	0.0481	0.100	pCi/g					
Chromium-51	U	0.101	+/-1.40	2.66	0.600	pCi/g					
Cobalt-56	U	0.0407	+/-0.0561	0.113	0.100	pCi/g					
Cobalt-57	U	-0.00669	+/-0.0183	0.0327	0.050	pCi/g					
Cobalt-58	U	-0.0501	+/-0.0667	0.0979	0.100	pCi/g					
Cobalt-60	U	0.0363	+/-0.0318	0.065	0.100	pCi/g					
Europium-152	U	0.00184	+/-0.0634	0.119	0.200	pCi/g					
Europium-154	U	-0.12	+/-0.103	0.155	0.500	pCi/g					
Europium-155	U	0.0657	+/-0.0605	0.118	0.500	pCi/g					
Iridium-192	U	-0.0111	+/-0.0438	0.0812	0.100	pCi/g					
Iron-59	U	-0.0224	+/-0.195	0.356	0.300	pCi/g					
Lead-210	U	0.322	+/-0.627	0.611	4.00	pCi/g					
Lead-212		0.865	+/-0.106	0.071	0.100	pCi/g					
Lead-214		0.627	+/-0.109	0.0854	0.100	pCi/g					
Manganese-54	U	0.0438	+/-0.029	0.0598	0.100	pCi/g					
Mercury-203	U	0.121	+/-0.109	0.123	0.100	pCi/g					
Neodymium-147	U	42.5	+/-37.1	74.1	1000	pCi/g					
Neptunium-239	U	-0.0011	+/-0.114	0.209	2.00	pCi/g					
Niobium-94	U	-0.0169	+/-0.0237	0.0422	1.00	pCi/g					
Niobium-95	U	0.165	+/-0.152	0.289	0.050	pCi/g					
Potassium-40		15.3	+/-1.52	0.457	1.00	pCi/g					
Promethium-144	U	-0.00957	+/-0.0284	0.0524	0.080	pCi/g					
Promethium-146	U	0.00727	+/-0.0322	0.0603	1.00	pCi/g					
Radium-228		0.895	+/-0.237	0.178	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-012
Sample ID: 137898090

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.207	+/-0.264	0.470	0.800	pCi/g					
Silver-110m	U	-0.0131	+/-0.0295	0.0544	0.080	pCi/g					
Sodium-22	U	-0.0442	+/-0.038	0.0576	0.080	pCi/g					
Thallium-208		0.365	+/-0.064	0.053	0.080	pCi/g					
Thorium-230		0.731	+/-0.143	0.0917	1.00	pCi/g					
Thorium-234		0.977	+/-0.663	0.655	2.00	pCi/g					
Tin-113	U	0.0554	+/-0.052	0.0779	0.100	pCi/g					
Uranium-235	U	0.140	+/-0.172	0.251	0.500	pCi/g					
Uranium-238		0.977	+/-0.663	0.655	1.00	pCi/g					
Yttrium-88	U	0.014	+/-0.040	0.0859	0.100	pCi/g					
Zinc-65	U	-0.0233	+/-0.101	0.155	0.300	pCi/g					
Zirconium-95	U	0.049	+/-0.108	0.215	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-012
Sample ID: 137898090

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-141
Sample ID: 137898091
Matrix: Soil
Collect Date: 12-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.10	+/-0.279	0.209	0.800	pCi/g		AKB 06/27/05	0737	431532	1
Americium-241	U	-0.119	+/-0.165	0.264	0.200	pCi/g					
Antimony-124	U	-0.0269	+/-0.115	0.217	0.100	pCi/g					
Antimony-125	U	-0.0197	+/-0.0804	0.145	0.200	pCi/g					
Barium-133	U	0.0474	+/-0.040	0.0702	0.100	pCi/g					
Barium-140	U	0.0857	+/-5.50	10.0	0.500	pCi/g					
Beryllium-7	U	-0.372	+/-0.619	1.08	0.700	pCi/g					
Bismuth-212	U	0.252	+/-0.310	0.522	0.500	pCi/g					
Bismuth-214		0.735	+/-0.151	0.0955	0.200	pCi/g					
Cerium-139	U	-0.0131	+/-0.035	0.0619	0.050	pCi/g					
Cerium-141	U	-0.0441	+/-0.195	0.350	0.100	pCi/g					
Cerium-144	U	-0.13	+/-0.197	0.347	0.500	pCi/g					
Cesium-134	U	0.037	+/-0.0398	0.0783	0.100	pCi/g					
Cesium-136	U	-0.628	+/-2.24	4.00	0.300	pCi/g					
Cesium-137	U	-0.0233	+/-0.0329	0.0552	0.100	pCi/g					
Chromium-51	U	0.282	+/-1.47	2.75	0.600	pCi/g					
Cobalt-56	U	-0.0299	+/-0.0539	0.095	0.100	pCi/g					
Cobalt-57	U	-0.00386	+/-0.0245	0.0445	0.050	pCi/g					
Cobalt-58	U	0.00958	+/-0.0659	0.108	0.100	pCi/g					
Cobalt-60	U	0.0182	+/-0.0357	0.069	0.100	pCi/g					
Europium-152	U	-0.00462	+/-0.0822	0.151	0.200	pCi/g					
Europium-154	U	-0.0133	+/-0.0987	0.177	0.500	pCi/g					
Europium-155	U	0.058	+/-0.0894	0.169	0.500	pCi/g					
Iridium-192	U	-0.00682	+/-0.0533	0.0978	0.100	pCi/g					
Iron-59	U	-0.0752	+/-0.206	0.362	0.300	pCi/g					
Lead-210	U	2.11	+/-3.95	6.89	4.00	pCi/g					
Lead-212		0.912	+/-0.134	0.0885	0.100	pCi/g					
Lead-214		0.839	+/-0.144	0.0962	0.100	pCi/g					
Manganese-54	U	0.00944	+/-0.0344	0.0654	0.100	pCi/g					
Mercury-203	U	0.0872	+/-0.084	0.163	0.100	pCi/g					
Neodymium-147	U	-5.83	+/-19.2	34.2	1000	pCi/g					
Neptunium-239	U	0.0956	+/-0.155	0.292	2.00	pCi/g					
Niobium-94	U	0.0091	+/-0.031	0.0563	1.00	pCi/g					
Niobium-95	U	0.0458	+/-0.134	0.255	0.050	pCi/g					
Potassium-40		15.8	+/-1.78	0.569	1.00	pCi/g					
Promethium-144	U	-0.0345	+/-0.0369	0.0601	0.080	pCi/g					
Promethium-146	U	-0.0229	+/-0.0374	0.0651	1.00	pCi/g					
Radium-228		1.10	+/-0.279	0.209	0.500	pCi/g					

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Certificate of Analysis

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-141
Sample ID: 137898091

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.156	+/-0.271	0.517	0.800	pCi/g					
Silver-110m	U	-0.00373	+/-0.0329	0.0587	0.080	pCi/g					
Sodium-22	U	-0.00536	+/-0.0364	0.0653	0.080	pCi/g					
Thallium-208		0.357	+/-0.0689	0.0603	0.080	pCi/g					
Thorium-230		0.735	+/-0.151	0.0955	1.00	pCi/g					
Thorium-234	U	0.743	+/-1.25	2.18	2.00	pCi/g					
Tin-113	U	-0.00171	+/-0.0532	0.0976	0.100	pCi/g					
Uranium-235	U	0.0651	+/-0.172	0.316	0.500	pCi/g					
Uranium-238	U	0.743	+/-1.25	2.18	1.00	pCi/g					
Yttrium-88	U	-0.0131	+/-0.0401	0.074	0.100	pCi/g					
Zinc-65	U	0.0659	+/-0.0923	0.161	0.300	pCi/g					
Zirconium-95	U	0.0052	+/-0.108	0.203	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-141
Sample ID: 137898091

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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Edith Kent

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-192
Sample ID: 137898092
Matrix: Soil
Collect Date: 12-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.05	+/-0.249	0.186	0.800	pCi/g		AKB 06/27/05	0749	431532	1
Americium-241	U	0.0848	+/-0.138	0.238	0.200	pCi/g					
Antimony-124	U	0.0855	+/-0.121	0.266	0.100	pCi/g					
Antimony-125	U	0.00788	+/-0.0755	0.135	0.200	pCi/g					
Barium-133	U	-0.0661	+/-0.0401	0.0614	0.100	pCi/g					
Barium-140	U	-2.7	+/-5.66	10.0	0.500	pCi/g					
Beryllium-7	U	0.0364	+/-0.560	0.947	0.700	pCi/g					
Bismuth-212		0.556	+/-0.446	0.440	0.500	pCi/g					
Bismuth-214		0.756	+/-0.145	0.0974	0.200	pCi/g					
Cerium-139	U	0.00702	+/-0.0295	0.0557	0.050	pCi/g					
Cerium-141	U	-0.125	+/-0.165	0.298	0.100	pCi/g					
Cerium-144	U	-0.105	+/-0.178	0.326	0.500	pCi/g					
Cesium-134	U	0.0173	+/-0.0362	0.0688	0.100	pCi/g					
Cesium-136	U	0.00603	+/-2.21	3.96	0.300	pCi/g					
Cesium-137	U	-0.0063	+/-0.0287	0.0521	0.100	pCi/g					
Chromium-51	U	-0.18	+/-1.40	2.49	0.600	pCi/g					
Cobalt-56	U	0.00579	+/-0.0485	0.0906	0.100	pCi/g					
Cobalt-57	U	-0.00878	+/-0.021	0.0393	0.050	pCi/g					
Cobalt-58	U	0.0286	+/-0.0521	0.102	0.100	pCi/g					
Cobalt-60	U	0.0205	+/-0.0388	0.0758	0.100	pCi/g					
Europium-152	U	0.103	+/-0.0814	0.157	0.200	pCi/g					
Europium-154	U	0.0779	+/-0.0662	0.145	0.500	pCi/g					
Europium-155	U	0.102	+/-0.121	0.146	0.500	pCi/g					
Iridium-192	U	0.0348	+/-0.0517	0.0965	0.100	pCi/g					
Iron-59	U	0.0484	+/-0.175	0.342	0.300	pCi/g					
Lead-210	U	-0.073	+/-3.87	6.52	4.00	pCi/g					
Lead-212		1.07	+/-0.125	0.0823	0.100	pCi/g					
Lead-214		0.797	+/-0.139	0.099	0.100	pCi/g					
Manganese-54	U	0.0523	+/-0.0686	0.0584	0.100	pCi/g					
Mercury-203	U	-0.0293	+/-0.084	0.148	0.100	pCi/g					
Neodymium-147	U	-2.46	+/-20.2	37.5	1000	pCi/g					
Neptunium-239	U	0.0589	+/-0.133	0.260	2.00	pCi/g					
Niobium-94	U	0.00393	+/-0.0248	0.0465	1.00	pCi/g					
Niobium-95	U	0.0671	+/-0.135	0.232	0.050	pCi/g					
Potassium-40		15.7	+/-1.59	0.484	1.00	pCi/g					
Promethium-144	U	-0.0258	+/-0.0358	0.0521	0.080	pCi/g					
Promethium-146	U	-0.00273	+/-0.0326	0.0614	1.00	pCi/g					
Radium-228		1.05	+/-0.249	0.186	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-192 Project: MCTC00402
Sample ID: 137898092 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0972	+/-0.255	0.459	0.800	pCi/g					
Silver-110m	U	0.0216	+/-0.0307	0.0606	0.080	pCi/g					
Sodium-22	U	0.0288	+/-0.0244	0.0656	0.080	pCi/g					
Thallium-208		0.293	+/-0.0683	0.0495	0.080	pCi/g					
Thorium-230		0.756	+/-0.145	0.0974	1.00	pCi/g					
Thorium-234		1.85	+/-1.60	1.80	2.00	pCi/g					
Tin-113	U	-0.0169	+/-0.0544	0.0938	0.100	pCi/g					
Uranium-235	U	0.0597	+/-0.156	0.298	0.500	pCi/g					
Uranium-238		1.85	+/-1.60	1.80	1.00	pCi/g					
Yttrium-88	U	0.0028	+/-0.0365	0.0737	0.100	pCi/g					
Zinc-65	U	-0.034	+/-0.0935	0.145	0.300	pCi/g					
Zirconium-95	U	-0.0236	+/-0.102	0.184	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-192
Sample ID: 137898092

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-019
Sample ID: 137898093
Matrix: Soil
Collect Date: 01-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.547	+/-0.255	0.192	0.800	pCi/g		AKB 06/27/05	0749	431532	1
Americium-241	U	0.00675	+/-0.0987	0.179	0.200	pCi/g					
Antimony-124	U	-0.0557	+/-0.120	0.207	0.100	pCi/g					
Antimony-125	U	0.0013	+/-0.0649	0.120	0.200	pCi/g					
Barium-133	U	0.0213	+/-0.0302	0.0544	0.100	pCi/g					
Barium-140	U	-2.85	+/-8.38	14.6	0.500	pCi/g					
Beryllium-7	U	-0.0538	+/-0.556	1.01	0.700	pCi/g					
Bismuth-212		0.574	+/-0.358	0.387	0.500	pCi/g					
Bismuth-214		0.603	+/-0.127	0.0954	0.200	pCi/g					
Cerium-139	U	-0.0176	+/-0.0266	0.0472	0.050	pCi/g					
Cerium-141	U	0.000846	+/-0.191	0.355	0.100	pCi/g					
Cerium-144	U	0.0349	+/-0.147	0.279	0.500	pCi/g					
Cesium-134	U	0.0308	+/-0.0302	0.0605	0.100	pCi/g					
Cesium-136	U	-1.68	+/-2.90	4.89	0.300	pCi/g					
Cesium-137	U	-0.00489	+/-0.0228	0.0421	0.100	pCi/g					
Chromium-51	U	0.190	+/-1.37	2.61	0.600	pCi/g					
Cobalt-56	U	0.025	+/-0.051	0.0983	0.100	pCi/g					
Cobalt-57	U	-0.0104	+/-0.0192	0.0352	0.050	pCi/g					
Cobalt-58	U	-0.0199	+/-0.0452	0.0804	0.100	pCi/g					
Cobalt-60	U	0.00533	+/-0.0267	0.0515	0.100	pCi/g					
Europium-152	U	-0.00433	+/-0.066	0.108	0.200	pCi/g					
Europium-154	U	0.0117	+/-0.088	0.165	0.500	pCi/g					
Europium-155	U	0.0419	+/-0.0668	0.131	0.500	pCi/g					
Iridium-192	U	0.0301	+/-0.0411	0.0811	0.100	pCi/g					
Iron-59	U	-0.153	+/-0.184	0.314	0.300	pCi/g					
Lead-210	U	2.09	+/-2.92	5.17	4.00	pCi/g					
Lead-212		0.773	+/-0.107	0.0747	0.100	pCi/g					
Lead-214		0.791	+/-0.128	0.0832	0.100	pCi/g					
Manganese-54	U	-0.00504	+/-0.0289	0.0524	0.100	pCi/g					
Mercury-203	U	0.0665	+/-0.0772	0.153	0.100	pCi/g					
Neodymium-147	U	-6.59	+/-40.8	63.1	1000	pCi/g					
Neptunium-239	U	0.178	+/-0.160	0.227	2.00	pCi/g					
Niobium-94	U	0.0236	+/-0.0236	0.047	1.00	pCi/g					
Niobium-95	U	-0.0511	+/-0.143	0.255	0.050	pCi/g					
Potassium-40		14.2	+/-1.46	0.384	1.00	pCi/g					
Promethium-144	U	-0.0168	+/-0.0254	0.0447	0.080	pCi/g					
Promethium-146	U	0.00809	+/-0.0274	0.0517	1.00	pCi/g					
Radium-228		0.547	+/-0.255	0.192	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-019
Sample ID: 137898093

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0907	+/-0.230	0.450	0.800	pCi/g					
Silver-110m	U	-0.00222	+/-0.0251	0.0472	0.080	pCi/g					
Sodium-22	U	0.00456	+/-0.0327	0.0614	0.080	pCi/g					
Thallium-208		0.271	+/-0.0599	0.048	0.080	pCi/g					
Thorium-230		0.603	+/-0.127	0.0954	1.00	pCi/g					
Thorium-234	U	0.155	+/-1.08	1.54	2.00	pCi/g					
Tin-113	U	-0.00524	+/-0.0422	0.0777	0.100	pCi/g					
Uranium-235	U	0.0903	+/-0.135	0.257	0.500	pCi/g					
Uranium-238	U	0.155	+/-1.08	1.54	1.00	pCi/g					
Yttrium-88	U	0.00309	+/-0.0311	0.0647	0.100	pCi/g					
Zinc-65	U	0.0389	+/-0.0824	0.142	0.300	pCi/g					
Zirconium-95	U	0.0839	+/-0.105	0.208	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-019
Sample ID: 137898093

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-454
Sample ID: 137898094
Matrix: Soil
Collect Date: 22-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.652	+/-0.157	0.121	0.800	pCi/g		AKB	06/27/05 0749	431532	1
Americium-241	U	-0.026	+/-0.059	0.115	0.200	pCi/g					
Antimony-124	U	0.00159	+/-0.0595	0.113	0.100	pCi/g					
Antimony-125	U	-0.00637	+/-0.0459	0.082	0.200	pCi/g					
Barium-133	U	0.000755	+/-0.0223	0.036	0.100	pCi/g					
Barium-140	U	0.631	+/-1.91	3.61	0.500	pCi/g					
Beryllium-7	U	0.283	+/-0.309	0.583	0.700	pCi/g					
Bismuth-212		0.537	+/-0.256	0.256	0.500	pCi/g					
Bismuth-214		0.519	+/-0.0962	0.0605	0.200	pCi/g					
Cerium-139	U	-0.00131	+/-0.0198	0.036	0.050	pCi/g					
Cerium-141	U	0.0721	+/-0.0924	0.176	0.100	pCi/g					
Cerium-144	U	0.0957	+/-0.117	0.224	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0467	0.0449	0.100	pCi/g					
Cesium-136	U	0.244	+/-1.05	1.22	0.300	pCi/g					
Cesium-137	U	0.000125	+/-0.0186	0.0297	0.100	pCi/g					
Chromium-51	U	-0.304	+/-0.607	1.09	0.600	pCi/g					
Cobalt-56	U	0.00344	+/-0.0289	0.0523	0.100	pCi/g					
Cobalt-57	U	-0.00311	+/-0.0142	0.0264	0.050	pCi/g					
Cobalt-58	U	-0.0101	+/-0.0317	0.0552	0.100	pCi/g					
Cobalt-60	U	0.00345	+/-0.0186	0.0342	0.100	pCi/g					
Europium-152	U	-0.000749	+/-0.0516	0.0833	0.200	pCi/g					
Europium-154	U	-0.0142	+/-0.0566	0.0991	0.500	pCi/g					
Europium-155	U	0.0651	+/-0.0553	0.109	0.500	pCi/g					
Iridium-192	U	-0.00153	+/-0.0261	0.0483	0.100	pCi/g					
Iron-59	U	-0.0233	+/-0.0923	0.164	0.300	pCi/g					
Lead-210	U	0.480	+/-1.38	2.19	4.00	pCi/g					
Lead-212		0.675	+/-0.0802	0.0531	0.100	pCi/g					
Lead-214		0.579	+/-0.0908	0.0625	0.100	pCi/g					
Manganese-54	U	-0.00346	+/-0.0207	0.0364	0.100	pCi/g					
Mercury-203	U	0.0175	+/-0.0576	0.0764	0.100	pCi/g					
Neodymium-147	U	3.23	+/-6.44	12.4	1000	pCi/g					
Neptunium-239	U	-0.0699	+/-0.0941	0.171	2.00	pCi/g					
Niobium-94	U	-0.000897	+/-0.0168	0.0303	1.00	pCi/g					
Niobium-95	U	-0.0124	+/-0.0675	0.119	0.050	pCi/g					
Potassium-40		14.0	+/-1.16	0.290	1.00	pCi/g					
Promethium-144	U	-0.00218	+/-0.0188	0.0338	0.080	pCi/g					
Promethium-146	U	0.0161	+/-0.0211	0.0397	1.00	pCi/g					
Radium-228		0.652	+/-0.157	0.121	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-454
Sample ID: 137898094

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0532	+/-0.167	0.313	0.800	pCi/g					
Silver-110m	U	-0.00362	+/-0.0188	0.0339	0.080	pCi/g					
Sodium-22	U	-0.00106	+/-0.0203	0.0364	0.080	pCi/g					
Thallium-208		0.203	+/-0.0381	0.0324	0.080	pCi/g					
Thorium-230		0.519	+/-0.0962	0.0605	1.00	pCi/g					
Thorium-234	U	4.200E-05	+/-0.738	0.990	2.00	pCi/g					
Tin-113	U	0.00244	+/-0.0288	0.0526	0.100	pCi/g					
Uranium-235	U	0.0763	+/-0.108	0.203	0.500	pCi/g					
Uranium-238	U	4.200E-05	+/-0.738	0.990	1.00	pCi/g					
Yttrium-88	U	0.00677	+/-0.0227	0.0442	0.100	pCi/g					
Zinc-65	U	-0.012	+/-0.054	0.0818	0.300	pCi/g					
Zirconium-95	U	-0.0525	+/-0.0598	0.0997	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-454
Sample ID: 137898094

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-437
Sample ID: 137898095
Matrix: Soil
Collect Date: 22-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.16	+/-0.258	0.170	0.800	pCi/g		AKB	06/27/05 0916	431532	1
Americium-241	U	-0.0459	+/-0.120	0.206	0.200	pCi/g					
Antimony-124	U	-0.0158	+/-0.097	0.181	0.100	pCi/g					
Antimony-125	U	0.00251	+/-0.0643	0.121	0.200	pCi/g					
Barium-133	U	0.00316	+/-0.0352	0.0556	0.100	pCi/g					
Barium-140	U	1.01	+/-2.97	5.63	0.500	pCi/g					
Beryllium-7	U	0.433	+/-0.416	0.841	0.700	pCi/g					
Bismuth-212		0.779	+/-0.285	0.410	0.500	pCi/g					
Bismuth-214		0.846	+/-0.142	0.0877	0.200	pCi/g					
Cerium-139	U	0.0283	+/-0.0273	0.0525	0.050	pCi/g					
Cerium-141	U	0.0658	+/-0.138	0.246	0.100	pCi/g					
Cerium-144	U	-0.0879	+/-0.156	0.282	0.500	pCi/g					
Cesium-134	U	0.0563	+/-0.0469	0.0693	0.100	pCi/g					
Cesium-136	U	0.644	+/-1.10	2.19	0.300	pCi/g					
Cesium-137	U	0.00335	+/-0.0264	0.0489	0.100	pCi/g					
Chromium-51	U	-0.468	+/-0.949	1.62	0.600	pCi/g					
Cobalt-56	U	0.0208	+/-0.0451	0.0854	0.100	pCi/g					
Cobalt-57	U	0.00896	+/-0.0193	0.037	0.050	pCi/g					
Cobalt-58	U	0.0324	+/-0.0453	0.0886	0.100	pCi/g					
Cobalt-60	U	-0.004	+/-0.028	0.0516	0.100	pCi/g					
Europium-152	U	0.0448	+/-0.073	0.134	0.200	pCi/g					
Europium-154	U	-0.0332	+/-0.101	0.179	0.500	pCi/g					
Europium-155	U	0.0186	+/-0.0774	0.147	0.500	pCi/g					
Iridium-192	U	-0.0215	+/-0.0412	0.0702	0.100	pCi/g					
Iron-59	U	0.0369	+/-0.146	0.279	0.300	pCi/g					
Lead-210	U	2.72	+/-4.62	5.82	4.00	pCi/g					
Lead-212		1.06	+/-0.0903	0.0779	0.100	pCi/g					
Lead-214		0.870	+/-0.115	0.0874	0.100	pCi/g					
Manganese-54	U	0.00589	+/-0.0315	0.0576	0.100	pCi/g					
Mercury-203	U	0.0794	+/-0.0814	0.108	0.100	pCi/g					
Neodymium-147	U	-3.72	+/-9.14	16.4	1000	pCi/g					
Neptunium-239	U	0.0242	+/-0.126	0.238	2.00	pCi/g					
Niobium-94	U	-0.0016	+/-0.0242	0.0436	1.00	pCi/g					
Niobium-95	U	0.0798	+/-0.105	0.184	0.050	pCi/g					
Potassium-40		19.2	+/-1.34	0.404	1.00	pCi/g					
Promethium-144	U	0.00833	+/-0.0291	0.054	0.080	pCi/g					
Promethium-146	U	0.0193	+/-0.0329	0.0637	1.00	pCi/g					
Radium-228		1.16	+/-0.258	0.170	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-437
Sample ID: 137898095

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0362	+/-0.280	0.444	0.800	pCi/g					
Silver-110m	U	-0.00145	+/-0.0284	0.0517	0.080	pCi/g					
Sodium-22	U	-0.0128	+/-0.0371	0.0655	0.080	pCi/g					
Thallium-208		0.342	+/-0.0634	0.0482	0.080	pCi/g					
Thorium-230		0.846	+/-0.142	0.0877	1.00	pCi/g					
Thorium-234	U	0.337	+/-1.32	1.73	2.00	pCi/g					
Tin-113	U	0.015	+/-0.0419	0.0807	0.100	pCi/g					
Uranium-235	U	0.0841	+/-0.175	0.285	0.500	pCi/g					
Uranium-238	U	0.337	+/-1.32	1.73	1.00	pCi/g					
Yttrium-88	U	0.0136	+/-0.0363	0.0769	0.100	pCi/g					
Zinc-65	UUI	0.00	+/-0.119	0.0899	0.300	pCi/g					
Zirconium-95	U	0.135	+/-0.105	0.194	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Company : MACTEC Constructors
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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-437
Sample ID: 137898095

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-521
Sample ID: 137898096
Matrix: Soil
Collect Date: 27-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.914	+/-0.299	0.247	0.800	pCi/g		AKB 06/27/05	0921	431532	1
Americium-241	U	0.0369	+/-0.110	0.149	0.200	pCi/g					
Antimony-124	U	-0.0104	+/-0.118	0.239	0.100	pCi/g					
Antimony-125	U	0.0545	+/-0.0925	0.178	0.200	pCi/g					
Barium-133	U	-0.0267	+/-0.0465	0.0712	0.100	pCi/g					
Barium-140	U	-0.557	+/-3.26	5.83	0.500	pCi/g					
Beryllium-7	U	0.620	+/-0.591	1.17	0.700	pCi/g					
Bismuth-212		0.531	+/-0.467	0.523	0.500	pCi/g					
Bismuth-214	UUI	0.00	+/-0.168	0.270	0.200	pCi/g					
Cerium-139	U	0.00458	+/-0.0368	0.0658	0.050	pCi/g					
Cerium-141	U	0.0844	+/-0.152	0.280	0.100	pCi/g					
Cerium-144	U	-0.234	+/-0.225	0.379	0.500	pCi/g					
Cesium-134	U	0.0269	+/-0.0418	0.0841	0.100	pCi/g					
Cesium-136	U	0.435	+/-1.27	2.45	0.300	pCi/g					
Cesium-137	U	0.0784	+/-0.0504	0.0994	0.100	pCi/g					
Chromium-51	U	0.482	+/-1.17	1.99	0.600	pCi/g					
Cobalt-56	U	-0.016	+/-0.0565	0.104	0.100	pCi/g					
Cobalt-57	U	-0.00487	+/-0.0264	0.0472	0.050	pCi/g					
Cobalt-58	U	0.0339	+/-0.0613	0.123	0.100	pCi/g					
Cobalt-60	U	0.004	+/-0.0363	0.0702	0.100	pCi/g					
Europium-152	U	-0.0286	+/-0.0883	0.160	0.200	pCi/g					
Europium-154	U	-0.0643	+/-0.120	0.207	0.500	pCi/g					
Europium-155	U	0.092	+/-0.0936	0.178	0.500	pCi/g					
Iridium-192	U	-0.0279	+/-0.0474	0.0847	0.100	pCi/g					
Iron-59	U	0.172	+/-0.184	0.379	0.300	pCi/g					
Lead-210	U	1.27	+/-1.02	1.84	4.00	pCi/g					
Lead-212		0.801	+/-0.121	0.0971	0.100	pCi/g					
Lead-214		0.736	+/-0.171	0.118	0.100	pCi/g					
Manganese-54	U	0.0115	+/-0.0379	0.0743	0.100	pCi/g					
Mercury-203	U	0.0909	+/-0.0765	0.151	0.100	pCi/g					
Neodymium-147	U	6.00	+/-10.8	20.6	1000	pCi/g					
Neptunium-239	U	-0.0909	+/-0.170	0.300	2.00	pCi/g					
Niobium-94	U	0.0407	+/-0.0269	0.0602	1.00	pCi/g					
Niobium-95	U	-0.0245	+/-0.118	0.218	0.050	pCi/g					
Potassium-40		13.8	+/-1.67	0.633	1.00	pCi/g					
Promethium-144	U	0.00831	+/-0.0404	0.0739	0.080	pCi/g					
Promethium-146	U	0.0367	+/-0.049	0.0939	1.00	pCi/g					
Radium-228		0.914	+/-0.299	0.247	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-521 Project: MCTC00402
Sample ID: 137898096 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0896	+/-0.348	0.615	0.800	pCi/g					
Silver-110m	U	-0.0939	+/-0.0536	0.0793	0.080	pCi/g					
Sodium-22	U	-0.0233	+/-0.0441	0.076	0.080	pCi/g					
Thallium-208		0.288	+/-0.0933	0.0708	0.080	pCi/g					
Thorium-230		0.676	+/-0.168	0.121	1.00	pCi/g					
Thorium-234	U	1.33	+/-1.27	1.35	2.00	pCi/g					
Tin-113	U	-0.0475	+/-0.053	0.0909	0.100	pCi/g					
Uranium-235	U	0.0407	+/-0.197	0.356	0.500	pCi/g					
Uranium-238	U	1.33	+/-1.27	1.35	1.00	pCi/g					
Yttrium-88	U	-0.00879	+/-0.0512	0.0993	0.100	pCi/g					
Zinc-65	U	0.171	+/-0.175	0.187	0.300	pCi/g					
Zirconium-95	U	-0.0302	+/-0.109	0.202	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-521
Sample ID: 137898096

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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Edith Kent

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-366
Sample ID: 137898097
Matrix: Soil
Collect Date: 19-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.15	+/-0.249	0.184	0.800	pCi/g		AKB 06/27/05	0954	431532	1
Americium-241	U	-0.00593	+/-0.137	0.222	0.200	pCi/g					
Antimony-124	U	0.00653	+/-0.121	0.233	0.100	pCi/g					
Antimony-125	U	0.0521	+/-0.0651	0.127	0.200	pCi/g					
Barium-133	U	-0.00408	+/-0.0375	0.0597	0.100	pCi/g					
Barium-140	U	-0.0672	+/-3.69	6.66	0.500	pCi/g					
Beryllium-7	U	-0.194	+/-0.486	0.852	0.700	pCi/g					
Bismuth-212		0.938	+/-0.439	0.424	0.500	pCi/g					
Bismuth-214		0.822	+/-0.156	0.0884	0.200	pCi/g					
Cerium-139	U	-0.0116	+/-0.033	0.0498	0.050	pCi/g					
Cerium-141	U	0.0848	+/-0.126	0.266	0.100	pCi/g					
Cerium-144	U	0.0253	+/-0.180	0.319	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0662	0.0678	0.100	pCi/g					
Cesium-136	U	0.0553	+/-1.74	2.82	0.300	pCi/g					
Cesium-137	U	0.0272	+/-0.0273	0.0499	0.100	pCi/g					
Chromium-51	U	0.189	+/-1.06	1.97	0.600	pCi/g					
Cobalt-56	U	0.0352	+/-0.0498	0.0956	0.100	pCi/g					
Cobalt-57	U	0.00797	+/-0.0225	0.0405	0.050	pCi/g					
Cobalt-58	U	-0.0105	+/-0.0535	0.0932	0.100	pCi/g					
Cobalt-60	U	0.0171	+/-0.031	0.0622	0.100	pCi/g					
Europium-152	U	-0.0479	+/-0.0761	0.133	0.200	pCi/g					
Europium-154	U	0.0313	+/-0.097	0.186	0.500	pCi/g					
Europium-155	U	-0.0421	+/-0.0879	0.152	0.500	pCi/g					
Iridium-192	U	-0.0204	+/-0.0423	0.0751	0.100	pCi/g					
Iron-59	U	0.101	+/-0.122	0.307	0.300	pCi/g					
Lead-210	U	-0.112	+/-3.48	5.72	4.00	pCi/g					
Lead-212		1.10	+/-0.130	0.0779	0.100	pCi/g					
Lead-214		0.826	+/-0.145	0.0992	0.100	pCi/g					
Manganese-54	U	0.0192	+/-0.0427	0.0613	0.100	pCi/g					
Mercury-203	U	-0.0333	+/-0.0697	0.124	0.100	pCi/g					
Neodymium-147	U	0.442	+/-12.0	21.9	1000	pCi/g					
Neptunium-239	U	0.0536	+/-0.149	0.268	2.00	pCi/g					
Niobium-94	U	0.00834	+/-0.0246	0.0456	1.00	pCi/g					
Niobium-95	U	0.0695	+/-0.127	0.237	0.050	pCi/g					
Potassium-40		16.9	+/-1.74	0.439	1.00	pCi/g					
Promethium-144	U	-0.00667	+/-0.0276	0.0483	0.080	pCi/g					
Promethium-146	U	0.00469	+/-0.0374	0.0568	1.00	pCi/g					
Radium-228		1.15	+/-0.249	0.184	0.500	pCi/g					

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Certificate of Analysis

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-366
Sample ID: 137898097

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.173	+/-0.276	0.523	0.800	pCi/g					
Silver-110m	U	-0.0133	+/-0.028	0.0479	0.080	pCi/g					
Sodium-22	U	0.0114	+/-0.0357	0.0684	0.080	pCi/g					
Thallium-208		0.338	+/-0.0686	0.0434	0.080	pCi/g					
Thorium-230		0.822	+/-0.156	0.0884	1.00	pCi/g					
Thorium-234		1.86	+/-1.70	1.75	2.00	pCi/g					
Tin-113	U	0.0199	+/-0.0442	0.0835	0.100	pCi/g					
Uranium-235	U	0.117	+/-0.168	0.290	0.500	pCi/g					
Uranium-238		1.86	+/-1.70	1.75	1.00	pCi/g					
Yttrium-88	U	0.0344	+/-0.0427	0.0936	0.100	pCi/g					
Zinc-65	U	0.055	+/-0.103	0.176	0.300	pCi/g					
Zirconium-95	UUI	0.00	+/-0.260	0.179	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-366
Sample ID: 137898097

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-546
Sample ID: 137898098
Matrix: Soil
Collect Date: 29-APR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.01	+/-0.238	0.163	0.800	pCi/g		AKB	06/27/05	0955	431532 1
Americium-241	U	-0.0413	+/-0.112	0.191	0.200	pCi/g					
Antimony-124	U	-0.0356	+/-0.0813	0.148	0.100	pCi/g					
Antimony-125	U	-0.036	+/-0.0714	0.107	0.200	pCi/g					
Barium-133	U	-0.0102	+/-0.0293	0.0455	0.100	pCi/g					
Barium-140	U	0.720	+/-1.74	3.36	0.500	pCi/g					
Beryllium-7	U	0.152	+/-0.368	0.685	0.700	pCi/g					
Bismuth-212		0.552	+/-0.265	0.381	0.500	pCi/g					
Bismuth-214		0.645	+/-0.125	0.089	0.200	pCi/g					
Cerium-139	U	0.00795	+/-0.0254	0.0463	0.050	pCi/g					
Cerium-141	U	0.0216	+/-0.108	0.198	0.100	pCi/g					
Cerium-144	U	0.0804	+/-0.157	0.293	0.500	pCi/g					
Cesium-134	U	0.0241	+/-0.0304	0.0588	0.100	pCi/g					
Cesium-136	U	0.642	+/-0.703	1.30	0.300	pCi/g					
Cesium-137	U	0.00618	+/-0.0269	0.0504	0.100	pCi/g					
Chromium-51	U	-0.221	+/-0.728	1.32	0.600	pCi/g					
Cobalt-56	U	0.027	+/-0.041	0.0788	0.100	pCi/g					
Cobalt-57	U	0.00623	+/-0.0181	0.034	0.050	pCi/g					
Cobalt-58	U	0.00171	+/-0.0407	0.0747	0.100	pCi/g					
Cobalt-60	U	0.00872	+/-0.0296	0.0562	0.100	pCi/g					
Europium-152	U	-0.00186	+/-0.064	0.117	0.200	pCi/g					
Europium-154	U	0.00415	+/-0.105	0.166	0.500	pCi/g					
Europium-155	U	0.0741	+/-0.0807	0.127	0.500	pCi/g					
Iridium-192	U	0.00611	+/-0.0342	0.0638	0.100	pCi/g					
Iron-59	U	0.0624	+/-0.132	0.226	0.300	pCi/g					
Lead-210	U	0.756	+/-2.61	4.71	4.00	pCi/g					
Lead-212		0.819	+/-0.104	0.0695	0.100	pCi/g					
Lead-214		0.770	+/-0.136	0.0829	0.100	pCi/g					
Manganese-54	U	0.00288	+/-0.0298	0.0542	0.100	pCi/g					
Mercury-203	U	0.0189	+/-0.0808	0.101	0.100	pCi/g					
Neodymium-147	U	1.18	+/-5.16	9.98	1000	pCi/g					
Neptunium-239	U	0.0241	+/-0.124	0.232	2.00	pCi/g					
Niobium-94	U	-3.170E-05	+/-0.0239	0.0438	1.00	pCi/g					
Niobium-95	U	0.00678	+/-0.0835	0.152	0.050	pCi/g					
Potassium-40		14.7	+/-1.44	0.445	1.00	pCi/g					
Promethium-144	U	0.0217	+/-0.0292	0.0494	0.080	pCi/g					
Promethium-146	U	-0.00816	+/-0.0317	0.0557	1.00	pCi/g					
Radium-228		1.01	+/-0.238	0.163	0.500	pCi/g					

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Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-546
Sample ID: 137898098

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.0521	+/-0.229	0.418	0.800	pCi/g					
Silver-110m	U	-0.00409	+/-0.0272	0.0496	0.080	pCi/g					
Sodium-22	U	0.00174	+/-0.0386	0.0609	0.080	pCi/g					
Thallium-208		0.252	+/-0.0528	0.0495	0.080	pCi/g					
Thorium-230		0.645	+/-0.125	0.0889	1.00	pCi/g					
Thorium-234	U	0.193	+/-1.40	1.57	2.00	pCi/g					
Tin-113	U	0.0111	+/-0.0392	0.0726	0.100	pCi/g					
Uranium-235	U	0.130	+/-0.144	0.269	0.500	pCi/g					
Uranium-238	U	0.193	+/-1.40	1.57	1.00	pCi/g					
Yttrium-88	U	0.0186	+/-0.0262	0.0597	0.100	pCi/g					
Zinc-65	U	-0.0467	+/-0.0886	0.130	0.300	pCi/g					
Zirconium-95	U	-0.0374	+/-0.0944	0.141	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0504-546
Sample ID: 137898098

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-068
Sample ID: 137898099
Matrix: Soil
Collect Date: 28-FEB-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.829	+/-0.222	0.170	0.800	pCi/g		AKB	06/27/05	0955	431532 1
Americium-241	U	-0.00303	+/-0.040	0.0741	0.200	pCi/g					
Antimony-124	U	0.0358	+/-0.193	0.385	0.100	pCi/g					
Antimony-125	U	-0.0217	+/-0.0702	0.124	0.200	pCi/g					
Barium-133	U	0.0382	+/-0.0347	0.0608	0.100	pCi/g					
Barium-140	U	-2.85	+/-49.2	0.00	0.500	pCi/g					
Beryllium-7	U	-0.231	+/-0.861	1.61	0.700	pCi/g					
Bismuth-212		0.527	+/-0.439	0.432	0.500	pCi/g					
Bismuth-214		0.654	+/-0.124	0.0959	0.200	pCi/g					
Cerium-139	U	-0.00721	+/-0.0324	0.0608	0.050	pCi/g					
Cerium-141	U	0.328	+/-0.376	0.741	0.100	pCi/g					
Cerium-144	U	0.141	+/-0.195	0.341	0.500	pCi/g					
Cesium-134	U	0.0711	+/-0.0392	0.0726	0.100	pCi/g					
Cesium-136	U	-2.38	+/-19.6	0.00	0.300	pCi/g					
Cesium-137	U	-0.00997	+/-0.0254	0.0459	0.100	pCi/g					
Chromium-51	U	3.96	+/-3.83	6.13	0.600	pCi/g					
Cobalt-56	U	-0.00665	+/-0.0771	0.140	0.100	pCi/g					
Cobalt-57	U	0.00132	+/-0.0204	0.0395	0.050	pCi/g					
Cobalt-58	U	-0.0272	+/-0.083	0.148	0.100	pCi/g					
Cobalt-60	U	-0.0268	+/-0.0316	0.0423	0.100	pCi/g					
Europium-152	U	-0.0413	+/-0.0762	0.115	0.200	pCi/g					
Europium-154	U	-0.0264	+/-0.0838	0.152	0.500	pCi/g					
Europium-155	U	0.0522	+/-0.068	0.135	0.500	pCi/g					
Iridium-192	U	0.0729	+/-0.0705	0.121	0.100	pCi/g					
Iron-59	U	-0.0896	+/-0.410	0.613	0.300	pCi/g					
Lead-210		0.750	+/-0.670	0.604	4.00	pCi/g					
Lead-212		0.948	+/-0.117	0.0729	0.100	pCi/g					
Lead-214		0.796	+/-0.130	0.0861	0.100	pCi/g					
Manganese-54	U	-0.00485	+/-0.0327	0.0594	0.100	pCi/g					
Mercury-203	U	0.147	+/-0.134	0.261	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-277	0.00	1000	pCi/g					
Neptunium-239	U	-0.0595	+/-0.120	0.227	2.00	pCi/g					
Niobium-94	U	0.0162	+/-0.0234	0.0461	1.00	pCi/g					
Niobium-95	U	-0.173	+/-0.290	0.505	0.050	pCi/g					
Potassium-40		13.9	+/-1.50	0.429	1.00	pCi/g					
Promethium-144	U	0.0156	+/-0.0304	0.0589	0.080	pCi/g					
Promethium-146	U	-0.00578	+/-0.0291	0.0548	1.00	pCi/g					
Radium-228		0.829	+/-0.222	0.170	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-068
Sample ID: 137898099

