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***** CERTIFICATE OF ANALYSIS *****
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Site Location:	CE Windsor
Sample ID:	MAC-0412-50
Sample Title:	B-5 Sub pipe trench I/W #1
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.266E+002 g
Sample Taken On:	12/6/2004 12:00:00 PM
Acquisition Started:	12/6/2004 9:46:43 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	4.69E+000	1.06E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.98E-003	5.33E-002	1.01E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.69E-002	5.54E-002	9.01E-002
CO-60	NOT FOUND/DATA for 1173.24 keV			2.79E-002	7.01E-002	1.34E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.76E-001	1.40E-001	1.66E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.30E-002	5.60E-002	9.19E-002
SB-125	NOT FOUND/DATA for 427.89 keV			2.78E-002	1.28E-001	2.43E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.33E-002	5.95E-002	9.56E-002
CS-137	NOT FOUND/DATA for 661.66 keV			7.67E-002	6.58E-002	1.34E-001
TL-208	4.55E-001	2.42E-001	1.24E-001	FOUND		
PB-212	1.03E+000	1.24E-001	2.55E-001	FOUND		
BI-214	8.52E-001	5.41E-001	2.61E-001	FOUND		
PB-214	9.41E-001	1.67E-001	3.32E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			9.79E-001	1.28E+000	2.35E+000
AC-228	9.80E-001	2.30E-001	4.38E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			-5.25E+000	2.19E+001	3.87E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.15E+000	1.77E+000	3.12E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.63E-001	2.16E-001	3.73E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-5.47E-001	9.20E+000	1.72E+001
TH-234	NOT FOUND/DATA for 92.60 keV			8.07E-002	1.09E+000	1.83E+000
U-234	NOT FOUND/DATA for 53.20 keV			-9.95E+000	1.84E+002	3.31E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.10E-001	7.65E-002	1.46E-001
U-238	NOT FOUND/DATA for 92.60 keV			8.07E-002	1.09E+000	1.83E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.52E-002	3.52E-001	6.39E-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-0412-70
Sample Title:	B-5 South wing I/W line trench bottom #-
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.885E+002 g
Sample Taken On:	12/6/2004 12:00:00 PM
Acquisition Started:	12/7/2004 11:31:39 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	2.03E+001	6.02E+000	1.41E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-9.38E-003	5.30E-002	9.66E-002
CO-57	NOT FOUND/DATA for 122.06 keV			-1.24E-002	5.30E-002	8.76E-002
CO-60	NOT FOUND/DATA for 1332.50 keV			4.83E-002	6.35E-002	1.38E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-9.76E-002	1.32E-001	2.15E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-8.35E-002	6.10E-002	9.33E-002
SB-125	NOT FOUND/DATA for 427.89 keV			-4.18E-002	1.46E-001	2.60E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-3.96E-002	5.92E-002	9.30E-002
CS-137	NOT FOUND/DATA for 661.66 keV			1.09E-001	7.15E-002	1.50E-001
TL-208	2.84E-001	2.46E-001	1.21E-001	FOUND		
PB-212	7.58E-001	1.39E-001	2.63E-001	FOUND		
BI-214	8.56E-001	3.58E-001	2.42E-001	FOUND		
PB-214	6.42E-001	1.21E-001	2.66E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.94E+000	1.34E+000	2.55E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.29E-001	3.32E-001	7.41E-001
TH-230	NOT FOUND/DATA for 67.67 keV			3.99E+001	2.41E+001	4.75E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.88E+000	2.64E+000	4.07E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-8.79E-002	2.25E-001	3.55E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.23E-001	1.02E+001	1.92E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.13E+000	1.07E+000	1.98E+000
U-234	NOT FOUND/DATA for 53.20 keV			4.29E+001	1.98E+002	3.65E+002
U-235	NOT FOUND/DATA for 185.71 keV			7.96E-002	8.15E-002	1.52E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.13E+000	1.07E+000	1.98E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.83E-002	3.73E-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-0412-75
Sample Title: B-5 I/W S/W Spoils pile #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.668E+002 g
Sample Taken On: 12/6/2004 12:00:00 PM
Acquisition Started: 12/7/2004 8:52:04 AM
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	2.32E+001	6.78E+000	1.43E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.18E-002	6.93E-002	1.26E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.51E-002	5.85E-002	9.65E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		2.13E-002	6.83E-002	1.44E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.63E-001	1.96E-001	2.44E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.99E-002	7.00E-002	1.18E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.75E-003	1.79E-001	3.29E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.70E-002	6.66E-002	1.11E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.95E-002	8.06E-002	1.64E-001
TL-208	3.72E-001	2.76E-001	1.43E-001	FOUND		
PB-212	8.66E-001	1.46E-001	3.08E-001	FOUND		
BI-214	7.72E-001	1.90E-001	2.99E-001	FOUND		
PB-214	5.33E-001	3.78E-001	3.54E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.54E-001	1.44E+000	2.58E+000
AC-228	1.18E+000	6.41E-001	4.81E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-2.14E+001	2.48E+001	4.17E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.07E+000	2.41E+000	4.24E+000
PA-234	NOT FOUND/DATA for	131.20 keV		1.24E-002	2.56E-001	4.31E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.00E+000	1.29E+001	2.33E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.83E+000	1.24E+000	2.26E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.30E+002	2.37E+002	4.46E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.02E-001	8.77E-002	1.67E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.83E+000	1.24E+000	2.26E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.11E-001	4.07E-001	6.68E-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-0412-89
Sample Title: B-5 I/W SW soil pile spoils #9
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.713E+002 g
Sample Taken On: 12/7/2004 12:00:00 PM
Acquisition Started: 12/8/2004 6:58:59 AM
Live Time: 1200.0 seconds
Real Time: 1201.6 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	1.89E+001	6.71E+000	1.46E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.38E-002	7.26E-002	1.33E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.50E-002	6.46E-002	1.15E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			5.37E-002	6.80E-002	1.53E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.35E-001	1.82E-001	2.58E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-6.41E-002	6.10E-002	9.63E-002
SB-125	NOT FOUND/DATA for 427.89 keV			9.80E-002	1.87E-001	3.58E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-6.63E-003	6.14E-002	1.10E-001
CS-137	NOT FOUND/DATA for 661.66 keV			9.48E-002	7.78E-002	1.67E-001
TL-208	3.56E-001	2.74E-001	1.53E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			6.42E-001	1.73E-001	3.51E-001
BI-214	5.89E-001	4.83E-001	2.69E-001	FOUND		
PB-214	6.21E-001	1.44E-001	3.33E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.84E-001	1.44E+000	2.60E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.04E+000	3.83E-001	8.82E-001
TH-230	NOT FOUND/DATA for 67.67 keV			-4.44E+000	2.53E+001	4.51E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.64E+000	2.32E+000	4.14E+000
PA-234	NOT FOUND/DATA for 98.44 keV			8.37E-002	2.23E-001	3.92E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			8.66E+000	1.01E+001	2.29E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-3.53E-002	1.21E+000	2.03E+000
U-234	NOT FOUND/DATA for 53.20 keV			-3.17E+001	2.24E+002	3.99E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.04E-001	8.53E-002	1.65E-001
U-238	NOT FOUND/DATA for 92.60 keV			-3.53E-002	1.21E+000	2.03E+000
AM-241	NOT FOUND/DATA for 59.54 keV			3.16E-002	3.97E-001	7.28E-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-0412-102
Sample Title:	B-5 South wing I/W line Spoils N side #5
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.233E+002 g
Sample Taken On:	12/8/2004 12:00:00 PM
Acquisition Started:	12/8/2004 12:06:44 PM
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	2.28E+001	2.84E+000	1.89E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.14E-002	7.83E-002	1.38E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.94E-003	6.60E-002	1.11E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		6.94E-002	9.08E-002	1.90E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		7.58E-002	1.65E-001	3.36E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.09E-002	6.69E-002	1.20E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.34E-002	1.78E-001	3.20E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.86E-002	6.71E-002	1.12E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-1.83E-002	9.22E-002	1.67E-001
TL-208	2.91E-001	1.41E-001	1.75E-001	FOUND		
PB-212	1.12E+000	3.90E-001	3.27E-001	FOUND		
BI-214	8.67E-001	6.06E-001	3.51E-001	FOUND		
PB-214	7.04E-001	2.49E-001	3.59E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		6.61E-001	1.49E+000	2.76E+000
AC-228	5.20E-001	2.65E-001	5.58E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		4.28E+000	2.60E+001	4.73E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-8.14E-001	2.49E+000	4.10E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.10E-001	2.90E-001	4.50E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.70E-001	1.13E+001	2.18E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.13E-001	1.29E+000	2.24E+000
U-234	NOT FOUND/DATA for	53.20 keV		-5.88E+001	2.49E+002	4.48E+002
U-235	NOT FOUND/DATA for	185.71 keV		7.57E-003	8.81E-002	1.60E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.13E-001	1.29E+000	2.24E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.65E-001	4.36E-001	7.76E-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-0412-106
Sample Title: B-5 Roof drain sub soil composite #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.699E+002 g
Sample Taken On: 12/7/2004 12:00:00 PM
Acquisition Started: 12/9/2004 7:22:57 AM
Live Time: 1500.0 seconds
Real Time: 1501.8 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	2.54E+001	6.42E+000	1.38E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.09E-002	6.19E-002	1.13E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.51E-002	6.17E-002	1.08E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.59E-002	6.15E-002	1.36E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.01E-002	1.37E-001	2.66E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		4.80E-002	5.70E-002	1.20E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.09E-001	1.74E-001	2.87E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.60E-002	6.44E-002	1.11E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.84E-002	8.10E-002	1.56E-001
TL-208	3.23E-001	3.67E-001	1.63E-001	FOUND		
PB-212	7.03E-001	1.52E-001	3.36E-001	FOUND		
BI-214	5.91E-001	1.65E-001	3.29E-001	FOUND		
PB-214	6.63E-001	1.68E-001	2.63E-001	FOUND		
RA-226	1.96E+000	1.02E+000	2.68E+000	FOUND		
AC-228	9.19E-001	2.69E-001	5.91E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.22E+001	2.71E+001	5.01E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.35E+000	2.34E+000	4.13E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.55E-001	2.68E-001	3.98E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-5.92E-001	1.22E+001	2.31E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.19E-001	1.20E+000	2.08E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.18E+002	2.34E+002	4.34E+002
U-235	1.19E-001	6.23E-002	1.63E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		7.19E-001	1.20E+000	2.08E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.31E-001	4.01E-001	7.13E-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-0412-116
Sample Title: B-5 South wing I/W trench soil #8
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.699E+002 g
Sample Taken On: 12/8/2004 12:00:00 PM
Acquisition Started: 12/8/2004 3:13:25 PM
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	2.23E+001	6.58E+000	1.39E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.07E-002	6.03E-002	1.29E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.67E-002	5.71E-002	1.02E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		4.92E-002	7.62E-002	1.61E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.32E-002	1.41E-001	2.35E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-7.99E-002	7.39E-002	1.15E-001
SB-125	NOT FOUND/DATA for	427.89 keV		7.51E-002	1.76E-001	3.44E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.82E-002	6.39E-002	1.13E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.23E-003	7.91E-002	1.48E-001
TL-208	2.86E-001	8.63E-002	1.32E-001	FOUND		
PB-212	7.94E-001	1.62E-001	3.61E-001	FOUND		
BI-214	6.78E-001	1.88E-001	2.68E-001	FOUND		
PB-214	8.33E-001	1.81E-001	2.66E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.49E+000	1.42E+000	2.73E+000
AC-228	NOT FOUND/DATA for	911.21 keV		5.94E-001	3.45E-001	7.65E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-1.88E+001	2.67E+001	4.48E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.48E-002	2.03E+000	3.53E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.75E-001	2.52E-001	4.47E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.60E+000	1.05E+001	2.13E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.30E-001	1.12E+000	1.99E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.16E+002	1.99E+002	3.87E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.61E-002	8.78E-002	1.63E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.30E-001	1.12E+000	1.99E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.33E-002	4.47E-001	8.19E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-121
Sample Title: B-5 I/W,S/W, Roof Drain, Trench -#1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.780E+002 g
Sample Taken On: 12/9/2004 12:00:00 PM
Acquisition Started: 12/13/2004 8:36:54 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	2.18E+001	8.90E+000	2.68E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			8.93E-003	7.96E-002	1.47E-001
CO-57	NOT FOUND/DATA for 122.06 keV			9.45E-003	8.76E-002	1.50E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-5.90E-003	9.36E-002	1.93E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			4.68E-002	2.27E-001	4.41E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-3.54E-002	9.45E-002	1.75E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-5.90E-002	2.18E-001	3.99E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.01E-002	7.97E-002	1.47E-001
CS-137	NOT FOUND/DATA for 661.66 keV			9.97E-002	1.17E-001	2.41E-001
TL-208	3.74E-001	4.19E-001	2.09E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			8.62E-001	2.36E-001	4.90E-001
BI-214	9.22E-001	2.60E-001	4.18E-001	FOUND		
PB-214	7.82E-001	2.99E-001	3.90E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.44E-001	1.94E+000	3.51E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.33E-001	4.80E-001	1.10E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.34E+001	3.42E+001	6.67E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.05E+000	2.79E+000	5.15E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.17E-001	3.27E-001	5.35E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-8.24E+000	1.61E+001	1.31E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.36E+000	1.64E+000	3.07E+000
U-234	NOT FOUND/DATA for 53.20 keV			6.63E+001	2.76E+002	5.27E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.63E-002	1.18E-001	2.14E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.36E+000	1.64E+000	3.07E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-6.02E-002	5.61E-001	1.03E+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-0412-122
Sample Title:	B-5 I/W S-N Roof drain trench bottom #2
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.250E+002 g
Sample Taken On:	12/9/2004 12:00:00 PM
Acquisition Started:	12/13/2004 10:05:24 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	2.28E+001	2.58E+000	1.62E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.66E-002	6.58E-002	1.13E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.85E-002	5.63E-002	9.76E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		-6.18E-003	5.60E-002	1.10E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.34E-001	1.78E-001	2.62E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.55E-002	6.46E-002	1.16E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.45E-001	1.60E-001	2.61E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.92E-002	6.72E-002	1.08E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.33E-002	7.90E-002	1.55E-001
TL-208	3.52E-001	8.74E-002	1.55E-001	FOUND		
PB-212	1.01E+000	2.61E-001	2.73E-001	FOUND		
BI-214	9.90E-001	3.81E-001	3.56E-001	FOUND		
PB-214	9.27E-001	2.77E-001	3.52E-001	FOUND		
RA-226	2.42E+000	1.13E+000	2.82E+000	FOUND		
AC-228	1.04E+000	3.30E-001	5.26E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		3.26E+000	2.45E+001	4.45E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.61E+000	2.42E+000	4.09E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-3.16E-001	3.24E-001	3.96E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.87E+000	1.28E+001	2.37E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.03E+000	1.14E+000	2.01E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.60E+001	2.01E+002	3.59E+002
U-235	1.48E-001	6.92E-002	1.72E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		1.03E+000	1.14E+000	2.01E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.19E-001	3.96E-001	7.49E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-123
Sample Title: B-5 I/W SW Roof drain spoils SE Corn. #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.940E+002 g
Sample Taken On: 12/9/2004 12:00:00 PM
Acquisition Started: 12/13/2004 11:19:58 AM
Live Time: 2100.0 seconds
Real Time: 2102.7 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	2.47E+001	2.60E+000	1.65E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.89E-002	5.76E-002	1.13E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.62E-002	5.83E-002	9.58E-002
CO-60	NOT FOUND/DATA for 1173.24 keV			6.09E-002	6.88E-002	1.44E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.48E-001	1.75E-001	2.55E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-2.41E-002	5.83E-002	1.01E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-8.28E-002	1.73E-001	2.99E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.13E-002	6.00E-002	1.01E-001
CS-137	NOT FOUND/DATA for 661.66 keV			9.79E-002	7.33E-002	1.50E-001
TL-208	4.49E-001	9.19E-002	1.72E-001	FOUND		
PB-212	1.20E+000	1.54E-001	3.34E-001	FOUND		
BI-214	1.08E+000	3.74E-001	3.03E-001	FOUND		
PB-214	8.38E-001	1.63E-001	2.56E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.11E+000	1.43E+000	2.78E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.41E+000	4.19E-001	9.10E-001
TH-230	NOT FOUND/DATA for 67.67 keV			-1.95E+001	2.40E+001	3.99E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.02E+000	2.15E+000	3.73E+000
PA-234	NOT FOUND/DATA for 98.44 keV			9.86E-002	2.30E-001	3.94E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			9.94E+000	1.20E+001	2.46E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.24E+000	1.14E+000	2.00E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.71E+001	2.15E+002	3.68E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.38E-001	8.55E-002	1.63E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.24E+000	1.14E+000	2.00E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.33E-001	4.21E-001	7.74E-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-0412-129
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

CERTIFICATE OF ANALYSIS

Site Location:	CE Windsor
Sample ID:	MAC-0412-136
Sample Title:	B-5 Highbay I/W line spoils soil #1
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	9.002E+002 g
Sample Taken On:	12/13/2004 12:00:00 PM
Acquisition Started:	12/13/2004 4:19:14 PM
Live Time:	1200.0 seconds
Real Time:	1201.5 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	1.97E+001	6.06E+000	1.27E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.60E-002	5.16E-002	1.08E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.06E-002	5.48E-002	9.10E-002
CO-60	NOT FOUND/DATA for 1332.50 keV			1.70E-002	3.98E-002	9.49E-002
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.52E-002	1.54E-001	2.77E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.04E-002	5.46E-002	1.04E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-8.05E-002	1.59E-001	2.76E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-6.97E-002	6.49E-002	8.99E-002
CS-137	NOT FOUND/DATA for 661.66 keV			2.52E-003	7.59E-002	1.41E-001
TL-208	2.27E-001	6.08E-002	1.33E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			6.95E-001	1.62E-001	3.27E-001
BI-214	1.73E+000	6.18E-001	2.99E-001	FOUND		
PB-214	8.39E-001	1.47E-001	3.11E-001	FOUND		
RA-226	1.73E+000	9.95E-001	2.62E+000	FOUND		
AC-228	6.74E-001	2.27E-001	4.93E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			1.52E+001	2.47E+001	4.60E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.06E+000	2.30E+000	4.03E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.66E-001	2.94E-001	3.70E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.87E-002	1.01E+001	1.96E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.14E+000	1.12E+000	2.10E+000
U-234	NOT FOUND/DATA for 53.20 keV			-8.93E+001	1.86E+002	3.23E+002
U-235	1.05E-001	6.06E-002	1.59E-001	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			2.14E+000	1.12E+000	2.10E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.74E-001	3.89E-001	6.76E-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-0412-145
Sample Title:	B-5 N E Storm drain SE-NW diag #5
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.081E+002 g
Sample Taken On:	12/13/2004 12:00:00 PM
Acquisition Started:	12/14/2004 10:04:05 AM
Live Time:	1800.0 seconds
Real Time:	1802.5 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	1.74E+001	5.21E+000	1.21E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.62E-002	4.82E-002	9.64E-002
CO-57	NOT FOUND/DATA for	122.06 keV		-1.50E-002	5.27E-002	8.41E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		1.98E-002	5.24E-002	1.11E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.18E-001	1.27E-001	2.02E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-6.26E-002	6.50E-002	1.06E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.83E-002	1.45E-001	2.70E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.96E-002	5.74E-002	9.81E-002
CS-137	NOT FOUND/DATA for	661.66 keV		7.08E-003	6.52E-002	1.21E-001
TL-208	2.49E-001	7.05E-002	1.38E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		6.49E-001	1.44E-001	2.90E-001
BI-214	6.46E-001	5.39E-001	2.62E-001	FOUND		
PB-214	7.75E-001	2.94E-001	2.42E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.98E+000	1.32E+000	2.59E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.29E-001	3.45E-001	7.55E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-2.21E+000	2.24E+001	3.93E+001
PA-231	NOT FOUND/DATA for	300.02 keV		7.30E-001	1.95E+000	3.39E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.93E-002	2.14E-001	3.56E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-6.40E-001	1.04E+001	1.91E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.56E+000	9.96E-001	1.82E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.34E+000	1.84E+002	3.34E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.76E-002	7.98E-002	1.50E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.56E+000	9.95E-001	1.82E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.95E-001	3.59E-001	6.23E-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-0412-148
Sample Title:	B-5 I/W Line spoils composite #8
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.056E+002 g
Sample Taken On:	12/13/2004 12:00:00 PM
Acquisition Started:	12/14/2004 10:51:46 AM
Live Time:	2400.0 seconds
Real Time:	2403.5 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	2.60E+001	5.05E+000	1.38E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.40E-002	5.91E-002	1.20E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-7.42E-003	5.33E-002	8.76E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		4.64E-003	5.34E-002	1.05E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.38E-001	1.55E-001	2.17E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.73E-003	5.54E-002	1.01E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.39E-001	1.58E-001	2.62E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.00E-002	5.61E-002	9.35E-002
CS-137	6.31E-002	3.99E-002	1.03E-001	FOUND		
TL-208	3.13E-001	2.29E-001	1.45E-001	FOUND		
PB-212	1.01E+000	1.48E-001	2.47E-001	FOUND		
BI-214	7.58E-001	4.44E-001	2.67E-001	FOUND		
PB-214	6.43E-001	1.45E-001	6.18E-001	FOUND		
RA-226	1.78E+000	9.78E-001	2.49E+000	FOUND		
AC-228	1.17E+000	2.08E-001	5.15E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		2.77E+001	2.27E+001	4.32E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.41E+000	2.19E+000	3.58E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-7.68E-002	2.25E-001	3.64E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.26E+000	1.17E+001	2.23E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.66E-001	1.06E+000	1.80E+000
U-234	NOT FOUND/DATA for	53.20 keV		-6.90E+001	2.09E+002	3.53E+002
U-235	1.08E-001	5.96E-002	1.52E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		5.66E-001	1.06E+000	1.80E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.54E-001	3.69E-001	6.07E-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-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

	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	2.51E+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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***** 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-0412-169
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

Site Location:	CE Windsor
Sample ID:	MAC-0412-179
Sample Title:	B-5 High Bay Trench bottom I/W #12
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.770E+002 g
Sample Taken On:	12/14/2004 12:00:00 PM
Acquisition Started:	12/15/2004 10:12:21 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	5.62E+000	1.76E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.85E-002	5.05E-002	1.08E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.81E-002	5.71E-002	1.01E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.37E-002	6.74E-002	1.35E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.69E-002	1.40E-001	2.44E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-9.55E-003	5.47E-002	9.70E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-3.16E-002	1.58E-001	2.84E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.03E-001	6.72E-002	9.71E-002
CS-137	NOT FOUND/DATA for	661.66 keV		-1.40E-002	6.66E-002	1.18E-001
TL-208	3.98E-001	8.66E-002	1.34E-001	FOUND		
PB-212	9.79E-001	1.38E-001	4.88E-001	FOUND		
BI-214	1.08E+000	6.37E-001	2.67E-001	FOUND		
PB-214	6.86E-001	2.10E-001	2.57E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.13E+000	1.33E+000	2.66E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.37E+000	4.01E-001	8.96E-001
TH-230	NOT FOUND/DATA for	67.67 keV		2.50E+001	2.41E+001	4.59E+001
PA-231	NOT FOUND/DATA for	300.02 keV		6.57E-001	2.10E+000	3.63E+000
PA-234	NOT FOUND/DATA for	98.44 keV		9.71E-003	2.22E-001	3.74E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.36E+000	9.28E+000	1.93E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.68E-001	1.00E+000	1.78E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.97E+001	2.16E+002	3.88E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.74E-001	8.05E-002	1.60E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.68E-001	1.00E+000	1.78E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.95E-002	3.75E-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-0412-199
Sample Title:	B-5 Manhole spoils composite #2
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.925E+002 g
Sample Taken On:	12/14/2004 12:00:00 PM
Acquisition Started:	12/15/2004 5:02:59 PM
Live Time:	3600.0 seconds
Real Time:	3605.5 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	2.46E+001	4.22E+000	1.38E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.42E-003	3.94E-002	7.07E-002
CO-57	NOT FOUND/DATA for	122.06 keV		-2.93E-002	3.98E-002	6.21E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		5.12E-002	4.33E-002	9.23E-002
ZN-65	NOT FOUND/DATA for	1115.55 keV		-6.23E-002	1.09E-001	1.75E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.78E-002	4.43E-002	6.90E-002
SB-125	NOT FOUND/DATA for	427.89 keV		5.84E-002	1.07E-001	1.99E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.17E-002	4.45E-002	6.57E-002
CS-137	NOT FOUND/DATA for	661.66 keV		8.32E-002	5.14E-002	1.02E-001
TL-208	3.98E-001	1.73E-001	1.03E-001	FOUND		
PB-212	1.26E+000	2.23E-001	2.17E-001	FOUND		
BI-214	1.17E+000	2.75E-001	1.87E-001	FOUND		
PB-214	9.81E-001	1.67E-001	2.12E-001	FOUND		
RA-226	2.42E+000	7.53E-001	1.91E+000	FOUND		
AC-228	1.07E+000	2.64E-001	3.74E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-8.13E+000	1.73E+001	2.98E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.71E+000	1.56E+000	2.50E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.48E-001	1.63E-001	2.74E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.04E+000	7.46E+000	1.46E+001
TH-234	2.05E+000	5.97E-001	1.50E+000	FOUND		
U-234	NOT FOUND/DATA for	53.20 keV		-3.65E+001	1.41E+002	2.40E+002
U-235	1.47E-001	4.60E-002	1.16E-001	FOUND		
U-238	2.05E+000	5.94E-001	1.50E+000	FOUND		
AM-241	NOT FOUND/DATA for	59.54 keV		1.06E-001	2.70E-001	4.89E-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-0412-200
Sample Title: B-5 H/W spoils pile composite #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.081E+002 g
Sample Taken On: 12/14/2004 12:00:00 PM
Acquisition Started: 12/16/2004 7:26:45 AM
Live Time: 2100.0 seconds
Real Time: 2103.2 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	2.71E+001	5.82E+000	1.45E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.25E-003	6.45E-002	1.20E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.02E-002	5.60E-002	9.04E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		-2.72E-003	5.47E-002	1.02E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-8.82E-002	1.50E-001	2.41E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.00E-002	5.94E-002	1.05E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.36E-002	1.45E-001	2.70E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.01E-002	7.34E-002	1.13E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.30E-002	7.38E-002	1.42E-001
TL-208	4.29E-001	2.81E-001	1.41E-001	FOUND		
PB-212	1.10E+000	3.60E-001	2.84E-001	FOUND		
BI-214	1.03E+000	3.97E-001	3.45E-001	FOUND		
PB-214	1.08E+000	5.66E-001	3.13E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		5.19E+000	1.45E+000	2.94E+000
AC-228	9.60E-001	3.47E-001	4.75E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.39E+001	2.30E+001	4.28E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.05E+000	2.20E+000	3.75E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-3.68E-002	2.18E-001	3.58E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.40E+000	1.15E+001	2.21E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.50E+000	1.11E+000	1.98E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.32E+001	2.18E+002	3.90E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.35E-001	8.80E-002	1.73E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.50E+000	1.11E+000	1.98E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.68E-002	4.28E-001	7.64E-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-0412-206
Sample Title:	B-5 I/W 6" pipe trench Hg #3
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	8.110E+002 g
Sample Taken On:	12/15/2004 12:00:00 PM
Acquisition Started:	12/15/2004 12:16:59 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	2.36E+001	4.64E+000	1.37E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.63E-002	4.28E-002	8.61E-002
CO-57	NOT FOUND/DATA for 122.06 keV			-3.17E-002	4.70E-002	7.51E-002
CO-60	NOT FOUND/DATA for 1332.50 keV			4.10E-002	3.98E-002	9.71E-002
ZN-65	NOT FOUND/DATA for 1115.55 keV			-6.29E-002	1.22E-001	2.05E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-2.78E-002	4.67E-002	7.90E-002
SB-125	NOT FOUND/DATA for 427.89 keV			-6.33E-003	1.36E-001	2.47E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.40E-002	5.00E-002	7.45E-002
CS-137	NOT FOUND/DATA for 661.66 keV			7.79E-002	5.14E-002	1.12E-001
TL-208	3.14E-001	7.28E-002	1.16E-001	FOUND		
PB-212	8.18E-001	1.26E-001	2.43E-001	FOUND		
BI-214	6.17E-001	4.48E-001	2.20E-001	FOUND		
PB-214	7.12E-001	1.13E-001	2.64E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.24E+000	1.21E+000	2.32E+000
AC-228	1.09E+000	6.06E-001	3.55E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			1.05E-001	1.93E+001	3.47E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.45E+000	1.79E+000	3.10E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-6.69E-002	1.95E-001	3.19E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.85E+000	8.71E+000	1.71E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.12E+000	9.21E-001	1.64E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.04E+002	1.63E+002	2.79E+002
U-235	NOT FOUND/DATA for 185.71 keV			6.21E-002	7.29E-002	1.34E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.12E+000	9.21E-001	1.64E+000
AM-241	NOT FOUND/DATA for 59.54 keV			4.15E-002	3.61E-001	6.55E-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-0412-216
Sample Title:	B-5 Hi Bay spoils pile #3
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.150E+002 g
Sample Taken On:	12/15/2004 12:00:00 PM
Acquisition Started:	12/16/2004 1:24:04 PM
Live Time:	1696.2 seconds
Real Time:	1699.0 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	2.47E+001	4.43E+000	2.17E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.68E-003	7.25E-002	1.35E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.48E-002	6.23E-002	1.01E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			4.54E-002	7.91E-002	1.60E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.02E-001	2.03E-001	3.09E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.76E-002	6.57E-002	1.18E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.26E-001	1.55E-001	2.61E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.56E-002	7.16E-002	1.22E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.07E-001	8.46E-002	1.74E-001
TL-208	3.05E-001	8.89E-002	1.62E-001	FOUND		
PB-212	1.02E+000	1.76E-001	3.41E-001	FOUND		
BI-214	7.56E-001	5.68E-001	3.02E-001	FOUND		
PB-214	8.60E-001	2.52E-001	3.62E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.01E+000	1.46E+000	2.80E+000
AC-228	NOT FOUND/DATA for 911.21 keV			8.60E-001	3.79E-001	8.30E-001
TH-230	NOT FOUND/DATA for 67.67 keV			-2.21E+000	2.58E+001	4.62E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.77E+000	2.69E+000	4.54E+000
PA-234	NOT FOUND/DATA for 98.44 keV			6.43E-002	2.46E-001	4.20E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.39E+000	1.18E+001	2.34E+001
TH-234	1.50E+000	7.79E-001	1.78E+000	FOUND		
U-234	NOT FOUND/DATA for 53.20 keV			1.70E+002	2.29E+002	4.34E+002
U-235	NOT FOUND/DATA for 185.71 keV			3.49E-002	8.99E-002	1.64E-001
U-238	1.50E+000	7.78E-001	1.78E+000	FOUND		
AM-241	NOT FOUND/DATA for 59.54 keV			-6.01E-002	4.05E-001	7.25E-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-0412-220
Sample Title:	B-5 Hi Bay I/W trench bottome #4
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.730E+002 g
Sample Taken On:	12/15/2004 12:00:00 PM
Acquisition Started:	12/16/2004 1:58:09 PM
Live Time:	1500.0 seconds
Real Time:	1502.3 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	2.24E+001	6.29E+000	1.48E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			6.36E-003	6.15E-002	1.19E-001
CO-57	NOT FOUND/DATA for 122.06 keV			6.66E-002	6.11E-002	1.10E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-2.41E-002	5.22E-002	9.30E-002
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.60E-002	1.74E-001	3.05E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-5.68E-002	6.79E-002	1.09E-001
SB-125	NOT FOUND/DATA for 427.89 keV			6.83E-003	1.63E-001	3.05E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.32E-002	6.52E-002	1.01E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.26E-002	8.14E-002	1.57E-001
TL-208	3.85E-001	3.32E-001	1.55E-001	FOUND		
PB-212	1.38E+000	2.93E-001	2.98E-001	FOUND		
BI-214	9.87E-001	5.72E-001	2.75E-001	FOUND		
PB-214	6.39E-001	2.32E-001	3.70E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.66E+000	1.61E+000	3.00E+000
AC-228	1.05E+000	2.79E-001	5.30E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			-1.10E+001	2.51E+001	4.38E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.51E-001	2.42E+000	4.20E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.25E-002	2.43E-001	4.09E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.26E+000	1.24E+001	2.30E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.91E+000	1.16E+000	2.15E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.36E+002	2.33E+002	4.38E+002
U-235	NOT FOUND/DATA for 185.71 keV			4.05E-002	9.49E-002	1.73E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.91E+000	1.16E+000	2.15E+000
AM-241	NOT FOUND/DATA for 59.54 keV			3.73E-001	4.49E-001	8.62E-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-0412-232
Sample Title: B-5 HW TB Composite #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.664E+002 g
Sample Taken On: 12/15/2004 12:00:00 PM
Acquisition Started: 12/16/2004 2:32:14 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	2.56E+001	5.92E+000	1.42E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.01E-002	5.46E-002	9.70E-002
CO-57	NOT FOUND/DATA for	122.06 keV		2.47E-003	6.17E-002	1.03E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.54E-003	6.02E-002	1.18E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-6.72E-002	1.92E-001	3.02E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.47E-002	5.97E-002	9.85E-002
SB-125	NOT FOUND/DATA for	427.89 keV		2.73E-002	1.62E-001	3.01E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.14E-002	6.46E-002	1.13E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.09E-002	7.40E-002	1.43E-001
TL-208	3.81E-001	2.68E-001	1.52E-001	FOUND		
PB-212	1.41E+000	2.94E-001	3.35E-001	FOUND		
BI-214	9.48E-001	5.45E-001	2.63E-001	FOUND		
PB-214	7.26E-001	2.23E-001	3.24E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.76E+000	1.48E+000	2.76E+000
AC-228	1.11E+000	3.14E-001	5.52E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		2.48E+001	2.48E+001	4.69E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.39E+000	2.23E+000	3.88E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.03E-001	2.59E-001	4.08E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.59E+000	1.24E+001	2.22E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.73E+000	1.13E+000	2.04E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.14E+002	2.30E+002	3.74E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.07E-001	8.88E-002	1.74E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.73E+000	1.13E+000	2.04E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.78E-001	4.14E-001	7.71E-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-0412-235
Sample Title:	B-5 I/W surrounding soil comp post pipe
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.462E+002 g
Sample Taken On:	12/15/2004 12:00:00 PM
Acquisition Started:	12/16/2004 3:01:33 PM
Live Time:	1389.6 seconds
Real Time:	1392.1 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	2.15E+001	5.61E+000	1.63E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.19E-002	6.98E-002	1.35E-001
CO-57	NOT FOUND/DATA for	122.06 keV		7.39E-002	6.26E-002	1.13E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.76E-002	5.83E-002	1.26E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-8.33E-002	1.58E-001	2.58E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-7.54E-002	6.66E-002	1.04E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.73E-002	1.36E-001	3.32E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.15E-002	7.28E-002	9.84E-002
CS-137	NOT FOUND/DATA for	661.66 keV		2.49E-002	7.38E-002	1.42E-001
TL-208	4.41E-001	2.81E-001	1.29E-001	FOUND		
PB-212	1.09E+000	1.60E-001	2.77E-001	FOUND		
BI-214	9.67E-001	6.13E-001	2.88E-001	FOUND		
PB-214	8.39E-001	2.47E-001	3.16E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.99E+000	1.45E+000	2.79E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.01E+000	3.64E-001	8.28E-001
TH-230	NOT FOUND/DATA for	67.67 keV		9.58E+000	2.50E+001	4.65E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.36E+000	2.54E+000	4.36E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.61E-001	2.73E-001	4.06E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.78E+000	1.16E+001	2.29E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.98E+000	1.23E+000	2.25E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.42E+001	2.12E+002	3.75E+002
U-235	NOT FOUND/DATA for	185.71 keV		8.47E-002	8.78E-002	1.65E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.98E+000	1.23E+000	2.25E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.21E-001	4.33E-001	8.01E-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-0412-236
Sample Title:	B-5 Storm drain comp. spoils pile #6
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.665E+002 g
Sample Taken On:	12/15/2004 12:00:00 PM
Acquisition Started:	12/16/2004 3:33:34 PM
Live Time:	1586.5 seconds
Real Time:	1589.0 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	2.49E+001	6.29E+000	1.48E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.93E-002	6.40E-002	1.38E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.08E-002	5.73E-002	1.01E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		3.68E-002	8.35E-002	1.66E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.48E-002	1.55E-001	2.84E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		2.66E-002	6.11E-002	1.21E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.57E-002	1.62E-001	3.05E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.82E-002	7.42E-002	1.09E-001
CS-137	NOT FOUND/DATA for	661.66 keV		9.77E-002	8.15E-002	1.68E-001
TL-208	3.60E-001	2.17E-001	1.62E-001	FOUND		
PB-212	1.35E+000	3.01E-001	2.89E-001	FOUND		
BI-214	8.55E-001	5.58E-001	3.23E-001	FOUND		
PB-214	1.02E+000	2.48E-001	3.60E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.43E+000	1.43E+000	2.79E+000
AC-228	1.17E+000	2.49E-001	5.34E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.00E+001	2.66E+001	4.93E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.46E+000	2.25E+000	3.95E+000
PA-234	NOT FOUND/DATA for	131.20 keV		5.66E-002	2.54E-001	4.27E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.19E-001	1.14E+001	2.19E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.17E+000	1.27E+000	2.31E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.74E+001	2.09E+002	3.86E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.14E-001	8.88E-002	1.69E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.17E+000	1.27E+000	2.31E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.18E-002	4.33E-001	7.63E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location:	CE Windsor
Sample ID:	MAC-0412-254
Sample Title:	B5 HW N run composite spoils #3
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.577E+002 g
Sample Taken On:	12/16/2004 12:00:00 PM
Acquisition Started:	12/21/2004 7:50:02 AM
Live Time:	1800.0 seconds
Real Time:	1803.1 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	2.69E+001	6.33E+000	1.25E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.98E-002	6.01E-002	1.17E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.11E-002	5.96E-002	9.64E-002
CO-60	NOT FOUND/DATA for 1332.50 keV			1.81E-002	6.74E-002	1.37E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.78E-002	1.57E-001	2.87E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.15E-002	5.80E-002	1.01E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.51E-002	1.64E-001	3.06E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.17E-002	5.40E-002	9.04E-002
CS-137	NOT FOUND/DATA for 661.66 keV			1.14E-002	7.41E-002	1.36E-001
TL-208	5.48E-001	9.88E-002	1.46E-001	FOUND		
PB-212	1.56E+000	3.12E-001	3.07E-001	FOUND		
BI-214	1.34E+000	3.97E-001	3.20E-001	FOUND		
PB-214	9.31E-001	1.81E-001	3.09E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.16E+000	1.47E+000	2.78E+000
AC-228	1.58E+000	4.48E-001	4.73E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			1.41E+001	2.41E+001	4.45E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.08E-001	2.14E+000	3.68E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.04E-001	2.48E-001	3.99E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			6.89E-001	1.11E+001	2.06E+001
TH-234	NOT FOUND/DATA for 92.60 keV			8.89E-001	1.23E+000	2.12E+000
U-234	NOT FOUND/DATA for 53.20 keV			-8.74E+001	2.14E+002	3.74E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.19E-001	8.94E-002	1.68E-001
U-238	NOT FOUND/DATA for 92.60 keV			8.89E-001	1.23E+000	2.12E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.31E-001	4.16E-001	7.21E-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-0412-258
Sample Title:	B-5 SE Corner below I/W line #7
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.995E+002 g
Sample Taken On:	12/16/2004 12:00:00 PM
Acquisition Started:	12/21/2004 10:28:51 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	2.38E+001	6.05E+000	1.77E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.81E-002	5.80E-002	1.18E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-5.88E-003	5.98E-002	1.00E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.28E-002	7.62E-002	1.45E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.51E-001	1.50E-001	2.40E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.37E-002	6.02E-002	9.53E-002
SB-125	NOT FOUND/DATA for	427.89 keV		5.56E-002	1.73E-001	3.12E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.27E-002	6.57E-002	1.14E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.05E-002	7.93E-002	1.62E-001
TL-208	2.68E-001	2.38E-002	1.67E-001	FOUND		
PB-212	6.63E-001	1.39E-001	2.50E-001	FOUND		
BI-214	6.35E-001	1.56E-001	2.59E-001	FOUND		
PB-214	8.18E-001	4.35E-001	2.99E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.36E+000	1.38E+000	2.71E+000
AC-228	NOT FOUND/DATA for	911.21 keV		7.70E-001	3.53E-001	7.78E-001
TH-230	NOT FOUND/DATA for	67.67 keV		8.46E+000	2.48E+001	4.59E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.40E+000	2.71E+000	4.44E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.29E-001	2.28E-001	4.04E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.60E+000	1.02E+001	2.08E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-3.31E-001	1.09E+000	1.80E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.71E+001	2.19E+002	4.02E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.62E-001	8.39E-002	1.66E-001
U-238	NOT FOUND/DATA for	92.60 keV		-3.31E-001	1.09E+000	1.80E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.30E-001	4.02E-001	7.80E-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-0412-259
Sample Title:	B5 I/W, S.S. spoils SE comp. corner #8
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.318E+002 g
Sample Taken On:	12/16/2004 12:00:00 PM
Acquisition Started:	12/21/2004 10:35:33 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	2.21E+001	6.78E+000	1.86E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.04E-001	6.80E-002	1.55E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.00E-002	6.48E-002	1.15E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			6.31E-002	7.00E-002	1.61E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.67E-002	1.67E-001	2.94E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			2.25E-003	6.50E-002	1.23E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-4.03E-002	1.65E-001	3.00E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.34E-001	9.59E-002	1.11E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.38E-003	8.60E-002	1.55E-001
TL-208	4.04E-001	3.62E-001	1.71E-001	FOUND		
PB-212	1.47E+000	2.80E-001	3.03E-001	FOUND		
BI-214	7.93E-001	6.33E-001	2.89E-001	FOUND		
PB-214	7.67E-001	1.56E-001	3.37E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.09E+000	1.51E+000	2.82E+000
AC-228	7.41E-001	2.93E-001	4.89E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			8.69E+000	2.90E+001	5.31E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.41E+000	2.68E+000	4.44E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.90E-002	2.45E-001	4.13E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			0.00E+000	1.54E+001	2.81E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.28E+000	1.35E+000	2.39E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.82E+002	2.58E+002	4.87E+002
U-235	NOT FOUND/DATA for 185.71 keV			6.52E-002	9.20E-002	1.72E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.28E+000	1.35E+000	2.39E+000
AM-241	NOT FOUND/DATA for 59.54 keV			8.57E-002	4.20E-001	7.84E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-271
Sample Title: B-5 8" Line running E/W spoils #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.944E+002 g
Sample Taken On: 12/21/2004 12:00:00 PM
Acquisition Started: 12/21/2004 3:44:09 PM
Live Time: 1200.0 seconds
Real Time: 1202.0 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	2.01E+001	6.00E+000	1.42E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.65E-002	5.77E-002	1.15E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-6.65E-002	6.05E-002	9.31E-002
CO-60	NOT FOUND/DATA for 1332.50 keV			7.38E-002	7.15E-002	1.65E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.94E-001	2.57E-001	2.70E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			3.82E-002	6.62E-002	1.34E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.63E-001	1.72E-001	3.52E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.05E-002	7.08E-002	1.12E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.83E-002	7.71E-002	1.46E-001
TL-208	4.20E-001	9.46E-002	1.26E-001	FOUND		
PB-212	1.14E+000	2.82E-001	3.10E-001	FOUND		
BI-214	7.42E-001	5.78E-001	3.58E-001	FOUND		
PB-214	7.81E-001	1.76E-001	2.82E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			8.99E-001	1.46E+000	2.71E+000
AC-228	1.14E+000	2.83E-001	6.03E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			8.74E+000	2.71E+001	4.99E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-7.57E-001	2.29E+000	3.81E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.78E-002	2.38E-001	3.98E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.28E+000	1.26E+001	2.43E+001
TH-234	NOT FOUND/DATA for 92.60 keV			8.37E-001	1.25E+000	2.18E+000
U-234	NOT FOUND/DATA for 53.20 keV			3.60E-001	2.21E+002	3.83E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.75E-002	8.97E-002	1.63E-001
U-238	NOT FOUND/DATA for 92.60 keV			8.37E-001	1.25E+000	2.18E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-6.41E-002	4.25E-001	7.66E-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-0412-281
Sample Title:	B-5 Vent pipe spoils composite E/W #2
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	5.768E+002 g
Sample Taken On:	12/22/2004 12:00:00 PM
Acquisition Started:	12/22/2004 7:39:57 AM
Live Time:	1719.6 seconds
Real Time:	1722.6 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	2.70E+001	6.92E+000	1.63E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-4.82E-002	6.27E-002	1.02E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.65E-003	6.56E-002	1.08E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		8.11E-002	7.20E-002	1.68E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-8.82E-002	1.76E-001	3.01E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.36E-002	7.05E-002	1.28E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-7.29E-002	1.85E-001	3.20E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.23E-002	7.50E-002	1.22E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.06E-002	8.74E-002	1.67E-001
TL-208	3.41E-001	1.48E-001	1.55E-001	FOUND		
PB-212	1.03E+000	1.57E-001	2.91E-001	FOUND		
BI-214	1.84E+000	2.02E-001	3.77E-001	FOUND		
PB-214	7.38E-001	2.42E-001	4.00E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.27E+000	1.51E+000	2.92E+000
AC-228	1.14E+000	9.55E-001	5.69E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		6.66E-001	2.77E+001	5.01E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.81E+000	2.46E+000	4.24E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-9.13E-002	2.57E-001	4.17E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.16E+000	1.37E+001	2.34E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.36E+000	1.34E+000	2.36E+000
U-234	NOT FOUND/DATA for	53.20 keV		-3.68E+001	2.26E+002	4.04E+002
U-235	NOT FOUND/DATA for	185.71 keV		7.03E-002	9.24E-002	1.72E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.36E+000	1.34E+000	2.36E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-6.25E-002	4.74E-001	8.43E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-285
Sample Title: B5 High Bay Conc I/W under pipe #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.665E+002 g
Sample Taken On: 12/21/2004 12:00:00 PM
Acquisition Started: 12/27/2004 8:46:04 AM
Live Time: 1200.0 seconds
Real Time: 1202.0 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	1.98E+001	2.60E+000	2.16E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.25E-002	7.32E-002	1.45E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.84E-002	6.03E-002	1.09E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		4.44E-003	7.19E-002	1.42E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.01E-001	2.02E-001	2.94E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.25E-002	6.80E-002	1.12E-001
SB-125	NOT FOUND/DATA for	600.56 keV		-1.36E-001	2.18E-001	3.73E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.16E-002	6.12E-002	8.79E-002
CS-137	NOT FOUND/DATA for	661.66 keV		6.53E-002	7.25E-002	1.52E-001
TL-208	2.84E-001	8.61E-002	1.55E-001	FOUND		
PB-212	9.96E-001	1.59E-001	4.85E-001	FOUND		
BI-214	9.92E-001	6.18E-001	3.03E-001	FOUND		
PB-214	9.08E-001	4.77E-001	3.77E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.09E+000	1.50E+000	2.91E+000
AC-228	1.30E+000	2.81E-001	5.27E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.17E+001	2.39E+001	4.54E+001
PA-231	NOT FOUND/DATA for	300.02 keV		4.64E+000	3.02E+000	4.73E+000
PA-234	NOT FOUND/DATA for	883.24 keV		-3.47E-001	5.49E-001	5.08E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.78E+000	1.17E+001	2.30E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.60E+000	1.23E+000	2.25E+000
U-234	NOT FOUND/DATA for	53.20 keV		7.49E+001	2.20E+002	4.10E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.32E-002	9.19E-002	1.71E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.60E+000	1.23E+000	2.25E+000
AM-241	NOT FOUND/DATA for	59.54 keV		8.53E-002	5.09E-001	8.97E-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-0412-286
Sample Title: B5 High Bay H/W? #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.006E+002 g
Sample Taken On: 12/21/2004 12:00:00 PM
Acquisition Started: 12/27/2004 9:13:00 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	2.32E+001	2.70E+000	1.77E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.03E-001	6.86E-002	1.52E-001
CO-57	NOT FOUND/DATA for	122.06 keV		8.18E-003	5.93E-002	1.01E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.36E-002	6.80E-002	1.40E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.43E-002	1.51E-001	2.58E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		6.80E-003	6.31E-002	1.19E-001
SB-125	NOT FOUND/DATA for	427.89 keV		7.83E-003	1.74E-001	3.21E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.55E-002	6.18E-002	1.02E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.47E-002	7.08E-002	1.35E-001
TL-208	3.84E-001	2.31E-001	1.50E-001	FOUND		
PB-212	1.15E+000	3.97E-001	3.46E-001	FOUND		
BI-214	8.11E-001	1.86E-001	2.89E-001	FOUND		
PB-214	8.77E-001	1.75E-001	3.09E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		5.99E-001	1.54E+000	2.78E+000
AC-228	7.84E-001	3.51E-001	5.20E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		4.00E+000	2.59E+001	4.59E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.39E+000	2.68E+000	4.38E+000
PA-234	NOT FOUND/DATA for	98.44 keV		7.46E-002	2.34E-001	4.01E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		7.73E+000	1.15E+001	2.38E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.17E+000	1.17E+000	2.05E+000
U-234	NOT FOUND/DATA for	53.20 keV		6.23E+001	2.21E+002	4.11E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.12E-001	9.11E-002	1.72E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.17E+000	1.17E+000	2.05E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.44E-002	4.41E-001	7.96E-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