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0937	+/-0.264	0.512	0.800	pCi/g					
Silver-110m	U	-0.0086	+/-0.0308	0.0564	0.080	pCi/g					
Sodium-22	U	-0.0103	+/-0.0316	0.0574	0.080	pCi/g					
Thallium-208		0.327	+/-0.0629	0.0511	0.080	pCi/g					
Thorium-230		0.654	+/-0.124	0.0959	1.00	pCi/g					
Thorium-234	U	0.601	+/-0.670	0.744	2.00	pCi/g					
Tin-113	U	-0.0388	+/-0.0595	0.102	0.100	pCi/g					
Uranium-235	U	0.121	+/-0.140	0.273	0.500	pCi/g					
Uranium-238	U	0.601	+/-0.670	0.744	1.00	pCi/g					
Yttrium-88	U	0.0158	+/-0.0414	0.0903	0.100	pCi/g					
Zinc-65	U	0.0731	+/-0.108	0.165	0.300	pCi/g					
Zirconium-95	U	0.0744	+/-0.158	0.306	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	06/06/05	1217	431305

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0502-068
Sample ID: 137898099

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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Edith Kent

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-093
Sample ID: 137898100
Matrix: Soil
Collect Date: 07-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.772	+/-0.479	0.429	0.800	pCi/g		ADD 06/14/05	2203	431271	1
Americium-241	UUI	0.00	+/-2.36	1.05	0.200	pCi/g					
Antimony-124	U	0.127	+/-1.23	1.88	0.100	pCi/g					
Antimony-125	U	0.257	+/-0.288	0.357	0.200	pCi/g					
Barium-133	U	0.0497	+/-0.113	0.152	0.100	pCi/g					
Barium-140	U	-2530	+/-7790	0.00	0.500	pCi/g					
Beryllium-7	U	-0.697	+/-7.26	10.9	0.700	pCi/g					
Bismuth-212	U	0.0897	+/-0.832	1.32	0.500	pCi/g					
Bismuth-214		1.06	+/-0.314	0.247	0.200	pCi/g					
Cerium-139	UUI	0.00	+/-0.312	0.401	0.050	pCi/g					
Cerium-141	UUI	0.00	+/-64.0	12.7	0.100	pCi/g					
Cerium-144	UUI	0.00	+/-1.60	1.71	0.500	pCi/g					
Cesium-134	U	0.049	+/-0.121	0.192	0.100	pCi/g					
Cesium-136	U	-418	+/-1930	0.00	0.300	pCi/g					
Cesium-137	U	0.0445	+/-0.0896	0.144	0.100	pCi/g					
Chromium-51	U	-2.93	+/-64.1	97.2	0.600	pCi/g					
Cobalt-56	U	0.000749	+/-0.407	0.646	0.100	pCi/g					
Cobalt-57		0.845	+/-0.308	0.220	0.050	pCi/g					
Cobalt-58	U	0.256	+/-0.571	0.802	0.100	pCi/g					
Cobalt-60	U	-0.0335	+/-0.0828	0.114	0.100	pCi/g					
Europium-152	U	0.284	+/-0.346	0.345	0.200	pCi/g					
Europium-154	U	0.0543	+/-0.187	0.321	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.941	0.769	0.500	pCi/g					
Iridium-192	U	-0.141	+/-0.392	0.589	0.100	pCi/g					
Iron-59	U	0.203	+/-2.05	3.46	0.300	pCi/g					
Lead-210	U	-27	+/-22.7	28.0	4.00	pCi/g					
Lead-212		0.694	+/-0.263	0.231	0.100	pCi/g					
Lead-214		1.55	+/-0.345	0.232	0.100	pCi/g					
Manganese-54	U	-0.142	+/-0.125	0.186	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-1.61	1.81	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-80600	0.00	1000	pCi/g					
Neptunium-239	U	0.454	+/-0.864	1.09	2.00	pCi/g					
Niobium-94	U	0.105	+/-0.0938	0.130	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-23.8	6.09	0.050	pCi/g					
Potassium-40		5.37	+/-1.56	0.988	1.00	pCi/g					
Promethium-144	U	-0.16	+/-0.223	0.191	0.080	pCi/g					
Promethium-146	U	0.020	+/-0.123	0.164	1.00	pCi/g					
Radium-228		0.772	+/-0.479	0.429	0.500	pCi/g					

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-093
Sample ID: 137898100

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.647	+/-1.24	1.67	0.800	pCi/g					
Silver-110m	U	-0.101	+/-0.131	0.202	0.080	pCi/g					
Sodium-22	U	0.0221	+/-0.0734	0.126	0.080	pCi/g					
Thallium-208		0.214	+/-0.137	0.155	0.080	pCi/g					
Thorium-230		1.06	+/-0.314	0.247	1.00	pCi/g					
Thorium-234		1010	+/-172	8.20	2.00	pCi/g					
Tin-113	U	0.0782	+/-0.314	0.421	0.100	pCi/g					
Uranium-235		77.8	+/-12.9	2.43	0.500	pCi/g					
Uranium-238		1010	+/-172	8.20	1.00	pCi/g					
Yttrium-88	U	0.244	+/-0.227	0.433	0.100	pCi/g					
Zinc-65	U	0.0219	+/-0.233	0.341	0.300	pCi/g					
Zirconium-95	U	-0.112	+/-1.22	1.92	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AAK	06/13/05	1149	431264

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-093
Sample ID: 137898100

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-034
Sample ID: 137898101
Matrix: Soil
Collect Date: 05-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228	UUI	0.00	+/-1.19	1.24	0.800	pCi/g		ADD 06/14/05	2208	431271	1
Americium-241	UUI	0.00	+/-1.23	1.53	0.200	pCi/g					
Antimony-124	U	0.717	+/-1.38	2.48	0.100	pCi/g					
Antimony-125	U	0.0879	+/-0.378	0.580	0.200	pCi/g					
Barium-133	U	-0.102	+/-0.173	0.225	0.100	pCi/g					
Barium-140	UI	0.00	+/-2890	0.00	0.500	pCi/g					
Beryllium-7	U	4.54	+/-8.36	12.9	0.700	pCi/g					
Bismuth-212	UUI	0.00	+/-1.72	2.18	0.500	pCi/g					
Bismuth-214		0.651	+/-0.383	0.432	0.200	pCi/g					
Cerium-139	UUI	0.00	+/-0.413	0.516	0.050	pCi/g					
Cerium-141	UUI	0.00	+/-81.7	9.23	0.100	pCi/g					
Cerium-144	U	1.14	+/-1.65	2.08	0.500	pCi/g					
Cesium-134	U	-0.00399	+/-0.214	0.341	0.100	pCi/g					
Cesium-136	UI	0.00	+/-1310	0.00	0.300	pCi/g					
Cesium-137		4.53	+/-0.606	0.253	0.100	pCi/g					
Chromium-51	U	18.1	+/-49.7	67.7	0.600	pCi/g					
Cobalt-56	U	-0.409	+/-0.675	1.05	0.100	pCi/g					
Cobalt-57		1.64	+/-0.330	0.273	0.050	pCi/g					
Cobalt-58	U	-0.436	+/-0.750	1.17	0.100	pCi/g					
Cobalt-60		27.1	+/-1.71	0.261	0.100	pCi/g					
Europium-152	U	0.00332	+/-0.393	0.526	0.200	pCi/g					
Europium-154	U	0.0781	+/-0.353	0.605	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.972	0.879	0.500	pCi/g					
Iridium-192	U	0.434	+/-0.628	0.684	0.100	pCi/g					
Iron-59	U	-1.75	+/-4.25	6.61	0.300	pCi/g					
Lead-210	U	7.37	+/-31.3	38.5	4.00	pCi/g					
Lead-212		2.21	+/-0.370	0.461	0.100	pCi/g					
Lead-214		0.917	+/-0.450	0.377	0.100	pCi/g					
Manganese-54	U	0.187	+/-0.236	0.384	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-1.84	1.81	0.100	pCi/g					
Neodymium-147	U	-15000	+/-22400	0.00	1000	pCi/g					
Neptunium-239	U	1.11	+/-1.14	1.44	2.00	pCi/g					
Niobium-94	U	-0.0514	+/-0.165	0.226	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-10.6	5.93	0.050	pCi/g					
Potassium-40		12.8	+/-2.77	1.87	1.00	pCi/g					
Promethium-144	U	-0.0832	+/-0.190	0.299	0.080	pCi/g					
Promethium-146	U	-0.00604	+/-0.174	0.265	1.00	pCi/g					
Radium-228	UUI	0.00	+/-1.19	1.24	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-034
Sample ID: 137898101

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-1.22	+/-1.66	2.58	0.800	pCi/g					
Silver-110m	U	-0.118	+/-0.262	0.357	0.080	pCi/g					
Sodium-22	U	0.0309	+/-0.136	0.233	0.080	pCi/g					
Thallium-208		0.760	+/-0.272	0.232	0.080	pCi/g					
Thorium-230		0.651	+/-0.383	0.432	1.00	pCi/g					
Thorium-234		698	+/-123	11.3	2.00	pCi/g					
Tin-113	U	0.107	+/-0.419	0.567	0.100	pCi/g					
Uranium-235		113	+/-19.2	3.81	0.500	pCi/g					
Uranium-238		698	+/-123	11.3	1.00	pCi/g					
Yttrium-88	U	-0.186	+/-0.325	0.522	0.100	pCi/g					
Zinc-65	U	-0.142	+/-0.629	0.986	0.300	pCi/g					
Zirconium-95	U	0.765	+/-1.56	2.52	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AAK	06/13/05	1149	431264

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-034
Sample ID: 137898101

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-028
Sample ID: 137898102
Matrix: Soil
Collect Date: 05-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.01	+/-0.448	0.384	0.800	pCi/g		ADD 06/23/05	2221	431271	1
Americium-241	UUI	0.00	+/-3.70	2.37	0.200	pCi/g					
Antimony-124	U	-0.156	+/-0.777	1.31	0.100	pCi/g					
Antimony-125	U	-0.146	+/-0.235	0.368	0.200	pCi/g					
Barium-133	U	0.0999	+/-0.112	0.168	0.100	pCi/g					
Barium-140	U	-717	+/-2790	0.00	0.500	pCi/g					
Beryllium-7	U	-0.129	+/-6.48	9.05	0.700	pCi/g					
Bismuth-212	U	0.730	+/-0.832	1.35	0.500	pCi/g					
Bismuth-214		0.614	+/-0.254	0.249	0.200	pCi/g					
Cerium-139	UUI	0.00	+/-0.374	0.499	0.050	pCi/g					
Cerium-141	UUI	0.00	+/-19.3	12.4	0.100	pCi/g					
Cerium-144	U	-1.7	+/-2.39	2.47	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.127	0.213	0.100	pCi/g					
Cesium-136	U	-245	+/-652	0.00	0.300	pCi/g					
Cesium-137	U	0.0387	+/-0.0931	0.149	0.100	pCi/g					
Chromium-51	U	-4.04	+/-45.5	67.0	0.600	pCi/g					
Cobalt-56	U	-0.323	+/-0.348	0.530	0.100	pCi/g					
Cobalt-57	UUI	0.00	+/-0.420	0.360	0.050	pCi/g					
Cobalt-58	U	-0.189	+/-0.422	0.655	0.100	pCi/g					
Cobalt-60	U	-0.00932	+/-0.0583	0.0982	0.100	pCi/g					
Europium-152		0.883	+/-0.364	0.370	0.200	pCi/g					
Europium-154	U	-0.0528	+/-0.168	0.280	0.500	pCi/g					
Europium-155	UUI	0.00	+/-1.14	1.30	0.500	pCi/g					
Iridium-192	U	0.249	+/-0.379	0.566	0.100	pCi/g					
Iron-59	U	-1.25	+/-1.57	2.15	0.300	pCi/g					
Lead-210	U	-2.3	+/-90.5	108	4.00	pCi/g					
Lead-212	UUI	0.00	+/-0.238	0.314	0.100	pCi/g					
Lead-214		0.747	+/-0.263	0.262	0.100	pCi/g					
Manganese-54	U	-0.0516	+/-0.131	0.177	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-1.56	1.62	0.100	pCi/g					
Neodymium-147	U	-19800	+/-24200	0.00	1000	pCi/g					
Neptunium-239	U	0.539	+/-1.29	1.69	2.00	pCi/g					
Niobium-94	UUI	0.00	+/-0.089	0.137	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-7.85	4.10	0.050	pCi/g					
Potassium-40		17.6	+/-1.89	0.874	1.00	pCi/g					
Promethium-144	U	-0.0225	+/-0.117	0.183	0.080	pCi/g					
Promethium-146	U	-0.0303	+/-0.109	0.172	1.00	pCi/g					
Radium-228		1.01	+/-0.448	0.384	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-028 Project: MCTC00402
Sample ID: 137898102 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0968	+/-1.05	1.66	0.800	pCi/g					
Silver-110m	U	-0.0514	+/-0.132	0.206	0.080	pCi/g					
Sodium-22	U	-0.0208	+/-0.0652	0.108	0.080	pCi/g					
Thallium-208		0.349	+/-0.169	0.159	0.080	pCi/g					
Thorium-230		0.614	+/-0.254	0.249	1.00	pCi/g					
Thorium-234		1680	+/-21.2	16.7	2.00	pCi/g					
Tin-113	U	0.0699	+/-0.311	0.410	0.100	pCi/g					
Uranium-235		288	+/-2.46	4.36	0.500	pCi/g					
Uranium-238		1680	+/-21.2	16.7	1.00	pCi/g					
Yttrium-88	U	0.0632	+/-0.144	0.236	0.100	pCi/g					
Zinc-65	U	-0.00933	+/-0.202	0.297	0.300	pCi/g					
Zirconium-95	U	-0.114	+/-1.01	1.58	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AAK	06/13/05	1149	431264

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-028
Sample ID: 137898102

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-009
Sample ID: 137898103
Matrix: Soil
Collect Date: 04-JAN-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228	UUI	0.00	+/-0.700	0.499	0.800	pCi/g		ADD 06/23/05	2222	431271	1
Americium-241		2.20	+/-0.313	0.360	0.200	pCi/g					
Antimony-124	U	1.59	+/-1.61	1.88	0.100	pCi/g					
Antimony-125	U	0.0423	+/-0.270	0.411	0.200	pCi/g					
Barium-133	U	0.0573	+/-0.102	0.166	0.100	pCi/g					
Barium-140	UI	0.00	+/-3610	0.00	0.500	pCi/g					
Beryllium-7	U	5.20	+/-6.82	10.6	0.700	pCi/g					
Bismuth-212	U	0.335	+/-1.24	1.48	0.500	pCi/g					
Bismuth-214		0.636	+/-0.457	0.288	0.200	pCi/g					
Cerium-139	UUI	0.00	+/-0.279	0.363	0.050	pCi/g					
Cerium-141	UUI	0.00	+/-215	8.81	0.100	pCi/g					
Cerium-144	UUI	0.00	+/-1.86	1.63	0.500	pCi/g					
Cesium-134	U	0.0586	+/-0.140	0.230	0.100	pCi/g					
Cesium-136	UI	0.00	+/-907	0.00	0.300	pCi/g					
Cesium-137	U	0.133	+/-0.169	0.159	0.100	pCi/g					
Chromium-51	U	-9.96	+/-48.4	65.5	0.600	pCi/g					
Cobalt-56	U	-0.236	+/-0.414	0.653	0.100	pCi/g					
Cobalt-57		2.74	+/-0.476	0.214	0.050	pCi/g					
Cobalt-58	U	-0.23	+/-0.491	0.778	0.100	pCi/g					
Cobalt-60	U	0.0555	+/-0.144	0.142	0.100	pCi/g					
Europium-152	U	0.0145	+/-0.307	0.342	0.200	pCi/g					
Europium-154	U	0.0423	+/-0.241	0.401	0.500	pCi/g					
Europium-155	UUI	0.00	+/-1.43	0.595	0.500	pCi/g					
Iridium-192	U	0.238	+/-0.401	0.550	0.100	pCi/g					
Iron-59	U	0.581	+/-2.00	3.33	0.300	pCi/g					
Lead-210	U	0.965	+/-3.15	2.90	4.00	pCi/g					
Lead-212		1.28	+/-0.265	0.220	0.100	pCi/g					
Lead-214		0.477	+/-0.277	0.257	0.100	pCi/g					
Manganese-54	U	0.169	+/-0.190	0.236	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-1.63	1.46	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-29800	0.00	1000	pCi/g					
Neptunium-239	U	-3.01	+/-0.945	1.13	2.00	pCi/g					
Niobium-94	U	0.0301	+/-0.101	0.165	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-14.2	4.65	0.050	pCi/g					
Potassium-40		3.29	+/-1.52	1.14	1.00	pCi/g					
Promethium-144	U	0.136	+/-0.175	0.213	0.080	pCi/g					
Promethium-146	U	-0.0494	+/-0.120	0.179	1.00	pCi/g					
Radium-228	UUI	0.00	+/-0.700	0.499	0.500	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0501-009
Sample ID: 137898103

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-1.07	+/-1.22	1.90	0.800	pCi/g					
Silver-110m	U	-0.144	+/-0.152	0.237	0.080	pCi/g					
Sodium-22	U	0.0164	+/-0.0935	0.155	0.080	pCi/g					
Thallium-208		0.428	+/-0.218	0.190	0.080	pCi/g					
Thorium-230		0.636	+/-0.457	0.288	1.00	pCi/g					
Thorium-234		815	+/-147	3.41	2.00	pCi/g					
Tin-113	U	0.275	+/-0.309	0.440	0.100	pCi/g					
Uranium-235		198	+/-39.7	1.12	0.500	pCi/g					
Uranium-238		815	+/-147	3.41	1.00	pCi/g					
Yttrium-88	U	0.125	+/-0.233	0.392	0.100	pCi/g					
Zinc-65	U	0.060	+/-0.278	0.409	0.300	pCi/g					
Zirconium-95	U	0.259	+/-1.31	1.87	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AAK	06/13/05	1149	431264

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

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Report Date: June 30, 2005

Client Sample ID: MAC-0501-009
Sample ID: 137898103

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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Edith Kent
Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-~~0501~~-34 0503 HTD
Sample ID: 137898104
Matrix: Soil
Collect Date: 15-MAR-05 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.10	+/-0.325	0.267	0.800	pCi/g		ADD 06/23/05	2352	431271	1
Americium-241	U	0.392	+/-0.479	0.501	0.200	pCi/g					
Antimony-124	U	-0.0893	+/-0.246	0.415	0.100	pCi/g					
Antimony-125	U	-0.00886	+/-0.117	0.185	0.200	pCi/g					
Barium-133	U	0.031	+/-0.0562	0.0801	0.100	pCi/g					
Barium-140	U	19.9	+/-34.7	55.6	0.500	pCi/g					
Beryllium-7	U	0.0597	+/-1.15	1.82	0.700	pCi/g					
Bismuth-212	U	0.601	+/-0.724	0.700	0.500	pCi/g					
Bismuth-214		0.688	+/-0.220	0.132	0.200	pCi/g					
Cerium-139	U	0.0895	+/-0.0974	0.126	0.050	pCi/g					
Cerium-141	UUI	0.00	+/-5.54	0.972	0.100	pCi/g					
Cerium-144	U	-0.611	+/-0.521	0.711	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.088	0.103	0.100	pCi/g					
Cesium-136	U	-9.2	+/-11.3	17.9	0.300	pCi/g					
Cesium-137	U	0.0704	+/-0.0473	0.0812	0.100	pCi/g					
Chromium-51	U	-2.29	+/-3.71	5.67	0.600	pCi/g					
Cobalt-56	U	0.0338	+/-0.0994	0.173	0.100	pCi/g					
Cobalt-57	UUI	0.00	+/-0.101	0.0919	0.050	pCi/g					
Cobalt-58	U	0.0055	+/-0.113	0.181	0.100	pCi/g					
Cobalt-60	U	0.0228	+/-0.0499	0.0895	0.100	pCi/g					
Europium-152	U	0.0372	+/-0.120	0.191	0.200	pCi/g					
Europium-154	U	0.0805	+/-0.0879	0.224	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.382	0.399	0.500	pCi/g					
Iridium-192	U	0.0263	+/-0.089	0.141	0.100	pCi/g					
Iron-59	U	-0.248	+/-0.419	0.679	0.300	pCi/g					
Lead-210	U	-2.31	+/-10.9	13.3	4.00	pCi/g					
Lead-212		1.37	+/-0.169	0.114	0.100	pCi/g					
Lead-214		0.907	+/-0.188	0.124	0.100	pCi/g					
Manganese-54	U	-0.0308	+/-0.0615	0.0944	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.280	0.240	0.100	pCi/g					
Neodymium-147	U	-131	+/-153	0.00	1000	pCi/g					
Neptunium-239	U	-0.175	+/-0.464	0.577	2.00	pCi/g					
Niobium-94	U	0.0422	+/-0.0448	0.0746	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-0.785	0.547	0.050	pCi/g					
Potassium-40		18.1	+/-2.10	0.711	1.00	pCi/g					
Promethium-144	U	0.0519	+/-0.0707	0.0885	0.080	pCi/g					
Promethium-146	U	-0.0295	+/-0.0552	0.0847	1.00	pCi/g					
Radium-228		1.10	+/-0.325	0.267	0.500	pCi/g					

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-~~0501~~-0503-34 HTD
Sample ID: 137898104

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	0.0808	+/-0.439	0.709	0.800	pCi/g					
Silver-110m	U	-0.0367	+/-0.0556	0.0846	0.080	pCi/g					
Sodium-22	U	0.0301	+/-0.0328	0.0799	0.080	pCi/g					
Thallium-208		0.425	+/-0.109	0.0806	0.080	pCi/g					
Thorium-230		0.688	+/-0.220	0.132	1.00	pCi/g					
Thorium-234		126	+/-22.3	3.95	2.00	pCi/g					
Tin-113	U	-0.0144	+/-0.0923	0.144	0.100	pCi/g					
Uranium-235		28.4	+/-4.72	1.38	0.500	pCi/g					
Uranium-238		126	+/-22.3	3.95	1.00	pCi/g					
Yttrium-88	U	-0.0117	+/-0.0811	0.141	0.100	pCi/g					
Zinc-65	U	0.198	+/-0.149	0.248	0.300	pCi/g					
Zirconium-95	U	-0.0202	+/-0.256	0.354	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AAK	06/13/05	1149	431264

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

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GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-~~0501~~ 0503 HTD 34
Sample ID: 137898104

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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Edith Kent

Reviewed by

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Certificate of Analysis

Company : MACTEC Constructors
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Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-164
Sample ID: 137898105
Matrix: Soil
Collect Date: 14-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.26	+/-0.376	0.289	0.800	pCi/g		ADD 06/24/05	0806	431271	1
Americium-241	U	0.0406	+/-0.222	0.317	0.200	pCi/g					
Antimony-124	U	-0.135	+/-0.685	1.19	0.100	pCi/g					
Antimony-125	U	-0.0166	+/-0.123	0.191	0.200	pCi/g					
Barium-133	U	0.00578	+/-0.0538	0.0746	0.100	pCi/g					
Barium-140	UI	0.00	+/-4320	0.00	0.500	pCi/g					
Beryllium-7	U	0.725	+/-3.72	5.90	0.700	pCi/g					
Bismuth-212	U	0.657	+/-0.495	0.662	0.500	pCi/g					
Bismuth-214		0.677	+/-0.182	0.124	0.200	pCi/g					
Cerium-139	UUI	0.00	+/-0.120	0.167	0.050	pCi/g					
Cerium-141	U	3.31	+/-29.2	5.16	0.100	pCi/g					
Cerium-144	U	0.0209	+/-0.449	0.645	0.500	pCi/g					
Cesium-134	U	0.0941	+/-0.082	0.107	0.100	pCi/g					
Cesium-136	U	-243	+/-1460	0.00	0.300	pCi/g					
Cesium-137		0.231	+/-0.0655	0.0672	0.100	pCi/g					
Chromium-51	U	-7.64	+/-35.1	54.3	0.600	pCi/g					
Cobalt-56	U	0.127	+/-0.232	0.397	0.100	pCi/g					
Cobalt-57		0.236	+/-0.0841	0.0833	0.050	pCi/g					
Cobalt-58	U	0.0328	+/-0.281	0.467	0.100	pCi/g					
Cobalt-60		0.260	+/-0.0953	0.0812	0.100	pCi/g					
Europium-152	U	0.0151	+/-0.128	0.177	0.200	pCi/g					
Europium-154	U	-0.069	+/-0.135	0.223	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.220	0.272	0.500	pCi/g					
Iridium-192	U	0.0933	+/-0.211	0.336	0.100	pCi/g					
Iron-59	U	-1.31	+/-1.56	2.37	0.300	pCi/g					
Lead-210	U	-1.29	+/-7.02	8.88	4.00	pCi/g					
Lead-212		1.14	+/-0.168	0.106	0.100	pCi/g					
Lead-214		0.612	+/-0.185	0.123	0.100	pCi/g					
Manganese-54	U	0.0537	+/-0.0688	0.098	0.100	pCi/g					
Mercury-203	U	0.595	+/-1.06	0.976	0.100	pCi/g					
Neodymium-147	U	-9030	+/-48100	0.00	1000	pCi/g					
Neptunium-239	U	-0.0291	+/-0.278	0.398	2.00	pCi/g					
Niobium-94	U	0.00982	+/-0.0415	0.0692	1.00	pCi/g					
Niobium-95	U	2.34	+/-1.97	3.43	0.050	pCi/g					
Potassium-40		11.9	+/-1.76	0.644	1.00	pCi/g					
Promethium-144	U	0.00157	+/-0.0608	0.100	0.080	pCi/g					
Promethium-146	U	0.0501	+/-0.0556	0.091	1.00	pCi/g					
Radium-228		1.26	+/-0.376	0.289	0.500	pCi/g					

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Certificate of Analysis

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-164
Sample ID: 137898105

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-0.49	+/-0.564	0.877	0.800	pCi/g					
Silver-110m	U	0.022	+/-0.0721	0.107	0.080	pCi/g					
Sodium-22	U	-0.0274	+/-0.0529	0.0875	0.080	pCi/g					
Thallium-208		0.282	+/-0.104	0.0868	0.080	pCi/g					
Thorium-230		0.676	+/-0.182	0.124	1.00	pCi/g					
Thorium-234	UUI	0.00	+/-2.02	2.80	2.00	pCi/g					
Tin-113	UUI	0.00	+/-0.316	0.219	0.100	pCi/g					
Uranium-235		12.0	+/-2.15	0.959	0.500	pCi/g					
Uranium-238	UUI	0.00	+/-2.02	2.80	1.00	pCi/g					
Yttrium-88	U	-0.0128	+/-0.152	0.264	0.100	pCi/g					
Zinc-65	U	0.0978	+/-0.192	0.289	0.300	pCi/g					
Zirconium-95	U	-0.04	+/-0.565	0.930	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AAK	06/13/05	1149	431264

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

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Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-164
Sample ID: 137898105

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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Edith Kent
Reviewed by

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Company : MACTEC Constructors
Address : 2000 Day Hill Rd.
Health Works Building
Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-031
Sample ID: 137898106
Matrix: Soil
Collect Date: 02-DEC-04 12:00
Receive Date: 03-JUN-05
Collector: Client

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228	U	0.737	+/-0.599	0.956	0.800	pCi/g		ADD 06/28/05	1223	431271	1
Americium-241	UUI	0.00	+/-6.64	4.21	0.200	pCi/g					
Antimony-124	U	3.47	+/-2.62	4.24	0.100	pCi/g					
Antimony-125	U	0.0825	+/-0.674	0.991	0.200	pCi/g					
Barium-133	U	-0.0152	+/-0.294	0.432	0.100	pCi/g					
Barium-140	UI	0.00	+/-61500	0.00	0.500	pCi/g					
Beryllium-7	UUI	0.00	+/-32.2	37.8	0.700	pCi/g					
Bismuth-212		8.36	+/-3.16	3.45	0.500	pCi/g					
Bismuth-214	U	0.090	+/-0.404	0.635	0.200	pCi/g					
Cerium-139	UUI	0.00	+/-1.21	1.59	0.050	pCi/g					
Cerium-141	UUI	0.00	+/-4900	74.9	0.100	pCi/g					
Cerium-144	U	-4.85	+/-6.77	7.11	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.563	0.540	0.100	pCi/g					
Cesium-136	UI	0.00	+/-10200	0.00	0.300	pCi/g					
Cesium-137	U	0.192	+/-0.231	0.365	0.100	pCi/g					
Chromium-51	U	28.3	+/-313	461	0.600	pCi/g					
Cobalt-56	U	-0.202	+/-1.34	1.82	0.100	pCi/g					
Cobalt-57	UUI	0.00	+/-2.26	1.05	0.050	pCi/g					
Cobalt-58	U	0.195	+/-1.75	2.39	0.100	pCi/g					
Cobalt-60	U	-0.0367	+/-0.126	0.206	0.100	pCi/g					
Europium-152		5.13	+/-1.06	0.975	0.200	pCi/g					
Europium-154	U	-0.283	+/-0.352	0.561	0.500	pCi/g					
Europium-155	UUI	0.00	+/-11.2	3.49	0.500	pCi/g					
Iridium-192	U	-0.0736	+/-1.43	2.11	0.100	pCi/g					
Iron-59	U	-4.54	+/-6.02	8.35	0.300	pCi/g					
Lead-210	U	73.3	+/-99.2	121	4.00	pCi/g					
Lead-212		13.2	+/-1.31	0.753	0.100	pCi/g					
Lead-214	U	0.535	+/-0.491	0.669	0.100	pCi/g					
Manganese-54	U	-0.194	+/-0.346	0.465	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-10.6	7.51	0.100	pCi/g					
Neodymium-147	U	-1.910E+05	+/-7.030E+05	0.00	1000	pCi/g					
Neptunium-239	U	-3.43	+/-3.29	4.35	2.00	pCi/g					
Niobium-94	UUI	0.00	+/-0.264	0.341	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-249	21.8	0.050	pCi/g					
Potassium-40		3.30	+/-2.57	1.80	1.00	pCi/g					
Promethium-144	U	0.125	+/-0.349	0.483	0.080	pCi/g					
Promethium-146	U	0.0958	+/-0.321	0.449	1.00	pCi/g					
Radium-228	U	0.737	+/-0.599	0.956	0.500	pCi/g					

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Windsor, Connecticut 06095
Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Report Date: June 30, 2005

Client Sample ID: MAC-0412-031 Project: MCTC00402
Sample ID: 137898106 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Ruthenium-106	U	-1.26	+/-2.79	4.35	0.800	pCi/g					
Silver-110m	U	-0.173	+/-0.365	0.567	0.080	pCi/g					
Sodium-22	U	-0.0722	+/-0.137	0.222	0.080	pCi/g					
Thallium-208		4.11	+/-0.635	0.424	0.080	pCi/g					
Thorium-230	U	0.0899	+/-0.404	0.635	1.00	pCi/g					
Thorium-234		8030	+/-1360	32.6	2.00	pCi/g					
Tin-113	U	-0.585	+/-1.02	1.32	0.100	pCi/g					
Uranium-235		2120	+/-349	12.5	0.500	pCi/g					
Uranium-238		8030	+/-1360	32.6	1.00	pCi/g					
Yttrium-88	UUI	0.00	+/-0.325	0.591	0.100	pCi/g					
Zinc-65	U	-0.994	+/-0.424	0.630	0.300	pCi/g					
Zirconium-95	UUI	0.00	+/-5.10	6.06	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AAK	06/13/05	1149	431264

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
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UI Uncertain identification for gamma spectroscopy.
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Report Date: June 30, 2005

Client Sample ID: MAC-0412-031
Sample ID: 137898106

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

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Edith Kent

Reviewed by

HPGe QC Replicate Comparison
August 2005 through December 2005

Sample ID	Co-60 (pCi/g)		U-235 (pCi/g)	
	Replicate Measurement (GEL)	Initial Measurement (on-site)	Replicate Measurement (GEL)	Initial Measurement (on-site)
FSS-CE-003	-4.44E-03	5.94E-02	5.96E-02	1.57E-01
FSS-CE-008	-4.03E-03	1.56E-01	9.34E-02	1.44E-01
FSS-CE-010	-1.11E-02	6.99E-03	4.69E-02	9.75E-03
FSS-CE-029	1.46E-02	-1.43E-02	6.75E-02	1.26E-01
FSS-CE-051	-7.01E-04	-3.26E-02	7.65E-02	5.65E-02
FSS-CE-056	1.09E-02	9.71E-02	3.21E-01	1.62E-01
FSS-CE-057	-5.02E-03	3.76E-02	1.05E-01	2.21E-01
FSS-CE-090	7.10E-03	4.54E-02	1.04E-01	3.50E-02
FSS-6A-001	2.14E-03	1.76E-02	6.41E-02	2.73E-02
FSS-6A-009	1.86E-02	5.21E-02	7.30E-02	8.91E-02
FSS-6A-028	-5.47E-03	4.18E-02	9.05E-02	1.77E-01
FSS-6A-040	-1.84E-02	-1.24E-01	4.69E-02	1.39E-01
FSS-6A-043	1.13E-02	1.02E-01	4.24E-02	9.57E-02
FSS-6A-044	1.65E-03	1.13E-02	8.88E-02	5.37E-02
FSS-6A-045	2.26E-02	5.54E-03	9.85E-03	6.48E-02
MAC-0508-016	5.24E-03	5.36E-02	7.75E-02	1.46E-01
MAC-0508-031	-7.93E-03	0.00E+00	1.46E-01	1.57E-01
MAC-0508-046	-5.31E-03	8.97E-02	5.55E-02	1.19E-01
MAC-0508-052	2.59E-03	4.17E-03	1.31E-01	1.26E-01
MAC-0508-067	8.40E-03	-3.14E-02	1.17E-01	2.16E-02
MAC-0510-017	-8.29E-03	6.73E-02	-2.76E-02	1.31E-01
MAC-0510-025	-2.35E-03	3.93E-02	3.22E-02	4.99E-02
MAC-0510-031	1.24E+01	3.29E+00	1.34E+03	7.26E+02
MAC-0510-037	1.82E+01	5.69E+00	3.59E+02	9.69E+01
MAC-0510-039	4.94E-02	-1.12E-02	1.40E+00	1.10E+00
MAC-0510-064	6.86E-03	-1.02E-01	1.73E-03	1.25E-01
MAC-0510-069	1.99E-02	3.29E-02	-1.05E-02	-2.43E-02
MAC-0510-075	-4.00E-04	1.35E-01	2.38E-01	2.83E-01
MAC-0510-079	-4.54E-03	3.88E-02	6.02E-02	1.36E-01
MAC-0510-081	4.81E-03	2.61E-02	4.58E-02	1.27E-01
MAC-0510-083	-1.88E-03	2.64E-02	9.25E-02	2.70E-02
MAC-0510-088	-1.28E-03	9.98E-03	2.01E-02	8.63E-02
MAC-0510-089	1.45E-02	4.13E-02	2.23E-01	2.61E-02
MAC-0511-006	4.32E-03	4.02E-02	4.93E-02	1.25E-01
MAC-0511-009	8.83E-03	3.07E-02	5.10E+00	3.04E+00
MAC-0511-013	-7.31E-03	1.25E-02	4.80E-02	5.04E-02
MAC-0511-023	0.00E+00	1.71E-02	5.15E-02	1.71E-02
MAC-0511-025	-5.16E-03	3.93E-02	3.67E-02	7.83E-02
MAC-0511-026	8.51E-03	1.21E-01	9.00E-03	-4.40E-02
MAC-0512-007	-3.20E-02	1.57E-03	1.87E-01	9.60E-02

****
***** 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-CE-03
Sample Title: FSS-22-3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.265E+002 g
Sample Taken On: 10/31/2005 8:25:00 AM
Acquisition Started: 11/2/2005 1:01:00 PM
Live Time: 900.0 seconds
Real Time: 901.4 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.01E+001	8.60E+000	2.90E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	6.38E-002	7.82E-002	1.81E-001
CO-57	NOT FOUND/DATA for		122.06 keV	8.08E-002	1.04E-001	1.86E-001
CO-60	NOT FOUND/DATA for		1173.24 keV	5.94E-002	1.13E-001	2.31E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	2.17E-002	2.26E-001	3.87E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	-3.59E-002	8.57E-002	1.52E-001
SB-125	NOT FOUND/DATA for		427.89 keV	-4.76E-002	2.63E-001	4.74E-001
CS-134	NOT FOUND/DATA for		604.70 keV	9.82E-003	1.12E-001	2.05E-001
CS-137	NOT FOUND/DATA for		661.66 keV	6.97E-002	1.14E-001	2.28E-001
TL-208	NOT FOUND/DATA for		583.19 keV	4.06E-001	1.58E-001	3.50E-001
PB-212	1.08E+000	2.34E-001	4.59E-001	FOUND		
BI-214	1.66E+000	6.70E-001	4.86E-001	FOUND		
PB-214	8.84E-001	2.14E-001	4.14E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	3.14E+000	2.35E+000	4.58E+000
AC-228	NOT FOUND/DATA for		911.21 keV	1.00E+000	5.06E-001	1.18E+000
TH-230	NOT FOUND/DATA for		67.67 keV	-7.50E+000	4.22E+001	7.35E+001
PA-231	NOT FOUND/DATA for		300.02 keV	-1.64E+000	3.70E+000	5.99E+000
PA-234	NOT FOUND/DATA for		98.44 keV	-4.80E-001	4.50E-001	6.61E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	3.37E+000	1.87E+001	3.76E+001
TH-234	NOT FOUND/DATA for		92.60 keV	1.98E+000	2.00E+000	3.60E+000
U-234	NOT FOUND/DATA for		53.20 keV	8.31E+001	3.67E+002	6.90E+002
U-235	NOT FOUND/DATA for		185.71 keV	1.57E-001	1.41E-001	2.72E-001
U-238	NOT FOUND/DATA for		92.60 keV	1.98E+000	2.00E+000	3.60E+000
AM-241	NOT FOUND/DATA for		59.54 keV	7.96E-001	6.65E-001	1.33E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: FSS-CE-08
Sample Title: FSS-22-8
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.701E+002 g
Sample Taken On: 10/31/2005 9:50:00 AM
Acquisition Started: 11/2/2005 2:51:57 PM
Live Time: 900.0 seconds
Real Time: 901.4 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.24E+001	3.74E+000	3.04E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.14E-003	1.02E-001	1.99E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.23E-003	1.08E-001	1.78E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		1.56E-001	1.22E-001	2.90E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.06E-001	3.73E-001	4.47E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.77E-002	1.22E-001	1.87E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.54E-001	2.78E-001	4.49E-001
CS-134	NOT FOUND/DATA for	604.70 keV		6.68E-003	9.37E-002	1.79E-001
CS-137	3.32E-001	5.08E-001	2.01E-001	FOUND		
TL-208	5.61E-001	4.94E-001	2.19E-001	FOUND		
PB-212	1.71E+000	6.60E-001	4.97E-001	FOUND		
BI-214	9.26E-001	7.89E-001	4.52E-001	FOUND		
PB-214	8.88E-001	1.05E+000	5.09E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.45E+000	2.53E+000	4.72E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.21E+000	5.95E-001	1.36E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.54E+001	4.54E+001	8.49E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.55E+000	4.46E+000	7.90E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-4.03E-002	4.12E-001	6.93E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.79E+000	2.13E+001	3.84E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.26E+000	2.07E+000	3.65E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.91E+002	3.99E+002	7.73E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.44E-001	1.53E-001	2.92E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.26E+000	2.07E+000	3.65E+000
AM-241	NOT FOUND/DATA for	59.54 keV		0.00E+000	6.49E-001	1.21E+000