	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	2.04E+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

Site Location:	CE Windsor
Sample ID:	MAC-0412-298
Sample Title:	B-5 Terracotta Pipe Spoils Soil #1
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	4.040E+002 g
Sample Taken On:	12/28/2004 12:00:00 PM
Acquisition Started:	12/28/2004 7:25:34 AM
Live Time:	1800.0 seconds
Real Time:	1803.0 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	3.63E+001	9.12E+000	1.96E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-5.63E-002	9.50E-002	1.64E-001
CO-57	NOT FOUND/DATA for 122.06 keV			7.83E-002	8.94E-002	1.59E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			1.59E-002	1.27E-001	2.42E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-8.67E-002	2.30E-001	4.11E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			3.92E-002	1.01E-001	1.93E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-3.41E-001	2.40E-001	3.67E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-4.68E-002	8.15E-002	1.40E-001
CS-137	NOT FOUND/DATA for 661.66 keV			8.46E-002	1.14E-001	2.25E-001
TL-208	4.86E-001	1.30E-001	2.09E-001	FOUND		
PB-212	1.80E+000	5.77E-001	4.59E-001	FOUND		
BI-214	1.30E+000	2.58E-001	4.07E-001	FOUND		
PB-214	1.28E+000	2.63E-001	4.40E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.05E+000	2.22E+000	4.20E+000
AC-228	2.00E+000	5.56E-001	7.80E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			9.94E+000	3.88E+001	7.12E+001
PA-231	NOT FOUND/DATA for 300.02 keV			4.36E+000	3.75E+000	6.22E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.47E-001	3.96E-001	6.75E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-7.95E+000	1.76E+001	3.10E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.52E+000	1.77E+000	3.11E+000
U-234	NOT FOUND/DATA for 53.20 keV			4.19E+002	3.52E+002	6.69E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.72E-001	1.36E-001	2.66E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.52E+000	1.77E+000	3.11E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-6.93E-001	6.45E-001	1.06E+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-0412-304
Sample Title:	B5 I/W Terracotta Pipe Trench Bottom-1
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.130E+002 g
Sample Taken On:	12/28/2004 12:00:00 PM
Acquisition Started:	12/28/2004 2:22:08 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	2.38E+001	6.40E+000	1.30E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.99E-002	6.55E-002	1.27E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.17E-003	6.40E-002	1.06E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		7.69E-002	7.62E-002	1.63E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.77E-001	1.83E-001	2.49E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		9.02E-003	6.09E-002	1.15E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.31E-003	1.72E-001	3.12E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.84E-002	7.44E-002	1.13E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.60E-002	7.63E-002	1.48E-001
TL-208	2.78E-001	1.95E-001	1.51E-001	FOUND		
PB-212	1.26E+000	1.79E-001	2.39E-001	FOUND		
BI-214	1.08E+000	6.22E-001	2.95E-001	FOUND		
PB-214	7.58E-001	1.45E-001	3.42E-001	FOUND		
RA-226	4.07E+000	1.28E+000	2.96E+000	FOUND		
AC-228	7.75E-001	1.01E-001	6.17E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-2.33E+000	2.35E+001	4.19E+001
PA-231	NOT FOUND/DATA for	300.02 keV		6.38E-001	2.23E+000	3.89E+000
PA-234	NOT FOUND/DATA for	98.44 keV		3.13E-002	2.42E-001	4.10E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-6.48E+000	1.02E+001	1.72E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.86E+000	1.19E+000	2.16E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.94E+001	2.14E+002	3.92E+002
U-235	2.48E-001	7.79E-002	1.80E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		1.86E+000	1.18E+000	2.16E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.64E-001	4.27E-001	7.42E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-306
Sample Title: B5 I/W Trench Bottom - #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 4.130E+002 g
Sample Taken On: 12/28/2004 12:00:00 PM
Acquisition Started: 1/6/2005 2:31:04 PM
Live Time: 600.0 seconds
Real Time: 600.7 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	3.43E+001	6.36E+000	4.40E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.97E-002	1.36E-001	3.02E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.29E-003	1.68E-001	2.88E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.05E-002	1.45E-001	2.94E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.56E-001	3.31E-001	7.42E-001
AG-110m	NOT FOUND/DATA for	1384.30 keV		0.00E+000	0.00E+000	3.70E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.36E-001	4.65E-001	9.86E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.25E-002	1.58E-001	2.86E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.66E-002	2.00E-001	4.01E-001
TL-208	4.57E-001	2.16E-001	3.60E-001	FOUND		
PB-212	1.43E+000	3.59E-001	7.36E-001	FOUND		
BI-214	1.11E+000	4.69E-001	7.38E-001	FOUND		
PB-214	1.45E+000	1.75E+000	7.99E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		5.34E+000	3.90E+000	7.98E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.34E+000	9.34E-001	2.18E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.66E+001	6.20E+001	1.20E+002
PA-231	NOT FOUND/DATA for	300.02 keV		6.41E+000	7.53E+000	1.36E+001
PA-234	NOT FOUND/DATA for	131.20 keV		-5.28E-001	7.71E-001	1.12E+000
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.36E+001	4.22E+001	8.26E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.03E+000	2.92E+000	5.44E+000
U-234	NOT FOUND/DATA for	53.20 keV		6.93E+001	5.34E+002	1.02E+003
U-235	NOT FOUND/DATA for	185.71 keV		2.82E-001	2.35E-001	4.77E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.03E+000	2.92E+000	5.44E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-6.00E-001	1.10E+000	1.90E+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-0412-307
Sample Title: B5 I/W Trench Bottom - #4
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.400E+002 g
Sample Taken On: 12/28/2004 12:00:00 PM
Acquisition Started: 1/6/2005 2:44:57 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	2.41E+001	4.70E+000	3.98E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-4.79E-002	1.08E-001	1.90E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.62E-002	1.24E-001	2.08E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-1.61E-002	1.61E-001	3.17E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.09E-001	4.17E-001	7.54E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			6.85E-002	1.29E-001	2.82E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.37E-001	3.45E-001	5.74E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.05E-001	1.71E-001	1.95E-001
CS-137	NOT FOUND/DATA for 661.66 keV			9.82E-002	1.74E-001	3.50E-001
TL-208	NOT FOUND/DATA for 583.19 keV			2.42E-001	1.79E-001	3.99E-001
PB-212	NOT FOUND/DATA for 238.63 keV			1.16E+000	3.54E-001	7.60E-001
BI-214	1.07E+000	9.63E-002	5.28E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			1.07E+000	4.77E-001	1.01E+000
RA-226	NOT FOUND/DATA for 186.10 keV			5.85E-001	2.78E+000	5.17E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.56E+000	8.16E-001	1.90E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-2.93E+001	5.03E+001	8.82E+001
PA-231	NOT FOUND/DATA for 300.02 keV			7.02E-002	4.25E+000	7.70E+000
PA-234	NOT FOUND/DATA for 131.20 keV			2.64E-001	5.21E-001	9.13E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-5.96E+000	2.34E+001	4.40E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.58E+000	2.35E+000	4.31E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.32E+002	4.94E+002	9.01E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.31E-001	1.69E-001	3.33E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.58E+000	2.35E+000	4.31E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-8.73E-002	9.19E-001	1.64E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-308
Sample Title: B5 I/W Trench Bottom - #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.950E+002 g
Sample Taken On: 12/28/2004 12:00:00 PM
Acquisition Started: 1/6/2005 2:57:32 PM
Live Time: 600.0 seconds
Real Time: 601.1 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	2.19E+001	1.51E+001	3.57E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-6.54E-004	1.19E-001	2.40E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.45E-002	1.13E-001	1.98E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-2.68E-002	1.30E-001	2.36E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.74E-001	3.26E-001	7.13E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		6.52E-002	1.37E-001	2.74E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.79E-001	3.16E-001	4.96E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.65E-002	1.12E-001	2.18E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.77E-003	1.20E-001	2.43E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.19E-001	2.15E-001	4.68E-001
PB-212	NOT FOUND/DATA for	238.63 keV		9.40E-001	3.56E-001	7.29E-001
BI-214	1.03E+000	3.79E-001	6.14E-001	FOUND		
PB-214	1.23E+000	3.56E-001	5.69E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		4.63E+000	2.92E+000	6.00E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.67E+000	8.73E-001	1.96E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.05E-001	5.79E+001	1.06E+002
PA-231	NOT FOUND/DATA for	300.02 keV		3.24E+000	4.52E+000	8.44E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.56E-001	4.58E-001	8.25E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.47E+000	1.46E+001	3.66E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.67E+000	2.36E+000	4.28E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.01E+002	5.68E+002	1.01E+003
U-235	NOT FOUND/DATA for	185.71 keV		1.46E-001	1.79E-001	3.48E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.67E+000	2.36E+000	4.28E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.27E+000	9.84E-001	1.57E+000

Uncertainty reported at 2.0 sigma

****
***** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0412-309
Sample Title: B-5 West I/W trench bottom #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 4.680E+002 g
Sample Taken On: 12/28/2004 12:00:00 PM
Acquisition Started: 12/28/2004 3:25:55 PM
Live Time: 1800.0 seconds
Real Time: 1803.1 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	3.40E+001	8.40E+000	1.91E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.07E-002	8.24E-002	1.60E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.37E-003	8.00E-002	1.34E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		1.30E-001	1.08E-001	2.25E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.75E-002	2.08E-001	3.73E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		2.75E-002	8.11E-002	1.57E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-6.59E-002	2.44E-001	4.33E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.05E-001	8.88E-002	1.29E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.93E-002	9.97E-002	2.02E-001
TL-208	3.97E-001	1.12E-001	3.89E-001	FOUND		
PB-212	1.42E+000	1.98E-001	3.05E-001	FOUND		
BI-214	1.71E+000	5.47E-001	3.56E-001	FOUND		
PB-214	1.07E+000	1.96E-001	4.45E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.36E+000	1.89E+000	3.54E+000
AC-228	1.27E+000	4.28E-001	7.82E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.23E+001	3.35E+001	6.05E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.87E+000	3.39E+000	5.62E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-5.80E-002	3.34E-001	5.55E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.74E+001	1.43E+001	1.94E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.12E+000	1.60E+000	2.87E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.92E+002	2.92E+002	4.97E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.44E-001	1.16E-001	2.20E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.12E+000	1.60E+000	2.87E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.62E-001	5.40E-001	1.00E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0412-310
Sample Title: B-5 West H/W trench bottom #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.790E+002 g
Sample Taken On: 12/28/2004 12:00:00 PM
Acquisition Started: 12/28/2004 3:21:33 PM
Live Time: 1600.8 seconds
Real Time: 1603.6 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	2.63E+001	7.23E+000	2.44E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-3.53E-003	5.78E-002	1.25E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-5.10E-004	6.91E-002	1.16E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			5.62E-003	6.75E-002	1.41E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.14E-002	1.62E-001	3.06E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-8.92E-002	8.56E-002	1.10E-001
SB-125	NOT FOUND/DATA for 427.89 keV			6.34E-002	1.83E-001	3.48E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.32E-002	7.08E-002	1.17E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.36E-001	9.78E-002	2.02E-001
TL-208	3.90E-001	1.04E-001	1.60E-001	FOUND		
PB-212	1.51E+000	3.46E-001	4.02E-001	FOUND		
BI-214	1.17E+000	6.13E-001	3.24E-001	FOUND		
PB-214	1.09E+000	2.14E-001	3.78E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.71E+000	1.70E+000	3.28E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.22E+000	4.35E-001	9.77E-001
TH-230	NOT FOUND/DATA for 67.67 keV			-3.24E+001	2.88E+001	4.74E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.23E+000	3.02E+000	5.08E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-3.29E-001	3.09E-001	4.59E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-2.80E+000	1.12E+001	1.95E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.17E+000	1.34E+000	2.47E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.53E+002	2.88E+002	4.70E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.63E-001	1.05E-001	2.02E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.17E+000	1.34E+000	2.47E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.32E-001	4.93E-001	9.21E-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-0412-311
Sample Title: B-5 H/W Spoils pile - #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.820E+002 g
Sample Taken On: 12/28/2004 12:00:00 PM
Acquisition Started: 12/29/2004 7:38:45 AM
Live Time: 1500.0 seconds
Real Time: 1502.5 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	2.72E+001	6.72E+000	2.20E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.54E-002	6.57E-002	1.42E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.78E-002	6.19E-002	1.08E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.39E-002	7.69E-002	1.58E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.76E-002	1.40E-001	2.23E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.06E-003	5.50E-002	1.02E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.09E-002	1.81E-001	3.32E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.33E-002	6.62E-002	1.15E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-6.01E-003	7.29E-002	1.29E-001
TL-208	3.59E-001	9.29E-002	1.59E-001	FOUND		
PB-212	1.22E+000	2.17E-001	3.39E-001	FOUND		
BI-214	8.93E-001	1.98E-001	3.26E-001	FOUND		
PB-214	7.89E-001	1.86E-001	3.30E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.18E+000	1.55E+000	2.88E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.33E+000	4.33E-001	9.64E-001
TH-230	NOT FOUND/DATA for	67.67 keV		8.43E+000	2.54E+001	4.65E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.79E+000	2.68E+000	4.53E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-4.35E-002	2.60E-001	4.26E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.14E+000	1.06E+001	2.20E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.00E+000	1.26E+000	2.30E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.08E+002	2.34E+002	3.84E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.55E-002	9.50E-002	1.74E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.00E+000	1.26E+000	2.30E+000
AM-241	NOT FOUND/DATA for	59.54 keV		5.21E-002	4.48E-001	8.18E-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-0412-314
Sample Title: B-5 H/W Trench Soil (Post Decon)
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.470E+002 g
Sample Taken On: 12/29/2004 12:00:00 PM
Acquisition Started: 12/29/2004 11:55:25 AM
Live Time: 1800.0 seconds
Real Time: 1802.9 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	2.60E+001	6.57E+000	1.80E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.87E-002	5.87E-002	1.23E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.39E-003	6.15E-002	1.03E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			6.95E-002	6.69E-002	1.51E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.95E-002	1.70E-001	2.88E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-5.22E-002	6.87E-002	1.15E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.73E-001	1.68E-001	3.36E-001
CS-134	NOT FOUND/DATA for 604.70 keV			1.27E-003	6.13E-002	1.12E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-2.78E-002	7.09E-002	1.24E-001
TL-208	4.08E-001	9.05E-002	1.34E-001	FOUND		
PB-212	1.23E+000	4.32E-001	3.11E-001	FOUND		
BI-214	9.19E-001	1.81E-001	3.05E-001	FOUND		
PB-214	8.27E-001	4.78E-001	3.01E-001	FOUND		
RA-226	5.18E+000	4.25E+000	3.24E+000	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			8.63E-001	3.67E-001	7.94E-001
TH-230	NOT FOUND/DATA for 67.67 keV			-1.87E+001	2.69E+001	4.47E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.07E+000	2.32E+000	4.02E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.55E-001	2.39E-001	4.09E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-8.17E+000	1.24E+001	2.04E+001
TH-234	NOT FOUND/DATA for 92.60 keV			3.22E+000	1.31E+000	2.42E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.19E+002	2.34E+002	4.02E+002
U-235	3.15E-001	2.59E-001	1.97E-001	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			3.22E+000	1.31E+000	2.42E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-7.27E-002	4.04E-001	7.13E-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-0412-315
Sample Title: B-5 I/W H/W Spoils #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.453E+002 g
Sample Taken On: 12/29/2004 12:00:00 PM
Acquisition Started: 1/4/2005 8:18:24 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	2.58E+001	6.67E+000	1.71E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.06E-003	6.16E-002	1.19E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.68E-002	5.75E-002	1.03E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		5.46E-002	7.19E-002	1.65E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.36E-002	1.73E-001	2.92E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.14E-002	7.06E-002	1.19E-001
SB-125	NOT FOUND/DATA for	427.89 keV		5.04E-002	1.73E-001	3.35E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.96E-002	7.92E-002	1.20E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.26E-002	8.47E-002	1.67E-001
TL-208	3.48E-001	3.01E-001	1.88E-001	FOUND		
PB-212	9.56E-001	1.75E-001	3.11E-001	FOUND		
BI-214	9.56E-001	7.71E-001	3.75E-001	FOUND		
PB-214	7.68E-001	1.54E-001	3.13E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		6.62E-001	1.54E+000	2.83E+000
AC-228	8.83E-001	2.62E-001	5.00E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		6.98E-001	2.87E+001	5.10E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.11E+000	2.49E+000	4.39E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.41E-001	2.46E-001	4.32E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.89E+000	9.99E+000	2.12E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.29E+000	1.29E+000	2.32E+000
U-234	NOT FOUND/DATA for	53.20 keV		-8.27E+001	2.13E+002	3.75E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.15E-002	9.26E-002	1.68E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.29E+000	1.29E+000	2.32E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.08E-001	4.70E-001	8.74E-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-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-0412-320
Sample Title: B-5 I/W Trench bottom #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.598E+002 g
Sample Taken On: 12/30/2004 12:00:00 PM
Acquisition Started: 1/4/2005 2:05:26 PM
Live Time: 1800.0 seconds
Real Time: 1801.1 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	2.53E+001	6.53E+000	1.96E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.95E-002	6.12E-002	1.24E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.59E-002	5.80E-002	9.43E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		7.25E-002	5.94E-002	1.41E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-5.90E-002	1.50E-001	2.56E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.77E-002	5.84E-002	1.13E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.25E-001	1.63E-001	3.34E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.39E-002	5.77E-002	1.07E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.37E-002	6.69E-002	1.34E-001
TL-208	3.55E-001	8.53E-002	1.49E-001	FOUND		
PB-212	1.08E+000	1.53E-001	3.27E-001	FOUND		
BI-214	9.50E-001	5.13E-001	2.57E-001	FOUND		
PB-214	7.68E-001	4.38E-001	2.98E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.45E+000	1.49E+000	2.84E+000
AC-228	1.03E+000	3.02E-001	4.80E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.98E+000	2.51E+001	4.53E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.63E-001	2.10E+000	3.64E+000
PA-234	NOT FOUND/DATA for	98.44 keV		8.19E-002	2.43E-001	4.13E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.52E+000	1.22E+001	2.20E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.93E+000	1.21E+000	2.18E+000
U-234	NOT FOUND/DATA for	53.20 keV		-5.31E+000	2.21E+002	3.84E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.22E-002	9.13E-002	1.63E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.93E+000	1.20E+000	2.18E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-7.91E-003	4.21E-001	7.56E-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-0412-321
Sample Title: B-5 Spoils composite #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.705E+002 g
Sample Taken On: 12/30/2004 12:00:00 PM
Acquisition Started: 1/4/2005 3:09:47 PM
Live Time: 1539.6 seconds
Real Time: 1541.0 seconds
Dead Time: 0.09 %
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	2.41E+001	2.81E+000	1.81E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.57E-002	5.42E-002	1.10E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.42E-002	6.33E-002	1.03E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		5.40E-002	6.44E-002	1.48E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.19E-002	1.40E-001	2.53E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		2.65E-002	6.06E-002	1.21E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-6.56E-002	1.64E-001	2.90E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.75E-002	5.92E-002	1.01E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.18E-001	7.45E-002	1.62E-001
TL-208	3.26E-001	8.63E-002	1.64E-001	FOUND		
PB-212	1.05E+000	1.75E-001	3.17E-001	FOUND		
BI-214	6.35E-001	1.73E-001	3.03E-001	FOUND		
PB-214	7.26E-001	4.83E-001	4.05E-001	FOUND		
RA-226	2.04E+000	1.06E+000	2.26E+000	FOUND		
AC-228	8.32E-001	3.95E-001	4.72E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		2.81E+001	2.55E+001	4.93E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.24E-001	2.30E+000	3.93E+000
PA-234	NOT FOUND/DATA for	98.44 keV		3.68E-002	2.57E-001	4.34E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.07E+000	1.19E+001	2.42E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-1.23E-001	1.22E+000	2.04E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.16E+002	2.34E+002	4.32E+002
U-235	1.24E-001	6.44E-002	1.37E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		-1.23E-001	1.22E+000	2.04E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.69E-002	4.09E-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: MAC-0412-329
Sample Title: B-5 Spoils #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 4.973E+002 g
Sample Taken On: 12/2/2004 12:00:00 PM
Acquisition Started: 1/4/2005 9:47:50 AM
Live Time: 2100.0 seconds
Real Time: 2102.5 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	2.99E+001	6.61E+000	1.70E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.08E-002	7.41E-002	1.33E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.97E-003	7.12E-002	1.18E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-5.56E-002	9.84E-002	1.70E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.29E-001	1.89E-001	2.61E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.10E-002	7.64E-002	1.34E-001
SB-125	NOT FOUND/DATA for	427.89 keV		7.69E-002	2.25E-001	4.11E-001
CS-134	NOT FOUND/DATA for	604.70 keV		3.63E-002	6.92E-002	1.34E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.65E-002	9.07E-002	1.69E-001
TL-208	4.13E-001	9.35E-002	1.61E-001	FOUND		
PB-212	1.02E+000	1.62E-001	3.57E-001	FOUND		
BI-214	8.60E-001	2.01E-001	3.66E-001	FOUND		
PB-214	1.10E+000	1.74E-001	3.75E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.43E+000	1.73E+000	3.24E+000
AC-228	1.09E+000	2.01E-001	5.96E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		4.88E+000	2.82E+001	5.12E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-5.13E-001	2.56E+000	4.28E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.38E-001	2.92E-001	4.70E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.01E+001	1.29E+001	2.65E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.10E-001	1.36E+000	2.35E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.02E+002	2.54E+002	4.39E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.29E-001	1.04E-001	1.95E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.10E-001	1.36E+000	2.35E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.17E-001	4.95E-001	8.75E-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-0412-331
Sample Title: B-5 Under H/W by dumpster-trench #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.159E+002 g
Sample Taken On: 12/27/2004 12:00:00 PM
Acquisition Started: 1/4/2005 11:01:22 AM
Live Time: 2700.0 seconds
Real Time: 2703.1 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	2.55E+001	2.44E+000	1.44E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.44E-002	5.40E-002	9.67E-002
CO-57	NOT FOUND/DATA for	122.06 keV		1.82E-002	5.08E-002	8.60E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		7.38E-002	5.98E-002	1.31E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		4.03E-002	1.14E-001	2.22E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		6.60E-003	5.19E-002	9.57E-002
SB-125	NOT FOUND/DATA for	427.89 keV		8.33E-002	1.42E-001	2.68E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.82E-002	5.32E-002	8.33E-002
CS-137	NOT FOUND/DATA for	661.66 keV		7.21E-002	6.59E-002	1.28E-001
TL-208	3.20E-001	7.16E-002	1.47E-001	FOUND		
PB-212	1.33E+000	2.91E-001	2.18E-001	FOUND		
BI-214	1.24E+000	4.73E-001	2.37E-001	FOUND		
PB-214	1.05E+000	1.35E-001	2.52E-001	FOUND		
RA-226	2.60E+000	3.13E+000	2.83E+000	FOUND		
AC-228	1.29E+000	3.39E-001	4.01E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		8.15E+000	2.24E+001	4.05E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.32E+000	1.99E+000	3.38E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.37E-001	2.29E-001	3.41E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.86E+000	8.58E+000	1.50E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.58E-001	9.95E-001	1.69E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.32E+002	1.94E+002	3.54E+002
U-235	1.58E-001	1.91E-001	1.72E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		5.58E-001	9.95E-001	1.69E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.65E-001	3.59E-001	6.07E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location:	CE Windsor
Sample ID:	MAC-0501-020
Sample Title:	B5 SD/San Spoils Pile - #5
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	8.165E+002 g
Sample Taken On:	1/4/2005 12:00:00 PM
Acquisition Started:	1/5/2005 10:57:16 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	2.14E+001	5.16E+000	1.33E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.16E-002	4.72E-002	7.68E-002
CO-57	NOT FOUND/DATA for	122.06 keV		-2.74E-002	4.84E-002	7.78E-002
CO-60	NOT FOUND/DATA for	1173.24 keV		1.00E-001	5.63E-002	1.31E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.43E-001	1.10E-001	1.62E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.58E-002	4.62E-002	8.99E-002
SB-125	NOT FOUND/DATA for	427.89 keV		1.20E-002	1.30E-001	2.40E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.04E-002	4.72E-002	8.51E-002
CS-137	NOT FOUND/DATA for	661.66 keV		1.07E-001	6.42E-002	1.35E-001
TL-208	3.10E-001	6.93E-002	1.30E-001	FOUND		
PB-212	1.28E+000	3.34E-001	2.17E-001	FOUND		
BI-214	7.72E-001	1.57E-001	2.44E-001	FOUND		
PB-214	6.60E-001	1.86E-001	2.95E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.69E+000	1.14E+000	2.17E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.16E+000	3.10E-001	7.07E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-1.88E+000	2.12E+001	3.75E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.37E+000	1.94E+000	3.19E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.13E-001	1.96E-001	3.09E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.85E+000	8.80E+000	1.58E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-1.55E-001	1.02E+000	1.69E+000
U-234	NOT FOUND/DATA for	53.20 keV		-9.16E+000	1.73E+002	3.10E+002
U-235	NOT FOUND/DATA for	185.71 keV		8.02E-002	6.89E-002	1.28E-001
U-238	NOT FOUND/DATA for	92.60 keV		-1.55E-001	1.02E+000	1.69E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.01E-001	3.33E-001	5.65E-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-0501-041
Sample Title: B5 East-I/W Trench Bottom - #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.449E+002 g
Sample Taken On: 1/10/2005 12:00:00 PM
Acquisition Started: 1/11/2005 6:42:30 AM
Live Time: 1200.0 seconds
Real Time: 1201.7 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	2.68E+001	1.28E+002	1.86E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.50E-002	6.96E-002	1.22E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.14E-002	6.46E-002	1.06E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		5.09E-002	6.45E-002	1.52E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.78E-002	1.54E-001	2.88E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		5.89E-002	6.10E-002	1.32E-001
SB-125	NOT FOUND/DATA for	427.89 keV		6.62E-002	1.80E-001	3.50E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.13E-002	6.84E-002	1.14E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.71E-001	8.96E-002	1.99E-001
TL-208	2.72E-001	8.95E-002	1.56E-001	FOUND		
PB-212	1.12E+000	3.27E-001	3.15E-001	FOUND		
BI-214	9.77E-001	6.53E-001	3.03E-001	FOUND		
PB-214	7.47E-001	1.56E-001	3.52E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.73E+000	1.45E+000	2.80E+000
AC-228	1.08E+000	3.46E-001	5.34E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-9.22E+000	2.68E+001	4.72E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.83E+000	2.36E+000	4.21E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-6.71E-002	2.60E-001	4.30E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.87E+000	1.39E+001	2.52E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.13E-001	1.35E+000	2.34E+000
U-234	NOT FOUND/DATA for	53.20 keV		-6.29E+001	2.17E+002	3.90E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.66E-002	8.85E-002	1.65E-001
U-238	NOT FOUND/DATA for	92.60 keV		6.13E-001	1.35E+000	2.34E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.17E-001	4.74E-001	8.09E-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-0501-042
Sample Title: B5 East-I/W Trench Bottom - #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.058E+002 g
Sample Taken On: 1/10/2005 12:00:00 PM
Acquisition Started: 1/11/2005 7:16:17 AM
Live Time: 1200.0 seconds
Real Time: 1201.4 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	2.44E+001	7.73E+000	1.71E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.23E-002	6.50E-002	1.29E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.59E-002	6.26E-002	1.04E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.85E-002	7.69E-002	1.46E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.02E-002	1.48E-001	2.82E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.36E-002	6.87E-002	1.30E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-6.28E-002	1.98E-001	3.40E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.93E-003	6.54E-002	1.20E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.21E-002	8.87E-002	1.71E-001
TL-208	3.84E-001	1.00E-001	1.60E-001	FOUND		
PB-212	1.40E+000	4.57E-001	3.75E-001	FOUND		
BI-214	5.93E-001	1.96E-001	3.29E-001	FOUND		
PB-214	9.69E-001	2.72E-001	3.54E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.21E+000	1.69E+000	3.26E+000
AC-228	9.53E-001	2.90E-001	5.72E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		2.16E+001	2.72E+001	5.27E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.01E+000	2.51E+000	4.41E+000
PA-234	NOT FOUND/DATA for	98.44 keV		4.92E-002	2.65E-001	4.56E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.30E+001	1.03E+001	2.50E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.58E-001	1.26E+000	2.22E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.09E+002	2.60E+002	4.98E+002
U-235	NOT FOUND/DATA for	185.71 keV		7.45E-002	1.03E-001	1.93E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.58E-001	1.26E+000	2.22E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.94E-001	4.63E-001	7.95E-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-0501-043
Sample Title: B5 East- I/W Spolis Pile - #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.303E+002 g
Sample Taken On: 1/10/2005 12:00:00 PM
Acquisition Started: 1/11/2005 8:27:35 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	2.11E+001	2.81E+000	2.14E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.26E-002	6.00E-002	1.21E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.83E-002	6.10E-002	1.06E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		7.99E-002	7.23E-002	1.74E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		4.77E-002	1.61E-001	3.24E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		7.83E-003	6.50E-002	1.26E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.56E-002	1.91E-001	3.46E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.21E-002	6.74E-002	1.11E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.02E-001	8.89E-002	1.86E-001
TL-208	3.94E-001	1.47E-001	1.75E-001	FOUND		
PB-212	1.35E+000	3.17E-001	3.35E-001	FOUND		
BI-214	5.71E-001	1.75E-001	2.78E-001	FOUND		
PB-214	5.62E-001	1.81E-001	3.16E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		9.82E-001	1.54E+000	2.87E+000
AC-228	1.12E+000	3.58E-001	5.94E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.25E+000	3.09E+001	5.46E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.68E-001	2.45E+000	4.22E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.07E-001	2.62E-001	4.25E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.36E+000	1.40E+001	2.64E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.44E+000	1.25E+000	2.38E+000
U-234	NOT FOUND/DATA for	53.20 keV		4.97E+001	2.34E+002	4.40E+002
U-235	NOT FOUND/DATA for	185.71 keV		-1.69E-003	9.29E-002	1.66E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.44E+000	1.24E+000	2.38E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.38E-001	4.35E-001	8.25E-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-0501-044
Sample Title: B5 East- I/W Spolis Pile - #4
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.550E+002 g
Sample Taken On: 1/10/2005 12:00:00 PM
Acquisition Started: 1/11/2005 7:48:06 AM
Live Time: 1200.0 seconds
Real Time: 1201.7 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	1.96E+001	2.59E+000	1.81E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.95E-002	6.63E-002	1.46E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.46E-002	5.82E-002	9.50E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		7.24E-002	6.32E-002	1.57E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.10E-002	1.70E-001	3.13E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.17E-002	6.36E-002	1.02E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-7.41E-002	1.74E-001	3.07E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.40E-003	7.22E-002	1.25E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.00E-003	7.38E-002	1.39E-001
TL-208	3.14E-001	9.35E-002	1.49E-001	FOUND		
PB-212	9.11E-001	3.66E-001	2.86E-001	FOUND		
BI-214	8.32E-001	3.75E-001	3.07E-001	FOUND		
PB-214	6.61E-001	1.46E-001	3.10E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.39E+000	1.50E+000	2.95E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.75E-001	3.89E-001	8.43E-001
TH-230	NOT FOUND/DATA for	67.67 keV		1.09E+001	2.57E+001	4.81E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.28E+000	2.35E+000	4.19E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-6.38E-003	2.31E-001	3.92E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		7.65E+000	1.23E+001	2.56E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-9.10E-002	1.25E+000	2.08E+000
U-234	NOT FOUND/DATA for	53.20 keV		-5.70E+001	2.25E+002	4.03E+002
U-235	NOT FOUND/DATA for	185.71 keV		3.35E-002	9.25E-002	1.69E-001
U-238	NOT FOUND/DATA for	92.60 keV		-9.10E-002	1.25E+000	2.08E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.58E-001	4.68E-001	7.75E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0501-62
Sample Title: B5 H/W Re-dig Spolis Pile - #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.767E+002 g
Sample Taken On: 1/10/2005 12:00:00 PM
Acquisition Started: 1/12/2005 6:13:51 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	2.11E+001	6.06E+000	1.78E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-9.16E-003	5.91E-002	1.11E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.06E-002	5.52E-002	9.09E-002
CO-60	NOT FOUND/DATA for	1173.24 keV		1.15E-002	6.67E-002	1.33E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.03E-002	1.25E-001	2.46E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.38E-002	5.34E-002	9.42E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-1.31E-001	1.37E-001	2.19E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-4.91E-002	6.54E-002	1.00E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.90E-002	6.55E-002	1.28E-001
TL-208	3.44E-001	8.58E-002	1.54E-001	FOUND		
PB-212	5.96E-001	1.38E-001	2.83E-001	FOUND		
BI-214	7.40E-001	4.71E-001	2.85E-001	FOUND		
PB-214	6.72E-001	1.67E-001	2.89E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.55E+000	1.43E+000	2.79E+000
AC-228	8.42E-001	2.08E-001	4.24E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		7.94E+000	2.32E+001	4.27E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.44E+000	2.08E+000	3.70E+000
PA-234	NOT FOUND/DATA for	98.44 keV		8.43E-002	2.28E-001	3.93E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		7.95E-002	1.08E+001	2.01E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.55E-001	1.05E+000	1.87E+000
U-234	NOT FOUND/DATA for	53.20 keV		-5.75E+001	1.97E+002	3.51E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.20E-001	8.67E-002	1.66E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.55E-001	1.05E+000	1.87E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.09E-001	3.92E-001	6.61E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0501-76
Sample Title: B5 South H/W Term - #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.079E+002 g
Sample Taken On: 1/13/2004 12:00:00 PM
Acquisition Started: 1/13/2005 6:52:26 AM
Live Time: 1200.0 seconds
Real Time: 1201.7 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	2.03E+001	7.17E+000	1.38E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.86E-003	1.47E-001	2.69E-001
CO-57	NOT FOUND/DATA for	122.06 keV		8.48E-002	1.73E-001	3.03E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		3.67E-002	8.68E-002	1.81E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		4.42E-002	4.52E-001	8.86E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		7.96E-002	1.75E-001	3.58E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-4.14E-002	2.35E-001	4.30E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-9.63E-002	9.92E-002	1.60E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-1.30E-002	8.20E-002	1.48E-001
TL-208	2.65E-001	8.62E-002	1.56E-001	FOUND		
PB-212	9.68E-001	3.78E-001	3.30E-001	FOUND		
BI-214	1.24E+000	4.94E-001	3.25E-001	FOUND		
PB-214	5.62E-001	1.69E-001	3.79E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		5.62E-001	1.50E+000	2.77E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.36E-001	4.13E-001	9.17E-001
TH-230	NOT FOUND/DATA for	67.67 keV		4.44E+000	2.73E+001	5.05E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.09E+000	2.46E+000	4.39E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.45E-001	2.76E-001	4.23E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.80E-001	1.09E+001	2.13E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.31E+000	1.24E+000	2.26E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.05E+002	2.49E+002	4.10E+002
U-235	NOT FOUND/DATA for	185.71 keV		-2.28E-003	9.28E-002	1.66E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.31E+000	1.24E+000	2.26E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.30E-002	4.02E-001	7.31E-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-0501-77
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

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	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

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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-0501-078
Sample Title: B5 High-bay Center H/W Trench-#3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.651E+002 g
Sample Taken On: 1/12/2005 12:00:00 PM
Acquisition Started: 1/12/2005 4:17:04 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	2.26E+001	5.20E+000	1.15E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-9.88E-003	4.98E-002	9.13E-002
CO-57	NOT FOUND/DATA for	122.06 keV		3.28E-002	4.66E-002	8.16E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		4.17E-002	5.92E-002	1.27E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.57E-002	1.10E-001	1.87E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		7.00E-003	5.56E-002	1.03E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.40E-002	1.32E-001	2.34E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.84E-002	5.56E-002	9.48E-002
CS-137	NOT FOUND/DATA for	661.66 keV		8.63E-002	6.63E-002	1.36E-001
TL-208	3.17E-001	2.25E-001	1.22E-001	FOUND		
PB-212	7.57E-001	1.19E-001	2.76E-001	FOUND		
BI-214	9.45E-001	3.36E-001	2.52E-001	FOUND		
PB-214	6.54E-001	1.42E-001	2.51E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.16E+000	1.23E+000	2.28E+000
AC-228	7.02E-001	3.05E-001	4.09E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-5.49E+000	1.98E+001	3.45E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.55E+000	2.15E+000	3.53E+000
PA-234	NOT FOUND/DATA for	98.44 keV		9.30E-003	2.03E-001	3.38E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.18E+000	9.42E+000	1.94E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.37E-001	9.13E-001	1.59E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.05E+002	1.75E+002	3.28E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.60E-002	7.46E-002	1.41E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.37E-001	9.13E-001	1.59E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.35E-001	3.52E-001	6.64E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location:	CE Windsor
Sample ID:	MAC-0501-207
Sample Title:	Sanitary Spoils Pile - #2
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.343E+002 g
Sample Taken On:	1/26/2005 12:00:00 PM
Acquisition Started:	1/26/2005 3:46:57 PM
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	2.09E+001	2.73E+000	1.79E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.24E-002	6.91E-002	1.28E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.86E-002	6.17E-002	9.81E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		1.51E-002	7.31E-002	1.48E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.78E-001	2.13E-001	2.70E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-7.17E-002	6.56E-002	9.86E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-2.22E-002	1.53E-001	2.83E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.82E-002	6.68E-002	1.04E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.52E-002	8.00E-002	1.67E-001
TL-208	3.29E-001	2.11E-001	1.48E-001	FOUND		
PB-212	1.20E+000	3.04E-001	3.39E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		7.85E-001	2.35E-001	5.20E-001
PB-214	7.37E-001	2.58E-001	4.46E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.19E+000	1.57E+000	3.05E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.16E+000	4.32E-001	9.75E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-2.05E+001	2.65E+001	4.53E+001
PA-231	NOT FOUND/DATA for	300.02 keV		8.78E-001	2.43E+000	4.31E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.84E-001	2.83E-001	4.14E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.17E-001	9.79E+000	1.96E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.45E+000	1.19E+000	2.18E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.61E+002	2.60E+002	4.98E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.42E-001	9.48E-002	1.85E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.45E+000	1.18E+000	2.18E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.50E-001	4.27E-001	6.85E-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-0501-208
Sample Title: B-5 M/H I/W Spoils Pile - #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.203E+002 g
Sample Taken On: 1/26/2005 12:00:00 PM
Acquisition Started: 1/26/2005 4:17:11 PM
Live Time: 1200.0 seconds
Real Time: 1202.1 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	2.23E+001	6.41E+000	1.77E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.14E-002	7.48E-002	1.50E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.32E-002	6.04E-002	1.07E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		7.33E-002	7.08E-002	1.65E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.30E-002	1.44E-001	2.62E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.63E-002	5.80E-002	9.71E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-1.53E-002	1.47E-001	2.71E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.37E-002	6.86E-002	1.17E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.36E-002	8.96E-002	1.68E-001
TL-208	3.27E-001	9.26E-002	1.58E-001	FOUND		
PB-212	1.10E+000	2.75E-001	2.92E-001	FOUND		
BI-214	7.10E-001	5.04E-001	2.88E-001	FOUND		
PB-214	8.23E-001	2.26E-001	3.35E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		6.81E-001	1.38E+000	2.56E+000
AC-228	9.60E-001	3.11E-001	5.01E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		5.80E-001	2.47E+001	4.50E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.19E+000	2.57E+000	4.30E+000
PA-234	NOT FOUND/DATA for	131.20 keV		8.37E-002	2.64E-001	4.47E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.56E-001	9.62E+000	1.92E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.21E-001	1.17E+000	2.00E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.68E+002	2.37E+002	4.43E+002
U-235	NOT FOUND/DATA for	185.71 keV		3.16E-002	8.39E-002	1.54E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.21E-001	1.17E+000	2.00E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.11E-001	4.19E-001	7.69E-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 209
Sample Title: B5 I/W Trench Bottom - #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.430E+002 g
Sample Taken On: 1/26/2005 12:00:00 PM
Acquisition Started: 1/27/2005 7:45:28 AM
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	2.30E+001	1.89E+000	2.24E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.94E-002	7.38E-002	1.63E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.72E-002	7.07E-002	1.23E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			4.89E-002	8.53E-002	1.95E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.22E-001	1.81E-001	3.08E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.48E-002	8.23E-002	1.61E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.49E-002	1.92E-001	3.73E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.24E-002	9.44E-002	1.33E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-5.85E-003	8.98E-002	1.70E-001
TL-208	3.60E-001	6.01E-001	1.60E-001	FOUND		
PB-212	7.91E-001	1.70E-001	3.40E-001	FOUND		
BI-214	1.37E+000	6.04E-001	3.46E-001	FOUND		
PB-214	4.68E-001	2.55E-001	4.52E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.18E+000	1.78E+000	3.37E+000
AC-228	NOT FOUND/DATA for 911.21 keV			6.36E-001	4.62E-001	1.00E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.25E+000	3.63E+001	6.36E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-1.60E+000	2.53E+000	3.89E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.60E-002	3.04E-001	5.08E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			5.89E+000	1.45E+001	3.06E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.43E+000	1.42E+000	2.61E+000
U-234	NOT FOUND/DATA for 53.20 keV			7.69E+001	2.65E+002	5.02E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.23E-003	1.09E-001	1.98E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.43E+000	1.42E+000	2.61E+000
AM-241	NOT FOUND/DATA for 59.54 keV			6.04E-002	5.49E-001	1.01E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC 0501 210
Sample Title: B5 I/W Trench Bottom - #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.167E+002 g
Sample Taken On: 1/26/2005 12:00:00 PM
Acquisition Started: 1/27/2005 8:06:53 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	2.25E+001	7.56E+000	9.00E-001	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.43E-002	7.12E-002	1.49E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.19E-002	6.88E-002	1.13E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.07E-002	8.98E-002	1.69E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.51E-001	1.83E-001	2.96E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.17E-002	5.96E-002	1.21E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.16E-002	2.03E-001	3.55E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.11E-002	7.97E-002	1.09E-001
CS-137	NOT FOUND/DATA for	661.66 keV		9.41E-002	7.46E-002	1.71E-001
TL-208	4.15E-001	3.75E-001	1.68E-001	FOUND		
PB-212	1.20E+000	4.70E-001	2.89E-001	FOUND		
BI-214	9.50E-001	7.60E-001	3.62E-001	FOUND		
PB-214	8.33E-001	1.77E-001	3.38E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.40E+000	1.69E+000	3.33E+000
AC-228	NOT FOUND/DATA for	911.21 keV		7.12E-001	4.26E-001	9.38E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-5.83E+000	2.83E+001	5.11E+001
PA-231	NOT FOUND/DATA for	300.02 keV		9.58E-001	2.81E+000	4.98E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-7.74E-002	2.65E-001	4.40E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		9.41E-001	1.35E+001	2.68E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.65E-001	1.45E+000	2.52E+000
U-234	NOT FOUND/DATA for	53.20 keV		-8.34E+001	2.60E+002	4.63E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.13E-001	1.04E-001	2.01E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.65E-001	1.45E+000	2.52E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.95E-002	5.06E-001	8.96E-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 211
Sample Title: B5 I/W Trench Bottom - #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.816E+002 g
Sample Taken On: 1/26/2005 12:00:00 PM
Acquisition Started: 1/27/2005 8:30:03 AM
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	2.07E+001	9.16E+000	1.65E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.46E-002	6.69E-002	1.45E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-6.84E-002	6.73E-002	1.03E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.07E-002	9.18E-002	1.94E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.66E-002	1.77E-001	3.09E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-7.86E-002	7.42E-002	1.16E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.48E-001	2.08E-001	4.17E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.06E-001	8.18E-002	1.05E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.97E-002	1.04E-001	1.83E-001
TL-208	4.60E-001	1.16E-001	1.50E-001	FOUND		
PB-212	9.73E-001	1.78E-001	3.09E-001	FOUND		
BI-214	8.56E-001	6.75E-001	3.06E-001	FOUND		
PB-214	7.50E-001	2.11E-001	3.70E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.00E+000	1.81E+000	3.50E+000
AC-228	9.79E-001	3.05E-001	5.93E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			-7.92E+000	3.00E+001	5.34E+001
PA-231	NOT FOUND/DATA for 300.02 keV			4.75E-001	2.85E+000	4.96E+000
PA-234	NOT FOUND/DATA for 131.20 keV			1.58E-002	3.02E-001	5.15E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			8.89E+000	1.41E+001	3.01E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.15E+000	1.39E+000	2.62E+000
U-234	NOT FOUND/DATA for 53.20 keV			-4.00E+001	2.43E+002	4.44E+002
U-235	NOT FOUND/DATA for 185.71 keV			6.39E-002	1.13E-001	2.11E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.15E+000	1.38E+000	2.62E+000
AM-241	NOT FOUND/DATA for 59.54 keV			3.07E-001	4.96E-001	9.68E-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-0501-218
Sample Title: B5 I/W Spoils Composite #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.794E+002 g
Sample Taken On: 1/27/2005 12:00:00 PM
Acquisition Started: 1/31/2005 3:39:32 PM
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	2.32E+001	8.62E+000	2.27E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.52E-002	9.36E-002	1.97E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.21E-002	7.71E-002	1.34E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			5.63E-002	1.21E-001	2.50E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.70E-001	2.17E-001	3.40E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.82E-002	8.80E-002	1.53E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-4.41E-002	2.08E-001	3.77E-001
CS-134	NOT FOUND/DATA for 604.70 keV			1.35E-002	7.03E-002	1.42E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.02E-001	8.88E-002	2.01E-001
TL-208	3.27E-001	1.24E-001	2.11E-001	FOUND		
PB-212	1.12E+000	4.60E-001	4.48E-001	FOUND		
BI-214	8.06E-001	2.50E-001	4.05E-001	FOUND		
PB-214	9.59E-001	3.26E-001	3.99E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.73E+000	2.09E+000	4.18E+000
AC-228	8.97E-001	3.67E-001	6.31E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			1.87E+000	3.37E+001	6.21E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.22E+000	2.97E+000	5.39E+000
PA-234	NOT FOUND/DATA for 98.44 keV			3.59E-002	3.14E-001	5.43E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.44E+000	1.26E+001	2.67E+001
TH-234	NOT FOUND/DATA for 92.60 keV			6.46E-001	1.49E+000	2.64E+000
U-234	NOT FOUND/DATA for 53.20 keV			-9.37E+001	2.86E+002	5.11E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.90E-001	1.24E-001	2.46E-001
U-238	NOT FOUND/DATA for 92.60 keV			6.46E-001	1.49E+000	2.64E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.06E-001	4.72E-001	8.23E-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-0501-220
Sample Title: B-5 I/W Trench Bottom #9
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.481E+002 g
Sample Taken On: 1/27/2005 12:00:00 PM
Acquisition Started: 1/31/2005 9:22:56 AM
Live Time: 900.0 seconds
Real Time: 901.6 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	2.04E+001	3.02E+000	2.62E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.53E-002	7.61E-002	1.46E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.19E-002	6.98E-002	1.22E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.35E-002	8.04E-002	1.75E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		5.77E-002	2.14E-001	3.86E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		1.75E-002	8.45E-002	1.82E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.49E-002	1.93E-001	3.71E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-9.35E-002	9.66E-002	1.24E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.56E-002	9.19E-002	1.83E-001
TL-208	3.37E-001	1.07E-001	1.81E-001	FOUND		
PB-212	9.40E-001	1.97E-001	3.67E-001	FOUND		
BI-214	8.25E-001	4.68E-001	3.90E-001	FOUND		
PB-214	7.72E-001	5.96E-001	4.08E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		7.76E-001	1.80E+000	3.34E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.49E+000	5.04E-001	1.19E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.34E+001	3.13E+001	6.10E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.42E+000	2.84E+000	5.01E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.75E-001	3.27E-001	5.24E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.66E+000	1.02E+001	2.12E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.51E-001	1.51E+000	2.65E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.12E+002	2.98E+002	5.84E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.70E-002	1.14E-001	2.10E-001
U-238	NOT FOUND/DATA for	92.60 keV		6.51E-001	1.51E+000	2.65E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.17E-001	5.27E-001	9.33E-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