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: FSS-CE-10
Sample Title: FSS-22-10
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.914E+002 g
Sample Taken On: 10/27/2005 11:30:00 AM
Acquisition Started: 11/2/2005 3:36:10 PM
Live Time: 900.0 seconds
Real Time: 901.6 seconds
Dead Time: 0.18 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.23E+001	1.23E+001	2.22E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.26E-003	7.96E-002	1.59E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.67E-002	9.24E-002	1.53E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		6.99E-003	7.79E-002	1.65E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.43E-001	1.89E-001	4.21E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.22E-002	9.43E-002	1.56E-001
SB-125	NOT FOUND/DATA for	427.89 keV		5.34E-002	2.19E-001	4.21E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-2.28E-002	8.20E-002	1.54E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.90E-001	1.03E-001	2.40E-001
TL-208	3.01E-001	1.21E-001	2.21E-001	FOUND		
PB-212	7.71E-001	1.87E-001	4.33E-001	FOUND		
BI-214	8.07E-001	2.15E-001	2.51E-001	FOUND		
PB-214	7.12E-001	2.15E-001	4.26E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		-5.53E-002	1.95E+000	3.52E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.09E+000	5.10E-001	1.16E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-9.47E+000	3.44E+001	6.16E+001
PA-231	NOT FOUND/DATA for	300.02 keV		5.54E-001	3.39E+000	5.94E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.68E-001	3.36E-001	5.91E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.08E+000	1.65E+001	3.40E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.54E+000	1.74E+000	3.14E+000
U-234	NOT FOUND/DATA for	53.20 keV		-6.50E+000	3.19E+002	5.87E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.75E-003	1.19E-001	2.12E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.54E+000	1.74E+000	3.14E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.12E-002	5.94E-001	1.08E+000

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: FSS-CE-29
Sample Title: FSS-24-9
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.611E+002 g
Sample Taken On: 11/1/2005 8:30:00 AM
Acquisition Started: 11/8/2005 4:23:29 PM
Live Time: 900.0 seconds
Real Time: 901.6 seconds
Dead Time: 0.17 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.37E+001	3.49E+000	2.56E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-6.53E-002	9.01E-002	1.52E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.70E-002	9.87E-002	1.58E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-1.43E-002	1.22E-001	1.92E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		7.02E-002	2.42E-001	4.86E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.67E-002	9.14E-002	1.64E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-6.25E-004	2.33E-001	4.41E-001
CS-134	NOT FOUND/DATA for	604.70 keV		7.07E-002	7.16E-002	1.60E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.75E-001	1.25E-001	2.71E-001
TL-208	4.04E-001	1.31E-001	2.41E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		1.03E+000	2.63E-001	5.40E-001
BI-214	1.07E+000	4.23E-001	4.17E-001	FOUND		
PB-214	5.88E-001	2.18E-001	3.89E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.43E+000	2.18E+000	4.07E+000
AC-228	1.29E+000	5.41E-001	5.47E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.59E+001	3.63E+001	6.90E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.48E+000	3.39E+000	5.98E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-6.34E-001	5.58E-001	6.00E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-7.54E+000	1.69E+001	3.04E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.09E+000	1.76E+000	3.23E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.91E+002	3.34E+002	5.79E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.26E-001	1.30E-001	2.49E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.09E+000	1.76E+000	3.23E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.21E-001	6.54E-001	1.16E+000

Uncertainty reported at 2.0 sigma

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*** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: FSS-CE-51
Sample Title: FSS-26-3-3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.086E+002 g
Sample Taken On: 11/14/2005 3:45:00 PM
Acquisition Started: 11/15/2005 9:14:28 AM
Live Time: 900.0 seconds
Real Time: 901.5 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.95E+001	3.28E+000	2.76E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.76E-002	7.36E-002	1.34E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.21E-002	1.12E-001	1.82E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-3.26E-002	1.26E-001	2.28E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			2.63E-001	2.51E-001	5.61E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.55E-002	1.20E-001	2.01E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.12E-001	2.61E-001	5.17E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.70E-003	8.96E-002	1.68E-001
CS-137	4.39E-001	1.42E-001	2.03E-001	FOUND		
TL-208	3.11E-001	1.79E-001	2.27E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			1.07E+000	2.72E-001	5.64E-001
BI-214	1.22E+000	3.13E-001	3.88E-001	FOUND		
PB-214	8.93E-001	8.36E-002	5.33E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.24E+000	2.47E+000	4.57E+000
AC-228	9.39E-001	3.60E-001	7.70E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			-3.00E+000	4.27E+001	7.56E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.02E+000	3.67E+000	6.43E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.43E-002	3.99E-001	6.65E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-8.50E+000	1.77E+001	3.15E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-8.00E-001	2.01E+000	3.26E+000
U-234	NOT FOUND/DATA for 53.20 keV			5.13E+000	3.43E+002	6.37E+002
U-235	NOT FOUND/DATA for 185.71 keV			5.65E-002	1.53E-001	2.80E-001
U-238	NOT FOUND/DATA for 92.60 keV			-8.00E-001	2.01E+000	3.26E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.78E-001	7.20E-001	1.35E+000

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: FSS-CE-56
Sample Title: FSS-26-3-8
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.301E+002 g
Sample Taken On: 11/15/2005 1:35:00 PM
Acquisition Started: 11/16/2005 12:25:38 PM
Live Time: 900.0 seconds
Real Time: 901.3 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.30E+001	1.15E+001	2.06E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			6.56E-002	1.05E-001	2.29E-001
CO-57	NOT FOUND/DATA for 122.06 keV			4.40E-002	1.04E-001	1.84E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			9.71E-002	1.13E-001	2.73E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			3.05E-002	2.26E-001	4.56E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.23E-002	1.22E-001	2.07E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-8.58E-002	2.82E-001	4.96E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-9.61E-003	9.55E-002	1.81E-001
CS-137	3.74E-001	1.50E-001	2.50E-001	FOUND		
TL-208	4.05E-001	4.84E-001	1.97E-001	FOUND		
PB-212	9.91E-001	2.44E-001	5.44E-001	FOUND		
BI-214	6.23E-001	2.49E-001	3.40E-001	FOUND		
PB-214	6.94E-001	2.18E-001	5.30E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.27E+000	2.69E+000	5.22E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.08E-001	5.89E-001	1.29E+000
TH-230	NOT FOUND/DATA for 67.67 keV			9.82E-001	4.64E+001	8.53E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.85E+000	3.54E+000	6.49E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.54E-001	4.28E-001	7.50E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.95E+001	2.10E+001	4.72E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-3.96E-002	2.13E+000	3.56E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.48E+002	3.95E+002	7.03E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.67E-001	1.62E-001	3.23E-001
U-238	NOT FOUND/DATA for 92.60 keV			-3.96E-002	2.13E+000	3.56E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.37E-001	7.70E-001	1.35E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: FSS-CE-57
Sample Title: FSS-26-3-9
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.597E+002 g
Sample Taken On: 11/14/2005 3:15:00 PM
Acquisition Started: 11/15/2005 11:50:22 AM
Live Time: 900.0 seconds
Real Time: 901.3 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.21E+001	7.92E+000	2.13E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.99E-002	7.42E-002	1.55E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.45E-002	7.77E-002	1.34E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		3.76E-002	7.97E-002	1.75E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.79E-001	2.75E-001	3.18E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.60E-004	7.56E-002	1.45E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.49E-001	2.39E-001	4.71E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.95E-002	6.66E-002	1.13E-001
CS-137	NOT FOUND/DATA for	661.66 keV		6.58E-002	1.00E-001	2.04E-001
TL-208	4.65E-001	4.65E-001	1.73E-001	FOUND		
PB-212	9.59E-001	2.66E-001	4.05E-001	FOUND		
BI-214	7.43E-001	6.27E-001	3.41E-001	FOUND		
PB-214	7.83E-001	3.08E-001	4.16E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.91E+000	1.89E+000	3.84E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.41E+000	5.09E-001	1.18E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.05E+001	3.41E+001	6.37E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-4.59E-001	3.15E+000	5.36E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.75E-001	3.54E-001	5.48E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.97E+000	1.48E+001	3.10E+001
TH-234	NOT FOUND/DATA for	92.60 keV		9.71E-001	1.64E+000	2.87E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.39E+001	2.81E+002	5.16E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.21E-001	1.18E-001	2.37E-001
U-238	NOT FOUND/DATA for	92.60 keV		9.71E-001	1.64E+000	2.87E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.33E-002	6.01E-001	1.09E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS ****
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Site Location: CE Windsor
Sample ID: FSS-CE-90
Sample Title: FSS-26-1-14
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.763E+002 g
Sample Taken On: 11/16/2005 2:30:00 PM
Acquisition Started: 11/23/2005 8:27:22 AM
Live Time: 900.0 seconds
Real Time: 901.4 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.81E+001	6.67E+000	1.58E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.72E-002	5.67E-002	1.20E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.11E-002	6.89E-002	1.18E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			4.54E-002	6.00E-002	1.49E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.24E-001	1.56E-001	3.44E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.84E-002	8.35E-002	1.27E-001
SB-125	NOT FOUND/DATA for 427.89 keV			7.54E-002	1.67E-001	3.32E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.16E-002	6.65E-002	1.03E-001
CS-137	1.82E-001	3.21E-001	1.22E-001	FOUND		
TL-208	2.20E-001	8.66E-002	1.54E-001	FOUND		
PB-212	6.33E-001	1.49E-001	3.43E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			5.74E-001	2.20E-001	4.89E-001
PB-214	6.82E-001	1.33E-001	2.92E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.34E-001	1.53E+000	2.74E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.33E-001	3.92E-001	8.86E-001
TH-230	NOT FOUND/DATA for 67.67 keV			3.29E+000	2.97E+001	5.25E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-1.04E+000	2.43E+000	3.98E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.88E-002	2.66E-001	4.57E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-4.05E+000	9.52E+000	1.66E+001
TH-234	NOT FOUND/DATA for 92.60 keV			5.52E-001	1.24E+000	2.18E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.89E+002	2.60E+002	4.31E+002
U-235	NOT FOUND/DATA for 185.71 keV			3.50E-002	9.15E-002	1.70E-001
U-238	NOT FOUND/DATA for 92.60 keV			5.52E-001	1.23E+000	2.18E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.33E-001	4.26E-001	7.33E-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 *****
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Site Location: CE Windsor
Sample ID: SS-FSS-6A-01-00
Sample Title: SS-FSS-6A-01-00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.144E+002 g
Sample Taken On: 9/21/2005 8:15:00 AM
Acquisition Started: 9/23/2005 8:04:22 AM
Live Time: 900.0 seconds
Real Time: 900.2 seconds
Dead Time: 0.02 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.12E+001	8.16E+000	1.95E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.49E-002	7.81E-002	1.70E-001
CO-57	NOT FOUND/DATA for 122.06 keV			7.35E-002	9.11E-002	1.63E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.76E-002	6.15E-002	1.46E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			8.31E-003	1.84E-001	3.56E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			2.19E-002	7.57E-002	1.54E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-5.18E-002	2.17E-001	3.97E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-3.40E-002	8.35E-002	1.39E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.61E-002	8.87E-002	1.66E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.23E-001	1.43E-001	3.09E-001
PB-212	NOT FOUND/DATA for 238.63 keV			6.79E-001	2.25E-001	4.56E-001
BI-214	8.89E-001	2.34E-001	3.64E-001	FOUND		
PB-214	9.15E-001	2.37E-001	3.99E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.16E+000	2.27E+000	4.39E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.27E+000	5.51E-001	1.24E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.47E+000	3.64E+001	6.67E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.49E+000	3.13E+000	5.59E+000
PA-234	NOT FOUND/DATA for 131.20 keV			1.79E-001	3.95E-001	6.65E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.26E+001	1.67E+001	3.60E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.05E+000	1.71E+000	3.11E+000
U-234	NOT FOUND/DATA for 53.20 keV			-9.37E+001	3.11E+002	5.49E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.73E-002	1.38E-001	2.48E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.05E+000	1.71E+000	3.11E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.59E-002	6.79E-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 *****
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Site Location: CE Windsor
Sample ID: SS-FSS-6A-09.00
Sample Title: SS-FSS-6A-09.00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.575E+002 g
Sample Taken On: 9/21/2005 9:40:00 AM
Acquisition Started: 9/23/2005 12:06:52 PM
Live Time: 900.0 seconds
Real Time: 900.2 seconds
Dead Time: 0.02 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.38E+001	8.24E+000	3.25E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.92E-003	8.65E-002	1.72E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.25E-002	8.88E-002	1.57E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		5.21E-002	7.87E-002	1.86E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.34E-001	2.91E-001	3.49E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.66E-002	7.82E-002	1.51E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.29E-001	2.25E-001	4.79E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.41E-002	8.65E-002	1.36E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.64E-002	1.00E-001	2.13E-001
TL-208	3.84E-001	5.64E-001	1.84E-001	FOUND		
PB-212	9.39E-001	2.14E-001	4.13E-001	FOUND		
BI-214	9.16E-001	7.72E-001	3.25E-001	FOUND		
PB-214	8.88E-001	2.02E-001	4.50E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.80E+000	2.12E+000	4.17E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.07E+000	5.01E-001	1.17E+000
TH-230	NOT FOUND/DATA for	67.67 keV		3.30E+001	3.95E+001	7.65E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.41E+000	3.60E+000	6.36E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-3.04E-001	3.80E-001	5.83E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.14E+001	1.92E+001	3.06E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.62E+000	1.75E+000	3.18E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.81E+002	3.03E+002	4.94E+002
U-235	NOT FOUND/DATA for	185.71 keV		8.91E-002	1.31E-001	2.46E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.62E+000	1.75E+000	3.18E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.69E-001	5.77E-001	1.03E+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 *****
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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

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.44E+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

****
*** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: SS-FSS-6A-40.00
Sample Title: SS-FSS-6A-40.00.
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 4.851E+002 g
Sample Taken On: 9/22/2005 1:10:00 PM
Acquisition Started: 9/28/2005 2:55:13 PM
Live Time: 900.0 seconds
Real Time: 900.2 seconds
Dead Time: 0.02 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.46E+001	4.08E+000	2.58E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.29E-001	1.19E-001	2.70E-001
CO-57	1.47E-001	8.30E-002	2.03E-001	FOUND		
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.24E-001	1.79E-001	2.35E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-8.71E-002	2.81E-001	5.05E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.42E-001	1.64E-001	1.72E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.56E-001	3.29E-001	5.73E-001
CS-134	NOT FOUND/DATA for	604.70 keV		7.71E-003	1.13E-001	2.05E-001
CS-137	5.22E-001	1.78E-001	2.96E-001	FOUND		
TL-208	3.09E-001	1.46E-001	2.65E-001	FOUND		
PB-212	5.93E-001	2.30E-001	5.65E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		9.53E-001	3.89E-001	8.56E-001
PB-214	NOT FOUND/DATA for	351.92 keV		7.94E-001	3.48E-001	7.41E-001
RA-226	NOT FOUND/DATA for	186.10 keV		3.62E+000	2.71E+000	5.36E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.07E+000	6.25E-001	1.43E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.57E+001	5.05E+001	8.69E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.39E+000	4.16E+000	6.90E+000
PA-234	NOT FOUND/DATA for	98.44 keV		7.82E-002	4.80E-001	8.31E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.47E+001	2.15E+001	4.69E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.69E-001	2.15E+000	3.73E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.83E+001	4.30E+002	8.08E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.39E-001	1.62E-001	3.11E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.69E-001	2.15E+000	3.73E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.34E-001	7.99E-001	1.44E+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 *****
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Site Location: CE Windsor
Sample ID: SS-FSS-6A-43.00
Sample Title: SS-FSS-6A-43.00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.283E+002 g
Sample Taken On: 9/22/2005 1:40:00 PM
Acquisition Started: 9/29/2005 8:03:06 AM
Live Time: 900.0 seconds
Real Time: 900.2 seconds
Dead Time: 0.02 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.73E+001	4.17E+000	2.66E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-2.39E-002	1.15E-001	2.17E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.97E-002	1.13E-001	1.89E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.02E-001	1.05E-001	2.61E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.44E-001	2.32E-001	3.52E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-7.64E-002	1.36E-001	2.30E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.03E-001	2.91E-001	5.13E-001
CS-134	NOT FOUND/DATA for 604.70 keV			5.50E-002	9.93E-002	2.05E-001
CS-137	5.85E-001	5.96E-001	2.35E-001	FOUND		
TL-208	NOT FOUND/DATA for 583.19 keV			1.85E-001	1.55E-001	3.20E-001
PB-212	8.60E-001	2.27E-001	4.71E-001	FOUND		
BI-214	5.62E-001	2.51E-001	4.26E-001	FOUND		
PB-214	7.45E-001	2.78E-001	5.85E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.92E+000	2.76E+000	5.13E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.68E+000	6.61E-001	1.56E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-3.72E+001	4.34E+001	7.26E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.63E+000	4.34E+000	7.71E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-3.55E-001	5.44E-001	7.97E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			7.14E-001	2.00E+001	3.63E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.23E+000	2.16E+000	3.82E+000
U-234	NOT FOUND/DATA for 53.20 keV			3.90E+001	4.02E+002	7.51E+002
U-235	NOT FOUND/DATA for 185.71 keV			9.57E-002	1.59E-001	2.99E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.23E+000	2.16E+000	3.82E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-3.31E-001	6.75E-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 *****
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Site Location: CE Windsor
Sample ID: SS-FSS-6A-44.00
Sample Title: SS-FSS-6A-43.00.DUP
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.480E+002 g
Sample Taken On: 9/22/2005 1:50:00 PM
Acquisition Started: 9/29/2005 10:23:53 AM
Live Time: 900.0 seconds
Real Time: 900.2 seconds
Dead Time: 0.02 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.80E+001	4.14E+000	2.84E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-5.71E-002	1.28E-001	1.92E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.27E-002	1.04E-001	1.74E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.13E-002	1.19E-001	2.39E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.65E-001	1.97E-001	3.04E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-8.75E-002	1.21E-001	2.00E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.32E-001	3.06E-001	5.97E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.73E-002	1.00E-001	1.70E-001
CS-137	3.09E-001	1.40E-001	2.44E-001	FOUND		
TL-208	NOT FOUND/DATA for	583.19 keV		2.63E-001	1.52E-001	3.28E-001
PB-212	5.44E-001	2.09E-001	4.86E-001	FOUND		
BI-214	6.18E-001	1.22E+000	4.86E-001	FOUND		
PB-214	4.42E-001	2.31E-001	4.37E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.15E+000	2.55E+000	4.71E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.09E-001	4.82E-001	1.10E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.37E+000	4.26E+001	7.77E+001
PA-231	NOT FOUND/DATA for	300.02 keV		6.87E-001	3.87E+000	6.84E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.44E-002	4.41E-001	7.26E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.26E+001	2.46E+001	3.50E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.44E+000	1.96E+000	3.64E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.00E+002	3.78E+002	7.16E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.37E-002	1.59E-001	2.92E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.44E+000	1.95E+000	3.64E+000
AM-241	NOT FOUND/DATA for	59.54 keV		7.98E-002	6.46E-001	1.19E+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 *****
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Site Location: CE Windsor
Sample ID: SS-FSS-6A-45.00
Sample Title: SS-FSS-6A-45.00
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.405E+002 g
Sample Taken On: 9/22/2005 2:00:00 PM
Acquisition Started: 9/29/2005 11:18:50 AM
Live Time: 900.0 seconds
Real Time: 900.2 seconds
Dead Time: 0.02 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.34E+001	9.88E+000	1.74E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.25E-002	8.85E-002	1.95E-001
CO-57	NOT FOUND/DATA for	122.06 keV		8.95E-002	1.06E-001	1.94E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		5.54E-003	1.01E-001	2.08E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.19E-002	2.34E-001	4.04E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.32E-001	1.36E-001	1.54E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.01E-001	2.77E-001	5.51E-001
CS-134	NOT FOUND/DATA for	795.84 keV		3.08E-002	1.06E-001	2.18E-001
CS-137	3.33E-001	1.31E-001	1.80E-001	FOUND		
TL-208	2.66E-001	1.22E-001	1.99E-001	FOUND		
PB-212	4.59E-001	1.92E-001	4.68E-001	FOUND		
BI-214	6.67E-001	2.68E-001	4.86E-001	FOUND		
PB-214	7.74E-001	6.28E-001	4.57E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.29E+000	2.47E+000	4.75E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.23E+000	5.97E-001	1.38E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-3.47E+001	4.17E+001	7.10E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.92E+000	4.16E+000	7.46E+000
PA-234	NOT FOUND/DATA for	98.44 keV		4.74E-002	4.28E-001	7.36E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.35E+001	1.96E+001	2.93E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-5.15E-001	2.12E+000	3.47E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.28E+002	3.97E+002	7.68E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.48E-002	1.49E-001	2.78E-001
U-238	NOT FOUND/DATA for	92.60 keV		-5.15E-001	2.12E+000	3.47E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.95E-001	7.78E-001	1.39E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0508-16
Sample Title: B-6A HW Trench MARSSIM FSS #4
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.137E+002 g
Sample Taken On: 8/2/2005 9:00:00 AM
Acquisition Started: 8/3/2005 1:49:15 PM
Live Time: 1200.0 seconds
Real Time: 1201.4 seconds
Dead Time: 0.11 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.01E+001	6.22E+000	1.64E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.49E-003	5.87E-002	1.06E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.60E-002	6.47E-002	1.13E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		5.36E-002	8.18E-002	1.67E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		2.02E-002	1.46E-001	2.81E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.67E-002	5.32E-002	9.56E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-7.67E-003	1.65E-001	2.98E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.30E-002	5.98E-002	9.73E-002
CS-137	NOT FOUND/DATA for	661.66 keV		2.37E-002	7.37E-002	1.41E-001
TL-208	3.94E-001	8.76E-002	1.37E-001	FOUND		
PB-212	6.67E-001	1.37E-001	3.19E-001	FOUND		
BI-214	9.11E-001	5.61E-001	2.54E-001	FOUND		
PB-214	1.01E+000	2.47E-001	3.25E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.46E+000	1.51E+000	2.90E+000
AC-228	8.59E-001	2.39E-001	4.23E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		2.95E+001	2.40E+001	4.70E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.84E+000	2.64E+000	4.34E+000
PA-234	NOT FOUND/DATA for	98.44 keV		5.83E-002	2.62E-001	4.40E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.48E+000	1.09E+001	2.11E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-2.01E-001	1.30E+000	2.13E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.24E+001	2.24E+002	4.00E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.46E-001	9.10E-002	1.75E-001
U-238	NOT FOUND/DATA for	92.60 keV		-2.01E-001	1.30E+000	2.13E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.34E-001	3.96E-001	7.02E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0508-3.1
Sample Title: B6A Sanitary Line trench spoils pile sam
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.730E+002 g
Sample Taken On: 8/11/2004 11:00:00 AM
Acquisition Started: 8/11/2005 3:28:42 PM
Live Time: 600.0 seconds
Real Time: 600.1 seconds
Dead Time: 0.02 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.77E+001	3.62E+000	3.61E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.64E-002	2.57E-001	4.40E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.64E-001	3.09E-001	4.73E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			0.00E+000	0.00E+000	5.97E-002
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.63E-001	5.32E-001	1.03E+000
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.05E-001	2.89E-001	5.31E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.50E-002	3.37E-001	6.42E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.26E-001	1.42E-001	2.17E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.46E-002	1.45E-001	2.79E-001
TL-208	NOT FOUND/DATA for 583.19 keV			2.63E-001	1.49E-001	3.42E-001
PB-212	6.69E-001	2.26E-001	4.71E-001	FOUND		
BI-214	9.21E-001	9.35E-001	3.40E-001	FOUND		
PB-214	6.25E-001	2.63E-001	5.62E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.57E+000	2.34E+000	4.72E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.16E+000	6.02E-001	1.45E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.25E+001	4.65E+001	8.77E+001
PA-231	NOT FOUND/DATA for 300.02 keV			8.72E-001	3.22E+000	6.05E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.98E-002	4.77E-001	8.22E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-6.23E+000	1.74E+001	3.23E+001
TH-234	NOT FOUND/DATA for 92.60 keV			3.81E-001	1.93E+000	3.40E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.51E+002	4.11E+002	7.10E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.57E-001	1.42E-001	2.87E-001
U-238	NOT FOUND/DATA for 92.60 keV			3.81E-001	1.93E+000	3.40E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-5.89E-001	6.88E-001	1.11E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0508-46
Sample Title: B-6A IW Line Spoils Pile #6
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.827E+002 g
Sample Taken On: 8/17/2005 1:30:00 PM
Acquisition Started: 8/18/2005 12:59:45 PM
Live Time: 900.0 seconds
Real Time: 901.3 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.59E+001	9.50E+000	1.87E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.36E-002	8.09E-002	1.66E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.40E-002	9.18E-002	1.53E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		8.97E-002	1.11E-001	2.40E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.56E-001	1.93E-001	3.15E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		3.51E-002	8.32E-002	1.66E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.72E-001	2.32E-001	4.78E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.27E-002	8.45E-002	1.50E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-1.40E-002	1.04E-001	1.95E-001
TL-208	3.08E-001	1.15E-001	2.10E-001	FOUND		
PB-212	1.21E+000	5.47E-001	4.32E-001	FOUND		
BI-214	8.77E-001	7.34E-001	3.40E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		4.08E-001	2.47E-001	5.05E-001
RA-226	NOT FOUND/DATA for	186.10 keV		1.89E+000	2.15E+000	4.08E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.18E+000	5.17E-001	1.19E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-3.95E+000	3.83E+001	6.92E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.12E+000	3.48E+000	6.13E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-9.40E-002	3.86E-001	6.32E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.11E+001	1.31E+001	3.08E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.96E-001	1.78E+000	3.04E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.07E+002	3.21E+002	6.27E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.19E-001	1.30E-001	2.48E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.96E-001	1.78E+000	3.04E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.76E-002	6.18E-001	1.10E+000

Uncertainty reported at 2.0 sigma

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***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0508-52
Sample Title: B-6A IWTrench #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.953E+002 g
Sample Taken On: 8/18/2005 1:30:00 PM
Acquisition Started: 8/18/2005 3:36:33 PM
Live Time: 900.0 seconds
Real Time: 901.4 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.99E+001	5.63E+000	1.25E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.05E-002	6.04E-002	1.18E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.47E-002	7.92E-002	1.29E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		4.17E-003	9.86E-002	1.89E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		5.60E-002	1.97E-001	3.96E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-2.88E-002	9.08E-002	1.69E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.04E-001	1.86E-001	3.12E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.08E-002	6.96E-002	1.21E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.34E-002	8.66E-002	1.76E-001
TL-208	4.25E-001	1.11E-001	1.93E-001	FOUND		
PB-212	8.58E-001	1.89E-001	4.35E-001	FOUND		
BI-214	8.21E-001	2.21E-001	3.13E-001	FOUND		
PB-214	6.71E-001	2.95E-001	4.78E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.13E+000	1.80E+000	3.48E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.08E+000	4.38E-001	1.02E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.59E+000	3.20E+001	5.84E+001
PA-231	NOT FOUND/DATA for	300.02 keV		4.84E-001	2.92E+000	4.97E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-3.42E-001	4.12E-001	5.55E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.69E+001	1.63E+001	2.28E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.70E-001	1.50E+000	2.58E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.20E+002	2.63E+002	4.36E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.26E-001	1.10E-001	2.13E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.70E-001	1.50E+000	2.58E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.00E-002	5.49E-001	1.00E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS ****
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Site Location: CE Windsor
Sample ID: MAC-0508-67
Sample Title: B-6A Sanitary Trench Bottom East #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.471E+002 g
Sample Taken On: 8/22/2005 1:30:00 PM
Acquisition Started: 8/22/2005 3:19:15 PM
Live Time: 900.0 seconds
Real Time: 901.3 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.45E+001	8.66E+000	1.83E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.09E-002	8.52E-002	1.68E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.48E-002	9.02E-002	1.46E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-3.14E-002	7.09E-002	1.25E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-6.95E-002	2.30E-001	3.69E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			5.73E-003	9.08E-002	1.64E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.46E-002	2.09E-001	3.88E-001
CS-134	NOT FOUND/DATA for 604.70 keV			8.29E-003	7.26E-002	1.37E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.37E-001	8.47E-002	2.00E-001
TL-208	4.64E-001	3.76E-001	1.46E-001	FOUND		
PB-212	8.94E-001	1.95E-001	3.91E-001	FOUND		
BI-214	8.01E-001	2.39E-001	3.63E-001	FOUND		
PB-214	6.09E-001	1.81E-001	4.60E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			-2.11E-001	2.06E+000	3.65E+000
AC-228	1.10E+000	5.62E-001	6.34E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			1.34E+000	3.65E+001	6.63E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.94E+000	3.13E+000	5.60E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.53E-001	3.64E-001	6.27E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			8.53E-001	1.34E+001	2.69E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.50E+000	1.71E+000	3.15E+000
U-234	NOT FOUND/DATA for 53.20 keV			-7.02E+001	3.01E+002	5.44E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.16E-002	1.27E-001	2.28E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.50E+000	1.71E+000	3.15E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.23E-001	5.64E-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 *****
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Site Location: CE Windsor
Sample ID: MAC-0510-17
Sample Title: B-5 HW Line Spoils
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.195E+002 g
Sample Taken On: 10/4/2005 1:40:00 PM
Acquisition Started: 10/10/2005 11:36:29 AM
Live Time: 900.0 seconds
Real Time: 900.6 seconds
Dead Time: 0.07 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.26E+001	8.70E+000	1.55E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.45E-002	7.60E-002	1.50E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.24E-002	8.25E-002	1.28E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		6.73E-002	9.16E-002	2.07E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-4.20E-002	1.94E-001	3.42E-001
AG-110m	NOT FOUND/DATA for	1384.30 keV		0.00E+000	0.00E+000	1.23E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.91E-002	2.16E-001	4.06E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.94E-002	7.82E-002	1.36E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-2.06E-002	8.66E-002	1.58E-001
TL-208	4.51E-001	1.19E-001	1.67E-001	FOUND		
PB-212	1.49E+000	5.43E-001	4.23E-001	FOUND		
BI-214	7.87E-001	2.10E-001	3.20E-001	FOUND		
PB-214	6.69E-001	1.45E-001	3.75E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.36E+000	1.95E+000	3.82E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.27E-001	4.58E-001	1.03E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.81E+001	3.25E+001	6.18E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-8.30E-001	2.70E+000	4.47E+000
PA-234	NOT FOUND/DATA for	98.44 keV		3.88E-001	3.34E-001	5.89E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.16E+000	1.26E+001	2.67E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.16E-001	1.57E+000	2.65E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.20E+002	2.97E+002	5.63E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.31E-001	1.18E-001	2.26E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.16E-001	1.57E+000	2.65E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.80E-001	5.55E-001	9.62E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0510-25
Sample Title: HW Trench Pipe Break Location #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 1.049E+003 g
Sample Taken On: 10/18/2005 1:40:00 PM
Acquisition Started: 10/19/2005 9:28:21 AM
Live Time: 900.0 seconds
Real Time: 901.3 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.89E+001	6.71E+000	9.69E-001	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.19E-002	5.92E-002	1.30E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-5.69E-002	6.75E-002	1.05E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.93E-002	7.42E-002	1.61E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.54E-002	1.46E-001	2.30E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.28E-002	6.15E-002	1.08E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-7.71E-002	1.76E-001	2.94E-001
CS-134	NOT FOUND/DATA for 604.70 keV			4.70E-002	6.64E-002	1.28E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.20E-002	7.10E-002	1.39E-001
TL-208	3.24E-001	5.32E-001	1.64E-001	FOUND		
PB-212	1.03E+000	3.10E-001	3.31E-001	FOUND		
BI-214	5.61E-001	1.72E-001	2.94E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			6.80E-001	2.02E-001	4.34E-001
RA-226	NOT FOUND/DATA for 186.10 keV			2.64E-003	1.54E+000	2.70E+000
AC-228	8.06E-001	9.24E-001	3.93E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			3.48E+001	2.63E+001	5.24E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.99E+000	2.43E+000	4.26E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-8.82E-002	2.72E-001	4.45E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.83E+000	9.53E+000	2.01E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.34E+000	1.24E+000	2.24E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.26E+002	2.49E+002	4.24E+002
U-235	NOT FOUND/DATA for 185.71 keV			4.99E-002	9.30E-002	1.71E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.34E+000	1.24E+000	2.24E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.90E-001	4.50E-001	8.55E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0510-31
Sample Title: HW5-1011-6/7
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.075E+002 g
Sample Taken On: 10/19/2005 9:30:00 AM
Acquisition Started: 10/19/2005 10:25:38 AM
Live Time: 900.0 seconds
Real Time: 911.0 seconds
Dead Time: 1.21 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.32E+001	1.36E+001	2.87E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.68E-001	2.87E-001	4.70E-001
CO-57	6.74E+000	2.02E+000	2.19E+000	FOUND		
CO-60	3.29E+000	3.92E-001	4.74E-001	FOUND		
ZN-65	NOT FOUND/DATA for 1115.55 keV			3.27E-002	3.96E-001	7.26E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			-2.19E-001	3.70E-001	6.50E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.17E-001	8.70E-001	1.52E+000
CS-134	NOT FOUND/DATA for 604.70 keV			-9.46E-003	3.06E-001	5.32E-001
CS-137	1.52E+001	2.11E+000	9.71E-001	FOUND		
TL-208	NOT FOUND/DATA for 583.19 keV			5.92E-001	3.74E-001	6.89E-001
PB-212	NOT FOUND/DATA for 238.63 keV			1.59E-001	6.15E-001	1.07E+000
BI-214	8.05E-001	1.48E+000	1.10E+000	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			7.73E-001	7.28E-001	1.30E+000
RA-226	NOT FOUND/DATA for 186.10 keV			1.21E+004	6.81E+002	3.21E+001
AC-228	NOT FOUND/DATA for 911.21 keV			2.57E-001	8.21E-001	1.55E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.55E+002	4.13E+002	6.98E+002
PA-231	NOT FOUND/DATA for 300.02 keV			7.43E+000	1.16E+001	1.88E+001
PA-234	1.08E+001	4.30E+000	4.05E+000	FOUND		
PA-234M	7.52E+003	6.17E+002	1.37E+002	FOUND		
TH-234	NOT FOUND/DATA for 92.60 keV			5.00E+003	3.39E+002	4.14E+001
U-234	1.56E+004	1.11E+004	8.76E+003	FOUND		
U-235	7.26E+002	2.82E+001	1.96E+000	FOUND		
U-238	4.39E+003	2.24E+002	4.14E+001	FOUND		
AM-241	NOT FOUND/DATA for 59.54 keV			4.93E-001	6.99E+000	1.19E+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 *****
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Site Location: CE Windsor
Sample ID: MAC-0510-37
Sample Title: HW5-1011-10/11
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.255E+002 g
Sample Taken On: 10/19/2005 11:35:00 AM
Acquisition Started: 10/19/2005 1:00:49 PM
Live Time: 900.0 seconds
Real Time: 902.6 seconds
Dead Time: 0.28 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.18E+001	2.50E+000	2.35E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	-3.49E-002	1.51E-001	2.72E-001
CO-57	7.12E-001	8.59E-001	8.84E-001	FOUND		
CO-60	5.69E+000	8.78E-001	3.52E-001	FOUND		
ZN-65	NOT FOUND/DATA for		1115.55 keV	-1.12E-001	2.91E-001	5.18E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	-2.51E-001	2.05E-001	3.21E-001
SB-125	NOT FOUND/DATA for		427.89 keV	9.86E-003	4.80E-001	8.58E-001
CS-134	NOT FOUND/DATA for		604.70 keV	-1.97E-002	1.64E-001	2.93E-001
CS-137	5.33E+000	5.09E-001	5.35E-001	FOUND		
TL-208	NOT FOUND/DATA for		583.19 keV	1.86E-001	2.18E-001	4.07E-001
PB-212	9.41E-001	2.78E-001	6.69E-001	FOUND		
BI-214	NOT FOUND/DATA for		609.31 keV	2.49E-001	3.68E-001	6.95E-001
PB-214	NOT FOUND/DATA for		351.92 keV	7.93E-001	3.91E-001	7.72E-001
RA-226	NOT FOUND/DATA for		186.10 keV	1.61E+003	9.96E+001	1.94E+001
AC-228	NOT FOUND/DATA for		911.21 keV	5.71E-001	7.43E-001	1.46E+000
TH-230	NOT FOUND/DATA for		67.67 keV	-1.06E+002	1.54E+002	2.61E+002
PA-231	NOT FOUND/DATA for		300.02 keV	-5.53E+000	6.35E+000	9.34E+000
PA-234	NOT FOUND/DATA for		883.24 keV	-1.11E-001	1.16E+000	2.12E+000
PA-234M	9.54E+002	2.01E+002	8.17E+001	FOUND		
TH-234	NOT FOUND/DATA for		92.60 keV	4.78E+002	3.32E+001	1.95E+001
U-234	NOT FOUND/DATA for		53.20 keV	1.16E+003	1.30E+003	2.26E+003
U-235	9.69E+001	5.20E+000	1.18E+000	FOUND		
U-238	4.54E+002	2.83E+001	1.95E+001	FOUND		
AM-241	NOT FOUND/DATA for		59.54 keV	-1.03E+000	2.55E+000	4.34E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0510-39
Sample Title: HW MH #7 BIAS #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.999E+002 g
Sample Taken On: 10/20/2005 11:30:00 AM
Acquisition Started: 10/20/2005 11:53:18 AM
Live Time: 600.0 seconds
Real Time: 601.0 seconds
Dead Time: 0.17 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.39E+001	1.15E+001	2.41E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.58E-002	8.52E-002	1.85E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.35E-002	1.05E-001	1.80E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-1.12E-002	1.11E-001	2.11E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.07E-002	2.26E-001	4.52E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.98E-002	1.02E-001	1.62E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.45E-001	2.64E-001	5.44E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.40E-002	9.60E-002	1.80E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.24E-002	1.11E-001	2.29E-001
TL-208	2.96E-001	3.39E-001	2.14E-001	FOUND		
PB-212	9.64E-001	2.35E-001	4.92E-001	FOUND		
BI-214	7.51E-001	2.60E-001	3.44E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			6.25E-001	2.98E-001	6.37E-001
RA-226	1.81E+001	9.06E+000	5.47E+000	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			9.21E-001	5.17E-001	1.22E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.10E+001	4.29E+001	7.65E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.77E+000	3.60E+000	6.54E+000
PA-234	NOT FOUND/DATA for 131.20 keV			1.82E-001	4.57E-001	7.85E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.56E+000	2.17E+001	4.26E+001
TH-234	NOT FOUND/DATA for 92.60 keV			4.75E+000	2.48E+000	4.66E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.92E+002	4.11E+002	7.70E+002
U-235	1.10E+000	5.52E-001	3.33E-001	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			4.75E+000	2.47E+000	4.66E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.61E-001	7.30E-001	1.31E+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 *****
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Site Location: CE Windsor
Sample ID: MAC-0510-64
Sample Title: HW Trench HW5-1011 VSP#20
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.749E+002 g
Sample Taken On: 10/20/2005 3:59:00 PM
Acquisition Started: 10/25/2005 3:50:24 PM
Live Time: 600.0 seconds
Real Time: 600.8 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.46E+001	1.40E+001	2.36E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.55E-002	1.14E-001	2.15E-001
CO-57	NOT FOUND/DATA for 122.06 keV			4.16E-002	1.39E-001	2.40E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-1.02E-001	1.49E-001	2.24E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-3.22E-002	3.72E-001	7.00E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			7.41E-003	1.51E-001	2.85E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.50E-001	3.56E-001	5.85E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-6.00E-002	1.36E-001	2.43E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.07E-001	1.64E-001	3.48E-001
TL-208	3.60E-001	1.57E-001	2.20E-001	FOUND		
PB-212	1.12E+000	4.81E-001	6.30E-001	FOUND		
BI-214	1.02E+000	7.87E-001	6.15E-001	FOUND		
PB-214	1.08E+000	3.60E-001	6.10E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.58E-002	3.10E+000	5.63E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.29E+000	6.93E-001	1.67E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.24E+001	4.82E+001	9.34E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.22E+000	4.40E+000	8.09E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.39E-001	6.08E-001	9.67E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.30E+001	2.59E+001	4.44E+001
TH-234	NOT FOUND/DATA for 92.60 keV			8.07E-001	2.48E+000	4.33E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.22E+001	4.40E+002	8.31E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.25E-001	1.85E-001	3.55E-001
U-238	NOT FOUND/DATA for 92.60 keV			8.07E-001	2.48E+000	4.33E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.14E-001	8.05E-001	1.52E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0510-69
Sample Title: HW Trench HW5-1011 VSP#25
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.617E+002 g
Sample Taken On: 10/20/2005 3:49:00 PM
Acquisition Started: 10/25/2005 5:09:22 PM
Live Time: 600.0 seconds
Real Time: 600.8 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.07E+001	1.08E+001	2.79E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.04E-002	9.64E-002	2.01E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.57E-002	1.15E-001	2.04E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.29E-002	1.09E-001	2.37E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.88E-001	4.12E-001	4.20E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-7.86E-002	1.10E-001	1.91E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.35E-001	2.93E-001	4.89E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.48E-002	1.01E-001	1.78E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-8.83E-002	1.28E-001	1.81E-001
TL-208	2.44E-001	1.25E-001	1.94E-001	FOUND		
PB-212	9.95E-001	3.93E-001	5.29E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		7.95E-001	3.47E-001	7.96E-001
PB-214	9.94E-001	9.70E-001	4.40E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.02E+000	2.48E+000	4.71E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.53E+000	7.22E-001	1.69E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-3.74E+001	4.80E+001	7.34E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.37E+000	4.32E+000	7.70E+000
PA-234	NOT FOUND/DATA for	883.24 keV		-2.70E-001	5.73E-001	9.11E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.28E+001	1.98E+001	3.29E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-1.45E-001	2.17E+000	3.70E+000
U-234	NOT FOUND/DATA for	53.20 keV		-7.06E+001	4.19E+002	7.61E+002
U-235	NOT FOUND/DATA for	185.71 keV		-2.43E-002	1.47E-001	2.63E-001
U-238	NOT FOUND/DATA for	92.60 keV		-1.45E-001	2.17E+000	3.70E+000
AM-241	NOT FOUND/DATA for	59.54 keV		5.98E-001	7.26E-001	1.48E+000