Site Location: CE Windsor
Sample ID: MAC-0501-221
Sample Title: B-5 I/W Trench Bottom #8
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.030E+002 g
Sample Taken On: 1/27/2005 12:00:00 PM
Acquisition Started: 1/31/2005 10:26:53 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	3.33E+001	1.51E+001	3.80E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.45E-002	1.21E-001	2.59E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.78E-002	1.11E-001	1.86E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		1.26E-001	1.29E-001	2.99E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.14E-001	2.74E-001	4.00E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.13E-001	1.24E-001	1.82E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-4.34E-003	2.91E-001	5.38E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.70E-001	1.13E-001	1.56E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.34E-001	1.38E-001	2.97E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.44E-001	1.99E-001	4.26E-001
PB-212	1.35E+000	2.70E-001	6.05E-001	FOUND		
BI-214	1.07E+000	3.23E-001	4.80E-001	FOUND		
PB-214	1.20E+000	3.16E-001	5.73E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.61E+000	2.39E+000	4.59E+000
AC-228	1.73E+000	5.44E-001	1.07E+000	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.98E+001	4.49E+001	8.56E+001
PA-231	NOT FOUND/DATA for	300.02 keV		4.27E+000	4.35E+000	7.78E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-4.66E-001	5.53E-001	7.30E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.26E+001	2.17E+001	4.98E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-2.25E-002	2.13E+000	3.62E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.89E+002	4.12E+002	8.07E+002
U-235	NOT FOUND/DATA for	185.71 keV		-1.31E-002	1.49E-001	2.68E-001
U-238	NOT FOUND/DATA for	92.60 keV		-2.25E-002	2.13E+000	3.62E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-9.11E-002	8.19E-001	1.49E+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-0501-222
Sample Title: B-5 I/W Trench Bottom #9
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.481E+002 g
Sample Taken On: 1/27/2005 12:00:00 PM
Acquisition Started: 2/15/2005 10:34:38 AM
Live Time: 900.0 seconds
Real Time: 900.7 seconds
Dead Time: 0.08 %
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	2.59E+001	4.07E+000	2.27E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.24E-002	7.67E-002	1.57E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.68E-002	7.81E-002	1.35E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-3.90E-002	7.88E-002	1.40E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.10E-002	1.66E-001	3.22E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.26E-002	8.45E-002	1.64E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.09E-002	2.13E-001	3.93E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.52E-003	8.32E-002	1.54E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.48E-002	1.09E-001	2.15E-001
TL-208	3.11E-001	1.06E-001	1.72E-001	FOUND		
PB-212	7.79E-001	1.94E-001	4.33E-001	FOUND		
BI-214	7.19E-001	2.13E-001	4.17E-001	FOUND		
PB-214	6.84E-001	2.80E-001	3.33E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.04E+000	1.89E+000	3.47E+000
AC-228	1.24E+000	1.32E+000	4.26E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			2.45E+001	2.90E+001	5.75E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-7.92E-001	2.92E+000	4.90E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-4.77E-002	3.22E-001	5.39E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			5.50E+000	1.67E+001	3.35E+001
TH-234	NOT FOUND/DATA for 92.60 keV			7.25E-001	1.53E+000	2.68E+000
U-234	NOT FOUND/DATA for 53.20 keV			-5.99E+001	2.61E+002	4.71E+002
U-235	NOT FOUND/DATA for 185.71 keV			6.35E-002	1.09E-001	2.05E-001
U-238	NOT FOUND/DATA for 92.60 keV			7.25E-001	1.53E+000	2.68E+000
AM-241	NOT FOUND/DATA for 59.54 keV			4.44E-001	5.67E-001	1.10E+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-0501-223
Sample Title: B-5 I/W Trench Bottom #10
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.103E+002 g
Sample Taken On: 1/27/2005 12:00:00 PM
Acquisition Started: 2/15/2005 10:59:10 AM
Live Time: 900.0 seconds
Real Time: 900.8 seconds
Dead Time: 0.09 %
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	2.33E+001	7.99E+000	1.91E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.57E-002	8.11E-002	1.66E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-8.39E-003	9.11E-002	1.47E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			5.34E-002	9.46E-002	2.05E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.20E-001	2.35E-001	4.81E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-5.61E-003	8.54E-002	1.63E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.95E-002	2.09E-001	3.85E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-6.63E-002	7.99E-002	1.33E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-8.76E-003	8.80E-002	1.67E-001
TL-208	3.60E-001	1.12E-001	1.62E-001	FOUND		
PB-212	1.24E+000	3.71E-001	3.71E-001	FOUND		
BI-214	1.08E+000	5.45E-001	3.09E-001	FOUND		
PB-214	1.07E+000	7.43E-001	3.85E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.38E+000	1.83E+000	3.50E+000
AC-228	NOT FOUND/DATA for 911.21 keV			8.48E-001	5.08E-001	1.11E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.85E+001	3.23E+001	5.61E+001
PA-231	NOT FOUND/DATA for 300.02 keV			7.65E-001	2.89E+000	5.16E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-4.95E-002	3.29E-001	5.44E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-7.33E+000	1.40E+001	2.40E+001
TH-234	NOT FOUND/DATA for 92.60 keV			7.63E-001	1.39E+000	2.49E+000
U-234	NOT FOUND/DATA for 53.20 keV			4.31E+002	2.86E+002	5.78E+002
U-235	NOT FOUND/DATA for 185.71 keV			4.54E-002	1.13E-001	2.10E-001
U-238	NOT FOUND/DATA for 92.60 keV			7.63E-001	1.39E+000	2.49E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.55E-001	5.62E-001	1.08E+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-0501-224
Sample Title: B-5 I/W Trench Bottom #11
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.102E+002 g
Sample Taken On: 1/27/2005 12:00:00 PM
Acquisition Started: 2/15/2005 3:50:47 PM
Live Time: 900.0 seconds
Real Time: 900.9 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	2.46E+001	9.93E+000	2.12E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.72E-002	8.00E-002	1.66E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.80E-004	7.87E-002	1.34E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		7.49E-002	1.02E-001	2.32E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.76E-001	2.39E-001	3.18E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.27E-002	8.83E-002	1.47E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.23E-002	2.03E-001	3.75E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.93E-002	8.98E-002	1.62E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.13E-002	9.68E-002	1.97E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.75E-001	1.33E-001	3.02E-001
PB-212	1.35E+000	5.83E-001	3.45E-001	FOUND		
BI-214	1.00E+000	2.63E-001	3.99E-001	FOUND		
PB-214	8.59E-001	5.34E-001	3.88E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.18E+000	2.00E+000	3.86E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.00E+000	4.63E-001	1.08E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.95E+001	3.47E+001	6.65E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.59E+000	3.25E+000	5.73E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.28E-001	3.56E-001	5.22E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.25E-001	1.06E+001	2.23E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.09E-001	1.54E+000	2.67E+000
U-234	NOT FOUND/DATA for	53.20 keV		7.85E+001	2.90E+002	5.46E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.36E-001	1.20E-001	2.33E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.09E-001	1.54E+000	2.67E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.47E-001	5.32E-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-0501-225
Sample Title: B-5 I/W Trench Bottom #12
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.902E+002 g
Sample Taken On: 1/27/2005 12:00:00 PM
Acquisition Started: 2/15/2005 4:28:49 PM
Live Time: 900.0 seconds
Real Time: 901.0 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	2.05E+001	3.01E+000	2.53E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.05E-002	7.10E-002	1.49E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.34E-002	7.43E-002	1.28E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.76E-002	7.86E-002	1.56E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.10E-002	1.86E-001	3.22E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.45E-002	6.99E-002	1.32E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.58E-002	1.94E-001	3.72E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.37E-003	7.71E-002	1.39E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.30E-002	9.11E-002	1.85E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.96E-001	1.24E-001	2.71E-001
PB-212	NOT FOUND/DATA for	238.63 keV		7.99E-001	2.23E-001	4.53E-001
BI-214	6.69E-001	2.13E-001	3.35E-001	FOUND		
PB-214	6.13E-001	1.83E-001	3.55E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.12E+000	1.70E+000	3.35E+000
AC-228	8.45E-001	4.15E-001	5.09E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.48E+001	2.70E+001	4.73E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.47E+000	2.75E+000	4.95E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.88E-002	2.68E-001	4.63E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-8.35E+000	1.37E+001	2.30E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-5.50E-002	1.34E+000	2.27E+000
U-234	NOT FOUND/DATA for	53.20 keV		-6.10E+001	2.40E+002	4.32E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.01E-002	1.07E-001	2.00E-001
U-238	NOT FOUND/DATA for	92.60 keV		-5.50E-002	1.34E+000	2.27E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.95E-001	4.37E-001	8.49E-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-0501-226
Sample Title: B-5 I/W Trench Bottom #13
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.507E+002 g
Sample Taken On: 1/27/2005 12:00:00 PM
Acquisition Started: 1/31/2005 9:05:21 AM
Live Time: 900.0 seconds
Real Time: 901.5 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	1.98E+001	8.17E+000	1.97E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-5.72E-002	7.67E-002	1.26E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.86E-002	8.71E-002	1.35E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		8.01E-002	8.80E-002	2.10E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.51E-001	2.26E-001	3.25E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		4.10E-002	6.23E-002	1.38E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.26E-001	2.18E-001	3.70E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.05E-002	9.12E-002	1.44E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.60E-002	8.67E-002	1.77E-001
TL-208	3.82E-001	1.15E-001	1.89E-001	FOUND		
PB-212	8.72E-001	1.80E-001	3.59E-001	FOUND		
BI-214	9.77E-001	2.47E-001	3.68E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		9.00E-001	2.73E-001	5.89E-001
RA-226	NOT FOUND/DATA for	186.10 keV		3.18E+000	1.85E+000	3.71E+000
AC-228	9.26E-001	3.98E-001	6.00E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.59E+001	3.19E+001	5.62E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.26E+000	2.65E+000	4.82E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-8.52E-002	3.03E-001	5.03E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.34E+000	1.50E+001	2.68E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-1.64E-001	1.43E+000	2.39E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.75E+002	2.90E+002	5.59E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.17E-001	1.14E-001	2.30E-001
U-238	NOT FOUND/DATA for	92.60 keV		-1.64E-001	1.43E+000	2.39E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.09E-001	5.43E-001	1.05E+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-0501-227
Sample Title: B-5 I/W Trench Bottom #14
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.469E+002 g
Sample Taken On: 1/27/2005 12:00:00 PM
Acquisition Started: 1/31/2005 10:45:56 AM
Live Time: 900.0 seconds
Real Time: 901.5 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	2.16E+001	9.08E+000	2.22E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-9.01E-003	7.09E-002	1.33E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.20E-002	7.95E-002	1.24E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-2.73E-003	9.56E-002	1.94E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.43E-001	1.77E-001	2.90E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.86E-002	6.52E-002	1.17E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-4.41E-002	2.03E-001	3.72E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.82E-002	8.02E-002	1.33E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.08E-002	7.31E-002	1.59E-001
TL-208	3.17E-001	1.09E-001	1.91E-001	FOUND		
PB-212	9.38E-001	1.74E-001	3.63E-001	FOUND		
BI-214	8.61E-001	2.30E-001	3.26E-001	FOUND		
PB-214	6.14E-001	1.74E-001	3.99E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.34E+000	1.83E+000	3.58E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.35E-001	4.78E-001	1.03E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-3.93E+001	2.99E+001	4.79E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.05E+000	3.00E+000	5.40E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-3.64E-003	3.10E-001	5.23E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.55E+000	9.69E+000	2.12E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.44E+000	1.43E+000	2.63E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.02E+001	2.42E+002	4.64E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.15E-001	1.11E-001	2.15E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.44E+000	1.43E+000	2.63E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.22E-001	4.90E-001	9.34E-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-0501-228
Sample Title: B-5 I/W Trench Bottom #15
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.870E+002 g
Sample Taken On: 1/27/2005 12:00:00 PM
Acquisition Started: 1/31/2005 10:00:37 AM
Live Time: 900.0 seconds
Real Time: 901.5 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	2.59E+001	3.96E+000	3.02E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.98E-003	1.01E-001	1.78E-001
CO-57	NOT FOUND/DATA for	122.06 keV		9.53E-002	9.31E-002	1.73E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.12E-002	1.00E-001	1.94E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.04E-001	3.30E-001	4.56E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.74E-002	9.07E-002	1.83E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.15E-001	2.51E-001	5.06E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.13E-002	1.06E-001	1.80E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-2.61E-002	1.17E-001	2.15E-001
TL-208	3.33E-001	1.28E-001	2.16E-001	FOUND		
PB-212	9.40E-001	2.26E-001	5.07E-001	FOUND		
BI-214	9.95E-001	2.82E-001	4.44E-001	FOUND		
PB-214	1.09E+000	9.11E-001	5.49E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.62E+000	2.45E+000	4.69E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.54E+000	6.59E-001	1.49E+000
TH-230	NOT FOUND/DATA for	67.67 keV		3.67E+000	4.02E+001	7.41E+001
PA-231	NOT FOUND/DATA for	300.02 keV		4.10E+000	3.80E+000	6.74E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.67E-001	4.11E-001	6.44E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.86E-001	1.93E+001	3.43E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.80E-001	1.87E+000	3.22E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.38E+002	3.49E+002	6.84E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.06E-001	1.49E-001	2.91E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.80E-001	1.87E+000	3.22E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.02E-001	6.66E-001	1.14E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location:	CE Windsor
Sample ID:	MAC-0501-229
Sample Title:	B-5 Trench Bottom #1
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.674E+002 g
Sample Taken On:	1/31/2005 12:00:00 PM
Acquisition Started:	1/31/2005 12:51:28 PM
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	2.04E+001	7.56E+000	1.73E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.30E-002	7.57E-002	1.40E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.28E-002	7.97E-002	1.31E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.49E-002	8.59E-002	1.95E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.14E-002	2.31E-001	3.96E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		3.36E-004	8.26E-002	1.76E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.73E-001	1.79E-001	3.94E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.02E-001	9.67E-002	1.29E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.81E-002	1.22E-001	2.41E-001
TL-208	3.14E-001	1.42E-001	1.84E-001	FOUND		
PB-212	1.05E+000	2.15E-001	3.61E-001	FOUND		
BI-214	8.17E-001	7.36E-001	4.00E-001	FOUND		
PB-214	1.04E+000	9.12E-001	4.91E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.01E+000	1.90E+000	3.72E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.07E+000	5.18E-001	1.18E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.91E+000	3.45E+001	6.32E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.50E+000	3.47E+000	6.10E+000
PA-234	NOT FOUND/DATA for	883.24 keV		-6.89E-001	8.60E-001	6.02E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.48E+000	1.55E+001	3.28E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.52E+000	1.43E+000	2.67E+000
U-234	NOT FOUND/DATA for	53.20 keV		-6.55E+001	2.80E+002	5.12E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.26E-001	1.14E-001	2.25E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.52E+000	1.43E+000	2.67E+000
AM-241	NOT FOUND/DATA for	59.54 keV		5.37E-001	5.89E-001	1.17E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: MAC-0501-230
Sample Title: B-5 Spoils Pile #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.444E+002 g
Sample Taken On: 1/31/2005 12:00:00 PM
Acquisition Started: 1/31/2005 1:16:26 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	2.13E+001	9.53E+000	1.47E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.19E-002	7.80E-002	1.63E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-5.60E-002	7.45E-002	1.14E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.09E-002	1.02E-001	1.53E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-5.44E-002	2.06E-001	3.40E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.11E-001	8.01E-002	1.03E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.26E-001	2.21E-001	4.60E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.77E-002	7.13E-002	1.15E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-5.52E-002	9.60E-002	1.64E-001
TL-208	2.78E-001	1.00E-001	1.48E-001	FOUND		
PB-212	1.22E+000	3.42E-001	3.44E-001	FOUND		
BI-214	6.34E-001	2.18E-001	3.17E-001	FOUND		
PB-214	5.98E-001	2.04E-001	3.80E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.73E+000	1.89E+000	3.72E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.22E-001	4.93E-001	1.07E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.70E+000	3.22E+001	5.78E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.30E+000	2.59E+000	4.75E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.53E-001	2.96E-001	4.66E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.05E+001	1.50E+001	3.26E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.42E-001	1.38E+000	2.46E+000
U-234	NOT FOUND/DATA for	53.20 keV		4.71E+001	2.47E+002	4.73E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.09E-001	1.15E-001	2.20E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.42E-001	1.38E+000	2.46E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.07E-001	5.02E-001	9.49E-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 0502 001
Sample Title: B-5 Spoils Pile S/W end high bay ventlin
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.455E+002 g
Sample Taken On: 2/1/2005 12:00:00 PM
Acquisition Started: 2/9/2005 10:11:34 AM
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	2.37E+001	8.18E+000	1.75E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.91E-002	5.78E-002	1.35E-001
CO-57	NOT FOUND/DATA for 122.06 keV			4.03E-002	7.74E-002	1.37E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			1.74E-002	9.60E-002	1.94E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.86E-002	1.78E-001	3.31E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			9.29E-003	8.41E-002	1.64E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.05E-002	2.10E-001	3.91E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.95E-002	1.01E-001	1.30E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.39E-002	9.45E-002	1.92E-001
TL-208	4.00E-001	2.67E+000	1.77E-001	FOUND		
PB-212	1.14E+000	2.16E-001	3.91E-001	FOUND		
BI-214	1.10E+000	8.36E-001	3.69E-001	FOUND		
PB-214	9.19E-001	1.75E-001	4.00E-001	FOUND		
RA-226	3.78E+000	2.84E+000	3.68E+000	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			-4.41E-002	1.97E-001	1.07E+000
TH-230	NOT FOUND/DATA for 67.67 keV			8.86E+000	3.45E+001	6.34E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.11E+000	3.04E+000	5.36E+000
PA-234	NOT FOUND/DATA for 98.44 keV			2.13E-001	2.85E-001	5.11E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-3.53E+000	1.58E+001	2.94E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.45E+000	1.49E+000	2.71E+000
U-234	NOT FOUND/DATA for 53.20 keV			6.83E+001	3.25E+002	5.74E+002
U-235	2.30E-001	1.73E-001	2.24E-001	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			1.45E+000	1.49E+000	2.71E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-4.61E-001	5.47E-001	9.00E-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 0502 002
Sample Title: B-5 Spoils Pile S/W end high bay ventlin
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.492E+002 g
Sample Taken On: 2/1/2005 12:00:00 PM
Acquisition Started: 2/2/2005 8:02:02 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	2.45E+001	8.15E+000	2.12E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.24E-003	6.57E-002	1.32E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.62E-003	6.94E-002	1.19E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-5.50E-002	9.01E-002	1.64E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.07E-001	2.54E-001	3.22E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-1.05E-001	8.94E-002	1.29E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.17E-001	1.80E-001	3.10E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-1.17E-001	1.18E-001	1.32E-001
CS-137	NOT FOUND/DATA for	661.66 keV		6.55E-002	8.59E-002	1.82E-001
TL-208	3.83E-001	1.05E-001	1.51E-001	FOUND		
PB-212	1.12E+000	1.83E-001	2.59E-001	FOUND		
BI-214	8.30E-001	9.13E-001	3.49E-001	FOUND		
PB-214	5.94E-001	2.86E-001	3.98E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.76E+000	1.82E+000	3.49E+000
AC-228	1.01E+000	3.36E-001	6.32E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.14E+001	3.15E+001	5.57E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-4.23E-001	2.85E+000	4.83E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.62E-001	3.03E-001	4.84E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		9.98E+000	1.45E+001	3.14E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.07E-002	1.35E+000	2.32E+000
U-234	NOT FOUND/DATA for	53.20 keV		-7.71E+001	2.63E+002	4.70E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.17E-002	1.10E-001	2.07E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.07E-002	1.35E+000	2.32E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.53E-001	4.76E-001	8.17E-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-0502-065
Sample Title: B-5 E. H/W trench #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.783E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 2/28/2005 2:12:31 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	2.56E+001	3.43E+000	2.55E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-4.30E-002	8.17E-002	1.39E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.96E-003	7.14E-002	1.23E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		7.08E-002	8.99E-002	1.99E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.02E-001	1.73E-001	2.93E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		3.01E-002	7.32E-002	1.49E-001
SB-125	NOT FOUND/DATA for	427.89 keV		7.67E-002	1.97E-001	3.89E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.48E-002	7.24E-002	1.27E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-3.38E-002	9.46E-002	1.67E-001
TL-208	2.92E-001	9.76E-002	1.70E-001	FOUND		
PB-212	7.70E-001	1.60E-001	2.92E-001	FOUND		
BI-214	6.03E-001	2.12E-001	3.48E-001	FOUND		
PB-214	9.23E-001	7.40E-001	4.41E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.90E+000	1.79E+000	3.46E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.71E-001	4.37E-001	9.59E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-1.12E+000	3.08E+001	5.47E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.95E+000	2.82E+000	5.08E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.10E-001	2.94E-001	4.72E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.52E+000	1.29E+001	1.86E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-1.12E+000	1.38E+000	2.18E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.20E+002	2.52E+002	4.98E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.14E-002	1.09E-001	1.99E-001
U-238	NOT FOUND/DATA for	92.60 keV		-1.12E+000	1.38E+000	2.18E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.29E-002	4.53E-001	8.50E-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-0502-066
Sample Title: B-5 E. H/W trench #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.568E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 2/28/2005 2:56:22 PM
Live Time: 900.0 seconds
Real Time: 901.6 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	2.30E+001	8.72E+000	1.84E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.55E-002	8.77E-002	1.75E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.90E-002	8.03E-002	1.30E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			4.37E-002	9.04E-002	1.91E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			5.02E-002	1.66E-001	3.50E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.34E-002	6.08E-002	1.25E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.67E-002	2.22E-001	4.15E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.22E-002	8.11E-002	1.27E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.21E-002	8.66E-002	1.71E-001
TL-208	3.73E-001	3.63E-001	1.69E-001	FOUND		
PB-212	1.13E+000	1.95E-001	3.80E-001	FOUND		
BI-214	6.56E-001	8.79E-001	3.02E-001	FOUND		
PB-214	6.51E-001	1.69E-001	3.72E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.27E+000	1.81E+000	3.41E+000
AC-228	NOT FOUND/DATA for 338.32 keV			6.02E-001	6.72E-001	1.27E+000
TH-230	NOT FOUND/DATA for 67.67 keV			8.03E+000	3.25E+001	6.03E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.08E-001	2.95E+000	5.12E+000
PA-234	NOT FOUND/DATA for 98.44 keV			9.30E-002	3.03E-001	5.29E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-4.79E+000	1.55E+001	2.66E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.73E+000	1.50E+000	2.76E+000
U-234	NOT FOUND/DATA for 53.20 keV			-7.59E+001	2.55E+002	4.58E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.16E-002	1.11E-001	2.10E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.73E+000	1.50E+000	2.76E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-5.92E-002	5.09E-001	9.22E-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-0502-067
Sample Title: B-5 E. H/W trench #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.832E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 2/28/2005 3:23:34 PM
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	2.64E+001	9.48E+000	1.47E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.07E-002	7.50E-002	1.45E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-7.19E-002	8.04E-002	1.26E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.41E-003	7.86E-002	1.37E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.89E-001	2.20E-001	3.14E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.18E-002	8.77E-002	1.50E-001
SB-125	NOT FOUND/DATA for	427.89 keV		8.36E-002	2.17E-001	4.34E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.66E-002	8.84E-002	1.40E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.64E-002	1.09E-001	2.09E-001
TL-208	3.43E-001	3.98E-001	1.73E-001	FOUND		
PB-212	1.10E+000	2.03E-001	4.67E-001	FOUND		
BI-214	8.02E-001	2.36E-001	3.78E-001	FOUND		
PB-214	8.48E-001	1.95E-001	3.56E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.71E+000	1.80E+000	3.64E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.47E-001	5.00E-001	1.08E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.03E+001	3.50E+001	6.55E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.13E+000	3.19E+000	5.73E+000
PA-234	NOT FOUND/DATA for	98.44 keV		9.02E-002	3.26E-001	5.66E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.76E+000	1.64E+001	2.49E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.34E-001	1.71E+000	2.92E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.79E+001	2.71E+002	5.08E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.99E-002	1.10E-001	2.07E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.34E-001	1.71E+000	2.92E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.00E-001	5.24E-001	1.03E+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-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