Uncertainty reported at 2.0 sigma

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**** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-510-75
Sample Title: HW Trench HW5-1011 VSP#31
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.025E+002 g
Sample Taken On: 10/20/2005 3:39:00 PM
Acquisition Started: 10/26/2005 11:09:20 AM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.07E+001	4.22E+000	3.86E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.14E-002	1.39E-001	2.62E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-7.43E-002	1.26E-001	2.04E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		1.35E-001	1.38E-001	3.31E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-8.17E-002	2.66E-001	4.62E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-9.61E-002	1.25E-001	1.81E-001
SB-125	NOT FOUND/DATA for	427.89 keV		4.11E-002	3.38E-001	6.57E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.90E-002	1.31E-001	2.15E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.35E-001	1.83E-001	3.93E-001
TL-208	NOT FOUND/DATA for	583.19 keV		5.82E-001	2.10E-001	4.90E-001
PB-212	1.10E+000	2.88E-001	5.51E-001	FOUND		
BI-214	8.93E-001	3.33E-001	6.86E-001	FOUND		
PB-214	9.53E-001	4.39E-001	5.20E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		4.68E+000	2.99E+000	6.06E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.83E+000	8.13E-001	1.91E+000
TH-230	NOT FOUND/DATA for	67.67 keV		3.02E+001	4.66E+001	9.30E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.31E+000	3.64E+000	6.90E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-3.37E-001	5.31E-001	7.65E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		7.14E+000	2.21E+001	4.77E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.74E+000	2.24E+000	4.29E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.87E+002	4.32E+002	7.63E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.83E-001	1.80E-001	3.68E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.74E+000	2.24E+000	4.29E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-9.08E-001	8.44E-001	1.30E+000

Uncertainty reported at 2.0 sigma

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

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Site Location: CE Windsor
Sample ID: MAC-510-79
Sample Title: HW Trench HW5-1011 VSP#35
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.535E+002 g
Sample Taken On: 10/20/2005 3:26:00 PM
Acquisition Started: 10/26/2005 12:10:35 PM
Live Time: 600.0 seconds
Real Time: 600.9 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.24E+001	1.67E+001	3.19E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.41E-002	1.13E-001	2.52E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.77E-003	1.24E-001	2.10E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.88E-002	1.23E-001	2.82E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.14E-001	2.52E-001	5.32E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		3.99E-002	1.17E-001	2.31E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.16E-001	2.71E-001	5.89E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.06E-001	1.22E-001	1.98E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.11E-002	1.49E-001	3.06E-001
TL-208	4.31E-001	1.63E-001	2.81E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		8.34E-001	3.10E-001	6.42E-001
BI-214	NOT FOUND/DATA for	609.31 keV		8.57E-001	4.07E-001	8.91E-001
PB-214	4.90E-001	2.57E-001	4.99E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.61E+000	2.81E+000	5.46E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.26E-001	5.77E-001	1.38E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.36E+001	5.23E+001	9.78E+001
PA-231	NOT FOUND/DATA for	302.65 keV		-1.15E+001	8.88E+000	8.52E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.91E-001	4.54E-001	7.43E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.25E+001	2.17E+001	4.83E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.56E+000	2.39E+000	4.28E+000
U-234	NOT FOUND/DATA for	53.20 keV		4.17E+002	4.57E+002	9.00E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.36E-001	1.72E-001	3.32E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.56E+000	2.39E+000	4.28E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-5.44E-001	8.25E-001	1.41E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0510-81
Sample Title: HW Trench Pipe Break Location #9
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.608E+002 g
Sample Taken On: 10/20/2005 7:30:00 AM
Acquisition Started: 10/24/2005 11:57:35 AM
Live Time: 900.0 seconds
Real Time: 901.2 seconds
Dead Time: 0.14 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.31E+001	8.26E+000	2.12E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.94E-002	8.69E-002	1.66E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-6.52E-002	8.61E-002	1.37E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			2.61E-002	9.19E-002	1.90E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.29E-001	1.48E-001	2.17E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.30E-002	8.19E-002	1.41E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.15E-002	1.91E-001	3.56E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.86E-002	8.14E-002	1.46E-001
CS-137	NOT FOUND/DATA for 661.66 keV			8.64E-002	9.71E-002	2.04E-001
TL-208	NOT FOUND/DATA for 583.19 keV			2.94E-001	1.23E-001	2.73E-001
PB-212	2.16E+000	2.88E-001	4.27E-001	FOUND		
BI-214	5.69E-001	6.82E-001	3.41E-001	FOUND		
PB-214	5.77E-001	1.96E-001	3.71E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.98E+000	2.02E+000	3.92E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.09E-001	4.95E-001	1.09E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.75E+001	3.69E+001	7.17E+001
PA-231	NOT FOUND/DATA for 300.02 keV			6.27E-001	2.90E+000	5.14E+000
PA-234	NOT FOUND/DATA for 98.44 keV			5.30E-002	3.26E-001	5.55E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.71E+000	1.41E+001	2.77E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.90E+000	1.59E+000	2.91E+000
U-234	NOT FOUND/DATA for 53.20 keV			-5.71E+000	2.95E+002	5.34E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.27E-001	1.20E-001	2.28E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.90E+000	1.59E+000	2.91E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-3.59E-001	5.72E-001	9.73E-001

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0510-83
Sample Title: HW Trench Pipe Break Location #11
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.345E+002 g
Sample Taken On: 10/20/2005 7:30:00 AM
Acquisition Started: 10/24/2005 12:41:45 PM
Live Time: 900.0 seconds
Real Time: 901.1 seconds
Dead Time: 0.12 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.21E+001	2.96E+000	1.42E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-3.43E-002	7.83E-002	1.37E-001
CO-57	NOT FOUND/DATA for 122.06 keV			4.55E-002	7.52E-002	1.32E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.64E-002	8.41E-002	1.82E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-6.03E-002	1.85E-001	3.21E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-2.98E-002	7.40E-002	1.33E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-9.35E-002	2.23E-001	3.56E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-6.65E-002	8.38E-002	1.33E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.83E-002	8.91E-002	1.64E-001
TL-208	2.41E-001	9.51E-002	1.61E-001	FOUND		
PB-212	1.04E+000	4.57E-001	3.22E-001	FOUND		
BI-214	9.25E-001	4.85E-001	3.38E-001	FOUND		
PB-214	6.62E-001	2.03E-001	3.41E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			9.95E-001	1.91E+000	3.51E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.43E-001	4.60E-001	1.03E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-2.47E+001	3.23E+001	5.51E+001
PA-231	NOT FOUND/DATA for 300.02 keV			9.65E-001	2.74E+000	4.88E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.34E-001	3.19E-001	5.18E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.20E+000	1.50E+001	2.91E+001
TH-234	NOT FOUND/DATA for 92.60 keV			5.78E-001	1.44E+000	2.50E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.73E+002	2.98E+002	5.66E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.70E-002	1.14E-001	2.06E-001
U-238	NOT FOUND/DATA for 92.60 keV			5.78E-001	1.44E+000	2.50E+000
AM-241	NOT FOUND/DATA for 59.54 keV			5.44E-001	5.29E-001	1.04E+000

Uncertainty reported at 2.0 sigma

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**** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0510-88
Sample Title: HW Trench Pipe Break Location #16
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.717E+002 g
Sample Taken On: 10/20/2005 7:30:00 AM
Acquisition Started: 10/24/2005 2:31:25 PM
Live Time: 900.0 seconds
Real Time: 901.1 seconds
Dead Time: 0.13 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.13E+001	6.64E+000	1.75E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.55E-002	7.16E-002	1.45E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.84E-002	7.30E-002	1.19E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			9.98E-003	6.41E-002	1.41E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-7.99E-003	1.41E-001	2.80E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-9.58E-003	6.99E-002	1.31E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.69E-002	1.98E-001	3.75E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.62E-003	7.41E-002	1.39E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.14E-002	7.50E-002	1.40E-001
TL-208	1.86E-001	8.31E-002	1.51E-001	FOUND		
PB-212	7.49E-001	1.74E-001	3.69E-001	FOUND		
BI-214	5.51E-001	1.96E-001	3.38E-001	FOUND		
PB-214	6.88E-001	1.57E-001	3.05E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.28E+000	1.66E+000	3.12E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.93E-001	4.04E-001	9.43E-001
TH-230	NOT FOUND/DATA for 67.67 keV			-5.25E+000	2.97E+001	5.23E+001
PA-231	NOT FOUND/DATA for 300.02 keV			4.21E-001	2.56E+000	4.54E+000
PA-234	NOT FOUND/DATA for 131.20 keV			2.67E-002	2.94E-001	4.98E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-4.46E+000	1.33E+001	2.31E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.18E+000	1.29E+000	2.34E+000
U-234	NOT FOUND/DATA for 53.20 keV			4.74E+001	2.47E+002	4.66E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.63E-002	1.03E-001	1.95E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.18E+000	1.29E+000	2.34E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.72E-001	4.68E-001	8.30E-001

Uncertainty reported at 2.0 sigma

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**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0510-89
Sample Title: HW Trench Pipe Break Location #17
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.919E+002 g
Sample Taken On: 10/20/2005 7:30:00 AM
Acquisition Started: 10/24/2005 2:51:35 PM
Live Time: 900.0 seconds
Real Time: 901.3 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.20E+001	6.28E+000	1.94E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.38E-003	6.17E-002	1.26E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.22E-003	8.51E-002	1.42E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.13E-002	7.51E-002	1.74E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.85E-001	2.10E-001	2.92E-001
AG-110m	NOT FOUND/DATA for	1384.30 keV		0.00E+000	0.00E+000	1.27E-001
SB-125	NOT FOUND/DATA for	427.89 keV		9.98E-002	1.89E-001	3.83E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.69E-003	7.36E-002	1.40E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-9.33E-003	9.26E-002	1.72E-001
TL-208	2.69E-001	4.59E-001	1.70E-001	FOUND		
PB-212	7.08E-001	1.74E-001	3.87E-001	FOUND		
BI-214	8.76E-001	2.28E-001	3.39E-001	FOUND		
PB-214	7.11E-001	1.80E-001	4.17E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.49E+000	1.91E+000	3.70E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.29E+000	5.08E-001	1.16E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.27E+001	3.23E+001	5.49E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-8.24E-002	3.24E+000	5.56E+000
PA-234	NOT FOUND/DATA for	98.44 keV		3.25E-002	3.32E-001	5.61E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.72E+000	1.32E+001	2.42E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.58E-001	1.56E+000	2.68E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.61E+002	2.89E+002	5.57E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.61E-002	1.19E-001	2.14E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.58E-001	1.56E+000	2.68E+000
AM-241	NOT FOUND/DATA for	59.54 keV		6.32E-002	5.42E-001	1.01E+000

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0511-6
Sample Title: Industrial Waste Line I-21
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.834E+002 g
Sample Taken On: 11/2/2005 12:00:00 PM
Acquisition Started: 11/2/2005 12:00:32 PM
Live Time: 900.0 seconds
Real Time: 901.6 seconds
Dead Time: 0.18 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.26E+001	7.53E+000	2.30E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.59E-002	7.57E-002	1.55E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.25E-003	8.62E-002	1.44E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.02E-002	8.37E-002	1.85E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.45E-002	1.90E-001	3.23E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.68E-002	6.93E-002	1.26E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.35E-001	1.90E-001	3.17E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.66E-002	9.21E-002	1.63E-001
CS-137	NOT FOUND/DATA for	661.66 keV		6.43E-002	9.42E-002	1.94E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.36E-001	1.28E-001	2.69E-001
PB-212	8.50E-001	1.88E-001	4.09E-001	FOUND		
BI-214	6.27E-001	6.98E-001	3.46E-001	FOUND		
PB-214	8.64E-001	7.37E-001	3.66E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.70E+000	1.88E+000	3.65E+000
AC-228	1.02E+000	3.15E-001	5.85E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.93E+000	3.14E+001	5.72E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.46E+000	2.94E+000	5.24E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.29E-001	3.56E-001	5.64E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-7.32E+000	1.44E+001	2.45E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.11E-001	1.53E+000	2.65E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.82E+002	3.22E+002	5.18E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.25E-001	1.13E-001	2.17E-001
U-238	NOT FOUND/DATA for	92.60 keV		6.11E-001	1.53E+000	2.65E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.94E-002	5.03E-001	9.34E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0511-09
Sample Title: IW Waste Line Sludge
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.597E+002 g
Sample Taken On: 11/3/2005 11:30:00 AM
Acquisition Started: 11/3/2005 12:08:28 PM
Live Time: 1600.0 seconds
Real Time: 1602.5 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	1.67E+001	2.10E+000	1.37E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.20E-002	5.56E-002	9.82E-002
CO-57	NOT FOUND/DATA for	122.06 keV		3.09E-002	7.28E-002	1.22E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.07E-002	6.01E-002	1.29E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.22E-001	1.22E-001	1.78E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.36E-002	5.21E-002	1.01E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-6.51E-002	1.45E-001	2.53E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.64E-002	5.53E-002	9.30E-002
CS-137	NOT FOUND/DATA for	661.66 keV		6.78E-002	6.53E-002	1.34E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.35E-001	8.16E-002	1.79E-001
PB-212	4.76E-001	1.18E-001	2.91E-001	FOUND		
BI-214	1.07E+000	1.76E-001	2.29E-001	FOUND		
PB-214	4.85E-001	2.96E-001	3.31E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		5.18E+001	8.33E+000	4.46E+000
AC-228	6.11E-001	6.70E-001	3.72E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.03E+001	2.57E+001	4.43E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.11E-001	2.18E+000	3.70E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.88E-001	2.99E-001	4.71E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.14E+000	8.59E+000	1.80E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.99E+000	1.42E+000	2.48E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.70E+002	2.35E+002	4.38E+002
U-235	3.04E+000	4.15E-001	2.71E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		1.99E+000	1.42E+000	2.48E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.32E-001	4.27E-001	8.03E-001

Uncertainty reported at 2.0 sigma

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***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0511-13
Sample Title: IW trench bottom
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.962E+002 g
Sample Taken On: 11/7/2005 11:05:00 AM
Acquisition Started: 11/7/2005 11:40:48 AM
Live Time: 1800.0 seconds
Real Time: 1802.8 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.19E+001	5.16E+000	1.67E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	1.10E-002	5.27E-002	9.59E-002
CO-57	NOT FOUND/DATA for		122.06 keV	-1.23E-002	5.60E-002	9.10E-002
CO-60	NOT FOUND/DATA for		1332.50 keV	1.25E-002	4.79E-002	9.89E-002
ZN-65	NOT FOUND/DATA for		1115.55 keV	-1.36E-001	1.13E-001	1.73E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	8.20E-003	4.92E-002	9.20E-002
SB-125	NOT FOUND/DATA for		427.89 keV	-1.37E-001	1.47E-001	2.40E-001
CS-134	NOT FOUND/DATA for		604.70 keV	1.15E-003	5.02E-002	9.11E-002
CS-137	NOT FOUND/DATA for		661.66 keV	1.98E-002	6.44E-002	1.21E-001
TL-208	2.72E-001	6.71E-002	1.10E-001	FOUND		
PB-212	5.79E-001	1.11E-001	2.32E-001	FOUND		
BI-214	7.00E-001	1.38E-001	2.22E-001	FOUND		
PB-214	4.80E-001	1.07E-001	2.78E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	1.88E+000	1.31E+000	2.46E+000
AC-228	8.22E-001	2.10E-001	4.16E-001	FOUND		
TH-230	NOT FOUND/DATA for		67.67 keV	7.27E+000	2.08E+001	3.83E+001
PA-231	NOT FOUND/DATA for		300.02 keV	1.14E-002	1.83E+000	3.14E+000
PA-234	NOT FOUND/DATA for		98.44 keV	2.76E-002	2.18E-001	3.67E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	-4.41E+000	8.39E+000	1.43E+001
TH-234	NOT FOUND/DATA for		92.60 keV	-9.76E-002	9.70E-001	1.61E+000
U-234	NOT FOUND/DATA for		53.20 keV	-5.10E+001	1.78E+002	3.13E+002
U-235	NOT FOUND/DATA for		185.71 keV	5.04E-002	7.87E-002	1.43E-001
U-238	NOT FOUND/DATA for		92.60 keV	-9.76E-002	9.70E-001	1.61E+000
AM-241	NOT FOUND/DATA for		59.54 keV	-2.28E-002	3.69E-001	6.30E-001

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0511-23
Sample Title: Storm Line Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.942E+002 g
Sample Taken On: 11/18/2005 9:55:00 AM
Acquisition Started: 11/18/2005 11:29:47 AM
Live Time: 900.0 seconds
Real Time: 901.4 seconds
Dead Time: 0.15 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.44E+001	1.04E+001	1.57E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.45E-002	8.70E-002	1.56E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.48E-002	9.17E-002	1.51E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.71E-002	9.39E-002	1.76E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-4.65E-002	2.13E-001	3.97E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-7.81E-002	9.03E-002	1.31E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.06E-001	2.12E-001	3.57E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.00E-002	7.97E-002	1.34E-001
CS-137	NOT FOUND/DATA for	661.66 keV		0.00E+000	8.85E-002	1.71E-001
TL-208	2.82E-001	1.38E-001	2.07E-001	FOUND		
PB-212	9.28E-001	2.50E-001	4.06E-001	FOUND		
BI-214	5.58E-001	5.84E-001	4.08E-001	FOUND		
PB-214	7.75E-001	9.05E-001	4.30E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.14E+000	1.91E+000	3.60E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.10E-001	4.68E-001	1.08E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-7.91E+000	3.44E+001	6.01E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.73E+000	3.15E+000	4.69E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.46E-001	3.75E-001	5.95E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.40E+000	1.77E+001	3.39E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.10E-001	1.56E+000	2.77E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.75E+002	3.11E+002	5.98E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.71E-002	1.17E-001	2.13E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.10E-001	1.56E+000	2.77E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-6.07E-001	5.50E-001	8.97E-001

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0511-25
Sample Title: Excavator 790 ELC
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.030E+002 g
Sample Taken On: 11/18/2005 12:50:00 PM
Acquisition Started: 11/18/2005 12:52:56 PM
Live Time: 3600.0 seconds
Real Time: 3605.6 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

Nuclide Name	IDENTIFIED RADIONUCLIDES Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	UNIDENTIFIED RADIONUCLIDES Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.18E+001	3.40E+000	9.53E-001	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.73E-002	3.59E-002	7.27E-002
CO-57	NOT FOUND/DATA for	122.06 keV		7.37E-004	3.93E-002	6.46E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		3.93E-002	3.70E-002	7.85E-002
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.44E-002	8.79E-002	1.52E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.43E-002	3.65E-002	6.26E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-5.23E-003	9.89E-002	1.75E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.12E-002	3.80E-002	6.39E-002
CS-137	NOT FOUND/DATA for	661.66 keV		8.89E-002	4.56E-002	9.19E-002
TL-208	3.50E-001	1.61E-001	9.28E-002	FOUND		
PB-212	8.32E-001	1.06E-001	1.98E-001	FOUND		
BI-214	8.95E-001	1.80E-001	1.93E-001	FOUND		
PB-214	6.25E-001	2.82E-001	2.10E-001	FOUND		
RA-226	1.29E+000	1.59E+000	2.17E+000	FOUND		
AC-228	1.14E+000	2.38E-001	3.24E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		6.57E+000	1.62E+001	2.90E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.83E+000	1.60E+000	2.50E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-6.94E-002	1.68E-001	2.70E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.92E+000	6.43E+000	1.26E+001
TH-234	1.75E+000	5.62E-001	1.40E+000	FOUND		
U-234	NOT FOUND/DATA for	53.20 keV		-3.68E+001	1.44E+002	2.47E+002
U-235	7.83E-002	9.70E-002	1.32E-001	FOUND		
U-238	1.75E+000	5.60E-001	1.40E+000	FOUND		
AM-241	NOT FOUND/DATA for	59.54 keV		1.19E-001	2.65E-001	4.76E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0511-26
Sample Title: Sample from Under Manhole
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.355E+002 g
Sample Taken On: 11/18/2005 1:15:00 PM
Acquisition Started: 11/21/2005 9:26:01 AM
Live Time: 900.0 seconds
Real Time: 901.4 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.01E+001	8.03E+000	1.78E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-4.69E-003	6.17E-002	1.19E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.38E-002	7.16E-002	1.17E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.21E-001	8.79E-002	2.16E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		7.98E-002	1.56E-001	3.32E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		6.20E-003	5.67E-002	1.14E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.41E-001	1.86E-001	3.15E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-1.02E-001	8.93E-002	1.11E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.81E-002	8.47E-002	1.71E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.85E-001	1.13E-001	2.52E-001
PB-212	8.51E-001	5.10E-001	3.87E-001	FOUND		
BI-214	9.32E-001	5.75E-001	2.70E-001	FOUND		
PB-214	7.16E-001	1.85E-001	3.07E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		-6.07E-002	1.68E+000	3.01E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.32E-001	4.34E-001	9.84E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-7.70E+000	3.01E+001	5.36E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.10E+000	2.59E+000	4.64E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-3.59E-001	3.91E-001	4.94E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.49E+000	1.24E+001	2.72E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.27E+000	1.47E+000	2.63E+000
U-234	NOT FOUND/DATA for	53.20 keV		-6.54E+001	2.58E+002	4.64E+002
U-235	NOT FOUND/DATA for	185.71 keV		-7.40E-002	1.03E-001	1.75E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.27E+000	1.47E+000	2.63E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.28E-001	4.77E-001	8.14E-001

Uncertainty reported at 2.0 sigma

****
**** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0512-07
Sample Title: B5 Industrial Waste Line
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.201E+002 g
Sample Taken On: 12/5/2005 3:00:00 PM
Acquisition Started: 12/6/2005 9:43:29 AM
Live Time: 900.0 seconds
Real Time: 901.5 seconds
Dead Time: 0.16 %
Efficiency ID: srs035

	IDENTIFIED RADIONUCLIDES			UNIDENTIFIED RADIONUCLIDES		
Nuclide Name	Nuclide Activity (pCi/g)	Activity Uncert. (pCi/g)	Nuclide MDA (pCi/g)	Line Activity (pCi/g)	Line Act Uncert. (pCi/g)	Line MDA (pCi/g)
K-40	2.27E+001	3.06E+000	2.00E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	9.92E-003	8.10E-002	1.58E-001
CO-57	NOT FOUND/DATA for		122.06 keV	-9.14E-003	7.86E-002	1.31E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	1.57E-003	7.03E-002	1.49E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-2.00E-001	1.86E-001	2.43E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	1.46E-002	7.56E-002	1.42E-001
SB-125	NOT FOUND/DATA for		427.89 keV	1.07E-001	2.17E-001	4.18E-001
CS-134	NOT FOUND/DATA for		604.70 keV	3.16E-002	5.96E-002	1.25E-001
CS-137	NOT FOUND/DATA for		661.66 keV	1.07E-001	8.35E-002	1.86E-001
TL-208	1.58E-001	8.92E-002	1.76E-001	FOUND		
PB-212	NOT FOUND/DATA for		238.63 keV	8.19E-001	2.08E-001	4.29E-001
BI-214	5.58E-001	2.02E-001	3.36E-001	FOUND		
PB-214	7.88E-001	1.90E-001	3.97E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	1.44E+000	1.85E+000	3.47E+000
AC-228	6.78E-001	2.63E-001	6.05E-001	FOUND		
TH-230	NOT FOUND/DATA for		67.67 keV	3.53E+000	3.27E+001	6.00E+001
PA-231	NOT FOUND/DATA for		300.02 keV	7.35E-001	2.82E+000	4.96E+000
PA-234	NOT FOUND/DATA for		98.44 keV	-4.37E-002	3.09E-001	5.18E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	-9.20E-002	1.43E+001	2.77E+001
TH-234	NOT FOUND/DATA for		92.60 keV	2.99E-001	1.54E+000	2.63E+000
U-234	NOT FOUND/DATA for		53.20 keV	1.63E+002	2.76E+002	5.27E+002
U-235	NOT FOUND/DATA for		185.71 keV	9.60E-002	1.10E-001	2.09E-001
U-238	NOT FOUND/DATA for		92.60 keV	2.99E-001	1.54E+000	2.63E+000
AM-241	NOT FOUND/DATA for		59.54 keV	-3.06E-002	5.19E-001	9.42E-001

Uncertainty reported at 2.0 sigma

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-03
Sample ID: 152807006
Matrix: Soil
Collect Date: 31-OCT-05 08:25
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.06	+/-0.107	0.0626	0.800	pCi/g		MJH1 01/05/06	2135	491298	1
Americium-241	U	-0.00883	+/-0.0719	0.115	0.200	pCi/g					
Antimony-124	U	0.0197	+/-0.0403	0.0657	0.100	pCi/g					
Antimony-125	U	0.00242	+/-0.028	0.050	0.200	pCi/g					
Barium-133	U	-0.113	+/-0.0157	0.0228	0.100	pCi/g					
Barium-140	U	0.343	+/-1.24	2.20	0.500	pCi/g					
Beryllium-7	U	0.161	+/-0.202	0.326	0.700	pCi/g					
Bismuth-212		0.642	+/-0.201	0.150	0.500	pCi/g					
Bismuth-214		0.719	+/-0.061	0.0363	0.200	pCi/g					
Cerium-139	U	-0.00409	+/-0.0128	0.0227	0.050	pCi/g					
Cerium-141	U	0.0403	+/-0.072	0.111	0.100	pCi/g					
Cerium-144	U	-0.0394	+/-0.0745	0.134	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0224	0.0265	0.100	pCi/g					
Cesium-136	U	-0.308	+/-0.472	0.793	0.300	pCi/g					
Cesium-137		0.0405	+/-0.016	0.0194	0.100	pCi/g					
Chromium-51	U	0.218	+/-0.426	0.738	0.600	pCi/g					
Cobalt-56	U	-0.0202	+/-0.0187	0.0316	0.100	pCi/g					
Cobalt-57	U	-8.240E-05	+/-0.00949	0.0174	0.050	pCi/g					
Cobalt-58	U	-0.00929	+/-0.018	0.0313	0.100	pCi/g					
Cobalt-60	U	-0.00444	+/-0.0116	0.0192	0.100	pCi/g					
Europium-152	U	-0.00761	+/-0.0285	0.0514	0.200	pCi/g					
Europium-154	U	0.00502	+/-0.0408	0.0605	0.500	pCi/g					
Europium-155	U	0.0413	+/-0.0366	0.0678	0.500	pCi/g					
Iridium-192	U	-0.00459	+/-0.0178	0.030	0.100	pCi/g					
Iron-59	U	-0.0507	+/-0.0584	0.0964	0.300	pCi/g					
Lead-210	U	0.894	+/-2.25	3.73	4.00	pCi/g					
Lead-212		1.12	+/-0.0431	0.0359	0.100	pCi/g					
Lead-214		0.799	+/-0.0526	0.0358	0.100	pCi/g					
Manganese-54	U	0.0186	+/-0.0163	0.0217	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.0426	0.0453	0.100	pCi/g					
Neodymium-147	U	-0.998	+/-4.30	7.46	1000	pCi/g					
Neptunium-239	U	0.0137	+/-0.0624	0.116	2.00	pCi/g					
Niobium-94	U	0.00743	+/-0.0105	0.0183	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-0.0641	0.0775	0.050	pCi/g					
Potassium-40		16.7	+/-0.543	0.170	1.00	pCi/g					
Promethium-144	U	0.0062	+/-0.0119	0.0206	0.080	pCi/g					
Promethium-146	U	0.00512	+/-0.0132	0.0237	1.00	pCi/g					
Radium-228		1.06	+/-0.107	0.0626	0.500	pCi/g					
Ruthenium-106	U	-0.0356	+/-0.107	0.182	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-03
Sample ID: 152807006

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.0134	+/-0.013	0.0207	0.080	pCi/g					
Sodium-22	U	0.00178	+/-0.015	0.0222	0.080	pCi/g					
Thallium-208		0.340	+/-0.0312	0.0194	0.080	pCi/g					
Thorium-230		0.719	+/-0.061	0.0363	1.00	pCi/g					
Thorium-234		1.76	+/-0.766	0.931	2.00	pCi/g					
Tin-113	U	-0.007	+/-0.0177	0.0314	0.100	pCi/g					
Uranium-235	U	0.0596	+/-0.106	0.130	0.500	pCi/g					
Uranium-238		1.76	+/-0.766	0.931	1.00	pCi/g					
Yttrium-88	U	-0.00223	+/-0.0141	0.0243	0.100	pCi/g					
Zinc-65	U	0.0327	+/-0.0349	0.0549	0.300	pCi/g					
Zirconium-95	U	0.0139	+/-0.0356	0.0647	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-08
Sample ID: 152807005
Matrix: Soil
Collect Date: 31-OCT-05 09:50
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.25	+/-0.207	0.122	0.800	pCi/g		MJH1 01/05/06	2134	491298	1
Americium-241	U	0.042	+/-0.0483	0.0535	0.200	pCi/g					
Antimony-124	U	-0.0209	+/-0.0587	0.101	0.100	pCi/g					
Antimony-125	U	0.0714	+/-0.0544	0.0974	0.200	pCi/g					
Barium-133	U	0.0272	+/-0.0258	0.0405	0.100	pCi/g					
Barium-140	U	-0.877	+/-2.33	3.89	0.500	pCi/g					
Beryllium-7	U	0.474	+/-0.488	0.556	0.700	pCi/g					
Bismuth-212		0.545	+/-0.322	0.303	0.500	pCi/g					
Bismuth-214		0.897	+/-0.126	0.0642	0.200	pCi/g					
Cerium-139	U	0.00621	+/-0.0204	0.0344	0.050	pCi/g					
Cerium-141	U	0.0863	+/-0.0964	0.165	0.100	pCi/g					
Cerium-144	U	-0.0348	+/-0.121	0.203	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.037	0.0471	0.100	pCi/g					
Cesium-136	U	-0.465	+/-0.790	1.33	0.300	pCi/g					
Cesium-137	U	0.00	+/-0.0657	0.0337	0.100	pCi/g					
Chromium-51	U	-0.117	+/-0.729	1.26	0.600	pCi/g					
Cobalt-56	U	-0.00618	+/-0.0347	0.0603	0.100	pCi/g					
Cobalt-57	U	0.0022	+/-0.0141	0.0239	0.050	pCi/g					
Cobalt-58	U	-0.0221	+/-0.0359	0.0583	0.100	pCi/g					
Cobalt-60	U	-0.00403	+/-0.0214	0.0366	0.100	pCi/g					
Europium-152	U	0.0042	+/-0.0591	0.0892	0.200	pCi/g					
Europium-154	U	-0.0404	+/-0.0664	0.110	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.0673	0.0827	0.500	pCi/g					
Iridium-192	U	0.0295	+/-0.0295	0.0527	0.100	pCi/g					
Iron-59	U	0.0774	+/-0.108	0.195	0.300	pCi/g					
Lead-210		1.58	+/-0.575	0.460	4.00	pCi/g					
Lead-212		1.39	+/-0.157	0.053	0.100	pCi/g					
Lead-214		1.07	+/-0.128	0.0628	0.100	pCi/g					
Manganese-54	UUI	0.00	+/-0.0293	0.0365	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.0637	0.0765	0.100	pCi/g					
Neodymium-147	U	5.84	+/-8.13	14.3	1000	pCi/g					
Neptunium-239	U	0.0611	+/-0.0908	0.156	2.00	pCi/g					
Niobium-94	U	-0.0119	+/-0.0193	0.0315	1.00	pCi/g					
Niobium-95	U	0.0596	+/-0.0852	0.130	0.050	pCi/g					
Potassium-40		15.3	+/-1.19	0.291	1.00	pCi/g					
Promethium-144	U	0.0105	+/-0.0225	0.0387	0.080	pCi/g					
Promethium-146	U	0.000691	+/-0.0258	0.0443	1.00	pCi/g					
Radium-228		1.25	+/-0.207	0.122	0.500	pCi/g					
Ruthenium-106	U	0.0206	+/-0.197	0.337	0.800	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-08
Sample ID: 152807005

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.00317	+/-0.0263	0.0381	0.080	pCi/g					
Sodium-22	U	-0.0148	+/-0.0244	0.0405	0.080	pCi/g					
Thallium-208		0.470	+/-0.0689	0.0362	0.080	pCi/g					
Thorium-230		0.896	+/-0.126	0.0642	1.00	pCi/g					
Thorium-234		0.924	+/-0.486	0.501	2.00	pCi/g					
Tin-113	U	-0.0165	+/-0.0334	0.0567	0.100	pCi/g					
Uranium-235	U	0.0934	+/-0.108	0.183	0.500	pCi/g					
Uranium-238		0.924	+/-0.486	0.501	1.00	pCi/g					
Yttrium-88	U	-0.0223	+/-0.0242	0.0398	0.100	pCi/g					
Zinc-65	U	0.00743	+/-0.0622	0.0937	0.300	pCi/g					
Zirconium-95	U	0.0376	+/-0.0797	0.120	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-10
Sample ID: 152807014
Matrix: Soil
Collect Date: 27-OCT-05 11:30
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.918	+/-0.138	0.0943	0.800	pCi/g		MJH1 01/06/06	0704	491298	1
Americium-241	U	0.0431	+/-0.104	0.153	0.200	pCi/g					
Antimony-124	U	0.0636	+/-0.0527	0.099	0.100	pCi/g					
Antimony-125	U	0.00309	+/-0.0369	0.067	0.200	pCi/g					
Barium-133	U	-0.00452	+/-0.0189	0.0302	0.100	pCi/g					
Barium-140	U	-0.488	+/-2.12	3.71	0.500	pCi/g					
Beryllium-7	U	-0.0107	+/-0.253	0.454	0.700	pCi/g					
Bismuth-212		0.564	+/-0.221	0.200	0.500	pCi/g					
Bismuth-214		0.621	+/-0.0723	0.0488	0.200	pCi/g					
Cerium-139	U	-0.00988	+/-0.0171	0.0304	0.050	pCi/g					
Cerium-141	U	0.0339	+/-0.0833	0.164	0.100	pCi/g					
Cerium-144	U	-0.0492	+/-0.104	0.189	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0335	0.0383	0.100	pCi/g					
Cesium-136	U	0.317	+/-0.897	1.42	0.300	pCi/g					
Cesium-137		0.105	+/-0.0244	0.0297	0.100	pCi/g					
Chromium-51	U	-0.253	+/-0.669	1.13	0.600	pCi/g					
Cobalt-56	U	-0.0194	+/-0.0259	0.0444	0.100	pCi/g					
Cobalt-57	U	-0.00166	+/-0.0127	0.0235	0.050	pCi/g					
Cobalt-58	U	-0.019	+/-0.031	0.0462	0.100	pCi/g					
Cobalt-60	U	-0.0111	+/-0.0171	0.0279	0.100	pCi/g					
Europium-152	U	-0.00599	+/-0.0392	0.0717	0.200	pCi/g					
Europium-154	U	-0.0317	+/-0.0607	0.0854	0.500	pCi/g					
Europium-155	U	0.0487	+/-0.0505	0.0973	0.500	pCi/g					
Iridium-192	U	-0.00156	+/-0.0251	0.043	0.100	pCi/g					
Iron-59	U	-0.0218	+/-0.0848	0.146	0.300	pCi/g					
Lead-210	U	0.931	+/-3.09	5.18	4.00	pCi/g					
Lead-212		0.914	+/-0.0545	0.0448	0.100	pCi/g					
Lead-214		0.664	+/-0.0676	0.0498	0.100	pCi/g					
Manganese-54	U	-0.00027	+/-0.0179	0.0321	0.100	pCi/g					
Mercury-203	U	0.0192	+/-0.057	0.0689	0.100	pCi/g					
Neodymium-147	U	-3.55	+/-7.07	12.2	1000	pCi/g					
Neptunium-239	U	-0.0616	+/-0.0845	0.154	2.00	pCi/g					
Niobium-94	U	0.000563	+/-0.0139	0.0241	1.00	pCi/g					
Niobium-95	U	0.0178	+/-0.113	0.0926	0.050	pCi/g					
Potassium-40		15.5	+/-0.710	0.234	1.00	pCi/g					
Promethium-144	U	0.00172	+/-0.0172	0.0262	0.080	pCi/g					
Promethium-146	U	0.0115	+/-0.0173	0.0322	1.00	pCi/g					
Radium-228		0.918	+/-0.138	0.0943	0.500	pCi/g					
Ruthenium-106	U	-0.0806	+/-0.144	0.243	0.800	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-10
Sample ID: 152807014

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.00427	+/-0.0186	0.0288	0.080	pCi/g					
Sodium-22	U	-0.0118	+/-0.0224	0.0314	0.080	pCi/g					
Thallium-208		0.240	+/-0.0361	0.0265	0.080	pCi/g					
Thorium-230		0.621	+/-0.0723	0.0488	1.00	pCi/g					
Thorium-234		1.51	+/-1.11	1.25	2.00	pCi/g					
Tin-113	U	-0.014	+/-0.0247	0.0437	0.100	pCi/g					
Uranium-235	U	0.0469	+/-0.114	0.176	0.500	pCi/g					
Uranium-238		1.51	+/-1.11	1.25	1.00	pCi/g					
Yttrium-88	U	0.00988	+/-0.0199	0.0381	0.100	pCi/g					
Zinc-65	U	-0.00345	+/-0.0515	0.0771	0.300	pCi/g					
Zirconium-95	U	0.0538	+/-0.0498	0.096	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Certificate of Analysis

Company : MACTEC Constructors
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS–CE–29
Sample ID: 152807015
Matrix: Soil
Collect Date: 01–NOV–05 08:30
Receive Date: 29–DEC–05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium–228		1.15	+/–0.195	0.104	0.800	pCi/g		MJH1 01/06/06	0831	491298	1
Americium–241	U	–0.0103	+/–0.0558	0.102	0.200	pCi/g					
Antimony–124	U	0.0212	+/–0.0612	0.114	0.100	pCi/g					
Antimony–125	U	–0.0329	+/–0.0439	0.0724	0.200	pCi/g					
Barium–133	U	0.000907	+/–0.0221	0.0338	0.100	pCi/g					
Barium–140	U	–0.641	+/–1.80	3.12	0.500	pCi/g					
Beryllium–7	U	0.232	+/–0.296	0.521	0.700	pCi/g					
Bismuth–212		0.750	+/–0.252	0.229	0.500	pCi/g					
Bismuth–214		0.809	+/–0.111	0.0553	0.200	pCi/g					
Cerium–139	U	0.00191	+/–0.0191	0.0328	0.050	pCi/g					
Cerium–141	U	0.051	+/–0.108	0.153	0.100	pCi/g					
Cerium–144	U	–0.0535	+/–0.112	0.191	0.500	pCi/g					
Cesium–134	UUI	0.00	+/–0.0297	0.0309	0.100	pCi/g					
Cesium–136	U	0.129	+/–0.714	1.27	0.300	pCi/g					
Cesium–137		0.123	+/–0.046	0.0287	0.100	pCi/g					
Chromium–51	U	–0.036	+/–0.606	1.06	0.600	pCi/g					
Cobalt–56	U	–0.00712	+/–0.0277	0.0467	0.100	pCi/g					
Cobalt–57	U	–0.0017	+/–0.0138	0.0241	0.050	pCi/g					
Cobalt–58	U	–0.0184	+/–0.0281	0.0462	0.100	pCi/g					
Cobalt–60	U	0.0146	+/–0.0166	0.0308	0.100	pCi/g					
Europium–152	U	0.0345	+/–0.0581	0.0772	0.200	pCi/g					
Europium–154	U	0.0372	+/–0.0552	0.0992	0.500	pCi/g					
Europium–155	U	0.0432	+/–0.0516	0.0934	0.500	pCi/g					
Iridium–192	U	0.000858	+/–0.0283	0.0437	0.100	pCi/g					
Iron–59	U	–0.0338	+/–0.0889	0.152	0.300	pCi/g					
Lead–210	U	0.935	+/–1.21	2.09	4.00	pCi/g					
Lead–212		1.21	+/–0.117	0.047	0.100	pCi/g					
Lead–214		0.927	+/–0.117	0.0545	0.100	pCi/g					
Manganese–54	UUI	0.00	+/–0.0221	0.0368	0.100	pCi/g					
Mercury–203	U	0.0672	+/–0.0633	0.0689	0.100	pCi/g					
Neodymium–147	U	–1.62	+/–6.20	10.9	1000	pCi/g					
Neptunium–239	U	0.0149	+/–0.0911	0.161	2.00	pCi/g					
Niobium–94	U	0.0161	+/–0.0277	0.0298	1.00	pCi/g					
Niobium–95	U	0.0323	+/–0.0729	0.112	0.050	pCi/g					
Potassium–40		16.1	+/–1.21	0.264	1.00	pCi/g					
Promethium–144	U	0.00226	+/–0.0208	0.0315	0.080	pCi/g					
Promethium–146	U	0.0194	+/–0.0208	0.0369	1.00	pCi/g					
Radium–228		1.15	+/–0.195	0.104	0.500	pCi/g					
Ruthenium–106	U	–0.0925	+/–0.182	0.266	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-29
Sample ID: 152807015

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.0102	+/-0.0205	0.0322	0.080	pCi/g					
Sodium-22	U	0.0106	+/-0.0205	0.0364	0.080	pCi/g					
Thallium-208		0.352	+/-0.0539	0.0304	0.080	pCi/g					
Thorium-230		0.809	+/-0.111	0.0553	1.00	pCi/g					
Thorium-234		0.928	+/-0.984	0.875	2.00	pCi/g					
Tin-113	U	-0.0241	+/-0.0285	0.0471	0.100	pCi/g					
Uranium-235	U	0.0675	+/-0.143	0.182	0.500	pCi/g					
Uranium-238		0.928	+/-0.984	0.875	1.00	pCi/g					
Yttrium-88	U	0.00667	+/-0.020	0.0373	0.100	pCi/g					
Zinc-65	U	0.0309	+/-0.0845	0.084	0.300	pCi/g					
Zirconium-95	U	0.0307	+/-0.0571	0.101	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-51
Sample ID: 152807007
Matrix: Soil
Collect Date: 14-NOV-05 15:45
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.937	+/-0.144	0.0683	0.800	pCi/g		MJH1 01/05/06	2135	491298	1
Americium-241	U	-0.0182	+/-0.0382	0.0692	0.200	pCi/g					
Antimony-124	U	-0.00528	+/-0.0342	0.0594	0.100	pCi/g					
Antimony-125	U	0.010	+/-0.0353	0.0529	0.200	pCi/g					
Barium-133	U	0.00411	+/-0.0144	0.022	0.100	pCi/g					
Barium-140	U	0.401	+/-0.591	1.04	0.500	pCi/g					
Beryllium-7	U	0.0247	+/-0.164	0.278	0.700	pCi/g					
Bismuth-212		0.602	+/-0.178	0.144	0.500	pCi/g					
Bismuth-214		0.596	+/-0.0818	0.0384	0.200	pCi/g					
Cerium-139	U	-0.0014	+/-0.0132	0.0199	0.050	pCi/g					
Cerium-141	U	0.0434	+/-0.0569	0.0752	0.100	pCi/g					
Cerium-144	U	-0.0176	+/-0.0726	0.125	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0206	0.0261	0.100	pCi/g					
Cesium-136	U	-0.0107	+/-0.257	0.382	0.300	pCi/g					
Cesium-137		0.331	+/-0.0457	0.0194	0.100	pCi/g					
Chromium-51	U	0.177	+/-0.291	0.514	0.600	pCi/g					
Cobalt-56	U	-3.180E-05	+/-0.0167	0.0282	0.100	pCi/g					
Cobalt-57	U	0.000485	+/-0.00898	0.0157	0.050	pCi/g					
Cobalt-58	U	-0.00687	+/-0.0167	0.0279	0.100	pCi/g					
Cobalt-60	U	-0.000701	+/-0.0115	0.0196	0.100	pCi/g					
Europium-152	U	0.00355	+/-0.0336	0.0513	0.200	pCi/g					
Europium-154	U	-0.0203	+/-0.037	0.0611	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.0505	0.0573	0.500	pCi/g					
Iridium-192	U	-0.00143	+/-0.0149	0.0259	0.100	pCi/g					
Iron-59	U	-0.00165	+/-0.0455	0.0785	0.300	pCi/g					
Lead-210	U	1.25	+/-1.32	1.28	4.00	pCi/g					
Lead-212		0.950	+/-0.088	0.0313	0.100	pCi/g					
Lead-214		0.741	+/-0.0843	0.0356	0.100	pCi/g					
Manganese-54	U	0.00999	+/-0.013	0.0226	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.0442	0.0353	0.100	pCi/g					
Neodymium-147	U	0.746	+/-1.75	3.12	1000	pCi/g					
Neptunium-239	U	0.0224	+/-0.0597	0.105	2.00	pCi/g					
Niobium-94	U	0.00898	+/-0.0143	0.018	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-0.0564	0.0586	0.050	pCi/g					
Potassium-40		13.4	+/-0.930	0.162	1.00	pCi/g					
Promethium-144	U	0.00243	+/-0.0118	0.0204	0.080	pCi/g					
Promethium-146	U	0.00799	+/-0.0157	0.0247	1.00	pCi/g					
Radium-228		0.937	+/-0.144	0.0683	0.500	pCi/g					
Ruthenium-106	U	-0.0673	+/-0.103	0.174	0.800	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-51 Project: MCTC00402
Sample ID: 152807007 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	UUI	0.00	+/-0.0143	0.0229	0.080	pCi/g					
Sodium-22	U	-0.00341	+/-0.0133	0.0223	0.080	pCi/g					
Thallium-208		0.281	+/-0.0405	0.020	0.080	pCi/g					
Thorium-230		0.596	+/-0.0818	0.0384	1.00	pCi/g					
Thorium-234	U	0.293	+/-0.628	0.611	2.00	pCi/g					
Tin-113	U	-0.013	+/-0.0171	0.0284	0.100	pCi/g					
Uranium-235	U	0.0765	+/-0.100	0.123	0.500	pCi/g					
Uranium-238	U	0.293	+/-0.628	0.611	1.00	pCi/g					
Yttrium-88	U	0.00223	+/-0.013	0.023	0.100	pCi/g					
Zinc-65	U	0.0495	+/-0.0322	0.0521	0.300	pCi/g					
Zirconium-95	U	0.0279	+/-0.0434	0.0557	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS–CE–56
Sample ID: 152807004
Matrix: Soil
Collect Date: 15–NOV–05 13:35
Receive Date: 29–DEC–05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium–228		0.655	+/–0.264	0.214	0.800	pCi/g		MJH1 01/05/06	1822	491298	1
Americium–241	U	0.0361	+/–0.0485	0.0785	0.200	pCi/g					
Antimony–124	U	0.131	+/–0.111	0.222	0.100	pCi/g					
Antimony–125	U	0.0104	+/–0.0853	0.146	0.200	pCi/g					
Barium–133	U	0.00611	+/–0.0394	0.0603	0.100	pCi/g					
Barium–140	U	0.189	+/–1.69	2.86	0.500	pCi/g					
Beryllium–7	U	0.0731	+/–0.469	0.802	0.700	pCi/g					
Bismuth–212		0.510	+/–0.398	0.489	0.500	pCi/g					
Bismuth–214		0.716	+/–0.155	0.0987	0.200	pCi/g					
Cerium–139	U	–0.0149	+/–0.028	0.0458	0.050	pCi/g					
Cerium–141	Ul	0.00	+/–0.186	0.160	0.100	pCi/g					
Cerium–144	U	–0.0114	+/–0.163	0.275	0.500	pCi/g					
Cesium–134	U	0.00	+/–0.0416	0.0691	0.100	pCi/g					
Cesium–136	U	–0.0844	+/–0.664	1.12	0.300	pCi/g					
Cesium–137		0.392	+/–0.0747	0.061	0.100	pCi/g					
Chromium–51	U	0.0774	+/–0.729	1.27	0.600	pCi/g					
Cobalt–56	U	–0.00799	+/–0.0491	0.0842	0.100	pCi/g					
Cobalt–57	U	–0.00961	+/–0.0203	0.0339	0.050	pCi/g					
Cobalt–58	U	–0.0293	+/–0.0493	0.0824	0.100	pCi/g					
Cobalt–60	U	0.0109	+/–0.0316	0.058	0.100	pCi/g					
Europium–152	U	–0.024	+/–0.0836	0.143	0.200	pCi/g					
Europium–154	U	–0.0482	+/–0.0996	0.170	0.500	pCi/g					
Europium–155	U	0.00	+/–0.0842	0.124	0.500	pCi/g					
Iridium–192	U	–0.014	+/–0.0388	0.0663	0.100	pCi/g					
Iron–59	U	–0.0202	+/–0.132	0.223	0.300	pCi/g					
Lead–210	U	0.446	+/–0.840	0.717	4.00	pCi/g					
Lead–212		0.762	+/–0.110	0.0977	0.100	pCi/g					
Lead–214		0.585	+/–0.123	0.0938	0.100	pCi/g					
Manganese–54	U	0.00	+/–0.0369	0.0664	0.100	pCi/g					
Mercury–203	U	0.00	+/–0.0622	0.0989	0.100	pCi/g					
Neodymium–147	U	–2.5	+/–5.03	8.20	1000	pCi/g					
Neptunium–239	U	–0.0753	+/–0.135	0.224	2.00	pCi/g					
Niobium–94	U	0.00996	+/–0.0317	0.0561	1.00	pCi/g					
Niobium–95	U	–0.00209	+/–0.0936	0.162	0.050	pCi/g					
Potassium–40		13.2	+/–1.32	0.508	1.00	pCi/g					
Promethium–144	U	0.0286	+/–0.0347	0.063	0.080	pCi/g					
Promethium–146	U	–0.0465	+/–0.0408	0.0648	1.00	pCi/g					
Radium–228		0.655	+/–0.264	0.214	0.500	pCi/g					
Ruthenium–106	U	0.190	+/–0.314	0.569	0.800	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-56
Sample ID: 152807004

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.0421	+/-0.0449	0.0724	0.080	pCi/g					
Sodium-22	U	-0.0176	+/-0.0363	0.0618	0.080	pCi/g					
Thallium-208		0.276	+/-0.0676	0.0546	0.080	pCi/g					
Thorium-230		0.716	+/-0.155	0.0987	1.00	pCi/g					
Thorium-234		1.19	+/-0.902	0.758	2.00	pCi/g					
Tin-113	U	0.0382	+/-0.047	0.0837	0.100	pCi/g					
Uranium-235		0.321	+/-0.244	0.300	0.500	pCi/g					
Uranium-238		1.19	+/-0.902	0.758	1.00	pCi/g					
Yttrium-88	U	0.00839	+/-0.0327	0.0621	0.100	pCi/g					
Zinc-65	U	0.0855	+/-0.0904	0.147	0.300	pCi/g					
Zirconium-95	U	-0.0954	+/-0.0977	0.159	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-57
Sample ID: 152807008
Matrix: Soil
Collect Date: 14-NOV-05 15:15
Receive Date: 29-DEC-05
Collector: Client

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.03	+/-0.179	0.105	0.800	pCi/g		MJH1 01/05/06	2146	491298	1
Americium-241	U	-0.156	+/-0.0837	0.128	0.200	pCi/g					
Antimony-124	U	0.0266	+/-0.0388	0.0766	0.100	pCi/g					
Antimony-125	U	0.0463	+/-0.041	0.0754	0.200	pCi/g					
Barium-133	U	0.0214	+/-0.021	0.034	0.100	pCi/g					
Barium-140	U	0.507	+/-0.842	1.49	0.500	pCi/g					
Beryllium-7	U	0.118	+/-0.270	0.382	0.700	pCi/g					
Bismuth-212		0.719	+/-0.194	0.227	0.500	pCi/g					
Bismuth-214		0.767	+/-0.105	0.0491	0.200	pCi/g					
Cerium-139	U	0.00955	+/-0.015	0.027	0.050	pCi/g					
Cerium-141	U	0.0121	+/-0.0577	0.103	0.100	pCi/g					
Cerium-144	U	0.0639	+/-0.108	0.172	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0311	0.0372	0.100	pCi/g					
Cesium-136	U	0.00604	+/-0.334	0.588	0.300	pCi/g					
Cesium-137	U	0.0087	+/-0.0162	0.0288	0.100	pCi/g					
Chromium-51	U	0.0756	+/-0.396	0.721	0.600	pCi/g					
Cobalt-56	U	-0.0105	+/-0.0229	0.0401	0.100	pCi/g					
Cobalt-57	U	-0.0103	+/-0.0116	0.0205	0.050	pCi/g					
Cobalt-58	U	0.0109	+/-0.0237	0.0432	0.100	pCi/g					
Cobalt-60	U	-0.00502	+/-0.0175	0.0299	0.100	pCi/g					
Europium-152	U	-0.0356	+/-0.0415	0.0727	0.200	pCi/g					
Europium-154	U	-0.0089	+/-0.0493	0.0848	0.500	pCi/g					
Europium-155	U	0.0175	+/-0.0531	0.0829	0.500	pCi/g					
Iridium-192	U	-0.00641	+/-0.0203	0.0364	0.100	pCi/g					
Iron-59	U	-0.0651	+/-0.0716	0.119	0.300	pCi/g					
Lead-210	U	0.0407	+/-2.07	3.45	4.00	pCi/g					
Lead-212		1.05	+/-0.116	0.042	0.100	pCi/g					
Lead-214		0.854	+/-0.102	0.0531	0.100	pCi/g					
Manganese-54	U	-0.0021	+/-0.0169	0.030	0.100	pCi/g					
Mercury-203	U	0.0495	+/-0.0341	0.0515	0.100	pCi/g					
Neodymium-147	U	1.10	+/-2.55	4.56	1000	pCi/g					
Neptunium-239	U	0.0249	+/-0.0806	0.147	2.00	pCi/g					
Niobium-94	U	0.00494	+/-0.0147	0.0257	1.00	pCi/g					
Niobium-95	U	0.063	+/-0.0477	0.079	0.050	pCi/g					
Potassium-40		15.4	+/-1.30	0.260	1.00	pCi/g					
Promethium-144	U	-0.00757	+/-0.0169	0.0285	0.080	pCi/g					
Promethium-146	U	0.0226	+/-0.0192	0.0353	1.00	pCi/g					
Radium-228		1.03	+/-0.179	0.105	0.500	pCi/g					
Ruthenium-106	U	-0.12	+/-0.145	0.242	0.800	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-57
Sample ID: 152807008

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.00847	+/-0.0168	0.0285	0.080	pCi/g					
Sodium-22	U	-0.00307	+/-0.018	0.031	0.080	pCi/g					
Thallium-208		0.337	+/-0.0487	0.0282	0.080	pCi/g					
Thorium-230		0.767	+/-0.105	0.0491	1.00	pCi/g					
Thorium-234	U	0.688	+/-0.637	1.03	2.00	pCi/g					
Tin-113	U	-0.0171	+/-0.0273	0.0411	0.100	pCi/g					
Uranium-235	U	0.105	+/-0.0887	0.159	0.500	pCi/g					
Uranium-238	U	0.688	+/-0.637	1.03	1.00	pCi/g					
Yttrium-88	U	0.0095	+/-0.00877	0.0287	0.100	pCi/g					
Zinc-65	U	0.0231	+/-0.0481	0.0747	0.300	pCi/g					
Zirconium-95	U	0.0305	+/-0.0456	0.084	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-90
Sample ID: 152807002
Matrix: Soil
Collect Date: 26-NOV-05 14:30
Receive Date: 29-DEC-05
Collector: Client

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.714	+/-0.100	0.0808	0.800	pCi/g		MJH1 01/05/06	1718	491298	1
Americium-241	U	-0.111	+/-0.0939	0.145	0.200	pCi/g					
Antimony-124	U	-0.0074	+/-0.0323	0.0581	0.100	pCi/g					
Antimony-125	U	0.0185	+/-0.0363	0.0677	0.200	pCi/g					
Barium-133	U	-0.0655	+/-0.0185	0.0291	0.100	pCi/g					
Barium-140	U	-0.0973	+/-0.356	0.628	0.500	pCi/g					
Beryllium-7	U	-0.058	+/-0.158	0.280	0.700	pCi/g					
Bismuth-212		0.386	+/-0.195	0.186	0.500	pCi/g					
Bismuth-214		0.478	+/-0.0662	0.0492	0.200	pCi/g					
Cerium-139	U	-0.00302	+/-0.0136	0.0247	0.050	pCi/g					
Cerium-141	U	0.0319	+/-0.0451	0.0778	0.100	pCi/g					
Cerium-144	U	-0.046	+/-0.0876	0.160	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0274	0.0323	0.100	pCi/g					
Cesium-136	U	0.0403	+/-0.146	0.259	0.300	pCi/g					
Cesium-137		0.0675	+/-0.0237	0.0267	0.100	pCi/g					
Chromium-51	U	0.0379	+/-0.288	0.502	0.600	pCi/g					
Cobalt-56	U	0.000271	+/-0.0178	0.0323	0.100	pCi/g					
Cobalt-57	U	0.00115	+/-0.0111	0.0208	0.050	pCi/g					
Cobalt-58	U	-0.00743	+/-0.0173	0.0307	0.100	pCi/g					
Cobalt-60	U	0.0071	+/-0.0155	0.0281	0.100	pCi/g					
Europium-152	U	0.0249	+/-0.0372	0.0708	0.200	pCi/g					
Europium-154	U	0.0412	+/-0.0447	0.0834	0.500	pCi/g					
Europium-155	U	0.0391	+/-0.0584	0.0809	0.500	pCi/g					
Iridium-192	U	-0.00395	+/-0.0178	0.0305	0.100	pCi/g					
Iron-59	U	0.036	+/-0.0514	0.085	0.300	pCi/g					
Lead-210	U	3.54	+/-2.71	4.85	4.00	pCi/g					
Lead-212		0.649	+/-0.0462	0.0408	0.100	pCi/g					
Lead-214		0.537	+/-0.0631	0.0502	0.100	pCi/g					
Manganese-54	U	0.0121	+/-0.0149	0.0282	0.100	pCi/g					
Mercury-203	U	-0.00755	+/-0.0229	0.0396	0.100	pCi/g					
Neodymium-147	U	0.794	+/-0.987	1.85	1000	pCi/g					
Neptunium-239	U	-0.00693	+/-0.0783	0.147	2.00	pCi/g					
Niobium-94	U	0.0014	+/-0.0129	0.0225	1.00	pCi/g					
Niobium-95	U	0.0504	+/-0.0318	0.0567	0.050	pCi/g					
Potassium-40		13.6	+/-0.630	0.217	1.00	pCi/g					
Promethium-144	U	0.0143	+/-0.0131	0.0252	0.080	pCi/g					
Promethium-146	U	0.00113	+/-0.0174	0.0279	1.00	pCi/g					
Radium-228		0.714	+/-0.100	0.0808	0.500	pCi/g					
Ruthenium-106	U	-0.0456	+/-0.128	0.221	0.800	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-CE-90
Sample ID: 152807002

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.0101	+/-0.0162	0.026	0.080	pCi/g					
Sodium-22	U	0.0151	+/-0.0162	0.0303	0.080	pCi/g					
Thallium-208		0.205	+/-0.0339	0.0224	0.080	pCi/g					
Thorium-230		0.478	+/-0.0662	0.0492	1.00	pCi/g					
Thorium-234	U	0.621	+/-1.02	1.31	2.00	pCi/g					
Tin-113	U	0.016	+/-0.0253	0.032	0.100	pCi/g					
Uranium-235	U	0.104	+/-0.125	0.169	0.500	pCi/g					
Uranium-238	U	0.621	+/-1.02	1.31	1.00	pCi/g					
Yttrium-88	U	0.00983	+/-0.0161	0.031	0.100	pCi/g					
Zinc-65	U	0.00133	+/-0.0423	0.0642	0.300	pCi/g					
Zirconium-95	U	0.0111	+/-0.0334	0.0623	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-6A-01
Sample ID: 152807027
Matrix: Soil
Collect Date: 21-SEP-05 08:15
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.769	+/-0.142	0.0861	0.800	pCi/g		MJH1 01/06/06	2130	491299	1
Americium-241	U	0.062	+/-0.108	0.189	0.200	pCi/g					
Antimony-124	U	-0.0447	+/-0.0867	0.126	0.100	pCi/g					
Antimony-125	U	0.0266	+/-0.039	0.0718	0.200	pCi/g					
Barium-133	U	0.00915	+/-0.0197	0.0322	0.100	pCi/g					
Barium-140	UI	0.00	+/-14.4	0.00	0.500	pCi/g					
Beryllium-7	U	-0.138	+/-0.393	0.690	0.700	pCi/g					
Bismuth-212		0.700	+/-0.236	0.197	0.500	pCi/g					
Bismuth-214		0.629	+/-0.0769	0.0454	0.200	pCi/g					
Cerium-139	U	0.0066	+/-0.0202	0.0363	0.050	pCi/g					
Cerium-141	U	0.097	+/-0.177	0.336	0.100	pCi/g					
Cerium-144	U	-0.0385	+/-0.107	0.191	0.500	pCi/g					
Cesium-134	U	0.0217	+/-0.0271	0.0321	0.100	pCi/g					
Cesium-136	U	-4.24	+/-6.07	0.00	0.300	pCi/g					
Cesium-137		0.0628	+/-0.0214	0.0246	0.100	pCi/g					
Chromium-51	U	-0.388	+/-1.53	2.77	0.600	pCi/g					
Cobalt-56	U	0.0252	+/-0.0324	0.0605	0.100	pCi/g					
Cobalt-57	U	0.00247	+/-0.0134	0.0246	0.050	pCi/g					
Cobalt-58	U	-0.0177	+/-0.0337	0.0592	0.100	pCi/g					
Cobalt-60	U	0.00214	+/-0.0148	0.0261	0.100	pCi/g					
Europium-152	U	0.00666	+/-0.0387	0.071	0.200	pCi/g					
Europium-154	U	0.0131	+/-0.0448	0.0793	0.500	pCi/g					
Europium-155	U	0.0506	+/-0.0473	0.089	0.500	pCi/g					
Iridium-192	U	0.0209	+/-0.0329	0.0615	0.100	pCi/g					
Iron-59	U	-0.138	+/-0.133	0.219	0.300	pCi/g					
Lead-210	U	2.00	+/-6.69	8.65	4.00	pCi/g					
Lead-212		0.840	+/-0.0878	0.0478	0.100	pCi/g					
Lead-214		0.753	+/-0.0934	0.0496	0.100	pCi/g					
Manganese-54	U	0.0207	+/-0.0232	0.0298	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.149	0.112	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-82.6	0.00	1000	pCi/g					
Neptunium-239	U	-0.034	+/-0.0801	0.144	2.00	pCi/g					
Niobium-94	U	0.0129	+/-0.0125	0.0226	1.00	pCi/g					
Niobium-95	U	0.146	+/-0.167	0.200	0.050	pCi/g					
Potassium-40		13.0	+/-0.954	0.214	1.00	pCi/g					
Promethium-144	U	3.000E-05	+/-0.0153	0.0265	0.080	pCi/g					
Promethium-146	U	-0.00871	+/-0.0172	0.030	1.00	pCi/g					
Radium-228		0.769	+/-0.142	0.0861	0.500	pCi/g					
Ruthenium-106	U	0.0548	+/-0.149	0.264	0.800	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-6A-01 Project: MCTC00402
Sample ID: 152807027 Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.018	+/-0.0186	0.0302	0.080	pCi/g					
Sodium-22	U	0.00489	+/-0.0168	0.0298	0.080	pCi/g					
Thallium-208		0.260	+/-0.041	0.0256	0.080	pCi/g					
Thorium-230		0.629	+/-0.0769	0.0454	1.00	pCi/g					
Thorium-234	U	0.612	+/-1.47	1.41	2.00	pCi/g					
Tin-113	U	-0.00992	+/-0.0304	0.0541	0.100	pCi/g					
Uranium-235	U	0.0641	+/-0.113	0.163	0.500	pCi/g					
Uranium-238	U	0.612	+/-1.47	1.41	1.00	pCi/g					
Yttrium-88	U	0.0103	+/-0.0202	0.0391	0.100	pCi/g					
Zinc-65	U	-0.0366	+/-0.0467	0.066	0.300	pCi/g					
Zirconium-95	U	0.0391	+/-0.0704	0.131	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-6A-09
Sample ID: 152807023
Matrix: Soil
Collect Date: 21-SEP-05 09:50
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.686	+/-0.166	0.108	0.800	pCi/g		MJH1 01/06/06	1938	491299	1
Americium-241	U	0.048	+/-0.0384	0.0642	0.200	pCi/g					
Antimony-124	U	0.0208	+/-0.119	0.191	0.100	pCi/g					
Antimony-125	U	-0.0237	+/-0.0453	0.0778	0.200	pCi/g					
Barium-133	U	-0.00164	+/-0.022	0.034	0.100	pCi/g					
Barium-140	U	-7.62	+/-18.6	0.00	0.500	pCi/g					
Beryllium-7	U	-0.0927	+/-0.515	0.890	0.700	pCi/g					
Bismuth-212		0.672	+/-0.337	0.246	0.500	pCi/g					
Bismuth-214		0.591	+/-0.0706	0.0548	0.200	pCi/g					
Cerium-139	U	0.00837	+/-0.0216	0.0357	0.050	pCi/g					
Cerium-141	U	0.0865	+/-0.182	0.342	0.100	pCi/g					
Cerium-144	U	0.0164	+/-0.114	0.190	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0358	0.0413	0.100	pCi/g					
Cesium-136	UI	0.00	+/-6.35	0.00	0.300	pCi/g					
Cesium-137	U	0.000304	+/-0.0357	0.0348	0.100	pCi/g					
Chromium-51	U	-0.0347	+/-1.69	3.01	0.600	pCi/g					
Cobalt-56	U	0.0122	+/-0.0412	0.0742	0.100	pCi/g					
Cobalt-57	U	0.00629	+/-0.0134	0.0237	0.050	pCi/g					
Cobalt-58	U	-0.0583	+/-0.043	0.0711	0.100	pCi/g					
Cobalt-60	U	0.0186	+/-0.0193	0.0355	0.100	pCi/g					
Europium-152	U	-0.0127	+/-0.0436	0.0766	0.200	pCi/g					
Europium-154	U	0.00965	+/-0.0533	0.0932	0.500	pCi/g					
Europium-155	U	0.0204	+/-0.0545	0.0766	0.500	pCi/g					
Iridium-192	U	-0.0031	+/-0.0356	0.0634	0.100	pCi/g					
Iron-59	U	-0.0147	+/-0.176	0.304	0.300	pCi/g					
Lead-210	U	0.465	+/-0.583	0.729	4.00	pCi/g					
Lead-212		0.801	+/-0.0529	0.0472	0.100	pCi/g					
Lead-214		0.601	+/-0.0668	0.054	0.100	pCi/g					
Manganese-54	U	0.0135	+/-0.0421	0.0387	0.100	pCi/g					
Mercury-203	U	0.0517	+/-0.0708	0.130	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-89.5	0.00	1000	pCi/g					
Neptunium-239	U	0.082	+/-0.0789	0.142	2.00	pCi/g					
Niobium-94	U	0.00146	+/-0.0156	0.0281	1.00	pCi/g					
Niobium-95	U	0.0659	+/-0.161	0.256	0.050	pCi/g					
Potassium-40		14.3	+/-0.675	0.265	1.00	pCi/g					
Promethium-144	U	0.00421	+/-0.0198	0.0357	0.080	pCi/g					
Promethium-146	U	0.0144	+/-0.0216	0.0386	1.00	pCi/g					
Radium-228		0.686	+/-0.166	0.108	0.500	pCi/g					
Ruthenium-106	U	0.0316	+/-0.170	0.311	0.800	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-6A-09
Sample ID: 152807023

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.000254	+/-0.0234	0.0368	0.080	pCi/g					
Sodium-22	U	0.00315	+/-0.0201	0.0351	0.080	pCi/g					
Thallium-208		0.309	+/-0.0447	0.0322	0.080	pCi/g					
Thorium-230		0.591	+/-0.0706	0.0548	1.00	pCi/g					
Thorium-234		0.597	+/-0.571	0.593	2.00	pCi/g					
Tin-113	U	-0.0137	+/-0.0343	0.0595	0.100	pCi/g					
Uranium-235	U	0.073	+/-0.0846	0.160	0.500	pCi/g					
Uranium-238		0.597	+/-0.571	0.593	1.00	pCi/g					
Yttrium-88	U	0.0278	+/-0.0308	0.0605	0.100	pCi/g					
Zinc-65	U	-0.0261	+/-0.0627	0.0907	0.300	pCi/g					
Zirconium-95	U	0.0883	+/-0.0895	0.167	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-6A-28
Sample ID: 152807024
Matrix: Soil
Collect Date: 21-SEP-05 15:10
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.890	+/-0.131	0.0537	0.800	pCi/g		MJH1 01/06/06	1939	491299	1
Americium-241	U	-0.0282	+/-0.0301	0.0559	0.200	pCi/g					
Antimony-124	U	-0.0353	+/-0.0516	0.086	0.100	pCi/g					
Antimony-125	U	0.000221	+/-0.0237	0.0409	0.200	pCi/g					
Barium-133	U	0.000297	+/-0.0119	0.0183	0.100	pCi/g					
Barium-140	U	-4.85	+/-8.99	0.00	0.500	pCi/g					
Beryllium-7	U	0.0321	+/-0.254	0.435	0.700	pCi/g					
Bismuth-212		0.698	+/-0.149	0.120	0.500	pCi/g					
Bismuth-214		0.606	+/-0.0774	0.0299	0.200	pCi/g					
Cerium-139	U	-0.000908	+/-0.0122	0.0213	0.050	pCi/g					
Cerium-141	U	0.156	+/-0.139	0.195	0.100	pCi/g					
Cerium-144	U	0.00286	+/-0.0647	0.116	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0184	0.0224	0.100	pCi/g					
Cesium-136	U	-0.143	+/-3.26	0.00	0.300	pCi/g					
Cesium-137		0.0228	+/-0.0113	0.016	0.100	pCi/g					
Chromium-51	U	0.595	+/-0.753	1.50	0.600	pCi/g					
Cobalt-56	U	0.0173	+/-0.0216	0.0379	0.100	pCi/g					
Cobalt-57	U	0.0051	+/-0.00807	0.0147	0.050	pCi/g					
Cobalt-58	U	-0.00769	+/-0.0225	0.038	0.100	pCi/g					
Cobalt-60	U	-0.00547	+/-0.00946	0.0157	0.100	pCi/g					
Europium-152	U	-0.0007	+/-0.0232	0.0409	0.200	pCi/g					
Europium-154	U	0.012	+/-0.0294	0.0511	0.500	pCi/g					
Europium-155	U	0.0378	+/-0.0445	0.0479	0.500	pCi/g					
Iridium-192	U	-0.0217	+/-0.0191	0.0329	0.100	pCi/g					
Iron-59	U	-0.0298	+/-0.0888	0.152	0.300	pCi/g					
Lead-210	U	0.588	+/-0.965	1.06	4.00	pCi/g					
Lead-212		0.923	+/-0.083	0.0257	0.100	pCi/g					
Lead-214		0.662	+/-0.0724	0.0289	0.100	pCi/g					
Manganese-54	U	0.00228	+/-0.0155	0.0197	0.100	pCi/g					
Mercury-203	UUI	0.00	+/-0.0777	0.0655	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-43.2	0.00	1000	pCi/g					
Neptunium-239	U	-0.00757	+/-0.0478	0.0858	2.00	pCi/g					
Niobium-94	U	-0.00224	+/-0.00827	0.0142	1.00	pCi/g					
Niobium-95	U	0.104	+/-0.0886	0.138	0.050	pCi/g					
Potassium-40		15.0	+/-0.969	0.123	1.00	pCi/g					
Promethium-144	U	0.00102	+/-0.0103	0.0179	0.080	pCi/g					
Promethium-146	U	0.00358	+/-0.011	0.019	1.00	pCi/g					
Radium-228		0.890	+/-0.131	0.0537	0.500	pCi/g					
Ruthenium-106	U	-0.059	+/-0.0901	0.154	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-6A-28
Sample ID: 152807024

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.00389	+/-0.0119	0.0177	0.080	pCi/g					
Sodium-22	U	0.00292	+/-0.0111	0.0192	0.080	pCi/g					
Thallium-208		0.278	+/-0.0349	0.0163	0.080	pCi/g					
Thorium-230		0.606	+/-0.0774	0.0299	1.00	pCi/g					
Thorium-234		0.547	+/-0.466	0.482	2.00	pCi/g					
Tin-113	U	-0.00299	+/-0.0182	0.0315	0.100	pCi/g					
Uranium-235	U	0.0905	+/-0.0797	0.0992	0.500	pCi/g					
Uranium-238		0.547	+/-0.466	0.482	1.00	pCi/g					
Yttrium-88	U	0.000104	+/-0.0135	0.0237	0.100	pCi/g					
Zinc-65	U	0.0317	+/-0.0314	0.049	0.300	pCi/g					
Zirconium-95	U	0.00834	+/-0.0569	0.0852	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-6A-40
Sample ID: 152807012
Matrix: Soil
Collect Date: 22-SEP-05 13:40
Receive Date: 29-DEC-05
Collector: Client

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228	UUI	0.00	+/-0.253	0.346	0.800	pCi/g		MJH1 01/06/06	0703	491298	1
Americium-241	U	0.00983	+/-0.0465	0.0734	0.200	pCi/g					
Antimony-124	U	-0.139	+/-0.199	0.323	0.100	pCi/g					
Antimony-125	U	0.0301	+/-0.0896	0.155	0.200	pCi/g					
Barium-133	U	0.0115	+/-0.0426	0.0653	0.100	pCi/g					
Barium-140	U	-14.9	+/-40.7	0.00	0.500	pCi/g					
Beryllium-7	U	-0.214	+/-1.02	1.70	0.700	pCi/g					
Bismuth-212	U	0.237	+/-0.312	0.562	0.500	pCi/g					
Bismuth-214		0.452	+/-0.142	0.101	0.200	pCi/g					
Cerium-139	U	-0.0225	+/-0.0415	0.0595	0.050	pCi/g					
Cerium-141	U	0.0669	+/-0.364	0.547	0.100	pCi/g					
Cerium-144	U	-0.139	+/-0.194	0.315	0.500	pCi/g					
Cesium-134	U	0.0155	+/-0.0439	0.0775	0.100	pCi/g					
Cesium-136	U	-0.0903	+/-12.1	0.00	0.300	pCi/g					
Cesium-137		0.728	+/-0.0992	0.0527	0.100	pCi/g					
Chromium-51	U	-2.61	+/-3.09	5.12	0.600	pCi/g					
Cobalt-56	U	-0.0528	+/-0.0861	0.143	0.100	pCi/g					
Cobalt-57	U	-0.000838	+/-0.0237	0.040	0.050	pCi/g					
Cobalt-58	U	-0.000917	+/-0.0879	0.152	0.100	pCi/g					
Cobalt-60	U	-0.0184	+/-0.038	0.0643	0.100	pCi/g					
Europium-152	U	0.0183	+/-0.0863	0.150	0.200	pCi/g					
Europium-154	U	-0.0706	+/-0.116	0.195	0.500	pCi/g					
Europium-155	U	0.0627	+/-0.103	0.132	0.500	pCi/g					
Iridium-192	U	0.0569	+/-0.0703	0.125	0.100	pCi/g					
Iron-59	U	0.0811	+/-0.305	0.534	0.300	pCi/g					
Lead-210		2.04	+/-0.786	0.769	4.00	pCi/g					
Lead-212		0.670	+/-0.103	0.0812	0.100	pCi/g					
Lead-214		0.545	+/-0.129	0.104	0.100	pCi/g					
Manganese-54	U	0.0429	+/-0.0422	0.0773	0.100	pCi/g					
Mercury-203	U	-0.139	+/-0.128	0.212	0.100	pCi/g					
Neodymium-147	U	-28	+/-184	0.00	1000	pCi/g					
Neptunium-239	U	-0.0123	+/-0.140	0.235	2.00	pCi/g					
Niobium-94	U	-0.0357	+/-0.0306	0.0495	1.00	pCi/g					
Niobium-95	U	0.147	+/-0.543	0.461	0.050	pCi/g					
Potassium-40		11.5	+/-1.27	0.521	1.00	pCi/g					
Promethium-144	U	0.0311	+/-0.0419	0.0674	0.080	pCi/g					
Promethium-146	U	-0.0146	+/-0.0434	0.0721	1.00	pCi/g					
Radium-228	UUI	0.00	+/-0.253	0.346	0.500	pCi/g					
Ruthenium-106	U	-0.0566	+/-0.365	0.634	0.800	pCi/g					

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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-6A-40
Sample ID: 152807012

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	UUI	0.00	+/-0.0555	0.0946	0.080	pCi/g					
Sodium-22	U	-0.0265	+/-0.0435	0.073	0.080	pCi/g					
Thallium-208	UUI	0.00	+/-0.0696	0.0981	0.080	pCi/g					
Thorium-230		0.452	+/-0.142	0.101	1.00	pCi/g					
Thorium-234		1.04	+/-0.894	0.721	2.00	pCi/g					
Tin-113	U	0.0402	+/-0.0667	0.117	0.100	pCi/g					
Uranium-235	U	0.0469	+/-0.251	0.296	0.500	pCi/g					
Uranium-238		1.04	+/-0.894	0.721	1.00	pCi/g					
Yttrium-88	U	-0.00219	+/-0.0594	0.106	0.100	pCi/g					
Zinc-65	U	0.0272	+/-0.114	0.172	0.300	pCi/g					
Zirconium-95	U	-0.0651	+/-0.177	0.301	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-6A-43
Sample ID: 152807025
Matrix: Soil
Collect Date: 22-SEP-05 13:40
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.555	+/-0.114	0.0744	0.800	pCi/g		MJH1 01/06/06	2115	491299	1
Americium-241	U	0.00103	+/-0.0512	0.088	0.200	pCi/g					
Antimony-124	U	0.0313	+/-0.0717	0.139	0.100	pCi/g					
Antimony-125	U	0.0111	+/-0.033	0.0602	0.200	pCi/g					
Barium-133	U	0.00127	+/-0.0165	0.025	0.100	pCi/g					
Barium-140	UI	0.00	+/-15.5	0.00	0.500	pCi/g					
Beryllium-7	U	0.176	+/-0.364	0.664	0.700	pCi/g					
Bismuth-212		0.273	+/-0.199	0.179	0.500	pCi/g					
Bismuth-214		0.439	+/-0.0559	0.0387	0.200	pCi/g					
Cerium-139	U	-0.00502	+/-0.0144	0.0255	0.050	pCi/g					
Cerium-141	U	0.170	+/-0.152	0.231	0.100	pCi/g					
Cerium-144	U	0.0364	+/-0.0754	0.139	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0287	0.0306	0.100	pCi/g					
Cesium-136	UI	0.00	+/-5.12	0.00	0.300	pCi/g					
Cesium-137		0.269	+/-0.0348	0.0221	0.100	pCi/g					
Chromium-51	U	0.244	+/-1.25	2.16	0.600	pCi/g					
Cobalt-56	U	-0.0291	+/-0.0319	0.0512	0.100	pCi/g					
Cobalt-57	U	-0.00188	+/-0.00981	0.0178	0.050	pCi/g					
Cobalt-58	U	-0.0301	+/-0.031	0.0496	0.100	pCi/g					
Cobalt-60	U	0.0113	+/-0.0146	0.0245	0.100	pCi/g					
Europium-152	U	-0.0056	+/-0.0331	0.0559	0.200	pCi/g					
Europium-154	U	0.00726	+/-0.0435	0.0769	0.500	pCi/g					
Europium-155	U	0.00866	+/-0.0322	0.0598	0.500	pCi/g					
Iridium-192	U	-0.00585	+/-0.0273	0.0463	0.100	pCi/g					
Iron-59	U	0.0132	+/-0.123	0.219	0.300	pCi/g					
Lead-210	U	0.744	+/-1.84	2.26	4.00	pCi/g					
Lead-212		0.652	+/-0.0419	0.0351	0.100	pCi/g					
Lead-214		0.535	+/-0.0522	0.0392	0.100	pCi/g					
Manganese-54	U	-0.00515	+/-0.0147	0.0246	0.100	pCi/g					
Mercury-203	U	0.033	+/-0.0541	0.0954	0.100	pCi/g					
Neodymium-147	U	-21.5	+/-64.1	0.00	1000	pCi/g					
Neptunium-239	U	0.0116	+/-0.058	0.107	2.00	pCi/g					
Niobium-94	U	0.000932	+/-0.012	0.0208	1.00	pCi/g					
Niobium-95	U	0.161	+/-0.103	0.176	0.050	pCi/g					
Potassium-40		10.9	+/-0.595	0.215	1.00	pCi/g					
Promethium-144	U	-0.0122	+/-0.0148	0.0244	0.080	pCi/g					
Promethium-146	U	0.0103	+/-0.0151	0.0279	1.00	pCi/g					
Radium-228		0.555	+/-0.114	0.0744	0.500	pCi/g					
Ruthenium-106	U	-0.0193	+/-0.125	0.218	0.800	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS–6A–43
Sample ID: 152807025