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	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

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0502-069
Sample Title: B-5 E. H/W trench #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.026E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 2/28/2005 4:08:36 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	2.46E+001	3.42E+000	2.13E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.64E-003	9.45E-002	1.67E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.01E-002	7.94E-002	1.32E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		8.24E-003	9.54E-002	1.96E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.04E-002	1.80E-001	3.43E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.24E-002	8.77E-002	1.46E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.42E-001	2.40E-001	4.72E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-9.00E-002	1.05E-001	1.65E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.88E-002	1.10E-001	2.25E-001
TL-208	3.94E-001	1.21E-001	2.01E-001	FOUND		
PB-212	1.24E+000	3.87E-001	4.12E-001	FOUND		
BI-214	9.45E-001	7.56E-001	4.09E-001	FOUND		
PB-214	9.05E-001	1.89E-001	3.25E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.03E+000	2.10E+000	4.00E+000
AC-228	1.60E+000	4.86E-001	6.21E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		8.13E+000	3.36E+001	6.19E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.73E+000	3.05E+000	5.46E+000
PA-234	NOT FOUND/DATA for	98.44 keV		6.20E-002	3.24E-001	5.62E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.15E-001	1.85E+001	3.46E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.69E-001	1.59E+000	2.75E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.41E+002	2.95E+002	5.16E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.44E-002	1.28E-001	2.38E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.69E-001	1.59E+000	2.75E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.75E-001	5.28E-001	9.00E-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-0502-71
Sample Title:	B5-FSS #1 E. Trench
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.405E+002 g
Sample Taken On:	4/1/2004 12:00:00 PM
Acquisition Started:	3/1/2005 7:21:04 AM
Live Time:	900.0 seconds
Real Time:	901.5 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	2.09E+001	8.23E+000	2.84E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.01E-001	1.81E-001	3.66E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.60E-001	1.66E-001	2.57E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.11E-001	9.68E-002	2.40E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.05E-001	5.63E-001	8.40E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-8.15E-002	2.26E-001	4.07E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.38E-001	2.91E-001	4.71E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.14E-001	1.16E-001	1.82E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.70E-003	9.56E-002	1.69E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.76E-001	1.28E-001	2.78E-001
PB-212	1.01E+000	2.02E-001	3.14E-001	FOUND		
BI-214	8.21E-001	6.70E-001	3.73E-001	FOUND		
PB-214	9.65E-001	2.24E-001	3.36E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.74E+000	1.94E+000	3.70E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.26E+000	5.10E-001	1.17E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.23E+001	3.02E+001	5.75E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.22E+000	2.99E+000	5.29E+000
PA-234	NOT FOUND/DATA for	98.44 keV		8.62E-002	2.70E-001	4.77E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.72E+000	1.42E+001	3.07E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.35E+000	1.43E+000	2.62E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.70E+001	2.99E+002	5.60E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.26E-001	1.18E-001	2.26E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.35E+000	1.43E+000	2.62E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.91E-003	5.20E-001	9.55E-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-0502-72
Sample Title: B5-FSS #2 E. Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.253E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 7:57:41 AM
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	2.44E+001	1.11E+001	1.85E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.63E-002	9.01E-002	1.88E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.97E-002	8.76E-002	1.33E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		5.56E-002	1.01E-001	2.31E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.13E-001	2.32E-001	3.66E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-9.02E-002	8.36E-002	1.23E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-7.32E-002	2.33E-001	4.21E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.74E-002	9.24E-002	1.63E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.39E-002	1.21E-001	2.34E-001
TL-208	3.01E-001	4.30E-001	2.02E-001	FOUND		
PB-212	7.30E-001	1.97E-001	3.74E-001	FOUND		
BI-214	6.99E-001	6.60E-002	4.02E-001	FOUND		
PB-214	5.36E-001	2.98E-001	4.21E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		8.18E-001	2.02E+000	3.78E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.63E-002	2.39E-001	1.24E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.51E+000	3.61E+001	6.52E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.11E+000	2.93E+000	5.28E+000
PA-234	NOT FOUND/DATA for	131.20 keV		4.39E-002	3.40E-001	5.88E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.21E-001	1.77E+001	3.36E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-1.28E-001	1.55E+000	2.63E+000
U-234	NOT FOUND/DATA for	53.20 keV		-5.98E+001	3.12E+002	5.72E+002
U-235	NOT FOUND/DATA for	185.71 keV		7.61E-002	1.23E-001	2.33E-001
U-238	NOT FOUND/DATA for	92.60 keV		-1.28E-001	1.55E+000	2.63E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.44E-002	5.95E-001	1.10E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0502-73
Sample Title: B5-FSS #3 E. Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.486E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 8:17:18 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	2.41E+001	8.98E+000	2.28E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-2.38E-003	7.05E-002	1.39E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.15E-002	7.28E-002	1.26E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-2.75E-002	9.61E-002	1.77E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.41E-001	2.09E-001	2.67E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-8.15E-002	8.26E-002	1.29E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-4.49E-002	1.98E-001	3.61E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.20E-002	8.44E-002	1.48E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.38E-002	9.74E-002	1.91E-001
TL-208	2.34E-001	1.02E-001	2.00E-001	FOUND		
PB-212	1.57E+000	4.63E-001	3.18E-001	FOUND		
BI-214	6.26E-001	9.47E-001	3.66E-001	FOUND		
PB-214	4.91E-001	6.08E-001	3.86E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.03E+000	1.77E+000	3.58E+000
AC-228	NOT FOUND/DATA for 911.21 keV			8.17E-001	4.66E-001	1.04E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.41E+001	3.07E+001	5.92E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.96E-001	2.94E+000	5.12E+000
PA-234	NOT FOUND/DATA for 98.44 keV			8.93E-002	2.85E-001	4.93E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.56E+000	1.67E+001	3.04E+001
TH-234	NOT FOUND/DATA for 92.60 keV			6.98E-001	1.35E+000	2.40E+000
U-234	NOT FOUND/DATA for 53.20 keV			-6.40E+001	2.75E+002	4.71E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.52E-001	1.08E-001	2.14E-001
U-238	NOT FOUND/DATA for 92.60 keV			6.98E-001	1.35E+000	2.40E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.47E-001	5.29E-001	1.02E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0502-74
Sample Title: B5-FSS #4 E. Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.878E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 8:34:34 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	2.16E+001	6.84E+000	2.19E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.54E-002	6.36E-002	1.41E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.60E-002	6.28E-002	1.11E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.72E-003	7.61E-002	1.55E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		5.65E-002	1.49E-001	3.11E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.27E-002	6.74E-002	1.07E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.02E-002	1.89E-001	3.61E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.22E-002	6.53E-002	1.01E-001
CS-137	NOT FOUND/DATA for	661.66 keV		6.17E-002	8.11E-002	1.68E-001
TL-208	2.66E-001	3.04E-001	1.35E-001	FOUND		
PB-212	7.90E-001	2.95E-001	3.56E-001	FOUND		
BI-214	7.91E-001	2.01E-001	2.64E-001	FOUND		
PB-214	6.79E-001	1.88E-001	2.80E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.57E+000	1.52E+000	2.94E+000
AC-228	9.89E-001	2.78E-001	5.04E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.47E+001	2.48E+001	4.32E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.22E+000	2.79E+000	4.92E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-9.15E-003	2.63E-001	4.45E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-5.67E-001	1.05E+001	1.92E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.06E+000	1.28E+000	2.31E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.32E+002	2.43E+002	4.03E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.36E-002	9.28E-002	1.75E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.06E+000	1.28E+000	2.31E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.62E-002	4.18E-001	7.66E-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-0502-75
Sample Title: B5-FSS #5 E. H/W Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.739E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 9:19:35 AM
Live Time: 900.0 seconds
Real Time: 901.5 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	2.15E+001	7.83E+000	1.65E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.69E-002	7.45E-002	1.62E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.57E-003	6.98E-002	1.17E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.12E-002	6.42E-002	1.35E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.30E-001	2.19E-001	3.28E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.17E-002	7.85E-002	1.23E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-6.19E-002	1.93E-001	3.40E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-8.92E-002	6.96E-002	1.01E-001
CS-137	NOT FOUND/DATA for	661.66 keV		6.71E-002	1.09E-001	2.04E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.02E-001	1.13E-001	2.42E-001
PB-212	8.50E-001	4.93E-001	4.47E-001	FOUND		
BI-214	7.22E-001	7.53E-001	3.43E-001	FOUND		
PB-214	6.53E-001	2.13E-001	4.28E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.20E+000	1.65E+000	3.27E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.84E-001	1.61E+000	6.29E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-1.84E+001	2.87E+001	4.96E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.52E+000	2.59E+000	4.68E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.30E-001	3.20E-001	4.51E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-5.55E+000	1.45E+001	2.60E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.23E-001	1.40E+000	2.48E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.50E+001	2.52E+002	4.75E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.27E-001	1.01E-001	1.99E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.23E-001	1.40E+000	2.48E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.25E-001	4.82E-001	9.13E-001