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver–110m	U	–0.00721	+/–0.0168	0.0248	0.080	pCi/g					
Sodium–22	U	0.0058	+/–0.0161	0.0289	0.080	pCi/g					
Thallium–208		0.178	+/–0.0341	0.0225	0.080	pCi/g					
Thorium–230		0.439	+/–0.0559	0.0387	1.00	pCi/g					
Thorium–234		0.771	+/–0.731	0.688	2.00	pCi/g					
Tin–113	U	0.00875	+/–0.0255	0.0468	0.100	pCi/g					
Uranium–235	U	0.0424	+/–0.0725	0.116	0.500	pCi/g					
Uranium–238		0.771	+/–0.731	0.688	1.00	pCi/g					
Yttrium–88	U	–0.0121	+/–0.0224	0.0385	0.100	pCi/g					
Zinc–65	U	0.00818	+/–0.0461	0.0716	0.300	pCi/g					
Zirconium–95	U	–0.00012	+/–0.0679	0.117	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL–RAD–A–021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-6A-44
Sample ID: 152807009
Matrix: Soil
Collect Date: 22-SEP-05 13:10
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.783	+/-0.161	0.104	0.800	pCi/g		MJH1 01/05/06	2147	491298	1
Americium-241	U	0.0287	+/-0.125	0.222	0.200	pCi/g					
Antimony-124	U	-0.0043	+/-0.0937	0.171	0.100	pCi/g					
Antimony-125	U	0.0115	+/-0.0536	0.0932	0.200	pCi/g					
Barium-133	U	-0.013	+/-0.0271	0.0403	0.100	pCi/g					
Barium-140	UI	0.00	+/-20.7	0.00	0.500	pCi/g					
Beryllium-7	U	0.134	+/-0.641	0.975	0.700	pCi/g					
Bismuth-212		0.522	+/-0.341	0.234	0.500	pCi/g					
Bismuth-214		0.566	+/-0.0837	0.0608	0.200	pCi/g					
Cerium-139	U	-0.00366	+/-0.0251	0.0419	0.050	pCi/g					
Cerium-141	U	0.183	+/-0.333	0.386	0.100	pCi/g					
Cerium-144	U	0.111	+/-0.139	0.236	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0301	0.0421	0.100	pCi/g					
Cesium-136	U	-0.794	+/-6.71	0.00	0.300	pCi/g					
Cesium-137		0.496	+/-0.0559	0.0331	0.100	pCi/g					
Chromium-51	U	-1.29	+/-1.94	3.30	0.600	pCi/g					
Cobalt-56	U	-0.00998	+/-0.0435	0.0754	0.100	pCi/g					
Cobalt-57	U	0.00208	+/-0.017	0.0291	0.050	pCi/g					
Cobalt-58	U	0.00555	+/-0.0454	0.0805	0.100	pCi/g					
Cobalt-60	U	0.00165	+/-0.0183	0.0318	0.100	pCi/g					
Europium-152	U	-0.013	+/-0.0503	0.0869	0.200	pCi/g					
Europium-154	U	0.0233	+/-0.0576	0.0903	0.500	pCi/g					
Europium-155	U	0.0761	+/-0.0604	0.107	0.500	pCi/g					
Iridium-192	U	-0.000447	+/-0.0428	0.0748	0.100	pCi/g					
Iron-59	U	-0.0275	+/-0.168	0.288	0.300	pCi/g					
Lead-210	U	3.72	+/-8.30	10.0	4.00	pCi/g					
Lead-212		0.739	+/-0.094	0.0574	0.100	pCi/g					
Lead-214		0.661	+/-0.0933	0.0615	0.100	pCi/g					
Manganese-54	U	0.0156	+/-0.0216	0.0366	0.100	pCi/g					
Mercury-203	U	0.0724	+/-0.0819	0.148	0.100	pCi/g					
Neodymium-147	U	-23.6	+/-97.8	0.00	1000	pCi/g					
Neptunium-239	U	-0.0235	+/-0.102	0.173	2.00	pCi/g					
Niobium-94	U	0.00239	+/-0.017	0.0286	1.00	pCi/g					
Niobium-95	U	0.0775	+/-0.140	0.226	0.050	pCi/g					
Potassium-40		13.2	+/-1.05	0.243	1.00	pCi/g					
Promethium-144	U	-0.0115	+/-0.0215	0.0348	0.080	pCi/g					
Promethium-146	U	-0.00864	+/-0.0235	0.0397	1.00	pCi/g					
Radium-228		0.783	+/-0.161	0.104	0.500	pCi/g					
Ruthenium-106	U	0.299	+/-0.281	0.313	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-6A-44
Sample ID: 152807009

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	UUI	0.00	+/-0.0234	0.0395	0.080	pCi/g					
Sodium-22	U	0.00872	+/-0.0216	0.0338	0.080	pCi/g					
Thallium-208		0.284	+/-0.0429	0.0343	0.080	pCi/g					
Thorium-230		0.566	+/-0.0837	0.0608	1.00	pCi/g					
Thorium-234	U	1.29	+/-1.04	1.83	2.00	pCi/g					
Tin-113	U	-0.0398	+/-0.0405	0.0671	0.100	pCi/g					
Uranium-235	U	0.0888	+/-0.162	0.184	0.500	pCi/g					
Uranium-238	U	1.29	+/-1.04	1.83	1.00	pCi/g					
Yttrium-88	U	0.00962	+/-0.0268	0.051	0.100	pCi/g					
Zinc-65	U	0.000634	+/-0.0599	0.0897	0.300	pCi/g					
Zirconium-95	U	0.0327	+/-0.086	0.155	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Certificate of Analysis

Company : MACTEC Constructors
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-6A-45
Sample ID: 152807026
Matrix: Soil
Collect Date: 22-SEP-05 14:00
Receive Date: 29-DEC-05
Collector: Client

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.600	+/-0.158	0.101	0.800	pCi/g		MJH1 01/06/06	2115	491299	1
Americium-241	U	-0.0665	+/-0.0793	0.121	0.200	pCi/g					
Antimony-124	U	0.0311	+/-0.0878	0.167	0.100	pCi/g					
Antimony-125	U	-0.0336	+/-0.0427	0.0721	0.200	pCi/g					
Barium-133	U	0.0141	+/-0.0301	0.0324	0.100	pCi/g					
Barium-140	UI	0.00	+/-15.0	0.00	0.500	pCi/g					
Beryllium-7	U	0.192	+/-0.443	0.839	0.700	pCi/g					
Bismuth-212		0.520	+/-0.302	0.217	0.500	pCi/g					
Bismuth-214		0.454	+/-0.0918	0.0506	0.200	pCi/g					
Cerium-139	U	0.0111	+/-0.0189	0.033	0.050	pCi/g					
Cerium-141	U	0.0174	+/-0.159	0.295	0.100	pCi/g					
Cerium-144	U	-0.0459	+/-0.116	0.173	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0339	0.0371	0.100	pCi/g					
Cesium-136	U	-0.941	+/-5.92	0.00	0.300	pCi/g					
Cesium-137		0.247	+/-0.0474	0.0271	0.100	pCi/g					
Chromium-51	U	-0.422	+/-1.52	2.66	0.600	pCi/g					
Cobalt-56	U	0.00553	+/-0.0377	0.0673	0.100	pCi/g					
Cobalt-57	U	-0.00436	+/-0.0127	0.0219	0.050	pCi/g					
Cobalt-58	U	-0.0522	+/-0.0409	0.0669	0.100	pCi/g					
Cobalt-60	U	0.0226	+/-0.0172	0.0328	0.100	pCi/g					
Europium-152	U	-0.0335	+/-0.0425	0.0725	0.200	pCi/g					
Europium-154	U	-0.00725	+/-0.0548	0.094	0.500	pCi/g					
Europium-155	U	0.0386	+/-0.0436	0.078	0.500	pCi/g					
Iridium-192	U	0.0164	+/-0.0327	0.0589	0.100	pCi/g					
Iron-59	U	-0.0456	+/-0.189	0.277	0.300	pCi/g					
Lead-210	U	2.04	+/-2.04	3.35	4.00	pCi/g					
Lead-212		0.602	+/-0.0775	0.0423	0.100	pCi/g					
Lead-214		0.523	+/-0.0789	0.0506	0.100	pCi/g					
Manganese-54	U	-0.000731	+/-0.0194	0.0342	0.100	pCi/g					
Mercury-203	U	-0.0104	+/-0.075	0.115	0.100	pCi/g					
Neodymium-147	U	-24.7	+/-73.3	0.00	1000	pCi/g					
Neptunium-239	U	0.0233	+/-0.0769	0.135	2.00	pCi/g					
Niobium-94	U	0.0156	+/-0.0157	0.0279	1.00	pCi/g					
Niobium-95	U	0.00742	+/-0.123	0.219	0.050	pCi/g					
Potassium-40		11.1	+/-1.02	0.267	1.00	pCi/g					
Promethium-144	U	-0.0212	+/-0.0193	0.0308	0.080	pCi/g					
Promethium-146	U	0.012	+/-0.019	0.034	1.00	pCi/g					
Radium-228		0.600	+/-0.158	0.101	0.500	pCi/g					
Ruthenium-106	U	0.0206	+/-0.169	0.292	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: FSS-6A-45
Sample ID: 152807026

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.0242	+/-0.0231	0.0366	0.080	pCi/g					
Sodium-22	U	-0.00272	+/-0.0206	0.0353	0.080	pCi/g					
Thallium-208		0.179	+/-0.0401	0.030	0.080	pCi/g					
Thorium-230		0.453	+/-0.0918	0.0506	1.00	pCi/g					
Thorium-234		1.01	+/-0.743	0.951	2.00	pCi/g					
Tin-113	U	-0.0047	+/-0.0325	0.0567	0.100	pCi/g					
Uranium-235	U	0.00985	+/-0.0896	0.143	0.500	pCi/g					
Uranium-238		1.01	+/-0.743	0.951	1.00	pCi/g					
Yttrium-88	U	0.00631	+/-0.0265	0.0437	0.100	pCi/g					
Zinc-65	U	0.0306	+/-0.0578	0.0901	0.300	pCi/g					
Zirconium-95	U	-0.0349	+/-0.0786	0.137	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0508-16
Sample ID: 152807029
Matrix: Soil
Collect Date: 02-AUG-05 09:00
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.12	+/-0.147	0.103	0.800	pCi/g		MJH1 01/06/06	2157	491299	1
Americium-241	U	-0.067	+/-0.112	0.137	0.200	pCi/g					
Antimony-124	U	-0.00661	+/-0.148	0.262	0.100	pCi/g					
Antimony-125	U	-0.00562	+/-0.0449	0.0772	0.200	pCi/g					
Barium-133	U	0.0113	+/-0.0231	0.036	0.100	pCi/g					
Barium-140	U	-233	+/-245	0.00	0.500	pCi/g					
Beryllium-7	U	-0.0679	+/-1.06	1.57	0.700	pCi/g					
Bismuth-212		0.728	+/-0.338	0.237	0.500	pCi/g					
Bismuth-214		0.815	+/-0.0751	0.0526	0.200	pCi/g					
Cerium-139	U	-0.0103	+/-0.027	0.0489	0.050	pCi/g					
Cerium-141	U	0.338	+/-0.575	1.02	0.100	pCi/g					
Cerium-144	U	-0.161	+/-0.127	0.229	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0344	0.0406	0.100	pCi/g					
Cesium-136	UI	0.00	+/-90.5	0.00	0.300	pCi/g					
Cesium-137	U	0.00545	+/-0.0192	0.030	0.100	pCi/g					
Chromium-51	U	-4.89	+/-6.11	10.5	0.600	pCi/g					
Cobalt-56	U	0.00992	+/-0.0607	0.106	0.100	pCi/g					
Cobalt-57	U	0.00206	+/-0.0157	0.0293	0.050	pCi/g					
Cobalt-58	U	0.00797	+/-0.0719	0.110	0.100	pCi/g					
Cobalt-60	U	0.00524	+/-0.0183	0.0287	0.100	pCi/g					
Europium-152	U	0.013	+/-0.0455	0.0803	0.200	pCi/g					
Europium-154	U	-0.023	+/-0.0511	0.0879	0.500	pCi/g					
Europium-155	U	0.0718	+/-0.0646	0.0886	0.500	pCi/g					
Iridium-192	U	-0.0104	+/-0.0597	0.105	0.100	pCi/g					
Iron-59	U	-0.0993	+/-0.322	0.566	0.300	pCi/g					
Lead-210	U	2.60	+/-2.31	3.89	4.00	pCi/g					
Lead-212		1.33	+/-0.0604	0.058	0.100	pCi/g					
Lead-214		0.998	+/-0.0779	0.0557	0.100	pCi/g					
Manganese-54	U	0.00941	+/-0.0226	0.040	0.100	pCi/g					
Mercury-203	U	0.228	+/-0.206	0.283	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-1940	0.00	1000	pCi/g					
Neptunium-239	U	0.118	+/-0.0984	0.156	2.00	pCi/g					
Niobium-94	U	0.00975	+/-0.017	0.026	1.00	pCi/g					
Niobium-95	U	0.575	+/-0.408	0.668	0.050	pCi/g					
Potassium-40		17.3	+/-0.705	0.224	1.00	pCi/g					
Promethium-144	U	0.00967	+/-0.0218	0.0342	0.080	pCi/g					
Promethium-146	U	0.00141	+/-0.0205	0.0354	1.00	pCi/g					
Radium-228		1.12	+/-0.147	0.103	0.500	pCi/g					
Ruthenium-106	U	0.155	+/-0.185	0.339	0.800	pCi/g					

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0508-16
Sample ID: 152807029

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.0169	+/-0.0226	0.0387	0.080	pCi/g					
Sodium-22	U	-0.00861	+/-0.0197	0.0339	0.080	pCi/g					
Thallium-208		0.442	+/-0.0442	0.0319	0.080	pCi/g					
Thorium-230		0.815	+/-0.0751	0.0526	1.00	pCi/g					
Thorium-234		1.32	+/-1.09	1.10	2.00	pCi/g					
Tin-113	U	-0.0539	+/-0.0477	0.0792	0.100	pCi/g					
Uranium-235	U	0.0775	+/-0.130	0.178	0.500	pCi/g					
Uranium-238		1.32	+/-1.09	1.10	1.00	pCi/g					
Yttrium-88	U	-0.0226	+/-0.036	0.0487	0.100	pCi/g					
Zinc-65	U	-0.105	+/-0.117	0.0978	0.300	pCi/g					
Zirconium-95	U	0.0388	+/-0.142	0.253	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0508-31
Sample ID: 152807013
Matrix: Soil
Collect Date: 11-AUG-05 11:00
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.08	+/-0.208	0.139	0.800	pCi/g		MJH1 01/06/06	0704	491298	1
Americium-241	U	0.0606	+/-0.154	0.299	0.200	pCi/g					
Antimony-124	U	-0.182	+/-0.159	0.246	0.100	pCi/g					
Antimony-125	U	0.0113	+/-0.061	0.112	0.200	pCi/g					
Barium-133	U	-0.00507	+/-0.0282	0.0451	0.100	pCi/g					
Barium-140	UI	0.00	+/-196	0.00	0.500	pCi/g					
Beryllium-7	U	-0.0426	+/-1.03	1.86	0.700	pCi/g					
Bismuth-212		1.00	+/-0.391	0.316	0.500	pCi/g					
Bismuth-214		0.808	+/-0.123	0.0651	0.200	pCi/g					
Cerium-139	U	-0.0373	+/-0.0379	0.0651	0.050	pCi/g					
Cerium-141	U	0.519	+/-0.656	1.27	0.100	pCi/g					
Cerium-144	U	-0.0226	+/-0.184	0.332	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0339	0.0528	0.100	pCi/g					
Cesium-136	U	-3.3	+/-65.0	0.00	0.300	pCi/g					
Cesium-137		0.0445	+/-0.0341	0.0361	0.100	pCi/g					
Chromium-51	U	1.93	+/-6.11	11.5	0.600	pCi/g					
Cobalt-56	U	-0.00213	+/-0.0691	0.126	0.100	pCi/g					
Cobalt-57	U	-0.00468	+/-0.0235	0.0426	0.050	pCi/g					
Cobalt-58	U	-0.066	+/-0.0747	0.128	0.100	pCi/g					
Cobalt-60	U	-0.00793	+/-0.0223	0.0381	0.100	pCi/g					
Europium-152	U	0.0356	+/-0.0683	0.105	0.200	pCi/g					
Europium-154	U	0.0555	+/-0.0644	0.123	0.500	pCi/g					
Europium-155	U	0.0885	+/-0.107	0.134	0.500	pCi/g					
Iridium-192	U	0.00912	+/-0.0721	0.134	0.100	pCi/g					
Iron-59	U	-0.419	+/-0.373	0.600	0.300	pCi/g					
Lead-210	U	4.74	+/-7.02	13.9	4.00	pCi/g					
Lead-212		1.29	+/-0.135	0.0729	0.100	pCi/g					
Lead-214		0.849	+/-0.120	0.0734	0.100	pCi/g					
Manganese-54	U	0.0194	+/-0.0291	0.0549	0.100	pCi/g					
Mercury-203	U	0.249	+/-0.256	0.296	0.100	pCi/g					
Neodymium-147	U	-593	+/-1460	0.00	1000	pCi/g					
Neptunium-239	U	0.0616	+/-0.126	0.235	2.00	pCi/g					
Niobium-94	U	0.0093	+/-0.0188	0.034	1.00	pCi/g					
Niobium-95	U	0.0661	+/-0.402	0.652	0.050	pCi/g					
Potassium-40		16.3	+/-1.35	0.352	1.00	pCi/g					
Promethium-144	U	-3.720E-05	+/-0.025	0.0437	0.080	pCi/g					
Promethium-146	U	0.0172	+/-0.028	0.052	1.00	pCi/g					
Radium-228		1.08	+/-0.208	0.139	0.500	pCi/g					
Ruthenium-106	U	0.124	+/-0.238	0.434	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0508-31
Sample ID: 152807013

Proiect: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.0475	+/-0.0295	0.0526	0.080	pCi/g					
Sodium-22	U	0.0215	+/-0.0247	0.0471	0.080	pCi/g					
Thallium-208		0.401	+/-0.0595	0.0412	0.080	pCi/g					
Thorium-230		0.808	+/-0.123	0.0651	1.00	pCi/g					
Thorium-234	U	1.02	+/-1.82	2.21	2.00	pCi/g					
Tin-113	U	0.00471	+/-0.0575	0.105	0.100	pCi/g					
Uranium-235	U	0.146	+/-0.170	0.259	0.500	pCi/g					
Uranium-238	U	1.02	+/-1.82	2.21	1.00	pCi/g					
Yttrium-88	U	0.011	+/-0.0411	0.0802	0.100	pCi/g					
Zinc-65	U	-0.133	+/-0.0826	0.128	0.300	pCi/g					
Zirconium-95	U	0.0585	+/-0.165	0.311	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0508-46
Sample ID: 152807003
Matrix: Soil
Collect Date: 17-AUG-05 13:30
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.938	+/-0.163	0.0921	0.800	pCi/g		MJH1 01/05/06	1719	491298	1
Americium-241	U	0.0222	+/-0.0541	0.095	0.200	pCi/g					
Antimony-124	U	0.00963	+/-0.103	0.191	0.100	pCi/g					
Antimony-125	U	-0.00859	+/-0.0387	0.0671	0.200	pCi/g					
Barium-133	U	-0.00323	+/-0.0192	0.0298	0.100	pCi/g					
Barium-140	U	-22.8	+/-100	0.00	0.500	pCi/g					
Beryllium-7	U	-0.337	+/-0.626	1.06	0.700	pCi/g					
Bismuth-212		0.697	+/-0.230	0.214	0.500	pCi/g					
Bismuth-214		0.661	+/-0.0962	0.0501	0.200	pCi/g					
Cerium-139	U	-0.00426	+/-0.0238	0.0418	0.050	pCi/g					
Cerium-141	U	0.030	+/-0.386	0.692	0.100	pCi/g					
Cerium-144	U	-0.0907	+/-0.116	0.203	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0279	0.0376	0.100	pCi/g					
Cesium-136	U	-1.29	+/-32.2	0.00	0.300	pCi/g					
Cesium-137		0.028	+/-0.018	0.026	0.100	pCi/g					
Chromium-51	U	-0.0657	+/-4.00	6.30	0.600	pCi/g					
Cobalt-56	U	0.00664	+/-0.0488	0.0852	0.100	pCi/g					
Cobalt-57	U	-0.00989	+/-0.0141	0.0251	0.050	pCi/g					
Cobalt-58	U	-0.0476	+/-0.0509	0.0834	0.100	pCi/g					
Cobalt-60	U	-0.00531	+/-0.016	0.0272	0.100	pCi/g					
Europium-152	U	0.0232	+/-0.0415	0.0672	0.200	pCi/g					
Europium-154	U	-0.000515	+/-0.0512	0.0886	0.500	pCi/g					
Europium-155	U	0.0518	+/-0.0527	0.0804	0.500	pCi/g					
Iridium-192	U	0.0258	+/-0.0422	0.0779	0.100	pCi/g					
Iron-59	U	-0.0187	+/-0.257	0.452	0.300	pCi/g					
Lead-210	U	0.786	+/-1.62	1.72	4.00	pCi/g					
Lead-212		1.01	+/-0.0989	0.0435	0.100	pCi/g					
Lead-214		0.772	+/-0.0928	0.048	0.100	pCi/g					
Manganese-54	U	0.0159	+/-0.0203	0.0364	0.100	pCi/g					
Mercury-203	U	0.170	+/-0.150	0.171	0.100	pCi/g					
Neodymium-147	U	-180	+/-658	0.00	1000	pCi/g					
Neptunium-239	U	-0.069	+/-0.0767	0.136	2.00	pCi/g					
Niobium-94	U	0.00347	+/-0.0136	0.0242	1.00	pCi/g					
Niobium-95	U	0.304	+/-0.265	0.430	0.050	pCi/g					
Potassium-40		16.3	+/-1.17	0.213	1.00	pCi/g					
Promethium-144	U	-0.00453	+/-0.0177	0.0309	0.080	pCi/g					
Promethium-146	U	0.0213	+/-0.0168	0.031	1.00	pCi/g					
Radium-228		0.938	+/-0.163	0.0921	0.500	pCi/g					
Ruthenium-106	U	0.0125	+/-0.152	0.273	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0508-46
Sample ID: 152807003

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid (Standard List)												
Silver-110m	U	0.00599	+/-0.0206	0.0326	0.080	pCi/g						
Sodium-22	U	0.0018	+/-0.0194	0.0339	0.080	pCi/g						
Thallium-208		0.322	+/-0.0512	0.0277	0.080	pCi/g						
Thorium-230		0.661	+/-0.0962	0.0501	1.00	pCi/g						
Thorium-234		1.15	+/-0.844	0.803	2.00	pCi/g						
Tin-113	U	-0.0258	+/-0.0373	0.0638	0.100	pCi/g						
Uranium-235	U	0.0555	+/-0.0882	0.160	0.500	pCi/g						
Uranium-238		1.15	+/-0.844	0.803	1.00	pCi/g						
Yttrium-88	U	0.0122	+/-0.0304	0.0548	0.100	pCi/g						
Zinc-65	U	0.0448	+/-0.0556	0.0893	0.300	pCi/g						
Zirconium-95	U	0.0543	+/-0.108	0.194	0.200	pCi/g						

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Certificate of Analysis

Company : MACTEC Constructors
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0508-52
Sample ID: 152807034
Matrix: Soil
Collect Date: 18-AUG-05 13:30
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.967	+/-0.181	0.117	0.800	pCi/g		MJH1 01/08/06	1236	491299	1
Americium-241	U	0.00557	+/-0.0611	0.122	0.200	pCi/g					
Antimony-124	U	0.013	+/-0.143	0.274	0.100	pCi/g					
Antimony-125	U	-0.0108	+/-0.0507	0.0902	0.200	pCi/g					
Barium-133	U	0.0174	+/-0.0225	0.0385	0.100	pCi/g					
Barium-140	U	-10.7	+/-115	0.00	0.500	pCi/g					
Beryllium-7	U	-0.0926	+/-0.829	1.47	0.700	pCi/g					
Bismuth-212		0.647	+/-0.290	0.284	0.500	pCi/g					
Bismuth-214		0.565	+/-0.095	0.064	0.200	pCi/g					
Cerium-139	U	0.0153	+/-0.0301	0.0561	0.050	pCi/g					
Cerium-141	U	0.246	+/-0.524	0.985	0.100	pCi/g					
Cerium-144	U	0.111	+/-0.148	0.282	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0398	0.0486	0.100	pCi/g					
Cesium-136	UI	0.00	+/-41.8	0.00	0.300	pCi/g					
Cesium-137	U	-0.0177	+/-0.0191	0.0324	0.100	pCi/g					
Chromium-51	U	1.27	+/-4.45	8.38	0.600	pCi/g					
Cobalt-56	U	-0.011	+/-0.0611	0.107	0.100	pCi/g					
Cobalt-57	U	-0.0204	+/-0.0189	0.0339	0.050	pCi/g					
Cobalt-58	U	-0.0596	+/-0.0691	0.115	0.100	pCi/g					
Cobalt-60	U	0.00259	+/-0.021	0.038	0.100	pCi/g					
Europium-152	U	0.0319	+/-0.0671	0.0843	0.200	pCi/g					
Europium-154	U	-0.00941	+/-0.0601	0.106	0.500	pCi/g					
Europium-155	U	0.0285	+/-0.0581	0.113	0.500	pCi/g					
Iridium-192	U	-0.0376	+/-0.0557	0.0996	0.100	pCi/g					
Iron-59	U	0.113	+/-0.309	0.578	0.300	pCi/g					
Lead-210	U	1.00	+/-1.45	2.44	4.00	pCi/g					
Lead-212		0.927	+/-0.102	0.0599	0.100	pCi/g					
Lead-214		0.746	+/-0.0959	0.059	0.100	pCi/g					
Manganese-54	U	-0.00332	+/-0.0258	0.0454	0.100	pCi/g					
Mercury-203	U	0.109	+/-0.143	0.257	0.100	pCi/g					
Neodymium-147		24.3	+/-804	0.00	1000	pCi/g					
Neptunium-239	U	-0.10	+/-0.103	0.186	2.00	pCi/g					
Niobium-94	U	-0.00643	+/-0.017	0.0299	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-0.381	0.603	0.050	pCi/g					
Potassium-40		14.6	+/-1.21	0.299	1.00	pCi/g					
Promethium-144	U	0.00163	+/-0.0223	0.0407	0.080	pCi/g					
Promethium-146	U	0.0241	+/-0.0216	0.0416	1.00	pCi/g					
Radium-228		0.967	+/-0.181	0.117	0.500	pCi/g					
Ruthenium-106	U	-0.0285	+/-0.198	0.361	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0508-52
Sample ID: 152807034

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.00113	+/-0.0246	0.045	0.080	pCi/g					
Sodium-22	U	-0.00455	+/-0.0231	0.0406	0.080	pCi/g					
Thallium-208		0.340	+/-0.0575	0.0327	0.080	pCi/g					
Thorium-230		0.565	+/-0.095	0.0639	1.00	pCi/g					
Thorium-234	U	0.913	+/-1.02	1.06	2.00	pCi/g					
Tin-113	U	0.0165	+/-0.0444	0.0829	0.100	pCi/g					
Uranium-235	U	0.131	+/-0.118	0.223	0.500	pCi/g					
Uranium-238	U	0.913	+/-1.02	1.06	1.00	pCi/g					
Yttrium-88	U	-0.0247	+/-0.0369	0.0616	0.100	pCi/g					
Zinc-65	U	0.0124	+/-0.0704	0.112	0.300	pCi/g					
Zirconium-95	U	0.198	+/-0.135	0.267	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0508-67
Sample ID: 152807036
Matrix: Soil
Collect Date: 29-AUG-05 13:40
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.644	+/-0.222	0.147	0.800	pCi/g		MJH1 01/08/06	1244	491299	1
Americium-241	U	0.0132	+/-0.124	0.174	0.200	pCi/g					
Antimony-124	U	0.175	+/-0.190	0.431	0.100	pCi/g					
Antimony-125	U	0.0667	+/-0.0704	0.122	0.200	pCi/g					
Barium-133	U	0.0096	+/-0.0311	0.0516	0.100	pCi/g					
Barium-140	UI	0.00	+/-87.4	0.00	0.500	pCi/g					
Beryllium-7	U	0.747	+/-1.01	1.74	0.700	pCi/g					
Bismuth-212		0.477	+/-0.380	0.328	0.500	pCi/g					
Bismuth-214		0.475	+/-0.0939	0.0794	0.200	pCi/g					
Cerium-139	U	-0.0407	+/-0.0327	0.0543	0.050	pCi/g					
Cerium-141	U	-0.126	+/-0.479	0.857	0.100	pCi/g					
Cerium-144	U	0.0249	+/-0.176	0.323	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0423	0.0538	0.100	pCi/g					
Cesium-136	U	-4.15	+/-33.9	0.00	0.300	pCi/g					
Cesium-137	U	-0.0123	+/-0.0253	0.0447	0.100	pCi/g					
Chromium-51	U	-2.9	+/-4.32	7.62	0.600	pCi/g					
Cobalt-56	U	0.00	+/-0.00	0.131	0.100	pCi/g					
Cobalt-57	U	-0.00725	+/-0.0211	0.0381	0.050	pCi/g					
Cobalt-58	U	-0.00836	+/-0.0708	0.112	0.100	pCi/g					
Cobalt-60	U	0.0084	+/-0.0259	0.0505	0.100	pCi/g					
Europium-152	U	-0.00599	+/-0.0587	0.107	0.200	pCi/g					
Europium-154	U	-0.0307	+/-0.0781	0.138	0.500	pCi/g					
Europium-155	U	-0.0165	+/-0.0701	0.129	0.500	pCi/g					
Iridium-192	U	0.0118	+/-0.0602	0.113	0.100	pCi/g					
Iron-59	U	-0.00138	+/-0.343	0.641	0.300	pCi/g					
Lead-210	U	1.49	+/-2.34	4.32	4.00	pCi/g					
Lead-212		0.764	+/-0.101	0.0692	0.100	pCi/g					
Lead-214		0.535	+/-0.122	0.0781	0.100	pCi/g					
Manganese-54	U	0.00812	+/-0.031	0.0579	0.100	pCi/g					
Mercury-203	U	0.0914	+/-0.160	0.274	0.100	pCi/g					
Neodymium-147	UI	0.00	+/-557	0.00	1000	pCi/g					
Neptunium-239	U	-0.0126	+/-0.121	0.222	2.00	pCi/g					
Niobium-94	U	0.00482	+/-0.022	0.0412	1.00	pCi/g					
Niobium-95	U	0.241	+/-0.340	0.653	0.050	pCi/g					
Potassium-40		10.9	+/-1.38	0.498	1.00	pCi/g					
Promethium-144	U	0.00868	+/-0.0292	0.0548	0.080	pCi/g					
Promethium-146	U	-0.00516	+/-0.0316	0.0489	1.00	pCi/g					
Radium-228		0.644	+/-0.222	0.147	0.500	pCi/g					
Ruthenium-106	U	-0.129	+/-0.265	0.472	0.800	pCi/g					

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Certificate of Analysis

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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0508-67
Sample ID: 152807036

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.0132	+/-0.0277	0.054	0.080	pCi/g					
Sodium-22	U	-0.0119	+/-0.0297	0.0522	0.080	pCi/g					
Thallium-208		0.259	+/-0.0576	0.0484	0.080	pCi/g					
Thorium-230		0.475	+/-0.0938	0.0794	1.00	pCi/g					
Thorium-234	U	0.863	+/-1.16	1.45	2.00	pCi/g					
Tin-113	U	0.00864	+/-0.0557	0.103	0.100	pCi/g					
Uranium-235	U	0.117	+/-0.129	0.242	0.500	pCi/g					
Uranium-238	U	0.863	+/-1.16	1.45	1.00	pCi/g					
Yttrium-88	U	0.00464	+/-0.0442	0.0901	0.100	pCi/g					
Zinc-65	U	-0.0773	+/-0.106	0.150	0.300	pCi/g					
Zirconium-95	U	-0.109	+/-0.143	0.243	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-17
Sample ID: 152807032
Matrix: Soil
Collect Date: 04-OCT-05 13:30
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.09	+/-0.288	0.235	0.800	pCi/g		MJH1 01/08/06	1235	491299	1
Americium-241	U	-0.018	+/-0.0504	0.0954	0.200	pCi/g					
Antimony-124	U	-0.0411	+/-0.179	0.274	0.100	pCi/g					
Antimony-125	U	-0.00587	+/-0.091	0.164	0.200	pCi/g					
Barium-133	U	-0.0154	+/-0.0452	0.0704	0.100	pCi/g					
Barium-140	U	2.18	+/-19.5	34.9	0.500	pCi/g					
Beryllium-7	U	-0.385	+/-0.829	1.44	0.700	pCi/g					
Bismuth-212		0.548	+/-0.458	0.471	0.500	pCi/g					
Bismuth-214		0.740	+/-0.143	0.114	0.200	pCi/g					
Cerium-139	U	-0.0161	+/-0.0414	0.0645	0.050	pCi/g					
Cerium-141	U	0.0882	+/-0.283	0.521	0.100	pCi/g					
Cerium-144	U	-0.324	+/-0.208	0.339	0.500	pCi/g					
Cesium-134	U	0.0495	+/-0.081	0.0852	0.100	pCi/g					
Cesium-136	U	2.52	+/-7.59	13.9	0.300	pCi/g					
Cesium-137	U	0.00488	+/-0.0368	0.0682	0.100	pCi/g					
Chromium-51	U	1.41	+/-2.40	4.57	0.600	pCi/g					
Cobalt-56	U	-4.960E-05	+/-0.073	0.133	0.100	pCi/g					
Cobalt-57	U	0.00963	+/-0.0241	0.0451	0.050	pCi/g					
Cobalt-58	U	0.00806	+/-0.0804	0.148	0.100	pCi/g					
Cobalt-60	U	-0.00829	+/-0.0349	0.0629	0.100	pCi/g					
Europium-152	U	0.023	+/-0.0874	0.163	0.200	pCi/g					
Europium-154	U	0.0419	+/-0.113	0.213	0.500	pCi/g					
Europium-155	U	0.056	+/-0.0827	0.157	0.500	pCi/g					
Iridium-192	U	0.0135	+/-0.0632	0.118	0.100	pCi/g					
Iron-59	U	0.285	+/-0.203	0.518	0.300	pCi/g					
Lead-210	U	0.826	+/-0.815	0.841	4.00	pCi/g					
Lead-212		1.04	+/-0.131	0.0917	0.100	pCi/g					
Lead-214		0.698	+/-0.132	0.117	0.100	pCi/g					
Manganese-54	U	-0.0465	+/-0.0458	0.0757	0.100	pCi/g					
Mercury-203	U	-0.000263	+/-0.116	0.216	0.100	pCi/g					
Neodymium-147	U	-0.133	+/-89.2	0.00	1000	pCi/g					
Neptunium-239	U	-0.0393	+/-0.147	0.268	2.00	pCi/g					
Niobium-94	U	-0.00309	+/-0.0338	0.0613	1.00	pCi/g					
Niobium-95	U	0.358	+/-0.280	0.489	0.050	pCi/g					
Potassium-40		14.0	+/-1.59	0.570	1.00	pCi/g					
Promethium-144	U	-0.00934	+/-0.0385	0.0694	0.080	pCi/g					
Promethium-146	U	0.0129	+/-0.0424	0.0776	1.00	pCi/g					
Radium-228		1.09	+/-0.288	0.235	0.500	pCi/g					
Ruthenium-106	U	0.0238	+/-0.345	0.643	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-17
Sample ID: 152807032

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.00	+/-0.00	0.0767	0.080	pCi/g					
Sodium-22	U	0.0158	+/-0.042	0.0795	0.080	pCi/g					
Thallium-208		0.299	+/-0.0784	0.071	0.080	pCi/g					
Thorium-230		0.740	+/-0.143	0.114	1.00	pCi/g					
Thorium-234	U	0.479	+/-0.809	0.937	2.00	pCi/g					
Tin-113	U	0.0184	+/-0.0668	0.123	0.100	pCi/g					
Uranium-235	U	-0.0276	+/-0.169	0.304	0.500	pCi/g					
Uranium-238	U	0.479	+/-0.809	0.937	1.00	pCi/g					
Yttrium-88	U	0.0207	+/-0.0424	0.0904	0.100	pCi/g					
Zinc-65	U	0.0203	+/-0.116	0.181	0.300	pCi/g					
Zirconium-95	U	0.0177	+/-0.164	0.301	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID:	MAC-0510-25	Project:	MCTC00402
Sample ID:	152807031	Client ID:	MCTC002
Matrix:	Soil		
Collect Date:	18-OCT-05 13:40		
Receive Date:	29-DEC-05		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.986	+/-0.312	0.233	0.800	pCi/g		MJH1 01/08/06	1235	491299	1
Americium-241	U	0.0329	+/-0.0526	0.0885	0.200	pCi/g					
Antimony-124	U	-0.152	+/-0.100	0.0746	0.100	pCi/g					
Antimony-125	U	-0.0562	+/-0.0997	0.149	0.200	pCi/g					
Barium-133	U	-0.000975	+/-0.0404	0.0644	0.100	pCi/g					
Barium-140	U	1.70	+/-7.77	14.4	0.500	pCi/g					
Beryllium-7	U	-0.0747	+/-0.642	1.16	0.700	pCi/g					
Bismuth-212		0.736	+/-0.393	0.396	0.500	pCi/g					
Bismuth-214		0.705	+/-0.148	0.116	0.200	pCi/g					
Cerium-139	U	-0.0153	+/-0.0333	0.0582	0.050	pCi/g					
Cerium-141	U	0.176	+/-0.211	0.391	0.100	pCi/g					
Cerium-144	U	-0.203	+/-0.218	0.318	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0892	0.087	0.100	pCi/g					
Cesium-136	U	-1.07	+/-3.09	5.51	0.300	pCi/g					
Cesium-137	U	-0.00224	+/-0.036	0.0641	0.100	pCi/g					
Chromium-51	U	-0.122	+/-1.69	3.10	0.600	pCi/g					
Cobalt-56	U	-0.000966	+/-0.063	0.117	0.100	pCi/g					
Cobalt-57	U	-0.00442	+/-0.0224	0.0403	0.050	pCi/g					
Cobalt-58	U	-0.035	+/-0.0586	0.0983	0.100	pCi/g					
Cobalt-60	U	-0.00235	+/-0.034	0.0541	0.100	pCi/g					
Europium-152	U	-0.0429	+/-0.0892	0.137	0.200	pCi/g					
Europium-154	U	-0.0803	+/-0.0971	0.160	0.500	pCi/g					
Europium-155	U	0.0479	+/-0.0906	0.149	0.500	pCi/g					
Iridium-192	U	-0.0121	+/-0.0522	0.0951	0.100	pCi/g					
Iron-59	U	-0.113	+/-0.210	0.365	0.300	pCi/g					
Lead-210	U	0.301	+/-0.705	0.875	4.00	pCi/g					
Lead-212		0.999	+/-0.144	0.087	0.100	pCi/g					
Lead-214		0.741	+/-0.153	0.110	0.100	pCi/g					
Manganese-54	U	-0.0355	+/-0.0394	0.0672	0.100	pCi/g					
Mercury-203	U	0.137	+/-0.140	0.159	0.100	pCi/g					
Neodymium-147	U	10.3	+/-31.8	59.5	1000	pCi/g					
Neptunium-239	U	0.104	+/-0.139	0.248	2.00	pCi/g					
Niobium-94	U	0.0208	+/-0.0296	0.0562	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-0.233	0.268	0.050	pCi/g					
Potassium-40		15.7	+/-1.60	0.501	1.00	pCi/g					
Promethium-144	U	-0.00562	+/-0.034	0.060	0.080	pCi/g					
Promethium-146	U	0.0184	+/-0.0355	0.0676	1.00	pCi/g					
Radium-228		0.986	+/-0.312	0.233	0.500	pCi/g					
Ruthenium-106	U	0.0782	+/-0.293	0.545	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-25
Sample ID: 152807031

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.00659	+/-0.0381	0.0674	0.080	pCi/g					
Sodium-22	U	-0.0297	+/-0.0359	0.0594	0.080	pCi/g					
Thallium-208		0.310	+/-0.0755	0.0605	0.080	pCi/g					
Thorium-230		0.705	+/-0.148	0.116	1.00	pCi/g					
Thorium-234		1.37	+/-0.823	0.855	2.00	pCi/g					
Tin-113	U	0.0567	+/-0.053	0.104	0.100	pCi/g					
Uranium-235	U	0.0322	+/-0.172	0.312	0.500	pCi/g					
Uranium-238		1.37	+/-0.823	0.855	1.00	pCi/g					
Yttrium-88	U	-0.0305	+/-0.0326	0.0506	0.100	pCi/g					
Zinc-65	U	0.0411	+/-0.0932	0.159	0.300	pCi/g					
Zirconium-95	U	0.0612	+/-0.108	0.213	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 13, 2006