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: MAC-0502-76
Sample Title: B5- #6 E. H/W Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.721E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 9:36:05 AM
Live Time: 900.0 seconds
Real Time: 901.5 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	2.67E+001	8.47E+000	1.90E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.92E-002	7.59E-002	1.57E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.61E-002	7.29E-002	1.27E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.82E-002	8.41E-002	1.87E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.07E-001	1.85E-001	2.59E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.21E-002	7.84E-002	1.47E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.22E-001	1.97E-001	4.00E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.39E-002	7.85E-002	1.32E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.13E-002	8.64E-002	1.77E-001
TL-208	3.65E-001	1.12E-001	1.87E-001	FOUND		
PB-212	9.01E-001	1.74E-001	3.80E-001	FOUND		
BI-214	1.21E+000	5.79E-001	3.44E-001	FOUND		
PB-214	5.84E-001	2.58E-001	3.75E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.30E+000	1.79E+000	3.51E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.07E+000	4.56E-001	1.05E+000
TH-230	NOT FOUND/DATA for	67.67 keV		4.14E+000	2.84E+001	5.34E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.46E+000	2.85E+000	5.12E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-7.26E-002	2.82E-001	4.70E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.13E+000	1.16E+001	2.05E+001
TH-234	NOT FOUND/DATA for	92.60 keV		9.10E-001	1.40E+000	2.50E+000
U-234	NOT FOUND/DATA for	53.20 keV		-6.00E+001	2.66E+002	4.83E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.83E-002	1.09E-001	2.05E-001
U-238	NOT FOUND/DATA for	92.60 keV		9.10E-001	1.40E+000	2.50E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.01E-002	4.87E-001	8.80E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0502-77
Sample Title: B5- #7 E. H/W Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.114E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 9:56:28 AM
Live Time: 900.0 seconds
Real Time: 901.5 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	8.48E+000	1.57E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-3.97E-003	8.69E-002	1.65E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.55E-002	7.35E-002	1.21E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.04E-002	1.01E-001	2.13E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.12E-001	2.52E-001	3.88E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-5.68E-002	1.04E-001	1.59E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-5.23E-002	2.23E-001	4.08E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.25E-002	8.15E-002	1.15E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.02E-001	9.14E-002	2.01E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.14E-001	1.45E-001	3.06E-001
PB-212	9.82E-001	3.57E-001	4.30E-001	FOUND		
BI-214	8.27E-001	2.31E-001	3.50E-001	FOUND		
PB-214	7.54E-001	2.10E-001	4.53E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.64E+000	1.84E+000	3.54E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.09E+000	5.17E-001	1.17E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-7.43E+000	3.40E+001	6.05E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.92E+000	3.08E+000	5.56E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.35E-001	3.02E-001	4.92E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-9.23E+000	1.59E+001	2.69E+001
TH-234	1.74E+000	9.71E-001	2.32E+000	FOUND		
U-234	NOT FOUND/DATA for 53.20 keV			-3.40E+001	2.70E+002	4.95E+002
U-235	NOT FOUND/DATA for 185.71 keV			7.64E-002	1.11E-001	2.11E-001
U-238	1.74E+000	9.70E-001	2.32E+000	FOUND		
AM-241	NOT FOUND/DATA for 59.54 keV			-5.26E-002	5.14E-001	9.43E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0502-78
Sample Title: B5- #8 E. H/W Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.971E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 10:20:45 AM
Live Time: 900.0 seconds
Real Time: 901.5 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	2.01E+001	8.45E+000	1.69E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.58E-002	6.82E-002	1.47E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.45E-002	6.73E-002	1.19E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		5.75E-003	8.76E-002	1.73E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.93E-002	1.87E-001	2.87E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-8.91E-002	6.82E-002	9.66E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-1.22E-001	2.15E-001	3.72E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.49E-003	8.34E-002	1.55E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.01E-001	8.17E-002	1.83E-001
TL-208	2.57E-001	6.59E-001	1.78E-001	FOUND		
PB-212	7.94E-001	1.74E-001	3.07E-001	FOUND		
BI-214	5.80E-001	2.01E-001	3.48E-001	FOUND		
PB-214	6.13E-001	1.97E-001	3.25E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		5.76E-001	1.63E+000	2.99E+000
AC-228	1.15E+000	3.96E-001	5.71E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-2.53E+001	2.94E+001	4.94E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.91E+000	2.86E+000	5.06E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.28E-001	2.98E-001	4.85E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.35E+000	1.28E+001	2.28E+001
TH-234	NOT FOUND/DATA for	92.60 keV		9.82E-001	1.31E+000	2.37E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.51E+002	2.57E+002	4.35E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.30E-002	9.67E-002	1.84E-001
U-238	NOT FOUND/DATA for	92.60 keV		9.82E-001	1.31E+000	2.37E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.49E-001	4.74E-001	7.93E-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-0502-79
Sample Title: B5- #9 E. H/W Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.780E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 10:38:45 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	1.17E+001	2.79E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.01E-002	8.18E-002	1.73E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.60E-002	7.76E-002	1.40E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-3.91E-002	8.93E-002	1.54E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.49E-001	3.08E-001	4.66E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		3.93E-002	8.59E-002	1.76E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.24E-001	2.19E-001	4.46E-001
CS-134	NOT FOUND/DATA for	604.70 keV		6.71E-003	7.17E-002	1.42E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-8.12E-003	8.99E-002	1.69E-001
TL-208	2.89E-001	3.92E-001	1.52E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		1.01E+000	2.47E-001	5.12E-001
BI-214	5.61E-001	6.28E-001	3.09E-001	FOUND		
PB-214	8.42E-001	1.67E-001	3.43E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.74E+000	2.01E+000	3.90E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.59E-001	5.39E-001	1.17E+000
TH-230	NOT FOUND/DATA for	67.67 keV		8.65E+000	3.23E+001	6.08E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.88E+000	2.77E+000	5.08E+000
PA-234	NOT FOUND/DATA for	98.44 keV		8.58E-003	3.32E-001	5.66E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.19E+001	1.54E+001	2.34E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.80E-001	1.57E+000	2.77E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.24E+002	2.89E+002	5.50E+002
U-235	NOT FOUND/DATA for	185.71 keV		7.49E-002	1.19E-001	2.24E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.80E-001	1.57E+000	2.77E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.36E-002	5.65E-001	1.03E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0502-080
Sample Title: B5- #10 E. H/W Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.475E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 10:57:57 AM
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	2.25E+001	1.05E+001	2.21E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.10E-002	8.89E-002	1.73E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.94E-002	7.19E-002	1.18E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		6.86E-002	9.39E-002	2.11E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-8.91E-002	2.25E-001	3.70E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.55E-002	7.13E-002	1.27E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.30E-001	2.11E-001	4.29E-001
CS-134	NOT FOUND/DATA for	604.70 keV		2.98E-002	8.77E-002	1.71E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.94E-002	1.01E-001	1.91E-001
TL-208	3.73E-001	3.06E-001	1.75E-001	FOUND		
PB-212	9.34E-001	4.35E-001	3.64E-001	FOUND		
BI-214	7.83E-001	6.89E-001	3.78E-001	FOUND		
PB-214	9.64E-001	2.29E-001	3.91E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.78E+000	1.84E+000	3.52E+000
AC-228	9.58E-001	9.39E-002	5.51E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		8.19E+000	3.28E+001	6.10E+001
PA-231	NOT FOUND/DATA for	300.02 keV		8.55E-001	2.89E+000	5.18E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.68E-001	3.21E-001	4.81E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.60E+000	1.23E+001	2.81E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.30E-001	1.42E+000	2.49E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.20E+002	2.75E+002	4.78E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.26E-001	1.09E-001	2.13E-001
U-238	NOT FOUND/DATA for	92.60 keV		6.30E-001	1.42E+000	2.49E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.22E-001	5.15E-001	9.68E-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-0502-081
Sample Title:	B5- #11 E. H/W Trench
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.324E+002 g
Sample Taken On:	2/28/2005 12:00:00 PM
Acquisition Started:	3/1/2005 1:13:17 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	1.85E+001	5.49E+000	2.23E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.69E-002	9.09E-002	1.54E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.10E-002	7.93E-002	1.31E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.68E-002	9.17E-002	1.88E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.51E-002	2.14E-001	3.47E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-8.46E-003	8.48E-002	1.59E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.56E-002	2.07E-001	3.96E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.09E-003	7.63E-002	1.44E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-4.39E-002	9.82E-002	1.67E-001
TL-208	2.06E-001	9.47E-002	1.69E-001	FOUND		
PB-212	8.28E-001	1.78E-001	3.76E-001	FOUND		
BI-214	7.11E-001	2.18E-001	3.10E-001	FOUND		
PB-214	7.30E-001	2.18E-001	3.49E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.94E+000	1.88E+000	3.61E+000
AC-228	9.69E-001	2.06E-001	5.29E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.25E+001	3.28E+001	6.11E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.24E+000	2.90E+000	5.18E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-4.66E-002	2.90E-001	4.70E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.77E+000	1.40E+001	2.48E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.19E+000	1.44E+000	2.61E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.75E+002	2.85E+002	5.54E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.33E-001	1.18E-001	2.26E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.19E+000	1.44E+000	2.61E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.72E-001	5.34E-001	9.16E-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-0502-082
Sample Title: B5- #12 E. H/W Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.756E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 1:46:40 PM
Live Time: 900.0 seconds
Real Time: 901.5 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	2.45E+001	8.69E+000	2.14E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.14E-002	7.83E-002	1.62E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.63E-002	7.41E-002	1.30E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			4.41E-002	8.87E-002	1.95E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.82E-002	2.30E-001	4.07E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.62E-002	7.38E-002	1.28E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-3.88E-002	2.01E-001	3.66E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.18E-002	7.23E-002	1.15E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.94E-002	8.51E-002	1.72E-001
TL-208	4.10E-001	1.17E-001	1.88E-001	FOUND		
PB-212	1.37E+000	3.59E-001	4.26E-001	FOUND		
BI-214	1.16E+000	5.04E-001	3.59E-001	FOUND		
PB-214	6.96E-001	2.78E-001	3.60E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			9.49E-001	1.71E+000	3.22E+000
AC-228	9.71E-001	3.94E-001	5.76E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			4.53E+000	3.10E+001	5.72E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-2.98E-002	2.30E+000	4.07E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.35E-001	3.14E-001	4.97E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.04E+000	1.36E+001	2.71E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.23E+000	1.35E+000	2.48E+000
U-234	NOT FOUND/DATA for 53.20 keV			-3.49E+001	2.73E+002	4.93E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.07E-002	1.01E-001	1.85E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.23E+000	1.35E+000	2.48E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-8.81E-002	5.14E-001	9.33E-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-0502-083
Sample Title: B5- #13 E. H/W Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.675E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 2:21:16 PM
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	2.34E+001	8.76E+000	2.12E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.47E-002	7.03E-002	1.53E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.50E-003	6.77E-002	1.16E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		4.67E-002	9.55E-002	2.02E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.65E-001	2.83E-001	3.46E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.15E-002	7.10E-002	1.24E-001
SB-125	NOT FOUND/DATA for	427.89 keV		9.11E-002	2.11E-001	4.10E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.30E-002	8.09E-002	1.44E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-2.75E-002	8.25E-002	1.49E-001
TL-208	3.22E-001	3.86E-001	1.83E-001	FOUND		
PB-212	9.31E-001	1.94E-001	3.54E-001	FOUND		
BI-214	9.85E-001	2.35E-001	3.36E-001	FOUND		
PB-214	7.58E-001	2.74E-001	4.05E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		4.15E-001	1.71E+000	3.15E+000
AC-228	NOT FOUND/DATA for	911.21 keV		4.17E-001	4.41E-001	9.19E-001
TH-230	NOT FOUND/DATA for	67.67 keV		3.03E+000	2.93E+001	5.43E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.54E+000	3.02E+000	5.40E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.18E-001	2.75E-001	4.92E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.01E+001	1.64E+001	2.74E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.67E+000	1.33E+000	2.49E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.39E+002	2.68E+002	5.17E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.68E-002	1.04E-001	1.95E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.67E+000	1.33E+000	2.49E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.36E-001	4.48E-001	7.85E-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-0502-084
Sample Title: B5- #14 E. H/W Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.539E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 3:12:00 PM
Live Time: 900.0 seconds
Real Time: 901.5 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	2.42E+001	3.27E+000	1.78E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.24E-002	8.20E-002	1.56E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.10E-003	7.51E-002	1.27E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-5.62E-003	8.54E-002	1.68E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.62E-002	1.93E-001	3.67E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-7.60E-002	9.81E-002	1.68E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.91E-002	1.66E-001	3.29E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.33E-002	9.06E-002	1.43E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.65E-002	9.84E-002	1.81E-001
TL-208	3.37E-001	1.10E-001	1.38E-001	FOUND		
PB-212	1.03E+000	3.98E-001	4.32E-001	FOUND		
BI-214	8.11E-001	7.04E-001	3.20E-001	FOUND		
PB-214	7.70E-001	6.84E-002	3.82E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		4.48E+000	1.83E+000	3.83E+000
AC-228	NOT FOUND/DATA for	911.21 keV		-9.54E-002	2.37E-001	1.07E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.09E+001	2.82E+001	5.02E+001
PA-231	NOT FOUND/DATA for	300.02 keV		5.29E-001	2.65E+000	4.75E+000
PA-234	NOT FOUND/DATA for	98.44 keV		9.83E-002	2.96E-001	5.20E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.81E+000	1.09E+001	2.54E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-1.06E+000	1.44E+000	2.29E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.32E+001	2.63E+002	4.88E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.69E-002	1.10E-001	2.11E-001
U-238	NOT FOUND/DATA for	92.60 keV		-1.06E+000	1.44E+000	2.29E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.17E-001	5.53E-001	1.02E+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-0502-085
Sample Title: B5- #15 E. H/W Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.512E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 3:36:30 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	2.32E+001	3.17E+000	1.66E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.78E-002	7.87E-002	1.56E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.62E-002	7.24E-002	1.19E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			1.09E-002	8.31E-002	1.68E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.00E-001	1.99E-001	2.86E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-2.66E-002	7.80E-002	1.42E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.31E-002	2.27E-001	3.95E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-6.24E-002	7.53E-002	1.24E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.41E-002	9.29E-002	1.86E-001
TL-208	2.45E-001	9.77E-002	1.70E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			9.43E-001	2.22E-001	4.63E-001
BI-214	7.09E-001	2.17E-001	3.28E-001	FOUND		
PB-214	7.25E-001	2.10E-001	3.93E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.32E+000	1.71E+000	3.39E+000
AC-228	9.74E-001	3.07E-001	6.90E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			-3.80E+000	3.04E+001	5.43E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.61E+000	2.67E+000	4.88E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.53E-001	3.46E-001	4.81E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			7.91E+000	1.43E+001	3.03E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.05E-001	1.30E+000	2.21E+000
U-234	NOT FOUND/DATA for 53.20 keV			-6.89E+001	2.58E+002	4.69E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.26E-001	1.04E-001	2.05E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.05E-001	1.30E+000	2.21E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.02E-001	5.35E-001	9.40E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0502-086
Sample Title: B5- #16 E. H/W Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.774E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 4:04:10 PM
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	2.52E+001	8.19E+000	1.54E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.10E-002	8.10E-002	1.66E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.65E-002	7.27E-002	1.24E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.36E-002	1.05E-001	1.86E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.21E-001	2.20E-001	3.69E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.51E-003	7.31E-002	1.41E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.44E-001	1.80E-001	3.81E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.70E-001	9.49E-002	1.06E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-1.23E-002	9.28E-002	1.71E-001
TL-208	2.94E-001	1.30E-001	1.72E-001	FOUND		
PB-212	1.19E+000	3.40E-001	4.24E-001	FOUND		
BI-214	1.04E+000	8.25E-001	2.69E-001	FOUND		
PB-214	8.71E-001	2.97E-001	3.91E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.52E+000	1.65E+000	3.32E+000
AC-228	8.55E-001	2.52E-001	6.12E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		4.39E+000	3.11E+001	5.70E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.47E+000	2.32E+000	4.31E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.44E-001	2.96E-001	5.22E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-7.09E+000	1.43E+001	2.47E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.42E+000	1.41E+000	2.58E+000
U-234	NOT FOUND/DATA for	53.20 keV		4.47E+001	2.51E+002	4.73E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.32E-002	1.03E-001	1.88E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.42E+000	1.41E+000	2.58E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.27E-001	4.93E-001	9.52E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location:	CE Windsor
Sample ID:	MAC-0502-087
Sample Title:	B5- #17 E. H/W Trench
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.632E+002 g
Sample Taken On:	2/28/2005 12:00:00 PM
Acquisition Started:	3/1/2005 4:28:35 PM
Live Time:	900.0 seconds
Real Time:	901.5 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	2.55E+001	9.83E+000	2.03E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-9.85E-002	8.40E-002	1.15E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.89E-003	7.77E-002	1.27E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		6.79E-002	9.58E-002	2.10E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.25E-001	2.15E-001	3.00E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.37E-002	8.18E-002	1.44E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.10E-001	2.20E-001	4.76E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-9.11E-002	1.01E-001	1.17E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.39E-002	7.96E-002	1.74E-001
TL-208	3.90E-001	3.30E-001	1.66E-001	FOUND		
PB-212	8.13E-001	1.73E-001	4.17E-001	FOUND		
BI-214	9.19E-001	2.28E-001	3.42E-001	FOUND		
PB-214	7.14E-001	1.76E-001	4.10E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.08E+000	1.85E+000	3.69E+000
AC-228	NOT FOUND/DATA for	911.21 keV		5.03E-001	4.18E-001	9.10E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-9.73E+000	3.16E+001	5.58E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.43E-001	2.79E+000	4.80E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-9.02E-002	3.02E-001	4.91E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-6.13E+000	8.50E+000	1.16E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.50E+000	1.39E+000	2.55E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.38E+001	2.87E+002	5.08E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.37E-001	1.12E-001	2.17E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.50E+000	1.39E+000	2.55E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.01E-001	5.34E-001	9.59E-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-0502-088
Sample Title: B5- #18 E. H/W Trench
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.782E+002 g
Sample Taken On: 2/28/2005 12:00:00 PM
Acquisition Started: 3/1/2005 4:49:01 PM
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	1.71E+001	8.84E+000	2.35E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.32E-002	7.13E-002	1.34E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.51E-002	6.60E-002	1.16E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.89E-001	1.11E-001	2.68E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.72E-001	2.05E-001	3.11E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.20E-001	8.90E-002	1.32E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.64E-001	1.98E-001	3.29E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-8.68E-002	8.53E-002	1.23E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.52E-001	1.17E-001	2.45E-001
TL-208	2.78E-001	1.82E-001	1.53E-001	FOUND		
PB-212	7.34E-001	1.63E-001	4.25E-001	FOUND		
BI-214	7.96E-001	2.19E-001	3.20E-001	FOUND		
PB-214	1.05E+000	3.06E-001	3.70E-001	FOUND		
RA-226	8.66E+000	7.86E+000	4.82E+000	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			1.21E+000	4.89E-001	1.11E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.66E+001	3.11E+001	5.97E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.06E+000	2.89E+000	5.13E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-8.37E-002	3.10E-001	4.97E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-5.85E+000	1.36E+001	2.33E+001
TH-234	2.33E+000	1.10E+000	2.90E+000	FOUND		
U-234	NOT FOUND/DATA for 53.20 keV			1.09E+002	2.84E+002	5.39E+002
U-235	5.27E-001	4.79E-001	2.93E-001	FOUND		
U-238	2.33E+000	1.09E+000	2.90E+000	FOUND		
AM-241	NOT FOUND/DATA for 59.54 keV			7.32E-002	5.52E-001	1.02E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location:	CE Windsor
Sample ID:	MAC-0503-05
Sample Title:	Spoils Pile #2
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.885E+002 g
Sample Taken On:	3/10/2005 12:59:00 PM
Acquisition Started:	3/15/2005 7:18:02 AM
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	2.13E+001	5.54E+000	1.35E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-6.99E-003	4.75E-002	8.27E-002
CO-57	NOT FOUND/DATA for	122.06 keV		1.92E-002	5.13E-002	8.75E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		2.02E-002	4.93E-002	1.04E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.03E-001	1.35E-001	2.19E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-7.01E-002	5.54E-002	7.04E-002
SB-125	NOT FOUND/DATA for	427.89 keV		3.03E-002	1.39E-001	2.58E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.79E-002	5.83E-002	9.73E-002
CS-137	NOT FOUND/DATA for	661.66 keV		2.84E-002	5.93E-002	1.15E-001
TL-208	3.51E-001	7.74E-002	1.23E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		8.84E-001	1.60E-001	3.12E-001
BI-214	8.36E-001	1.64E-001	2.57E-001	FOUND		
PB-214	6.74E-001	1.90E-001	2.15E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.17E+000	1.14E+000	2.14E+000
AC-228	6.50E-001	3.35E-001	4.86E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.21E+000	2.16E+001	3.89E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-2.56E-002	1.90E+000	3.24E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.34E-001	2.25E-001	3.29E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.10E+000	9.39E+000	1.88E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.47E-001	9.47E-001	1.62E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.27E+002	1.91E+002	3.55E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.69E-002	6.89E-002	1.27E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.47E-001	9.46E-001	1.62E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.02E-001	3.32E-001	5.81E-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-0503-06
Sample Title:	Soil near 15" vertical line
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.819E+002 g
Sample Taken On:	3/10/2005 12:59:00 PM
Acquisition Started:	3/14/2005 11:21:25 AM
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	1.99E+001	5.18E+000	1.55E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.61E-002	5.23E-002	9.65E-002
CO-57	NOT FOUND/DATA for	122.06 keV		-3.27E-002	5.08E-002	8.12E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		4.95E-002	6.62E-002	1.39E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-8.10E-002	1.20E-001	2.04E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.38E-002	5.18E-002	8.81E-002
SB-125	NOT FOUND/DATA for	427.89 keV		2.95E-002	1.43E-001	2.65E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-5.84E-003	6.02E-002	9.88E-002
CS-137	NOT FOUND/DATA for	661.66 keV		7.84E-002	5.82E-002	1.22E-001
TL-208	4.15E-001	8.24E-002	1.40E-001	FOUND		
PB-212	1.48E+000	2.59E-001	2.63E-001	FOUND		
BI-214	7.93E-001	1.43E-001	2.48E-001	FOUND		
PB-214	7.06E-001	2.04E-001	2.92E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		4.43E-001	1.25E+000	2.23E+000
AC-228	1.16E+000	2.32E-001	4.40E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.70E+001	2.27E+001	4.22E+001
PA-231	NOT FOUND/DATA for	300.02 keV		9.53E-001	1.81E+000	3.15E+000
PA-234	NOT FOUND/DATA for	98.44 keV		7.08E-003	2.06E-001	3.41E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.08E-001	8.90E+000	1.69E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.93E-001	9.72E-001	1.68E+000
U-234	NOT FOUND/DATA for	53.20 keV		-5.20E+001	1.66E+002	2.95E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.17E-002	7.59E-002	1.40E-001
U-238	NOT FOUND/DATA for	92.60 keV		6.93E-001	9.72E-001	1.68E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.13E-001	3.41E-001	6.30E-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-0503-08
Sample Title: Spoils pile sample #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.219E+002 g
Sample Taken On: 3/10/2005 12:59:00 PM
Acquisition Started: 3/14/2005 1:11:37 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	2.22E+001	4.85E+000	1.21E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.27E-002	4.82E-002	8.36E-002
CO-57	NOT FOUND/DATA for	122.06 keV		1.08E-002	5.01E-002	8.44E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		1.76E-003	4.93E-002	9.96E-002
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.49E-001	1.34E-001	1.76E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.70E-002	5.34E-002	9.01E-002
SB-125	NOT FOUND/DATA for	427.89 keV		3.57E-003	1.32E-001	2.39E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.22E-002	5.36E-002	9.44E-002
CS-137	NOT FOUND/DATA for	661.66 keV		5.16E-002	6.25E-002	1.22E-001
TL-208	4.03E-001	7.70E-002	1.28E-001	FOUND		
PB-212	9.92E-001	1.26E-001	2.03E-001	FOUND		
BI-214	7.49E-001	1.53E-001	2.43E-001	FOUND		
PB-214	4.81E-001	9.37E-002	2.71E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.75E+000	1.14E+000	2.17E+000
AC-228	7.54E-001	1.95E-001	4.18E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		7.95E+000	1.96E+001	3.62E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.03E-003	2.03E+000	3.41E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.83E-001	2.09E-001	3.13E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.74E+000	1.01E+001	1.98E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.03E+000	8.99E-001	1.60E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.77E+001	1.79E+002	3.12E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.87E-002	6.94E-002	1.29E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.03E+000	8.99E-001	1.60E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-6.93E-002	3.40E-001	6.03E-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