Contact: Mr. Donell Jackson

Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-31
Sample ID: 152808001
Matrix: Sludge
Collect Date: 19-OCT-05 09:30
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228	UUI	0.00	+/-0.836	1.40	0.800	pCi/g		ADD 01/12/06	1118	493387	1
Americium-241		44.4	+/-9.23	5.34	0.200	pCi/g					
Antimony-124	U	0.233	+/-0.756	1.19	0.100	pCi/g					
Antimony-125	U	-0.37	+/-0.835	1.30	0.200	pCi/g					
Barium-133	U	-0.0265	+/-0.368	0.583	0.100	pCi/g					
Barium-140	U	-78.6	+/-101	158	0.500	pCi/g					
Beryllium-7	U	7.94	+/-8.12	11.3	0.700	pCi/g					
Bismuth-212	U	-1.73	+/-2.65	4.22	0.500	pCi/g					
Bismuth-214	U	0.371	+/-0.633	0.911	0.200	pCi/g					
Cerium-139	UUI	0.00	+/-1.03	1.28	0.050	pCi/g					
Cerium-141	UUI	0.00	+/-157	7.60	0.100	pCi/g					
Cerium-144	UUI	0.00	+/-5.88	7.31	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.539	0.655	0.100	pCi/g					
Cesium-136	U	-9.54	+/-21.0	34.7	0.300	pCi/g					
Cesium-137		24.0	+/-1.81	0.512	0.100	pCi/g					
Chromium-51	U	3.60	+/-20.6	28.9	0.600	pCi/g					
Cobalt-56	U	0.00695	+/-0.905	0.836	0.100	pCi/g					
Cobalt-57	UUI	0.00	+/-1.31	0.946	0.050	pCi/g					
Cobalt-58	U	-0.593	+/-0.638	1.00	0.100	pCi/g					
Cobalt-60		12.4	+/-0.938	0.259	0.100	pCi/g					
Europium-152		3.88	+/-1.14	1.30	0.200	pCi/g					
Europium-154	U	-0.294	+/-0.418	0.675	0.500	pCi/g					
Europium-155	UUI	0.00	+/-8.26	4.49	0.500	pCi/g					
Iridium-192	U	0.353	+/-0.699	0.917	0.100	pCi/g					
Iron-59	U	1.33	+/-1.28	1.98	0.300	pCi/g					
Lead-210	U	-174	+/-95.4	132	4.00	pCi/g					
Lead-212		1.99	+/-0.982	0.903	0.100	pCi/g					
Lead-214	U	0.311	+/-0.590	0.941	0.100	pCi/g					
Manganese-54	U	-0.307	+/-0.371	0.499	0.100	pCi/g					
Mercury-203		7.68	+/-1.60	1.58	0.100	pCi/g					
Neodymium-147	U	165	+/-398	658	1000	pCi/g					
Neptunium-239	UUI	0.00	+/-5.65	6.12	2.00	pCi/g					
Niobium-94	U	0.185	+/-0.291	0.484	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-12.4	2.63	0.050	pCi/g					
Potassium-40		4.91	+/-3.72	2.27	1.00	pCi/g					
Promethium-144	U	-0.638	+/-0.340	0.528	0.080	pCi/g					
Promethium-146	U	-0.307	+/-0.463	0.623	1.00	pCi/g					
Radium-228	UUI	0.00	+/-0.836	1.40	0.500	pCi/g					
Ruthenium-106	U	-0.577	+/-2.94	4.78	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 13, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-31
Sample ID: 152808001

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	UUI	0.00	+/-0.702	0.763	0.080	pCi/g					
Sodium-22	U	-0.11	+/-0.155	0.250	0.080	pCi/g					
Thallium-208	UUI	0.00	+/-0.457	0.571	0.080	pCi/g					
Thorium-230	U	0.371	+/-0.633	0.911	1.00	pCi/g					
Thorium-234		7070	+/-1390	42.2	2.00	pCi/g					
Tin-113	U	-0.119	+/-0.635	0.873	0.100	pCi/g					
Uranium-235		1340	+/-222	15.8	0.500	pCi/g					
Uranium-238		7070	+/-1390	42.2	1.00	pCi/g					
Yttrium-88	U	0.157	+/-0.139	0.271	0.100	pCi/g					
Zinc-65	U	-0.208	+/-0.442	0.729	0.300	pCi/g					
Zirconium-95	U	-0.371	+/-1.36	2.19	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	ADD	01/11/06	1046	493374

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
d The 2:1 depletion requirement was not met for this sample
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 13, 2006

Contact: Mr. Donell Jackson

Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-31
Sample ID: 152808001

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Reviewed by Martha Hamson

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 13, 2006

Contact: Mr. Donell Jackson

Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-37
Sample ID: 152808003
Matrix: Sludge
Collect Date: 19-OCT-05 11:35
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228	U	0.651	+/-0.786	0.995	0.800	pCi/g		ADD 01/12/06	1119	493387	1
Americium-241		11.5	+/-4.74	3.50	0.200	pCi/g					
Antimony-124	U	-0.0323	+/-0.417	0.730	0.100	pCi/g					
Antimony-125	U	-0.181	+/-0.428	0.699	0.200	pCi/g					
Barium-133	U	-0.074	+/-0.184	0.303	0.100	pCi/g					
Barium-140	U	-45.1	+/-52.7	80.9	0.500	pCi/g					
Beryllium-7	U	-0.353	+/-3.68	6.04	0.700	pCi/g					
Bismuth-212	UUI	0.00	+/-1.62	2.14	0.500	pCi/g					
Bismuth-214	U	0.388	+/-0.329	0.492	0.200	pCi/g					
Cerium-139	UUI	0.00	+/-0.440	0.624	0.050	pCi/g					
Cerium-141	UUI	0.00	+/-52.8	3.76	0.100	pCi/g					
Cerium-144	U	-1.38	+/-3.35	3.71	0.500	pCi/g					
Cesium-134	U	0.253	+/-0.199	0.334	0.100	pCi/g					
Cesium-136	U	-16.7	+/-15.9	25.7	0.300	pCi/g					
Cesium-137		22.1	+/-1.56	0.271	0.100	pCi/g					
Chromium-51	U	0.132	+/-9.59	14.9	0.600	pCi/g					
Cobalt-56	U	-0.097	+/-0.319	0.508	0.100	pCi/g					
Cobalt-57	UUI	0.00	+/-0.602	0.533	0.050	pCi/g					
Cobalt-58	U	0.091	+/-0.353	0.576	0.100	pCi/g					
Cobalt-60		18.2	+/-1.29	0.160	0.100	pCi/g					
Europium-152		0.993	+/-0.607	0.680	0.200	pCi/g					
Europium-154	U	0.0566	+/-0.258	0.458	0.500	pCi/g					
Europium-155	UUI	0.00	+/-2.81	2.22	0.500	pCi/g					
Iridium-192	U	-0.0435	+/-0.301	0.465	0.100	pCi/g					
Iron-59	U	-0.562	+/-0.997	1.64	0.300	pCi/g					
Lead-210	U	61.8	+/-87.2	127	4.00	pCi/g					
Lead-212	UUI	0.00	+/-0.388	0.535	0.100	pCi/g					
Lead-214	U	0.204	+/-0.298	0.502	0.100	pCi/g					
Manganese-54	U	0.208	+/-0.204	0.302	0.100	pCi/g					
Mercury-203		2.38	+/-0.587	0.745	0.100	pCi/g					
Neodymium-147	U	-129	+/-203	325	1000	pCi/g					
Neptunium-239	U	1.01	+/-2.16	3.08	2.00	pCi/g					
Niobium-94	U	0.0537	+/-0.163	0.234	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-3.60	1.34	0.050	pCi/g					
Potassium-40		4.45	+/-1.62	1.42	1.00	pCi/g					
Promethium-144	U	0.0782	+/-0.167	0.276	0.080	pCi/g					
Promethium-146	U	0.00975	+/-0.209	0.344	1.00	pCi/g					
Radium-228	U	0.651	+/-0.786	0.995	0.500	pCi/g					
Ruthenium-106	U	-0.0481	+/-1.55	2.53	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 13, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-37
Sample ID: 152808003

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	UUI	0.00	+/-0.218	0.330	0.080	pCi/g					
Sodium-22	U	0.0201	+/-0.0958	0.170	0.080	pCi/g					
Thallium-208	UUI	0.00	+/-0.289	0.317	0.080	pCi/g					
Thorium-230	U	0.388	+/-0.329	0.492	1.00	pCi/g					
Thorium-234		1500	+/-303	26.0	2.00	pCi/g					
Tin-113	U	-0.245	+/-0.334	0.476	0.100	pCi/g					
Uranium-235		359	+/-59.8	7.90	0.500	pCi/g					
Uranium-238		1500	+/-303	26.0	1.00	pCi/g					
Yttrium-88	U	0.00832	+/-0.124	0.205	0.100	pCi/g					
Zinc-65	U	-0.0966	+/-0.371	0.621	0.300	pCi/g					
Zirconium-95	U	0.074	+/-0.793	1.13	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	ADD	01/11/06	1046	493374

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
d The 2:1 depletion requirement was not met for this sample
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Report Date: January 13, 2006

Contact: Mr. Donell Jackson

Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-37
Sample ID: 152808003

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-39
Sample ID: 152807022
Matrix: Soil
Collect Date: 20-OCT-05 11:30
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.861	+/-0.145	0.0891	0.800	pCi/g		MJH1 01/06/06	1938	491299	1
Americium-241	U	0.0208	+/-0.0269	0.0472	0.200	pCi/g					
Antimony-124	U	0.012	+/-0.0569	0.101	0.100	pCi/g					
Antimony-125	U	0.0256	+/-0.0378	0.0685	0.200	pCi/g					
Barium-133	U	-0.0144	+/-0.0184	0.0283	0.100	pCi/g					
Barium-140	U	-0.668	+/-3.14	5.42	0.500	pCi/g					
Beryllium-7	U	-0.195	+/-0.284	0.489	0.700	pCi/g					
Bismuth-212		0.361	+/-0.279	0.216	0.500	pCi/g					
Bismuth-214		0.636	+/-0.0831	0.0475	0.200	pCi/g					
Cerium-139	U	-0.00573	+/-0.0179	0.0283	0.050	pCi/g					
Cerium-141	UUI	0.00	+/-0.257	0.166	0.100	pCi/g					
Cerium-144	U	-0.124	+/-0.0944	0.164	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0275	0.0342	0.100	pCi/g					
Cesium-136	U	0.336	+/-1.15	2.00	0.300	pCi/g					
Cesium-137		0.0759	+/-0.0266	0.0273	0.100	pCi/g					
Chromium-51	U	-0.235	+/-0.663	1.20	0.600	pCi/g					
Cobalt-56	U	0.0202	+/-0.0274	0.0495	0.100	pCi/g					
Cobalt-57	U	0.0113	+/-0.0143	0.0209	0.050	pCi/g					
Cobalt-58	U	-0.0147	+/-0.0289	0.0501	0.100	pCi/g					
Cobalt-60		0.0494	+/-0.0239	0.0252	0.100	pCi/g					
Europium-152	U	-0.00866	+/-0.0349	0.063	0.200	pCi/g					
Europium-154	U	-0.0162	+/-0.0522	0.0776	0.500	pCi/g					
Europium-155	U	0.0718	+/-0.0485	0.0768	0.500	pCi/g					
Iridium-192	U	-0.00339	+/-0.0224	0.0409	0.100	pCi/g					
Iron-59	U	-0.0677	+/-0.0947	0.157	0.300	pCi/g					
Lead-210		0.496	+/-0.446	0.397	4.00	pCi/g					
Lead-212		0.864	+/-0.0858	0.0384	0.100	pCi/g					
Lead-214		0.684	+/-0.0822	0.0456	0.100	pCi/g					
Manganese-54	U	0.00866	+/-0.0255	0.0313	0.100	pCi/g					
Mercury-203	U	0.0269	+/-0.0634	0.0668	0.100	pCi/g					
Neodymium-147	U	5.92	+/-9.37	21.2	1000	pCi/g					
Neptunium-239	U	0.0985	+/-0.0796	0.131	2.00	pCi/g					
Niobium-94	U	-0.00291	+/-0.0132	0.0235	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-0.143	0.117	0.050	pCi/g					
Potassium-40		14.1	+/-1.04	0.222	1.00	pCi/g					
Promethium-144	U	-0.000348	+/-0.0157	0.028	0.080	pCi/g					
Promethium-146	U	0.0195	+/-0.0193	0.031	1.00	pCi/g					
Radium-228		0.861	+/-0.145	0.0891	0.500	pCi/g					
Ruthenium-106	U	-0.062	+/-0.137	0.244	0.800	pCi/g					

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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-39
Sample ID: 152807022

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.0177	+/-0.0185	0.0301	0.080	pCi/g					
Sodium-22	U	-0.0061	+/-0.0193	0.0287	0.080	pCi/g					
Thallium-208		0.272	+/-0.0438	0.0267	0.080	pCi/g					
Thorium-230		0.636	+/-0.0831	0.0475	1.00	pCi/g					
Thorium-234		5.84	+/-1.10	0.449	2.00	pCi/g					
Tin-113	U	-0.015	+/-0.0244	0.043	0.100	pCi/g					
Uranium-235		1.40	+/-0.294	0.219	0.500	pCi/g					
Uranium-238		5.84	+/-1.10	0.449	1.00	pCi/g					
Yttrium-88	U	0.00747	+/-0.0197	0.0353	0.100	pCi/g					
Zinc-65	U	0.0589	+/-0.0487	0.0762	0.300	pCi/g					
Zirconium-95	U	-0.0513	+/-0.0561	0.0963	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-64
Sample ID: 152807020
Matrix: Soil
Collect Date: 20-OCT-05 15:59
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.937	+/-0.124	0.0887	0.800	pCi/g		MJH1 01/06/06	1137	491298	1
Americium-241	U	0.00894	+/-0.0856	0.155	0.200	pCi/g					
Antimony-124	U	0.0153	+/-0.0613	0.101	0.100	pCi/g					
Antimony-125	U	-0.0233	+/-0.0416	0.0645	0.200	pCi/g					
Barium-133	U	-0.00636	+/-0.0184	0.0295	0.100	pCi/g					
Barium-140	U	0.547	+/-3.15	5.03	0.500	pCi/g					
Beryllium-7	U	-0.00505	+/-0.270	0.488	0.700	pCi/g					
Bismuth-212		0.491	+/-0.228	0.190	0.500	pCi/g					
Bismuth-214		0.584	+/-0.0686	0.0491	0.200	pCi/g					
Cerium-139	U	-0.00597	+/-0.0172	0.0312	0.050	pCi/g					
Cerium-141	U	0.00152	+/-0.0984	0.189	0.100	pCi/g					
Cerium-144	U	-0.0035	+/-0.102	0.190	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0297	0.0365	0.100	pCi/g					
Cesium-136	U	0.210	+/-1.12	2.01	0.300	pCi/g					
Cesium-137	U	-0.00254	+/-0.0147	0.0256	0.100	pCi/g					
Chromium-51	U	0.229	+/-0.742	1.31	0.600	pCi/g					
Cobalt-56	U	0.00783	+/-0.0257	0.0474	0.100	pCi/g					
Cobalt-57	U	-0.00403	+/-0.0124	0.0231	0.050	pCi/g					
Cobalt-58	U	0.00603	+/-0.0248	0.0461	0.100	pCi/g					
Cobalt-60	U	0.00686	+/-0.0185	0.0288	0.100	pCi/g					
Europium-152	U	-0.0221	+/-0.0365	0.0662	0.200	pCi/g					
Europium-154	U	0.0146	+/-0.0486	0.0861	0.500	pCi/g					
Europium-155	U	0.0687	+/-0.0699	0.0894	0.500	pCi/g					
Iridium-192	U	-0.0235	+/-0.0254	0.0423	0.100	pCi/g					
Iron-59	U	-0.0382	+/-0.0906	0.155	0.300	pCi/g					
Lead-210	U	1.29	+/-2.66	4.97	4.00	pCi/g					
Lead-212		0.924	+/-0.0519	0.0434	0.100	pCi/g					
Lead-214		0.747	+/-0.0715	0.0469	0.100	pCi/g					
Manganese-54	U	0.00469	+/-0.017	0.0312	0.100	pCi/g					
Mercury-203	U	-0.000898	+/-0.0428	0.0753	0.100	pCi/g					
Neodymium-147	UUI	0.00	+/-10.2	18.9	1000	pCi/g					
Neptunium-239	U	0.0181	+/-0.0795	0.152	2.00	pCi/g					
Niobium-94	U	0.00405	+/-0.0127	0.0226	1.00	pCi/g					
Niobium-95	U	0.0796	+/-0.185	0.111	0.050	pCi/g					
Potassium-40		18.3	+/-0.728	0.204	1.00	pCi/g					
Promethium-144	U	0.00566	+/-0.0152	0.027	0.080	pCi/g					
Promethium-146	U	-0.00448	+/-0.0161	0.0289	1.00	pCi/g					
Radium-228		0.937	+/-0.124	0.0887	0.500	pCi/g					
Ruthenium-106	U	-0.0845	+/-0.138	0.236	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-64
Sample ID: 152807020

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.00926	+/-0.0152	0.0258	0.080	pCi/g					
Sodium-22	U	0.00544	+/-0.018	0.0319	0.080	pCi/g					
Thallium-208		0.263	+/-0.0356	0.0261	0.080	pCi/g					
Thorium-230		0.583	+/-0.0686	0.049	1.00	pCi/g					
Thorium-234	U	1.09	+/-1.07	1.16	2.00	pCi/g					
Tin-113	U	0.00235	+/-0.0251	0.0464	0.100	pCi/g					
Uranium-235	U	0.00173	+/-0.112	0.176	0.500	pCi/g					
Uranium-238	U	1.09	+/-1.07	1.16	1.00	pCi/g					
Yttrium-88	U	0.00866	+/-0.0179	0.0345	0.100	pCi/g					
Zinc-65	U	-0.00305	+/-0.0706	0.0707	0.300	pCi/g					
Zirconium-95	U	0.0117	+/-0.0508	0.0942	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

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Company : MACTEC Constructors
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID:	MAC-0510-69	Project:	MCTC00402
Sample ID:	152807011	Client ID:	MCTC002
Matrix:	Soil		
Collect Date:	20-OCT-05 15:20		
Receive Date:	29-DEC-05		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.966	+/-0.216	0.126	0.800	pCi/g		MJH1 01/06/06	0703	491298	1
Americium-241	U	0.014	+/-0.0386	0.0601	0.200	pCi/g					
Antimony-124	U	0.0177	+/-0.0696	0.137	0.100	pCi/g					
Antimony-125	U	-0.00774	+/-0.0545	0.0983	0.200	pCi/g					
Barium-133	U	0.00742	+/-0.0265	0.043	0.100	pCi/g					
Barium-140	U	0.380	+/-4.21	7.62	0.500	pCi/g					
Beryllium-7	U	0.105	+/-0.444	0.711	0.700	pCi/g					
Bismuth-212		0.379	+/-0.290	0.297	0.500	pCi/g					
Bismuth-214		0.621	+/-0.122	0.0701	0.200	pCi/g					
Cerium-139	U	-0.00596	+/-0.0221	0.0392	0.050	pCi/g					
Cerium-141	U	0.054	+/-0.126	0.231	0.100	pCi/g					
Cerium-144	U	0.0277	+/-0.144	0.230	0.500	pCi/g					
Cesium-134	U	0.0407	+/-0.0283	0.0476	0.100	pCi/g					
Cesium-136	U	0.054	+/-1.56	2.84	0.300	pCi/g					
Cesium-137	U	-0.00541	+/-0.022	0.0384	0.100	pCi/g					
Chromium-51	U	-0.28	+/-0.940	1.71	0.600	pCi/g					
Cobalt-56	U	0.0261	+/-0.0395	0.0752	0.100	pCi/g					
Cobalt-57	U	0.00434	+/-0.0154	0.0282	0.050	pCi/g					
Cobalt-58	U	-0.0174	+/-0.0397	0.0676	0.100	pCi/g					
Cobalt-60	U	0.0199	+/-0.0224	0.0434	0.100	pCi/g					
Europium-152	U	-0.0221	+/-0.0543	0.0978	0.200	pCi/g					
Europium-154	U	-0.0333	+/-0.067	0.115	0.500	pCi/g					
Europium-155	U	0.00663	+/-0.0516	0.095	0.500	pCi/g					
Iridium-192	U	-0.0106	+/-0.0329	0.0598	0.100	pCi/g					
Iron-59	U	0.0511	+/-0.131	0.243	0.300	pCi/g					
Lead-210		0.629	+/-0.555	0.506	4.00	pCi/g					
Lead-212		0.891	+/-0.113	0.0569	0.100	pCi/g					
Lead-214		0.750	+/-0.113	0.0695	0.100	pCi/g					
Manganese-54	U	0.025	+/-0.0384	0.0444	0.100	pCi/g					
Mercury-203	U	0.0488	+/-0.0556	0.106	0.100	pCi/g					
Neodymium-147	U	5.24	+/-15.8	29.0	1000	pCi/g					
Neptunium-239	U	0.00479	+/-0.0939	0.172	2.00	pCi/g					
Niobium-94	U	-0.00431	+/-0.0195	0.0339	1.00	pCi/g					
Niobium-95	U	0.0335	+/-0.106	0.166	0.050	pCi/g					
Potassium-40		15.1	+/-1.31	0.326	1.00	pCi/g					
Promethium-144	U	-0.00833	+/-0.023	0.0397	0.080	pCi/g					
Promethium-146	U	0.0107	+/-0.0232	0.0432	1.00	pCi/g					
Radium-228		0.966	+/-0.216	0.126	0.500	pCi/g					
Ruthenium-106	U	0.0291	+/-0.210	0.377	0.800	pCi/g					

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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-69
Sample ID: 152807011

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.0048	+/-0.0239	0.0419	0.080	pCi/g					
Sodium-22	U	-0.0125	+/-0.0247	0.0425	0.080	pCi/g					
Thallium-208		0.291	+/-0.057	0.0383	0.080	pCi/g					
Thorium-230		0.621	+/-0.122	0.0701	1.00	pCi/g					
Thorium-234		0.854	+/-0.516	0.544	2.00	pCi/g					
Tin-113	U	0.0131	+/-0.0366	0.0677	0.100	pCi/g					
Uranium-235	U	-0.0105	+/-0.111	0.199	0.500	pCi/g					
Uranium-238		0.854	+/-0.516	0.544	1.00	pCi/g					
Yttrium-88	U	0.00177	+/-0.0284	0.0545	0.100	pCi/g					
Zinc-65	U	0.045	+/-0.0692	0.114	0.300	pCi/g					
Zirconium-95	U	0.0444	+/-0.0845	0.154	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-75
Sample ID: 152807019
Matrix: Soil
Collect Date: 20-OCT-05 15:39
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.14	+/-0.210	0.129	0.800	pCi/g		MJH1 01/06/06	1136	491298	1
Americium-241	U	-0.0663	+/-0.152	0.288	0.200	pCi/g					
Antimony-124	U	-0.0142	+/-0.0679	0.126	0.100	pCi/g					
Antimony-125	U	0.0278	+/-0.0558	0.104	0.200	pCi/g					
Barium-133	U	-0.0179	+/-0.0286	0.0442	0.100	pCi/g					
Barium-140	U	0.540	+/-4.15	7.52	0.500	pCi/g					
Beryllium-7	U	0.0573	+/-0.424	0.771	0.700	pCi/g					
Bismuth-212		0.872	+/-0.340	0.282	0.500	pCi/g					
Bismuth-214		0.813	+/-0.113	0.0687	0.200	pCi/g					
Cerium-139	U	-0.0113	+/-0.0258	0.0457	0.050	pCi/g					
Cerium-141	U	0.0622	+/-0.172	0.284	0.100	pCi/g					
Cerium-144	U	0.0406	+/-0.157	0.289	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.028	0.0491	0.100	pCi/g					
Cesium-136	U	0.494	+/-2.47	2.71	0.300	pCi/g					
Cesium-137	U	0.0301	+/-0.0231	0.0351	0.100	pCi/g					
Chromium-51	U	-0.428	+/-1.06	1.94	0.600	pCi/g					
Cobalt-56	U	-0.00405	+/-0.0378	0.0686	0.100	pCi/g					
Cobalt-57	U	-0.00213	+/-0.0193	0.0355	0.050	pCi/g					
Cobalt-58	U	-0.00367	+/-0.0396	0.0631	0.100	pCi/g					
Cobalt-60	U	-0.0004	+/-0.0226	0.040	0.100	pCi/g					
Europium-152	U	-0.0145	+/-0.0617	0.113	0.200	pCi/g					
Europium-154	U	0.0241	+/-0.0815	0.128	0.500	pCi/g					
Europium-155	U	0.0522	+/-0.0916	0.137	0.500	pCi/g					
Iridium-192	U	0.0196	+/-0.0372	0.0706	0.100	pCi/g					
Iron-59	U	0.0284	+/-0.128	0.234	0.300	pCi/g					
Lead-210	U	-0.0121	+/-7.84	13.8	4.00	pCi/g					
Lead-212		1.18	+/-0.124	0.0676	0.100	pCi/g					
Lead-214		0.911	+/-0.116	0.075	0.100	pCi/g					
Manganese-54	U	0.0323	+/-0.0397	0.0412	0.100	pCi/g					
Mercury-203	U	0.0816	+/-0.0736	0.120	0.100	pCi/g					
Neodymium-147	U	-9.71	+/-15.4	26.5	1000	pCi/g					
Neptunium-239	U	0.170	+/-0.152	0.232	2.00	pCi/g					
Niobium-94	U	0.005	+/-0.0199	0.0353	1.00	pCi/g					
Niobium-95	U	0.0465	+/-0.0986	0.165	0.050	pCi/g					
Potassium-40		17.5	+/-1.34	0.280	1.00	pCi/g					
Promethium-144	U	0.00721	+/-0.0224	0.040	0.080	pCi/g					
Promethium-146	U	0.0213	+/-0.0247	0.0471	1.00	pCi/g					
Radium-228		1.14	+/-0.210	0.129	0.500	pCi/g					
Ruthenium-106	U	-0.117	+/-0.198	0.335	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-75
Sample ID: 152807019

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.0159	+/-0.0227	0.0381	0.080	pCi/g					
Sodium-22	U	0.00852	+/-0.0301	0.0473	0.080	pCi/g					
Thallium-208		0.374	+/-0.056	0.0404	0.080	pCi/g					
Thorium-230		0.813	+/-0.113	0.0687	1.00	pCi/g					
Thorium-234	U	0.698	+/-1.67	2.36	2.00	pCi/g					
Tin-113	U	-0.0012	+/-0.0388	0.0709	0.100	pCi/g					
Uranium-235	U	0.238	+/-0.204	0.240	0.500	pCi/g					
Uranium-238	U	0.698	+/-1.67	2.36	1.00	pCi/g					
Yttrium-88	U	-0.00716	+/-0.0335	0.0512	0.100	pCi/g					
Zinc-65	U	-0.0173	+/-0.0692	0.104	0.300	pCi/g					
Zirconium-95	U	-0.0155	+/-0.0746	0.136	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC–0510–79
Sample ID: 152807001
Matrix: Soil
Collect Date: 20–OCT–05 15:25
Receive Date: 29–DEC–05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium–228		1.02	+/–0.221	0.141	0.800	pCi/g		MJH1 01/05/06	1718	491298	1
Americium–241	U	0.00656	+/–0.0357	0.0591	0.200	pCi/g					
Antimony–124	U	0.0738	+/–0.0937	0.172	0.100	pCi/g					
Antimony–125	U	–0.00402	+/–0.0552	0.0998	0.200	pCi/g					
Barium–133	U	–0.0054	+/–0.0273	0.0427	0.100	pCi/g					
Barium–140	U	2.22	+/–4.42	8.04	0.500	pCi/g					
Beryllium–7	U	0.151	+/–0.434	0.795	0.700	pCi/g					
Bismuth–212		0.610	+/–0.271	0.310	0.500	pCi/g					
Bismuth–214		0.701	+/–0.110	0.0742	0.200	pCi/g					
Cerium–139	U	0.00322	+/–0.023	0.0413	0.050	pCi/g					
Cerium–141	U	0.0383	+/–0.129	0.235	0.100	pCi/g					
Cerium–144	U	0.108	+/–0.142	0.231	0.500	pCi/g					
Cesium–134	U	0.0502	+/–0.0272	0.0503	0.100	pCi/g					
Cesium–136	U	0.823	+/–1.58	2.96	0.300	pCi/g					
Cesium–137	U	0.00272	+/–0.0219	0.0391	0.100	pCi/g					
Chromium–51	U	–0.279	+/–0.985	1.79	0.600	pCi/g					
Cobalt–56	U	0.0113	+/–0.038	0.0711	0.100	pCi/g					
Cobalt–57	U	–0.00138	+/–0.0159	0.0287	0.050	pCi/g					
Cobalt–58	U	–0.0114	+/–0.0409	0.0705	0.100	pCi/g					
Cobalt–60	U	–0.00454	+/–0.0242	0.0426	0.100	pCi/g					
Europium–152	U	0.0368	+/–0.0614	0.101	0.200	pCi/g					
Europium–154	U	0.0899	+/–0.0703	0.137	0.500	pCi/g					
Europium–155	U	0.0336	+/–0.0543	0.101	0.500	pCi/g					
Iridium–192	U	0.0188	+/–0.0334	0.0628	0.100	pCi/g					
Iron–59	U	0.0327	+/–0.137	0.251	0.300	pCi/g					
Lead–210		0.657	+/–0.592	0.529	4.00	pCi/g					
Lead–212		1.01	+/–0.123	0.0569	0.100	pCi/g					
Lead–214		0.775	+/–0.119	0.0674	0.100	pCi/g					
Manganese–54	U	–0.0146	+/–0.0273	0.041	0.100	pCi/g					
Mercury–203	U	0.0818	+/–0.078	0.0956	0.100	pCi/g					
Neodymium–147	U	–3.59	+/–16.1	28.5	1000	pCi/g					
Neptunium–239	U	–0.00917	+/–0.113	0.179	2.00	pCi/g					
Niobium–94	U	0.0208	+/–0.0194	0.0365	1.00	pCi/g					
Niobium–95	U	0.128	+/–0.102	0.174	0.050	pCi/g					
Potassium–40		17.2	+/–1.38	0.294	1.00	pCi/g					
Promethium–144	U	–0.00521	+/–0.0263	0.0393	0.080	pCi/g					
Promethium–146	U	–0.00188	+/–0.0279	0.0436	1.00	pCi/g					
Radium–228		1.02	+/–0.221	0.141	0.500	pCi/g					
Ruthenium–106	U	–0.0738	+/–0.212	0.370	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-79
Sample ID: 152807001

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.023	+/-0.028	0.0395	0.080	pCi/g					
Sodium-22	U	0.0334	+/-0.0259	0.0507	0.080	pCi/g					
Thallium-208		0.353	+/-0.0645	0.0364	0.080	pCi/g					
Thorium-230		0.701	+/-0.110	0.0742	1.00	pCi/g					
Thorium-234		1.03	+/-0.510	0.554	2.00	pCi/g					
Tin-113	U	-0.0379	+/-0.0381	0.0661	0.100	pCi/g					
Uranium-235	U	-0.0602	+/-0.117	0.206	0.500	pCi/g					
Uranium-238		1.03	+/-0.510	0.554	1.00	pCi/g					
Yttrium-88	U	-0.00707	+/-0.0241	0.0446	0.100	pCi/g					
Zinc-65	U	0.0318	+/-0.0658	0.107	0.300	pCi/g					
Zirconium-95	U	-0.00431	+/-0.079	0.139	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-81
Sample ID: 152807033
Matrix: Soil
Collect Date: 20-OCT-05 07:30
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.886	+/-0.168	0.133	0.800	pCi/g		MJH1 01/08/06	1236	491299	1
Americium-241	U	-0.0555	+/-0.124	0.219	0.200	pCi/g					
Antimony-124	U	0.0125	+/-0.0885	0.170	0.100	pCi/g					
Antimony-125	U	0.016	+/-0.0469	0.0897	0.200	pCi/g					
Barium-133	U	-0.0764	+/-0.0268	0.0422	0.100	pCi/g					
Barium-140	U	-0.291	+/-4.83	8.76	0.500	pCi/g					
Beryllium-7	U	0.392	+/-0.414	0.809	0.700	pCi/g					
Bismuth-212		0.567	+/-0.274	0.327	0.500	pCi/g					
Bismuth-214		0.530	+/-0.0882	0.0624	0.200	pCi/g					
Cerium-139	U	0.00255	+/-0.025	0.0466	0.050	pCi/g					
Cerium-141	U	-0.108	+/-0.145	0.263	0.100	pCi/g					
Cerium-144	U	-0.0125	+/-0.138	0.261	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0409	0.0512	0.100	pCi/g					
Cesium-136	U	-0.307	+/-1.99	3.06	0.300	pCi/g					
Cesium-137	U	-0.00287	+/-0.0254	0.039	0.100	pCi/g					
Chromium-51	U	-0.28	+/-1.05	1.82	0.600	pCi/g					
Cobalt-56	U	-0.00721	+/-0.0376	0.0684	0.100	pCi/g					
Cobalt-57	U	0.00827	+/-0.0178	0.0346	0.050	pCi/g					
Cobalt-58	U	-0.023	+/-0.036	0.0634	0.100	pCi/g					
Cobalt-60	U	0.00481	+/-0.0215	0.0395	0.100	pCi/g					
Europium-152	U	-0.0376	+/-0.0535	0.0967	0.200	pCi/g					
Europium-154	U	-0.0216	+/-0.0709	0.122	0.500	pCi/g					
Europium-155	U	0.0581	+/-0.0677	0.135	0.500	pCi/g					
Iridium-192	U	-0.00843	+/-0.0374	0.0651	0.100	pCi/g					
Iron-59	U	0.0266	+/-0.130	0.239	0.300	pCi/g					
Lead-210	U	0.610	+/-3.86	6.68	4.00	pCi/g					
Lead-212		0.871	+/-0.071	0.066	0.100	pCi/g					
Lead-214		0.653	+/-0.0877	0.065	0.100	pCi/g					
Manganese-54		0.0493	+/-0.0225	0.0365	0.100	pCi/g					
Mercury-203	U	0.0661	+/-0.0671	0.115	0.100	pCi/g					
Neodymium-147	U	-7.53	+/-18.6	33.0	1000	pCi/g					
Neptunium-239	U	-0.101	+/-0.112	0.205	2.00	pCi/g					
Niobium-94	U	0.00247	+/-0.0199	0.0354	1.00	pCi/g					
Niobium-95	U	0.069	+/-0.143	0.173	0.050	pCi/g					
Potassium-40		17.6	+/-1.07	0.324	1.00	pCi/g					
Promethium-144	U	0.00483	+/-0.0238	0.0426	0.080	pCi/g					
Promethium-146	U	0.020	+/-0.0246	0.0478	1.00	pCi/g					
Radium-228		0.886	+/-0.168	0.133	0.500	pCi/g					
Ruthenium-106	U	0.0598	+/-0.190	0.351	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : MACTEC Constructors
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-81
Sample ID: 152807033

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.00445	+/-0.0236	0.0415	0.080	pCi/g					
Sodium-22	U	-0.0079	+/-0.0263	0.0451	0.080	pCi/g					
Thallium-208		0.264	+/-0.0468	0.0437	0.080	pCi/g					
Thorium-230		0.530	+/-0.0882	0.0623	1.00	pCi/g					
Thorium-234	U	0.139	+/-1.57	1.79	2.00	pCi/g					
Tin-113	U	0.0192	+/-0.0359	0.0645	0.100	pCi/g					
Uranium-235	U	0.0458	+/-0.120	0.230	0.500	pCi/g					
Uranium-238	U	0.139	+/-1.57	1.79	1.00	pCi/g					
Yttrium-88	U	0.0132	+/-0.0267	0.0547	0.100	pCi/g					
Zinc-65	U	-0.000416	+/-0.061	0.095	0.300	pCi/g					
Zirconium-95	U	-0.0292	+/-0.0734	0.133	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-83
Sample ID: 152807021
Matrix: Soil
Collect Date: 20-OCT-05 07:30
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.934	+/-0.152	0.0905	0.800	pCi/g		MJH1 01/06/06	1758	491299	1
Americium-241	U	0.0356	+/-0.102	0.167	0.200	pCi/g					
Antimony-124	U	-0.0247	+/-0.0608	0.106	0.100	pCi/g					
Antimony-125	U	0.0299	+/-0.039	0.0729	0.200	pCi/g					
Barium-133	U	0.000905	+/-0.0201	0.0325	0.100	pCi/g					
Barium-140	U	-1.74	+/-3.37	5.79	0.500	pCi/g					
Beryllium-7	U	0.0955	+/-0.320	0.579	0.700	pCi/g					
Bismuth-212		0.543	+/-0.263	0.218	0.500	pCi/g					
Bismuth-214		0.600	+/-0.0769	0.0543	0.200	pCi/g					
Cerium-139	U	-0.0102	+/-0.0185	0.0327	0.050	pCi/g					
Cerium-141	U	0.0877	+/-0.134	0.200	0.100	pCi/g					
Cerium-144	U	-0.0028	+/-0.110	0.201	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0323	0.0381	0.100	pCi/g					
Cesium-136	U	0.0534	+/-1.28	2.26	0.300	pCi/g					
Cesium-137	U	0.0181	+/-0.0134	0.028	0.100	pCi/g					
Chromium-51	U	-0.277	+/-0.933	1.39	0.600	pCi/g					
Cobalt-56	U	-0.013	+/-0.0297	0.0518	0.100	pCi/g					
Cobalt-57	U	-0.0122	+/-0.0134	0.0239	0.050	pCi/g					
Cobalt-58	U	-0.012	+/-0.0284	0.0499	0.100	pCi/g					
Cobalt-60	U	-0.00188	+/-0.0178	0.0305	0.100	pCi/g					
Europium-152	U	-0.000945	+/-0.0402	0.0735	0.200	pCi/g					
Europium-154	U	-0.0228	+/-0.0497	0.0829	0.500	pCi/g					
Europium-155	U	0.0892	+/-0.0607	0.0916	0.500	pCi/g					
Iridium-192	U	-0.00395	+/-0.028	0.0476	0.100	pCi/g					
Iron-59	U	-0.0541	+/-0.106	0.179	0.300	pCi/g					
Lead-210	U	-0.566	+/-3.25	5.29	4.00	pCi/g					
Lead-212		1.01	+/-0.0568	0.0437	0.100	pCi/g					
Lead-214		0.765	+/-0.0789	0.0518	0.100	pCi/g					
Manganese-54	U	0.0265	+/-0.029	0.036	0.100	pCi/g					
Mercury-203	U	0.0393	+/-0.0523	0.0841	0.100	pCi/g					
Neodymium-147	U	-0.281	+/-12.6	22.3	1000	pCi/g					
Neptunium-239	U	-0.00157	+/-0.089	0.165	2.00	pCi/g					
Niobium-94	U	-0.00631	+/-0.0149	0.025	1.00	pCi/g					
Niobium-95	U	0.0413	+/-0.120	0.133	0.050	pCi/g					
Potassium-40		19.2	+/-0.795	0.254	1.00	pCi/g					
Promethium-144	U	0.00577	+/-0.020	0.0307	0.080	pCi/g					
Promethium-146	U	0.00593	+/-0.0187	0.0341	1.00	pCi/g					
Radium-228		0.934	+/-0.152	0.0905	0.500	pCi/g					
Ruthenium-106	U	-0.0177	+/-0.153	0.265	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-83
Sample ID: 152807021

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.0106	+/-0.0198	0.0286	0.080	pCi/g					
Sodium-22	U	-0.00836	+/-0.0184	0.0307	0.080	pCi/g					
Thallium-208		0.295	+/-0.0393	0.0299	0.080	pCi/g					
Thorium-230		0.600	+/-0.0769	0.0543	1.00	pCi/g					
Thorium-234	U	0.812	+/-0.938	1.21	2.00	pCi/g					
Tin-113	U	0.016	+/-0.0301	0.0498	0.100	pCi/g					
Uranium-235	U	0.0925	+/-0.139	0.182	0.500	pCi/g					
Uranium-238	U	0.812	+/-0.938	1.21	1.00	pCi/g					
Yttrium-88	U	-0.000439	+/-0.0205	0.0371	0.100	pCi/g					
Zinc-65	U	0.0223	+/-0.0482	0.0762	0.300	pCi/g					
Zirconium-95	U	0.0329	+/-0.0682	0.111	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-88
Sample ID: 152807018
Matrix: Soil
Collect Date: 20-OCT-05 07:30
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.882	+/-0.226	0.153	0.800	pCi/g		MJH1 01/06/06	1136	491298	1
Americium-241	U	0.0122	+/-0.0377	0.0652	0.200	pCi/g					
Antimony-124	U	0.0906	+/-0.0993	0.198	0.100	pCi/g					
Antimony-125	U	-0.0166	+/-0.064	0.113	0.200	pCi/g					
Barium-133	U	-0.0147	+/-0.030	0.0462	0.100	pCi/g					
Barium-140	U	-2.39	+/-6.42	9.43	0.500	pCi/g					
Beryllium-7	U	0.196	+/-0.532	0.843	0.700	pCi/g					
Bismuth-212		0.795	+/-0.364	0.345	0.500	pCi/g					
Bismuth-214		0.619	+/-0.110	0.0746	0.200	pCi/g					
Cerium-139	U	-0.0172	+/-0.0251	0.0436	0.050	pCi/g					
Cerium-141	U	0.0199	+/-0.151	0.252	0.100	pCi/g					
Cerium-144	U	-0.0276	+/-0.140	0.251	0.500	pCi/g					
Cesium-134	U	0.048	+/-0.0535	0.0595	0.100	pCi/g					
Cesium-136	U	1.05	+/-2.94	3.84	0.300	pCi/g					
Cesium-137	U	-0.0152	+/-0.0237	0.0415	0.100	pCi/g					
Chromium-51	U	-0.174	+/-1.07	1.94	0.600	pCi/g					
Cobalt-56	U	0.00118	+/-0.0464	0.0826	0.100	pCi/g					
Cobalt-57	U	0.0122	+/-0.0167	0.0309	0.050	pCi/g					
Cobalt-58	U	-0.0301	+/-0.0479	0.0822	0.100	pCi/g					
Cobalt-60	U	-0.00128	+/-0.0256	0.0457	0.100	pCi/g					
Europium-152	U	-0.0474	+/-0.0608	0.106	0.200	pCi/g					
Europium-154	U	-0.0189	+/-0.0759	0.134	0.500	pCi/g					
Europium-155	U	0.0546	+/-0.0821	0.109	0.500	pCi/g					
Iridium-192	U	-0.00924	+/-0.0373	0.0674	0.100	pCi/g					
Iron-59	U	0.00809	+/-0.162	0.282	0.300	pCi/g					
Lead-210		0.777	+/-0.551	0.582	4.00	pCi/g					
Lead-212		0.888	+/-0.102	0.0631	0.100	pCi/g					
Lead-214		0.680	+/-0.118	0.077	0.100	pCi/g					
Manganese-54	U	-0.00188	+/-0.0284	0.0503	0.100	pCi/g					
Mercury-203	U	0.0118	+/-0.0687	0.112	0.100	pCi/g					
Neodymium-147	U	18.0	+/-36.1	37.6	1000	pCi/g					
Neptunium-239	U	-0.135	+/-0.106	0.184	2.00	pCi/g					
Niobium-94	U	0.019	+/-0.0231	0.043	1.00	pCi/g					
Niobium-95	U	0.122	+/-0.110	0.208	0.050	pCi/g					
Potassium-40		14.7	+/-1.25	0.391	1.00	pCi/g					
Promethium-144	U	0.0061	+/-0.0272	0.0495	0.080	pCi/g					
Promethium-146	U	0.0196	+/-0.0286	0.0523	1.00	pCi/g					
Radium-228		0.882	+/-0.226	0.153	0.500	pCi/g					
Ruthenium-106	U	0.0485	+/-0.246	0.451	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC–0510–88
Sample ID: 152807018

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver–110m	U	0.0137	+/–0.0263	0.049	0.080	pCi/g					
Sodium–22	U	–0.00711	+/–0.0281	0.0495	0.080	pCi/g					
Thallium–208		0.349	+/–0.0625	0.0429	0.080	pCi/g					
Thorium–230		0.619	+/–0.110	0.0746	1.00	pCi/g					
Thorium–234		0.898	+/–0.639	0.631	2.00	pCi/g					
Tin–113	U	0.0127	+/–0.0403	0.0733	0.100	pCi/g					
Uranium–235	U	0.0201	+/–0.153	0.226	0.500	pCi/g					
Uranium–238		0.898	+/–0.639	0.631	1.00	pCi/g					
Yttrium–88	U	–0.0175	+/–0.0324	0.0541	0.100	pCi/g					
Zinc–65	U	0.00347	+/–0.0842	0.125	0.300	pCi/g					
Zirconium–95	U	0.132	+/–0.104	0.177	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL–RAD–A–021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC–0510–89
Sample ID: 152807016
Matrix: Soil
Collect Date: 20–OCT–05 07:30
Receive Date: 29–DEC–05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium–228		0.783	+/–0.172	0.109	0.800	pCi/g		MJH1 01/06/06	0921	491298	1
Americium–241	U	0.00269	+/–0.0204	0.0382	0.200	pCi/g					
Antimony–124	U	0.0449	+/–0.0742	0.137	0.100	pCi/g					
Antimony–125	U	0.0158	+/–0.039	0.0745	0.200	pCi/g					
Barium–133	U	0.00539	+/–0.0201	0.0323	0.100	pCi/g					
Barium–140	U	–0.224	+/–3.43	6.25	0.500	pCi/g					
Beryllium–7	U	–0.26	+/–0.357	0.549	0.700	pCi/g					
Bismuth–212		0.710	+/–0.235	0.234	0.500	pCi/g					
Bismuth–214		0.626	+/–0.0904	0.0501	0.200	pCi/g					
Cerium–139	U	0.00183	+/–0.0149	0.0283	0.050	pCi/g					
Cerium–141	UUI	0.00	+/–0.135	0.153	0.100	pCi/g					
Cerium–144	U	0.071	+/–0.114	0.162	0.500	pCi/g					
Cesium–134	UUI	0.00	+/–0.0255	0.044	0.100	pCi/g					
Cesium–136	U	–0.236	+/–1.38	2.47	0.300	pCi/g					
Cesium–137	U	–0.000207	+/–0.0172	0.0308	0.100	pCi/g					
Chromium–51	U	0.0589	+/–0.744	1.33	0.600	pCi/g					
Cobalt–56	U	0.00293	+/–0.0329	0.058	0.100	pCi/g					
Cobalt–57	U	–0.000889	+/–0.0102	0.0179	0.050	pCi/g					
Cobalt–58	U	0.00146	+/–0.0336	0.0594	0.100	pCi/g					
Cobalt–60	U	0.0145	+/–0.019	0.0363	0.100	pCi/g					
Europium–152	U	0.00529	+/–0.0401	0.0717	0.200	pCi/g					
Europium–154	U	0.032	+/–0.057	0.106	0.500	pCi/g					
Europium–155	UUI	0.00	+/–0.0611	0.061	0.500	pCi/g					
Iridium–192	U	–0.00699	+/–0.0253	0.0447	0.100	pCi/g					
Iron–59	U	0.0723	+/–0.118	0.221	0.300	pCi/g					
Lead–210		0.629	+/–0.392	0.326	4.00	pCi/g					
Lead–212		0.892	+/–0.106	0.0435	0.100	pCi/g					
Lead–214		0.672	+/–0.0912	0.0538	0.100	pCi/g					
Manganese–54	U	0.00133	+/–0.0242	0.0371	0.100	pCi/g					
Mercury–203	U	0.0646	+/–0.0407	0.0759	0.100	pCi/g					
Neodymium–147	U	–1.67	+/–12.6	22.9	1000	pCi/g					
Neptunium–239	U	–0.0348	+/–0.0679	0.117	2.00	pCi/g					
Niobium–94	U	–0.0016	+/–0.0156	0.0275	1.00	pCi/g					
Niobium–95	UUI	0.00	+/–0.123	0.161	0.050	pCi/g					
Potassium–40		14.2	+/–1.14	0.270	1.00	pCi/g					
Promethium–144	U	0.0278	+/–0.0183	0.0354	0.080	pCi/g					
Promethium–146	U	0.0107	+/–0.0189	0.0362	1.00	pCi/g					
Radium–228		0.783	+/–0.172	0.109	0.500	pCi/g					
Ruthenium–106	U	0.0158	+/–0.153	0.279	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0510-89
Sample ID: 152807016

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.00134	+/-0.0186	0.0336	0.080	pCi/g					
Sodium-22	U	0.0119	+/-0.0211	0.0392	0.080	pCi/g					
Thallium-208		0.299	+/-0.0491	0.0277	0.080	pCi/g					
Thorium-230		0.626	+/-0.0904	0.0501	1.00	pCi/g					
Thorium-234		0.838	+/-0.420	0.377	2.00	pCi/g					
Tin-113	U	0.00159	+/-0.0275	0.0484	0.100	pCi/g					
Uranium-235		0.223	+/-0.146	0.155	0.500	pCi/g					
Uranium-238		0.838	+/-0.420	0.377	1.00	pCi/g					
Yttrium-88	U	-0.0182	+/-0.0237	0.0391	0.100	pCi/g					
Zinc-65	U	0.0137	+/-0.0548	0.0875	0.300	pCi/g					
Zirconium-95	U	-0.0165	+/-0.069	0.120	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0511-6
Sample ID: 152807037
Matrix: Soil
Collect Date: 02-NOV-05 12:00
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.800	+/-0.173	0.122	0.800	pCi/g		MJH1 01/08/06	1650	491299	1
Americium-241	U	-0.0479	+/-0.0766	0.126	0.200	pCi/g					
Antimony-124	U	0.0278	+/-0.0604	0.122	0.100	pCi/g					
Antimony-125	U	0.0766	+/-0.0454	0.0874	0.200	pCi/g					
Barium-133	U	0.0111	+/-0.0217	0.0355	0.100	pCi/g					
Barium-140	U	0.184	+/-2.01	3.72	0.500	pCi/g					
Beryllium-7	U	0.161	+/-0.296	0.537	0.700	pCi/g					
Bismuth-212		0.616	+/-0.276	0.234	0.500	pCi/g					
Bismuth-214		0.549	+/-0.0879	0.0596	0.200	pCi/g					
Cerium-139	U	-0.0181	+/-0.0185	0.0312	0.050	pCi/g					
Cerium-141	U	-0.0051	+/-0.0901	0.160	0.100	pCi/g					
Cerium-144	U	-0.12	+/-0.108	0.183	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0308	0.0401	0.100	pCi/g					
Cesium-136	U	-0.588	+/-0.785	1.35	0.300	pCi/g					
Cesium-137	U	0.025	+/-0.0289	0.0327	0.100	pCi/g					
Chromium-51	U	-0.201	+/-0.645	1.15	0.600	pCi/g					
Cobalt-56	U	-0.0389	+/-0.0306	0.0485	0.100	pCi/g					
Cobalt-57	U	-0.00564	+/-0.0136	0.0241	0.050	pCi/g					
Cobalt-58	U	-0.00541	+/-0.031	0.0545	0.100	pCi/g					
Cobalt-60	U	0.00432	+/-0.0188	0.0346	0.100	pCi/g					
Europium-152	U	-0.0142	+/-0.0517	0.0798	0.200	pCi/g					
Europium-154	U	-0.0256	+/-0.0601	0.103	0.500	pCi/g					
Europium-155	U	0.0422	+/-0.0525	0.0977	0.500	pCi/g					
Iridium-192	U	0.0253	+/-0.0264	0.0497	0.100	pCi/g					
Iron-59	U	0.0707	+/-0.102	0.192	0.300	pCi/g					
Lead-210	U	1.55	+/-1.91	3.41	4.00	pCi/g					
Lead-212		0.787	+/-0.088	0.0486	0.100	pCi/g					
Lead-214		0.659	+/-0.0844	0.0562	0.100	pCi/g					
Manganese-54	U	0.0346	+/-0.0343	0.038	0.100	pCi/g					
Mercury-203	U	0.0656	+/-0.0594	0.0728	0.100	pCi/g					
Neodymium-147	U	4.43	+/-6.54	12.5	1000	pCi/g					
Neptunium-239	U	0.0321	+/-0.088	0.161	2.00	pCi/g					
Niobium-94	U	0.0201	+/-0.0204	0.0292	1.00	pCi/g					
Niobium-95	U	0.103	+/-0.0706	0.135	0.050	pCi/g					
Potassium-40		14.9	+/-1.25	0.283	1.00	pCi/g					
Promethium-144	U	0.0032	+/-0.0189	0.0301	0.080	pCi/g					
Promethium-146	U	0.0131	+/-0.0212	0.0386	1.00	pCi/g					
Radium-228		0.800	+/-0.173	0.122	0.500	pCi/g					
Ruthenium-106	U	-0.00872	+/-0.153	0.278	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0511-6
Sample ID: 152807037

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.00624	+/-0.0226	0.0345	0.080	pCi/g					
Sodium-22	U	-0.0095	+/-0.0221	0.038	0.080	pCi/g					
Thallium-208		0.257	+/-0.0439	0.0302	0.080	pCi/g					
Thorium-230		0.549	+/-0.0879	0.0596	1.00	pCi/g					
Thorium-234	U	0.974	+/-1.20	1.04	2.00	pCi/g					
Tin-113	U	-0.011	+/-0.0272	0.0474	0.100	pCi/g					
Uranium-235	U	0.0493	+/-0.0989	0.178	0.500	pCi/g					
Uranium-238	U	0.974	+/-1.20	1.04	1.00	pCi/g					
Yttrium-88	U	0.0175	+/-0.0202	0.0434	0.100	pCi/g					
Zinc-65	U	0.00662	+/-0.0636	0.099	0.300	pCi/g					
Zirconium-95	U	0.0459	+/-0.0583	0.110	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 13, 2006

Contact: Mr. Donell Jackson

Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0511-09
Sample ID: 152808002
Matrix: Sludge
Collect Date: 03-NOV-05 11:30
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.506	+/-0.217	0.202	0.800	pCi/g		ADD 01/12/06	1119	493387	1
Americium-241	U	-0.231	+/-0.282	0.443	0.200	pCi/g					
Antimony-124	U	0.0655	+/-0.115	0.258	0.100	pCi/g					
Antimony-125	U	0.016	+/-0.0725	0.133	0.200	pCi/g					
Barium-133	U	-0.0109	+/-0.037	0.056	0.100	pCi/g					
Barium-140	U	1.95	+/-4.21	7.76	0.500	pCi/g					
Beryllium-7	U	-0.393	+/-0.493	0.803	0.700	pCi/g					
Bismuth-212	U	0.193	+/-0.225	0.456	0.500	pCi/g					
Bismuth-214		0.566	+/-0.128	0.0886	0.200	pCi/g					
Cerium-139	U	0.0883	+/-0.0557	0.0937	0.050	pCi/g					
Cerium-141	UUI	0.00	+/-0.656	0.708	0.100	pCi/g					
Cerium-144	U	0.247	+/-0.282	0.509	0.500	pCi/g					
Cesium-134	U	0.0292	+/-0.0333	0.0676	0.100	pCi/g					
Cesium-136	U	-0.13	+/-1.54	2.81	0.300	pCi/g					
Cesium-137	U	0.0439	+/-0.041	0.0609	0.100	pCi/g					
Chromium-51	U	0.0867	+/-1.26	2.26	0.600	pCi/g					
Cobalt-56	U	-0.0386	+/-0.0437	0.0721	0.100	pCi/g					
Cobalt-57	UUI	0.00	+/-0.0697	0.0654	0.050	pCi/g					
Cobalt-58	U	-0.00358	+/-0.0509	0.0944	0.100	pCi/g					
Cobalt-60	U	0.00883	+/-0.0239	0.0499	0.100	pCi/g					
Europium-152	U	0.0112	+/-0.0914	0.145	0.200	pCi/g					
Europium-154	U	-0.0113	+/-0.0767	0.142	0.500	pCi/g					
Europium-155	UUI	0.00	+/-0.242	0.289	0.500	pCi/g					
Iridium-192	U	-0.0023	+/-0.0465	0.0832	0.100	pCi/g					
Iron-59	U	-0.122	+/-0.157	0.259	0.300	pCi/g					
Lead-210	U	-9.8	+/-11.3	17.8	4.00	pCi/g					
Lead-212		0.543	+/-0.109	0.085	0.100	pCi/g					
Lead-214		0.699	+/-0.128	0.090	0.100	pCi/g					
Manganese-54	U	0.0208	+/-0.0297	0.060	0.100	pCi/g					
Mercury-203	U	0.039	+/-0.0759	0.141	0.100	pCi/g					
Neodymium-147	U	-3.1	+/-13.0	22.7	1000	pCi/g					
Neptunium-239	U	-0.0142	+/-0.291	0.463	2.00	pCi/g					
Niobium-94	U	-0.000614	+/-0.0265	0.0492	1.00	pCi/g					
Niobium-95	U	-0.0472	+/-0.111	0.196	0.050	pCi/g					
Potassium-40		7.87	+/-1.14	0.515	1.00	pCi/g					
Promethium-144	U	0.00429	+/-0.0304	0.0573	0.080	pCi/g					
Promethium-146	U	0.00267	+/-0.0315	0.0573	1.00	pCi/g					
Radium-228		0.506	+/-0.217	0.202	0.500	pCi/g					
Ruthenium-106	U	-0.101	+/-0.273	0.492	0.800	pCi/g					

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 13, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0511-09
Sample ID: 152808002

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
High Rad Testing											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.0166	+/-0.0293	0.0531	0.080	pCi/g					
Sodium-22	U	-0.00382	+/-0.0283	0.0524	0.080	pCi/g					
Thallium-208		0.169	+/-0.0606	0.0537	0.080	pCi/g					
Thorium-230		0.566	+/-0.128	0.0885	1.00	pCi/g					
Thorium-234	U	0.848	+/-1.84	3.46	2.00	pCi/g					
Tin-113	U	-0.0532	+/-0.0476	0.0758	0.100	pCi/g					
Uranium-235		5.10	+/-1.03	0.430	0.500	pCi/g					
Uranium-238	U	0.848	+/-1.84	3.46	1.00	pCi/g					
Yttrium-88	U	-0.0045	+/-0.0232	0.0497	0.100	pCi/g					
Zinc-65	U	-0.0264	+/-0.0787	0.118	0.300	pCi/g					
Zirconium-95	U	0.0465	+/-0.0926	0.183	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	ADD	01/11/06	1046	493374

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

Notes:
The Qualifiers in this report are defined as follows :

B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
d The 2:1 depletion requirement was not met for this sample
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis except where prohibited by the analytical procedure.

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Windsor, Connecticut 06095

Report Date: January 13, 2006

Contact: Mr. Donell Jackson

Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0511-09
Sample ID: 152808002

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Reviewed by Matthew Harrison

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 – (843) 556–8171 – www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID:	MAC–0511–13	Project:	MCTC00402
Sample ID:	152807010	Client ID:	MCTC002
Matrix:	Soil		
Collect Date:	07–NOV–05 11:05		
Receive Date:	29–DEC–05		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium–228		0.837	+/–0.184	0.120	0.800	pCi/g		MJH1 01/05/06	2223	491298	1
Americium–241	U	–0.00558	+/–0.0275	0.0509	0.200	pCi/g					
Antimony–124	U	–0.0599	+/–0.0584	0.0917	0.100	pCi/g					
Antimony–125	U	–0.00868	+/–0.0479	0.0832	0.200	pCi/g					
Barium–133	U	–0.00978	+/–0.0241	0.0368	0.100	pCi/g					
Barium–140	U	–0.108	+/–1.57	2.68	0.500	pCi/g					
Beryllium–7	U	–0.0515	+/–0.306	0.526	0.700	pCi/g					
Bismuth–212		0.299	+/–0.260	0.279	0.500	pCi/g					
Bismuth–214		0.534	+/–0.0945	0.064	0.200	pCi/g					
Cerium–139	U	0.00647	+/–0.0194	0.0304	0.050	pCi/g					
Cerium–141	U	0.0269	+/–0.0791	0.125	0.100	pCi/g					
Cerium–144	U	0.0536	+/–0.102	0.182	0.500	pCi/g					
Cesium–134	UUI	0.00	+/–0.0388	0.045	0.100	pCi/g					
Cesium–136	U	0.398	+/–0.526	1.05	0.300	pCi/g					
Cesium–137	U	0.00234	+/–0.0194	0.0347	0.100	pCi/g					
Chromium–51	U	–0.0571	+/–0.540	0.962	0.600	pCi/g					
Cobalt–56	U	–0.0112	+/–0.0316	0.0543	0.100	pCi/g					
Cobalt–57	U	–0.0031	+/–0.0125	0.0221	0.050	pCi/g					
Cobalt–58	U	–0.000181	+/–0.0324	0.0568	0.100	pCi/g					
Cobalt–60	U	–0.00731	+/–0.0206	0.0355	0.100	pCi/g					
Europium–152	U	–0.00588	+/–0.0484	0.0857	0.200	pCi/g					
Europium–154	U	–0.0314	+/–0.0632	0.108	0.500	pCi/g					
Europium–155	U	0.0614	+/–0.0445	0.0819	0.500	pCi/g					
Iridium–192	U	–0.0041	+/–0.0252	0.0448	0.100	pCi/g					
Iron–59	U	–0.0148	+/–0.0996	0.168	0.300	pCi/g					
Lead–210	U	0.382	+/–0.404	0.444	4.00	pCi/g					
Lead–212		0.758	+/–0.0826	0.0482	0.100	pCi/g					
Lead–214		0.640	+/–0.0983	0.0592	0.100	pCi/g					
Manganese–54	U	0.00481	+/–0.0222	0.0391	0.100	pCi/g					
Mercury–203	U	0.0552	+/–0.0467	0.0652	0.100	pCi/g					
Neodymium–147	U	–1.14	+/–4.99	8.49	1000	pCi/g					
Neptunium–239	U	–0.02	+/–0.0808	0.144	2.00	pCi/g					
Niobium–94	U	0.0135	+/–0.0179	0.0326	1.00	pCi/g					
Niobium–95	U	0.0719	+/–0.0652	0.119	0.050	pCi/g					
Potassium–40		15.1	+/–1.17	0.310	1.00	pCi/g					
Promethium–144	U	–0.0129	+/–0.020	0.0344	0.080	pCi/g					
Promethium–146	U	–0.00943	+/–0.0232	0.0397	1.00	pCi/g					
Radium–228		0.837	+/–0.184	0.120	0.500	pCi/g					
Ruthenium–106	U	–0.144	+/–0.182	0.314	0.800	pCi/g					

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Certificate of Analysis

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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0511-13
Sample ID: 152807010

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.00426	+/-0.0204	0.0368	0.080	pCi/g					
Sodium-22	U	-0.0113	+/-0.0231	0.0396	0.080	pCi/g					
Thallium-208		0.260	+/-0.0473	0.0333	0.080	pCi/g					
Thorium-230		0.534	+/-0.0945	0.064	1.00	pCi/g					
Thorium-234	U	0.430	+/-0.523	0.477	2.00	pCi/g					
Tin-113	U	-0.00164	+/-0.0286	0.0503	0.100	pCi/g					
Uranium-235	U	0.048	+/-0.140	0.179	0.500	pCi/g					
Uranium-238	U	0.430	+/-0.523	0.477	1.00	pCi/g					
Yttrium-88	U	0.00857	+/-0.0215	0.0397	0.100	pCi/g					
Zinc-65	UUI	0.00	+/-0.0597	0.098	0.300	pCi/g					
Zirconium-95	U	-0.0134	+/-0.0605	0.106	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Company : MACTEC Constructors
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0511-23
Sample ID: 152807028
Matrix: Soil
Collect Date: 18-NOV-05 09:55
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.835	+/-0.164	0.0904	0.800	pCi/g		MJH1 01/06/06	2156	491299	1
Americium-241	U	0.0282	+/-0.0257	0.0418	0.200	pCi/g					
Antimony-124	U	-0.0358	+/-0.0457	0.0737	0.100	pCi/g					
Antimony-125	U	0.0255	+/-0.0371	0.0695	0.200	pCi/g					
Barium-133	U	0.0158	+/-0.0192	0.0308	0.100	pCi/g					
Barium-140	U	0.0323	+/-0.690	1.21	0.500	pCi/g					
Beryllium-7	U	0.171	+/-0.212	0.384	0.700	pCi/g					
Bismuth-212		0.562	+/-0.277	0.217	0.500	pCi/g					
Bismuth-214		0.542	+/-0.0836	0.054	0.200	pCi/g					
Cerium-139	U	0.00918	+/-0.0144	0.0254	0.050	pCi/g					
Cerium-141	U	0.0394	+/-0.052	0.0921	0.100	pCi/g					
Cerium-144	U	-0.0102	+/-0.0976	0.149	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.024	0.0355	0.100	pCi/g					
Cesium-136	U	-0.226	+/-0.284	0.477	0.300	pCi/g					
Cesium-137	U	-0.0145	+/-0.0169	0.0278	0.100	pCi/g					
Chromium-51	U	0.233	+/-0.365	0.664	0.600	pCi/g					
Cobalt-56	U	0.0214	+/-0.0223	0.0418	0.100	pCi/g					
Cobalt-57	U	-0.000598	+/-0.0105	0.0184	0.050	pCi/g					
Cobalt-58	U	-0.0093	+/-0.0239	0.0399	0.100	pCi/g					
Cobalt-60	UUI	0.00	+/-0.051	0.0282	0.100	pCi/g					
Europium-152	U	-0.0415	+/-0.0412	0.0705	0.200	pCi/g					
Europium-154	U	0.011	+/-0.0508	0.0901	0.500	pCi/g					
Europium-155	U	0.0595	+/-0.042	0.0664	0.500	pCi/g					
Iridium-192	U	-0.00436	+/-0.019	0.0337	0.100	pCi/g					
Iron-59	U	-0.0404	+/-0.0624	0.106	0.300	pCi/g					
Lead-210		0.893	+/-0.450	0.365	4.00	pCi/g					
Lead-212		0.808	+/-0.0958	0.0395	0.100	pCi/g					
Lead-214		0.655	+/-0.0911	0.0488	0.100	pCi/g					
Manganese-54	U	0.0116	+/-0.0172	0.0317	0.100	pCi/g					
Mercury-203	U	0.0403	+/-0.0377	0.0456	0.100	pCi/g					
Neodymium-147	U	0.602	+/-2.05	3.63	1000	pCi/g					
Neptunium-239	U	0.0612	+/-0.0707	0.127	2.00	pCi/g					
Niobium-94	U	-0.00378	+/-0.0158	0.0269	1.00	pCi/g					
Niobium-95	U	0.0484	+/-0.0466	0.0739	0.050	pCi/g					
Potassium-40		13.4	+/-1.02	0.258	1.00	pCi/g					
Promethium-144	U	0.00586	+/-0.017	0.0297	0.080	pCi/g					
Promethium-146	U	-0.00305	+/-0.0186	0.0325	1.00	pCi/g					
Radium-228		0.835	+/-0.164	0.0904	0.500	pCi/g					
Ruthenium-106	U	0.132	+/-0.151	0.271	0.800	pCi/g					

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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0511-23
Sample ID: 152807028

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.0144	+/-0.0169	0.0304	0.080	pCi/g					
Sodium-22	U	0.00404	+/-0.0185	0.0328	0.080	pCi/g					
Thallium-208		0.237	+/-0.0443	0.0281	0.080	pCi/g					
Thorium-230		0.542	+/-0.0836	0.054	1.00	pCi/g					
Thorium-234		0.552	+/-0.372	0.397	2.00	pCi/g					
Tin-113	U	-0.00234	+/-0.0229	0.0404	0.100	pCi/g					
Uranium-235	U	0.0515	+/-0.0839	0.148	0.500	pCi/g					
Uranium-238		0.552	+/-0.372	0.397	1.00	pCi/g					
Yttrium-88	U	-0.00287	+/-0.0145	0.0266	0.100	pCi/g					
Zinc-65	U	-0.0398	+/-0.0487	0.0684	0.300	pCi/g					
Zirconium-95	U	-0.0339	+/-0.0467	0.0767	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0511-25
Sample ID: 152807030
Matrix: Soil
Collect Date: 18-NOV-05 12:50
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.827	+/-0.0932	0.0597	0.800	pCi/g		MJH1 01/06/06	2200	491299	1
Americium-241	U	0.0133	+/-0.0632	0.112	0.200	pCi/g					
Antimony-124	U	0.0249	+/-0.0307	0.0581	0.100	pCi/g					
Antimony-125	U	0.0151	+/-0.0262	0.0478	0.200	pCi/g					
Barium-133	U	-0.0974	+/-0.0144	0.021	0.100	pCi/g					
Barium-140	U	-0.0223	+/-0.464	0.813	0.500	pCi/g					
Beryllium-7	U	0.0236	+/-0.140	0.249	0.700	pCi/g					
Bismuth-212		0.499	+/-0.179	0.141	0.500	pCi/g					
Bismuth-214		0.569	+/-0.0568	0.0347	0.200	pCi/g					
Cerium-139	U	-0.000595	+/-0.0109	0.0196	0.050	pCi/g					
Cerium-141	U	0.0167	+/-0.0456	0.0713	0.100	pCi/g					
Cerium-144	U	-0.00369	+/-0.0676	0.124	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0181	0.0243	0.100	pCi/g					
Cesium-136	U	-0.062	+/-0.187	0.320	0.300	pCi/g					
Cesium-137		0.0242	+/-0.0139	0.0204	0.100	pCi/g					
Chromium-51	U	-0.0539	+/-0.271	0.458	0.600	pCi/g					
Cobalt-56	U	-0.00568	+/-0.015	0.0262	0.100	pCi/g					
Cobalt-57	U	0.00809	+/-0.00856	0.0161	0.050	pCi/g					
Cobalt-58	U	0.00772	+/-0.0145	0.0264	0.100	pCi/g					
Cobalt-60	U	-0.00516	+/-0.0112	0.0185	0.100	pCi/g					
Europium-152	U	0.0129	+/-0.0275	0.0508	0.200	pCi/g					
Europium-154	U	-0.0133	+/-0.0353	0.0588	0.500	pCi/g					
Europium-155	U	0.0485	+/-0.0345	0.0662	0.500	pCi/g					
Iridium-192	U	0.000981	+/-0.014	0.0239	0.100	pCi/g					
Iron-59	U	0.0207	+/-0.0446	0.0751	0.300	pCi/g					
Lead-210	U	2.16	+/-2.80	3.33	4.00	pCi/g					
Lead-212		0.923	+/-0.0387	0.0303	0.100	pCi/g					
Lead-214		0.659	+/-0.0486	0.0336	0.100	pCi/g					
Manganese-54	U	0.0183	+/-0.0277	0.0197	0.100	pCi/g					
Mercury-203	U	0.012	+/-0.0228	0.0358	0.100	pCi/g					
Neodymium-147	U	0.329	+/-1.35	2.40	1000	pCi/g					
Neptunium-239	U	0.103	+/-0.0791	0.106	2.00	pCi/g					
Niobium-94	U	0.00657	+/-0.00966	0.017	1.00	pCi/g					
Niobium-95	UUI	0.00	+/-0.0283	0.0491	0.050	pCi/g					
Potassium-40		16.1	+/-0.521	0.161	1.00	pCi/g					
Promethium-144	U	0.00638	+/-0.0105	0.0184	0.080	pCi/g					
Promethium-146	U	0.0181	+/-0.0147	0.0217	1.00	pCi/g					
Radium-228		0.827	+/-0.0932	0.0597	0.500	pCi/g					
Ruthenium-106	U	-0.0136	+/-0.0981	0.169	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0511-25
Sample ID: 152807030

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	0.00432	+/-0.0117	0.018	0.080	pCi/g					
Sodium-22	U	-0.00463	+/-0.0129	0.0215	0.080	pCi/g					
Thallium-208		0.262	+/-0.0254	0.0183	0.080	pCi/g					
Thorium-230		0.569	+/-0.0568	0.0347	1.00	pCi/g					
Thorium-234	U	0.585	+/-0.825	0.897	2.00	pCi/g					
Tin-113	U	-0.00665	+/-0.0151	0.0268	0.100	pCi/g					
Uranium-235	U	0.0367	+/-0.0997	0.121	0.500	pCi/g					
Uranium-238	U	0.585	+/-0.825	0.897	1.00	pCi/g					
Yttrium-88	U	-0.0164	+/-0.0122	0.0188	0.100	pCi/g					
Zinc-65	U	0.0206	+/-0.0326	0.0504	0.300	pCi/g					
Zirconium-95	U	0.0049	+/-0.0268	0.0485	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

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Certificate of Analysis

Company : MACTEC Constructors
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Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0511-26
Sample ID: 152807017
Matrix: Soil
Collect Date: 18-NOV-05 13:15
Receive Date: 29-DEC-05
Collector: Client

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		1.06	+/-0.203	0.125	0.800	pCi/g		MJH1 01/06/06	1135	491298	1
Americium-241	U	0.0243	+/-0.0363	0.0604	0.200	pCi/g					
Antimony-124	U	-0.0344	+/-0.0583	0.0975	0.100	pCi/g					
Antimony-125	U	0.0169	+/-0.0565	0.103	0.200	pCi/g					
Barium-133	U	0.0246	+/-0.0276	0.0458	0.100	pCi/g					
Barium-140	U	0.130	+/-0.818	1.50	0.500	pCi/g					
Beryllium-7	U	-0.153	+/-0.276	0.481	0.700	pCi/g					
Bismuth-212		0.665	+/-0.275	0.295	0.500	pCi/g					
Bismuth-214		0.612	+/-0.113	0.0744	0.200	pCi/g					
Cerium-139	U	-0.00394	+/-0.0199	0.0351	0.050	pCi/g					
Cerium-141	U	0.0533	+/-0.0714	0.130	0.100	pCi/g					
Cerium-144	U	-0.0147	+/-0.138	0.215	0.500	pCi/g					
Cesium-134	UUI	0.00	+/-0.0293	0.0491	0.100	pCi/g					
Cesium-136	U	-0.0428	+/-0.361	0.648	0.300	pCi/g					
Cesium-137	U	-0.000317	+/-0.0237	0.0363	0.100	pCi/g					
Chromium-51	U	0.124	+/-0.487	0.898	0.600	pCi/g					
Cobalt-56	U	0.00664	+/-0.0283	0.0529	0.100	pCi/g					
Cobalt-57	U	-0.00699	+/-0.0147	0.026	0.050	pCi/g					
Cobalt-58	U	-0.0232	+/-0.0319	0.0526	0.100	pCi/g					
Cobalt-60	U	0.00851	+/-0.0235	0.0436	0.100	pCi/g					
Europium-152	U	0.0052	+/-0.061	0.097	0.200	pCi/g					
Europium-154	U	0.0705	+/-0.0672	0.131	0.500	pCi/g					
Europium-155	U	0.0707	+/-0.0668	0.0963	0.500	pCi/g					
Iridium-192	U	0.0101	+/-0.0255	0.0474	0.100	pCi/g					
Iron-59	U	-0.00468	+/-0.0886	0.159	0.300	pCi/g					
Lead-210		0.594	+/-0.530	0.536	4.00	pCi/g					
Lead-212		0.973	+/-0.121	0.0571	0.100	pCi/g					
Lead-214		0.802	+/-0.127	0.0695	0.100	pCi/g					
Manganese-54	U	0.0263	+/-0.0254	0.0487	0.100	pCi/g					
Mercury-203	U	0.0186	+/-0.0361	0.0675	0.100	pCi/g					
Neodymium-147	U	-2.8	+/-2.60	4.27	1000	pCi/g					
Neptunium-239	U	0.0289	+/-0.096	0.175	2.00	pCi/g					
Niobium-94	U	-0.0142	+/-0.0235	0.0334	1.00	pCi/g					
Niobium-95	U	0.00784	+/-0.0588	0.0904	0.050	pCi/g					
Potassium-40		14.1	+/-1.22	0.365	1.00	pCi/g					
Promethium-144	U	0.00986	+/-0.0223	0.0403	0.080	pCi/g					
Promethium-146	U	0.0274	+/-0.0258	0.0488	1.00	pCi/g					
Radium-228		1.06	+/-0.203	0.125	0.500	pCi/g					
Ruthenium-106	U	-0.09	+/-0.232	0.343	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0511-26
Sample ID: 152807017

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Silver-110m	U	-0.0131	+/-0.0217	0.0367	0.080	pCi/g					
Sodium-22	U	0.026	+/-0.0244	0.0476	0.080	pCi/g					
Thallium-208		0.231	+/-0.0614	0.0411	0.080	pCi/g					
Thorium-230		0.612	+/-0.113	0.0744	1.00	pCi/g					
Thorium-234		1.02	+/-0.583	0.579	2.00	pCi/g					
Tin-113	U	-0.0124	+/-0.030	0.0533	0.100	pCi/g					
Uranium-235	U	0.119	+/-0.131	0.209	0.500	pCi/g					
Uranium-238		1.02	+/-0.583	0.579	1.00	pCi/g					
Yttrium-88	U	-0.00811	+/-0.0248	0.0449	0.100	pCi/g					
Zinc-65	U	-0.033	+/-0.0706	0.103	0.300	pCi/g					
Zirconium-95	U	0.0272	+/-0.0598	0.109	0.200	pCi/g					

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	LXM1	12/30/05	0927	491096

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
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Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID:	MAC-0512-07	Proiect:	MCTC00402
Sample ID:	152807035	Client ID:	MCTC002
Matrix:	Soil		
Collect Date:	05-DEC-05 15:00		
Receive Date:	29-DEC-05		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid (Standard List)											
Actinium-228		0.688	+/-0.232	0.270	0.800	pCi/g		MJH1 01/08/06	1236	491299	1
Americium-241	U	-0.00944	+/-0.116	0.149	0.200	pCi/g					
Antimony-124	U	-0.0582	+/-0.0602	0.084	0.100	pCi/g					
Antimony-125	U	0.0164	+/-0.0985	0.181	0.200	pCi/g					
Barium-133	U	0.0323	+/-0.0489	0.0729	0.100	pCi/g					
Barium-140	U	0.168	+/-0.819	1.33	0.500	pCi/g					
Beryllium-7	U	0.0659	+/-0.454	0.829	0.700	pCi/g					
Bismuth-212		0.686	+/-0.397	0.650	0.500	pCi/g					
Bismuth-214		0.627	+/-0.159	0.126	0.200	pCi/g					
Cerium-139	U	-0.00494	+/-0.0297	0.0558	0.050	pCi/g					
Cerium-141	U	0.0633	+/-0.0877	0.172	0.100	pCi/g					
Cerium-144	U	0.054	+/-0.197	0.381	0.500	pCi/g					
Cesium-134	U	0.0798	+/-0.0705	0.0939	0.100	pCi/g					
Cesium-136	UUI	0.00	+/-0.899	0.542	0.300	pCi/g					
Cesium-137	UUI	0.00	+/-0.0515	0.110	0.100	pCi/g					
Chromium-51	U	0.202	+/-0.574	1.08	0.600	pCi/g					
Cobalt-56	U	0.0212	+/-0.0445	0.080	0.100	pCi/g					
Cobalt-57	U	-0.000968	+/-0.0259	0.0462	0.050	pCi/g					
Cobalt-58	U	0.0337	+/-0.0447	0.0913	0.100	pCi/g					
Cobalt-60	U	-0.032	+/-0.0441	0.0718	0.100	pCi/g					
Europium-152	U	-0.067	+/-0.0957	0.167	0.200	pCi/g					
Europium-154	U	0.0993	+/-0.114	0.235	0.500	pCi/g					
Europium-155	U	0.0882	+/-0.0989	0.186	0.500	pCi/g					
Iridium-192	U	-0.00361	+/-0.0403	0.0738	0.100	pCi/g					
Iron-59	U	0.0829	+/-0.124	0.246	0.300	pCi/g					
Lead-210	U	0.101	+/-0.996	1.68	4.00	pCi/g					
Lead-212		0.615	+/-0.129	0.119	0.100	pCi/g					
Lead-214		0.778	+/-0.147	0.133	0.100	pCi/g					
Manganese-54	U	0.0224	+/-0.0382	0.0758	0.100	pCi/g					
Mercury-203	U	0.0308	+/-0.0554	0.0931	0.100	pCi/g					
Neodymium-147	U	0.893	+/-2.01	3.40	1000	pCi/g					
Neptunium-239	U	0.244	+/-0.226	0.336	2.00	pCi/g					
Niobium-94	U	0.0309	+/-0.0315	0.0651	1.00	pCi/g					
Niobium-95	U	-0.0365	+/-0.0666	0.118	0.050	pCi/g					
Potassium-40		13.2	+/-1.47	0.672	1.00	pCi/g					
Promethium-144	U	-0.00887	+/-0.0366	0.0673	0.080	pCi/g					
Promethium-146	U	-0.0185	+/-0.0457	0.0801	1.00	pCi/g					
Radium-228		0.688	+/-0.232	0.270	0.500	pCi/g					
Ruthenium-106	U	0.186	+/-0.347	0.685	0.800	pCi/g					

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : MACTEC Constructors
Address : 2000 Day Hill Road
Windsor, Connecticut 06095

Report Date: January 10, 2006

Contact: Mr. Donell Jackson
Project: **CE Windsor Level 2 Report**

Client Sample ID: MAC-0512-07
Sample ID: 152807035

Project: MCTC00402
Client ID: MCTC002

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid (Standard List)												
Silver-110m	U	-0.11	+/-0.0484	0.0737	0.080	pCi/g						
Sodium-22	U	0.0394	+/-0.0405	0.0849	0.080	pCi/g						
Thallium-208		0.308	+/-0.0943	0.064	0.080	pCi/g						
Thorium-230		0.627	+/-0.159	0.126	1.00	pCi/g						
Thorium-234	U	0.388	+/-1.10	1.49	2.00	pCi/g						
Tin-113	U	0.0206	+/-0.047	0.0892	0.100	pCi/g						
Uranium-235	U	0.187	+/-0.197	0.388	0.500	pCi/g						
Uranium-238	U	0.388	+/-1.10	1.35	1.00	pCi/g						
Yttrium-88	U	0.00544	+/-0.035	0.0748	0.100	pCi/g						
Zinc-65	U	-0.0779	+/-0.122	0.171	0.300	pCi/g						
Zirconium-95	U	0.024	+/-0.0803	0.157	0.200	pCi/g						

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MXP2	12/30/05	0936	491098

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EML HASL 300, 4.5.2.3	

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis Report
for

MCTC002 MACTEC Constructors, Inc.

Client SDG: 152807 GEL Work Order: 152807

The Qualifiers in this report are defined as follows:

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
< Result is less than amount reported.
> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Results below the MDC or low tracer recovery.
D Sample has been diluted and reanalyzed after initially exceeding inst. calibration range
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value.
P The response between the confirmation and the primary columns is >40% Different.
R Sample results are rejected.
U Target analyte was analyzed for but not detected above the MDL or LOD.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
Z Paint Filter qualifier: Particulates passed through the filter. No free liquids were observed.
d The 2:1 depletion requirement was not met for this sample
h Sample preparation or preservation holding time exceeded.
ND The analyte concentration is not detected above the reporting limit.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.
** Indicates the analyte is a surrogate compound.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Edith Kent.

Edith Kent
Reviewed by