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***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-14
Sample Title: East side trench South bottom
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.321E+002 g
Sample Taken On: 3/10/2005 12:59:00 PM
Acquisition Started: 3/15/2005 12:45:28 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	2.74E+001	2.85E+000	1.29E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-4.81E-002	5.87E-002	9.37E-002
CO-57	NOT FOUND/DATA for	122.06 keV		2.21E-002	5.80E-002	9.96E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		5.37E-002	6.59E-002	1.47E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.23E-001	1.59E-001	2.67E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.89E-003	6.46E-002	1.19E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.14E-002	1.76E-001	3.18E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.28E-002	6.03E-002	1.02E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-1.58E-002	7.81E-002	1.40E-001
TL-208	4.22E-001	4.66E-001	1.51E-001	FOUND		
PB-212	1.14E+000	1.55E-001	2.77E-001	FOUND		
BI-214	1.01E+000	1.95E-001	2.84E-001	FOUND		
PB-214	8.18E-001	1.48E-001	3.22E-001	FOUND		
RA-226	2.01E+000	1.09E+000	2.32E+000	FOUND		
AC-228	1.05E+000	3.24E-001	5.19E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		3.65E-001	2.57E+001	4.60E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.66E+000	2.60E+000	4.32E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-5.45E-002	2.47E-001	4.06E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.49E+001	1.21E+001	2.57E+001
TH-234	1.91E+000	2.44E+000	2.28E+000	FOUND		
U-234	NOT FOUND/DATA for	53.20 keV		2.57E+002	2.32E+002	4.30E+002
U-235	1.22E-001	6.64E-002	1.41E-001	FOUND		
U-238	1.91E+000	2.44E+000	2.28E+000	FOUND		
AM-241	NOT FOUND/DATA for	59.54 keV		2.54E-001	4.29E-001	8.03E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-015
Sample Title: B.5 IW E. trench bottom Center sample #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.402E+002 g
Sample Taken On: 3/10/2005 11:15:00 AM
Acquisition Started: 3/16/2005 11:29:53 AM
Live Time: 600.0 seconds
Real Time: 601.1 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	2.74E+001	4.61E+000	4.00E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-6.33E-003	1.15E-001	2.22E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.93E-002	1.02E-001	1.68E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		4.38E-002	1.27E-001	2.81E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.15E-001	2.91E-001	4.35E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-8.01E-002	1.62E-001	1.98E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.13E-001	3.14E-001	6.82E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.31E-001	1.70E-001	2.26E-001
CS-137	NOT FOUND/DATA for	661.66 keV		9.57E-002	1.42E-001	3.04E-001
TL-208	5.29E-001	5.20E-001	2.54E-001	FOUND		
PB-212	1.42E+000	7.07E-001	5.28E-001	FOUND		
BI-214	1.46E+000	9.69E-001	4.32E-001	FOUND		
PB-214	6.93E-001	9.72E-001	4.62E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.81E+000	2.82E+000	5.66E+000
AC-228	NOT FOUND/DATA for	911.21 keV		3.28E-001	6.47E-001	1.32E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.98E+001	4.43E+001	8.63E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.99E+000	3.96E+000	7.15E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.29E-001	4.36E-001	7.20E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.60E+000	1.75E+001	3.40E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.68E+000	2.09E+000	4.04E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.96E+001	3.81E+002	7.03E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.75E-001	1.68E-001	3.32E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.68E+000	2.09E+000	4.04E+000
AM-241	NOT FOUND/DATA for	59.54 keV		6.26E-001	8.11E-001	1.63E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-016
Sample Title: B.5 IW E. trench bottom north sample #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.528E+002 g
Sample Taken On: 3/10/2005 11:15:00 AM
Acquisition Started: 3/16/2005 11:44:26 AM
Live Time: 600.0 seconds
Real Time: 600.9 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	2.39E+001	4.22E+000	2.73E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.48E-002	1.05E-001	2.30E-001
CO-57	NOT FOUND/DATA for 122.06 keV			7.62E-002	1.10E-001	2.00E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.22E-002	9.93E-002	2.40E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.29E-001	3.02E-001	6.44E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-1.83E-002	1.19E-001	2.52E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.01E-001	3.39E-001	6.06E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.09E-001	1.09E-001	1.71E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.13E-001	1.50E-001	2.10E-001
TL-208	4.30E-001	1.60E-001	2.34E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			9.99E-001	3.22E-001	6.73E-001
BI-214	8.28E-001	3.10E-001	4.68E-001	FOUND		
PB-214	7.95E-001	2.46E-001	5.87E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.07E+000	2.52E+000	4.78E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.01E+000	6.86E-001	1.52E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.01E+001	4.47E+001	8.47E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-2.60E+000	4.08E+000	6.37E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.40E-001	4.24E-001	6.68E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.13E+001	2.07E+001	3.33E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.59E+000	2.19E+000	3.99E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.05E+002	3.80E+002	7.32E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.07E-001	1.56E-001	3.02E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.59E+000	2.19E+000	3.99E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.94E-001	6.37E-001	1.15E+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-0503-017
Sample Title: B5 IW/SS East side trench Bottom #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.155E+002 g
Sample Taken On: 3/14/2005 11:15:00 AM
Acquisition Started: 3/16/2005 12:02:35 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	2.07E+001	3.98E+000	3.93E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-4.68E-002	7.54E-002	1.22E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-6.54E-003	9.69E-002	1.65E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-1.62E-002	8.38E-002	1.69E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.80E-002	2.36E-001	4.52E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			6.27E-002	9.17E-002	2.00E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.03E-001	2.41E-001	5.36E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.20E-001	1.60E-001	1.80E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.92E-002	7.66E-002	1.80E-001
TL-208	4.13E-001	1.47E-001	2.04E-001	FOUND		
PB-212	1.22E+000	2.72E-001	3.98E-001	FOUND		
BI-214	1.02E+000	3.22E-001	5.15E-001	FOUND		
PB-214	6.31E-001	2.40E-001	4.30E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.94E+000	2.04E+000	4.27E+000
AC-228	NOT FOUND/DATA for 911.21 keV			6.22E-001	5.81E-001	1.29E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-6.67E+000	4.55E+001	8.25E+001
PA-231	NOT FOUND/DATA for 300.02 keV			5.81E-003	3.52E+000	6.28E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.17E-001	3.36E-001	6.10E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-4.94E+000	1.84E+001	3.32E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-1.27E+000	1.99E+000	3.20E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.18E+002	3.34E+002	6.80E+002
U-235	NOT FOUND/DATA for 185.71 keV			5.55E-002	1.30E-001	2.49E-001
U-238	NOT FOUND/DATA for 92.60 keV			-1.27E+000	1.99E+000	3.20E+000
AM-241	NOT FOUND/DATA for 59.54 keV			3.44E-001	6.45E-001	1.26E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-018
Sample Title: B5 IW/SS East side trench Bottom #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.083E+002 g
Sample Taken On: 3/14/2005 11:15:00 AM
Acquisition Started: 3/16/2005 12:13:34 PM
Live Time: 600.0 seconds
Real Time: 601.1 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	2.22E+001	1.37E+001	2.77E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.70E-002	1.03E-001	2.21E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.23E-002	9.98E-002	1.73E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			3.65E-002	1.17E-001	2.54E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.10E-001	2.85E-001	5.13E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-9.12E-003	9.61E-002	1.84E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-6.54E-003	2.59E-001	4.92E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.03E-002	9.97E-002	1.90E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.17E-002	1.27E-001	2.43E-001
TL-208	3.17E-001	1.36E-001	2.13E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			5.93E-001	2.66E-001	5.46E-001
BI-214	7.72E-001	6.69E+000	4.24E-001	FOUND		
PB-214	7.26E-001	2.57E-001	4.32E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.14E+000	2.17E+000	4.36E+000
AC-228	NOT FOUND/DATA for 911.21 keV			6.49E-001	5.84E-001	1.27E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.21E+001	4.11E+001	8.23E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.47E+000	3.63E+000	6.78E+000
PA-234	NOT FOUND/DATA for 98.44 keV			2.23E-002	3.78E-001	6.40E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.06E+001	1.91E+001	3.07E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.07E+000	1.94E+000	3.51E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.41E+002	3.44E+002	6.75E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.21E-001	1.39E-001	2.73E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.07E+000	1.94E+000	3.51E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.75E-001	6.97E-001	1.34E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-019
Sample Title: B5 IW/SS East side trench Bottom #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.388E+002 g
Sample Taken On: 3/14/2005 11:15:00 AM
Acquisition Started: 3/16/2005 1:27:36 PM
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	2.17E+001	1.53E+001	2.20E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.52E-002	1.07E-001	2.21E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.42E-002	8.36E-002	1.55E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-9.21E-002	1.49E-001	1.30E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.03E-001	2.22E-001	4.92E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.90E-002	1.01E-001	1.77E-001
SB-125	NOT FOUND/DATA for	427.89 keV		6.27E-002	2.64E-001	5.04E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.11E-001	1.25E-001	1.59E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-2.47E-002	1.25E-001	2.32E-001
TL-208	1.90E-001	1.17E-001	2.29E-001	FOUND		
PB-212	7.19E-001	2.21E-001	4.78E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		4.11E-001	3.02E-001	6.46E-001
PB-214	7.14E-001	3.71E-001	4.50E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.03E+000	2.02E+000	4.05E+000
AC-228	NOT FOUND/DATA for	911.21 keV		0.00E+000	0.00E+000	1.39E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.63E+001	3.78E+001	7.58E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.49E+000	3.94E+000	6.80E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.10E-003	3.46E-001	6.06E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.44E+000	1.90E+001	3.89E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.45E-001	1.82E+000	3.26E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.05E+002	3.44E+002	5.97E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.39E-001	1.20E-001	2.46E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.45E-001	1.82E+000	3.26E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.43E-001	6.20E-001	1.06E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-020
Sample Title: B5 IW/SS East side trench Bottom #4
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.132E+002 g
Sample Taken On: 3/14/2005 11:15:00 AM
Acquisition Started: 3/16/2005 1:53:54 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	2.50E+001	5.26E+000	2.96E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.24E-002	8.93E-002	1.72E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.00E-002	9.68E-002	1.65E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.02E-001	1.33E-001	1.97E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-5.62E-002	2.44E-001	4.53E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-7.53E-002	1.09E-001	1.83E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.61E-001	2.31E-001	3.90E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.36E-002	1.20E-001	2.09E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.72E-002	1.09E-001	2.41E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.83E-001	1.70E-001	3.86E-001
PB-212	NOT FOUND/DATA for	238.63 keV		7.17E-001	2.53E-001	5.40E-001
BI-214	9.79E-001	1.08E+000	4.42E-001	FOUND		
PB-214	8.34E-001	7.42E-002	5.02E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.62E+000	2.29E+000	4.62E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.16E+000	6.17E-001	1.44E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.90E+000	3.64E+001	6.93E+001
PA-231	NOT FOUND/DATA for	300.02 keV		9.71E-002	3.79E+000	6.74E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-3.25E-001	3.63E-001	5.42E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-5.53E+000	1.77E+001	3.33E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-2.40E-002	1.80E+000	3.12E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.02E+002	3.73E+002	6.45E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.91E-001	1.37E-001	2.81E-001
U-238	NOT FOUND/DATA for	92.60 keV		-2.40E-002	1.80E+000	3.12E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.50E-001	7.03E-001	1.35E+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-0503-021
Sample Title: B5 IW/SS Trench Spoils Pile #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.705E+002 g
Sample Taken On: 3/14/2005 11:15:00 AM
Acquisition Started: 3/16/2005 2:19:24 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	1.99E+001	1.25E+001	3.27E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-7.94E-002	1.06E-001	1.72E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.91E-002	8.01E-002	1.33E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.07E-002	7.74E-002	1.82E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.09E-001	3.10E-001	5.79E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.20E-002	9.11E-002	1.60E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.42E-002	2.45E-001	4.68E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.41E-002	7.79E-002	1.44E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.29E-002	1.03E-001	2.15E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.63E-001	1.47E-001	3.46E-001
PB-212	8.38E-001	2.24E-001	3.70E-001	FOUND		
BI-214	5.62E-001	2.62E-001	4.20E-001	FOUND		
PB-214	1.09E+000	2.87E-001	4.31E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.28E+000	2.24E+000	4.42E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.00E-001	5.68E-001	1.24E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.44E+001	3.55E+001	6.06E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.25E+000	3.35E+000	6.14E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.64E-001	3.66E-001	5.96E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.30E+001	2.00E+001	4.43E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-2.39E-002	1.69E+000	2.91E+000
U-234	NOT FOUND/DATA for	53.20 keV		6.08E+000	2.76E+002	5.32E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.57E-001	1.36E-001	2.71E-001
U-238	NOT FOUND/DATA for	92.60 keV		-2.39E-002	1.69E+000	2.91E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.84E-001	6.31E-001	1.21E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-022
Sample Title: B5 IW/SS Trench Spoils Pile #6
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.189E+002 g
Sample Taken On: 3/14/2005 11:15:00 AM
Acquisition Started: 3/16/2005 2:33:12 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	2.80E+001	1.66E+001	2.99E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-6.52E-002	8.80E-002	1.40E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.67E-002	9.01E-002	1.59E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.63E-002	9.21E-002	2.18E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-5.58E-002	2.90E-001	5.06E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	2.08E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.92E-001	2.70E-001	4.09E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-8.86E-002	1.02E-001	1.35E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.24E-001	1.19E-001	2.71E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.62E-001	1.83E-001	3.99E-001
PB-212	NOT FOUND/DATA for 238.63 keV			1.02E+000	2.90E-001	6.16E-001
BI-214	9.74E-001	8.72E-001	4.65E-001	FOUND		
PB-214	1.07E+000	3.97E-001	4.09E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			4.22E+000	2.06E+000	4.50E+000
AC-228	NOT FOUND/DATA for 911.21 keV			8.00E-001	6.45E-001	1.40E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.71E+001	3.51E+001	6.23E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.27E+000	3.92E+000	7.18E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.54E-001	3.64E-001	6.61E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.84E+000	1.99E+001	4.00E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.05E+000	1.71E+000	3.15E+000
U-234	NOT FOUND/DATA for 53.20 keV			9.07E+001	3.34E+002	6.52E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.30E-001	1.28E-001	2.58E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.05E+000	1.71E+000	3.15E+000
AM-241	NOT FOUND/DATA for 59.54 keV			3.64E-001	7.67E-001	1.42E+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-0503-24
Sample Title: IW trench East trench bottom
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.743E+002 g
Sample Taken On: 3/15/2005 11:15:00 AM
Acquisition Started: 3/16/2005 9:29:52 AM
Live Time: 1200.0 seconds
Real Time: 1202.1 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	2.10E+001	3.79E+000	1.59E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.70E-002	6.93E-002	1.42E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.22E-002	5.87E-002	9.45E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		7.01E-003	6.62E-002	1.33E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.99E-002	1.24E-001	2.08E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.78E-003	5.80E-002	1.10E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-6.87E-005	1.79E-001	3.32E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-9.45E-002	7.32E-002	8.99E-002
CS-137	NOT FOUND/DATA for	661.66 keV		4.89E-002	7.49E-002	1.50E-001
TL-208	2.75E-001	1.91E-001	1.45E-001	FOUND		
PB-212	9.32E-001	1.52E-001	4.73E-001	FOUND		
BI-214	1.02E+000	5.65E-001	2.59E-001	FOUND		
PB-214	9.42E-001	5.20E-001	2.95E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.21E+000	1.55E+000	3.00E+000
AC-228	1.03E+000	2.81E-001	4.79E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-9.23E+000	2.46E+001	4.34E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-3.19E-001	2.18E+000	3.71E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.74E-001	2.89E-001	4.33E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-6.58E+000	1.10E+001	1.65E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.40E-001	1.25E+000	2.20E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.73E+002	2.29E+002	3.51E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.49E-001	9.21E-002	1.81E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.40E-001	1.25E+000	2.20E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.46E-001	4.50E-001	8.28E-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-0503-025
Sample Title: B.5 IW E. trench bottom Sample #8
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.293E+002 g
Sample Taken On: 3/15/2005 11:15:00 AM
Acquisition Started: 3/16/2005 11:05:50 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	2.51E+001	1.29E+001	2.95E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.40E-003	7.91E-002	1.68E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.34E-002	9.40E-002	1.58E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-2.14E-002	1.27E-001	2.46E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.70E-001	2.33E-001	3.76E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.14E-002	9.14E-002	1.35E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.02E-002	2.58E-001	4.94E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.63E-001	1.15E-001	1.33E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.82E-002	9.91E-002	2.27E-001
TL-208	1.98E-001	1.25E-001	2.40E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		7.72E-001	2.60E-001	5.52E-001
BI-214	8.80E-001	1.12E+000	3.88E-001	FOUND		
PB-214	7.90E-001	2.38E-001	4.97E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.85E+000	2.36E+000	4.86E+000
AC-228	NOT FOUND/DATA for	338.32 keV		7.01E-001	7.48E-001	1.55E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-9.84E+000	3.71E+001	6.78E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.88E+000	3.55E+000	6.59E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.98E-002	4.08E-001	6.76E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.81E+001	2.02E+001	4.68E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.34E-001	1.74E+000	3.05E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.64E+001	3.96E+002	7.35E+002
U-235	NOT FOUND/DATA for	185.71 keV		8.08E-002	1.45E-001	2.77E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.34E-001	1.74E+000	3.05E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-7.54E-001	6.53E-001	9.99E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-026
Sample Title: B.5 IW E. trench bottom Sample #9
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.563E+002 g
Sample Taken On: 3/15/2005 11:15:00 AM
Acquisition Started: 3/16/2005 11:17:01 AM
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	2.18E+001	3.68E+000	2.31E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.24E-002	9.58E-002	2.06E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-5.92E-003	9.08E-002	1.51E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-2.30E-002	8.28E-002	1.60E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.13E-002	2.13E-001	4.26E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.30E-002	9.14E-002	1.63E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.00E-001	2.35E-001	4.08E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.44E-002	1.04E-001	1.84E-001
CS-137	NOT FOUND/DATA for 661.66 keV			9.00E-002	8.52E-002	2.10E-001
TL-208	1.96E-001	1.14E-001	1.99E-001	FOUND		
PB-212	1.30E+000	5.92E-001	4.99E-001	FOUND		
BI-214	9.25E-001	8.76E-001	3.73E-001	FOUND		
PB-214	8.36E-001	2.73E-001	4.23E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			-4.93E-001	2.01E+000	3.60E+000
AC-228	NOT FOUND/DATA for 911.21 keV			6.20E-002	2.35E-001	1.29E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-4.69E+001	4.15E+001	6.42E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.20E-001	3.16E+000	5.61E+000
PA-234	NOT FOUND/DATA for 98.44 keV			2.72E-001	3.50E-001	6.49E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.20E+000	1.83E+001	3.60E+001
TH-234	NOT FOUND/DATA for 92.60 keV			6.69E-001	1.65E+000	2.97E+000
U-234	NOT FOUND/DATA for 53.20 keV			-5.37E+002	3.79E+002	5.28E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.58E-001	1.18E-001	2.46E-001
U-238	NOT FOUND/DATA for 92.60 keV			6.69E-001	1.65E+000	2.97E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.63E-001	6.09E-001	1.17E+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-0503-027
Sample Title: B.5 E.side spoils pile IW line
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.227E+002 g
Sample Taken On: 3/15/2005 11:15:00 AM
Acquisition Started: 3/16/2005 4:32:08 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	2.25E+001	2.00E+001	2.77E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-8.10E-002	9.63E-002	1.56E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.19E-002	8.93E-002	1.53E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-7.21E-002	1.01E-001	1.67E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.82E-001	2.82E-001	3.40E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-8.10E-002	8.72E-002	1.36E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-4.92E-002	2.91E-001	5.31E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.79E-002	1.09E-001	1.62E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.53E-002	1.25E-001	2.54E-001
TL-208	3.67E-001	6.34E-001	2.16E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			8.99E-001	2.78E-001	5.88E-001
BI-214	9.67E-001	1.01E+000	3.83E-001	FOUND		
PB-214	4.21E-001	2.11E-001	3.87E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.40E+000	2.40E+000	4.56E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.53E+000	6.61E-001	1.57E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.16E+001	3.72E+001	7.43E+001
PA-231	NOT FOUND/DATA for 300.02 keV			7.50E-001	3.86E+000	6.75E+000
PA-234	NOT FOUND/DATA for 926.00 keV			-7.31E-001	1.31E+000	9.36E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-4.28E+000	1.40E+001	2.70E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-1.41E-001	1.80E+000	3.08E+000
U-234	NOT FOUND/DATA for 53.20 keV			-3.89E+001	2.91E+002	5.53E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.59E-001	1.41E-001	2.82E-001
U-238	NOT FOUND/DATA for 92.60 keV			-1.41E-001	1.80E+000	3.08E+000
AM-241	NOT FOUND/DATA for 59.54 keV			5.86E-002	6.44E-001	1.23E+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-0503-028
Sample Title: B.5 E.side spoils pile IW line #10
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.022E+002 g
Sample Taken On: 3/15/2005 11:15:00 AM
Acquisition Started: 3/16/2005 5:34:54 PM
Live Time: 600.0 seconds
Real Time: 601.1 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	2.32E+001	1.35E+001	2.62E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.55E-002	9.34E-002	1.75E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.47E-002	8.64E-002	1.57E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		9.77E-002	9.26E-002	2.44E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.85E-002	1.32E-001	2.65E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-9.67E-002	1.47E-001	1.24E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.78E-001	2.32E-001	3.46E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-8.30E-002	9.33E-002	1.30E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.19E-002	1.02E-001	2.22E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.95E-001	1.57E-001	3.43E-001
PB-212	8.24E-001	2.01E-001	4.81E-001	FOUND		
BI-214	6.59E-001	2.42E-001	3.45E-001	FOUND		
PB-214	6.44E-001	2.40E-001	4.76E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.34E-001	2.13E+000	3.89E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.06E-001	5.37E-001	1.22E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-3.06E+001	3.74E+001	6.27E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.75E+000	3.24E+000	5.80E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-7.33E-002	3.73E-001	6.25E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-5.18E+000	1.69E+001	3.19E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.20E-001	1.56E+000	2.72E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.23E+002	3.27E+002	6.38E+002
U-235	NOT FOUND/DATA for	185.71 keV		8.52E-002	1.26E-001	2.43E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.20E-001	1.56E+000	2.72E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.04E-001	6.31E-001	1.24E+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-0503-30
Sample Title: Spoil pile 15"strom drain dig #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.595E+002 g
Sample Taken On: 3/15/2005 11:15:00 AM
Acquisition Started: 3/17/2005 6:42:35 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	2.10E+001	3.04E+000	2.41E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			7.00E-002	6.91E-002	1.60E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-6.27E-003	7.26E-002	1.23E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-1.81E-002	1.13E-001	1.82E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.35E-001	2.57E-001	3.65E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.02E-002	8.13E-002	1.40E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-3.00E-001	2.14E-001	2.95E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-3.53E-002	8.66E-002	1.49E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.98E-002	9.80E-002	1.88E-001
TL-208	4.70E-001	5.15E-001	1.76E-001	FOUND		
PB-212	1.20E+000	3.31E-001	3.53E-001	FOUND		
BI-214	9.48E-001	2.47E-001	3.90E-001	FOUND		
PB-214	6.27E-001	3.78E-001	4.11E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.10E+000	1.79E+000	3.48E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.04E+000	4.57E-001	1.06E+000
TH-230	NOT FOUND/DATA for 67.67 keV			9.19E+000	3.13E+001	5.73E+001
PA-231	NOT FOUND/DATA for 300.02 keV			8.08E-002	2.82E+000	4.94E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-4.19E-001	4.21E-001	5.03E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.32E+000	1.25E+001	2.52E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.39E+000	1.37E+000	2.53E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.43E+002	2.64E+002	4.27E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.89E-002	1.09E-001	2.00E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.39E+000	1.37E+000	2.53E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.44E-001	5.00E-001	8.95E-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-0503-31
Sample Title: Spoil pile 15"strom drain dig #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.298E+002 g
Sample Taken On: 3/15/2005 11:15:00 AM
Acquisition Started: 3/17/2005 7:10:59 AM
Live Time: 900.0 seconds
Real Time: 901.6 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	1.89E+001	8.95E+000	2.37E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-4.89E-002	9.05E-002	1.55E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.61E-002	7.26E-002	1.28E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		4.92E-002	9.55E-002	2.06E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.29E-001	1.75E-001	2.95E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.31E-002	7.46E-002	1.31E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.27E-002	2.01E-001	3.70E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-9.37E-002	8.74E-002	1.32E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-6.19E-003	7.57E-002	1.45E-001
TL-208	4.20E-001	3.69E-001	1.96E-001	FOUND		
PB-212	8.90E-001	1.93E-001	3.86E-001	FOUND		
BI-214	7.40E-001	8.55E-001	3.23E-001	FOUND		
PB-214	6.21E-001	7.07E-001	4.06E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.84E-001	1.79E+000	3.26E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.01E+000	4.37E-001	1.04E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-8.53E+000	3.27E+001	5.84E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.95E+000	3.03E+000	5.42E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.31E-001	3.21E-001	5.26E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.09E+001	1.66E+001	3.53E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.32E+000	1.52E+000	2.72E+000
U-234	NOT FOUND/DATA for	53.20 keV		6.70E+001	2.65E+002	4.90E+002
U-235	NOT FOUND/DATA for	185.71 keV		7.01E-003	1.05E-001	1.92E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.32E+000	1.52E+000	2.72E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-5.40E-002	5.20E-001	9.56E-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-0503-32
Sample Title: Spoil pile 15"strom drain dig #4
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.982E+002 g
Sample Taken On: 3/15/2005 11:15:00 AM
Acquisition Started: 3/17/2005 7:48:32 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	2.59E+001	8.63E+000	1.42E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			7.71E-002	7.45E-002	1.74E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.41E-002	8.16E-002	1.34E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.49E-002	8.35E-002	1.87E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.23E-001	2.74E-001	3.64E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.03E-002	7.82E-002	1.42E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.88E-001	2.15E-001	3.56E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-8.22E-002	8.25E-002	1.28E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.34E-002	1.00E-001	2.05E-001
TL-208	4.70E-001	2.81E-001	2.02E-001	FOUND		
PB-212	9.30E-001	7.44E-002	4.31E-001	FOUND		
BI-214	9.48E-001	8.73E-001	2.81E-001	FOUND		
PB-214	6.84E-001	2.86E-001	4.52E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.01E+000	1.97E+000	3.77E+000
AC-228	NOT FOUND/DATA for 911.21 keV			-3.14E-002	2.46E-001	1.15E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.89E+001	3.04E+001	5.97E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.97E+000	3.05E+000	5.49E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-5.35E-002	3.38E-001	5.60E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			4.26E+000	1.55E+001	3.01E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.29E+000	1.53E+000	2.90E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.52E+002	3.17E+002	6.07E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.16E-001	1.15E-001	2.35E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.29E+000	1.53E+000	2.90E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.95E-002	5.99E-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-0503-33
Sample Title: Spoil pile 15"strom drain dig #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.602E+002 g
Sample Taken On: 3/15/2005 11:15:00 AM
Acquisition Started: 3/17/2005 8:29:16 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	2.53E+001	3.65E+000	2.10E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.04E-002	8.15E-002	1.58E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.60E-002	8.57E-002	1.35E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			6.58E-002	8.67E-002	2.09E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			4.77E-002	2.32E-001	4.35E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.74E-002	9.06E-002	1.32E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.21E-001	2.15E-001	4.40E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.39E-001	1.25E-001	1.25E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.97E-002	1.03E-001	2.02E-001
TL-208	3.91E-001	1.20E-001	1.65E-001	FOUND		
PB-212	1.08E+000	5.61E-001	3.99E-001	FOUND		
BI-214	9.60E-001	2.49E-001	3.08E-001	FOUND		
PB-214	7.47E-001	2.29E-001	4.32E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.70E+000	1.73E+000	3.68E+000
AC-228	NOT FOUND/DATA for 911.21 keV			5.69E-002	4.73E-001	1.25E+000
TH-230	NOT FOUND/DATA for 67.67 keV			9.75E-001	3.16E+001	5.89E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.42E+000	3.26E+000	5.87E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.58E-001	3.67E-001	5.70E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			9.15E+000	1.64E+001	3.44E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.67E+000	1.55E+000	2.88E+000
U-234	NOT FOUND/DATA for 53.20 keV			7.85E+001	2.76E+002	5.34E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.01E-001	1.04E-001	2.06E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.67E+000	1.55E+000	2.88E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-4.70E-001	6.17E-001	1.00E+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-0503-062
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-0503-065
Sample Title:	MAC-0503-065
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.471E+002 g
Sample Taken On:	3/17/2005 11:15:00 AM
Acquisition Started:	3/21/2005 12:19:17 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	2.25E+001	9.57E+000	2.17E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.72E-002	8.51E-002	2.00E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.92E-002	8.91E-002	1.59E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.92E-002	1.10E-001	2.29E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.23E-001	2.93E-001	4.35E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-6.44E-002	1.11E-001	1.96E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-4.17E-002	2.57E-001	4.84E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.27E-002	9.85E-002	1.40E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.07E-001	1.12E-001	2.53E-001
TL-208	3.79E-001	3.17E-001	2.19E-001	FOUND		
PB-212	7.88E-001	2.28E-001	5.21E-001	FOUND		
BI-214	7.55E-001	2.86E-001	4.47E-001	FOUND		
PB-214	6.22E-001	5.84E-001	4.20E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.12E+000	2.09E+000	4.17E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.27E+000	5.83E-001	1.39E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.51E+001	4.00E+001	7.18E+001
PA-231	NOT FOUND/DATA for	300.02 keV		6.24E-001	3.47E+000	6.33E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-3.80E-001	4.44E-001	5.63E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.01E+001	1.92E+001	3.42E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.49E+000	1.69E+000	3.17E+000
U-234	NOT FOUND/DATA for	53.20 keV		-8.23E+001	3.00E+002	5.49E+002
U-235	NOT FOUND/DATA for	185.71 keV		3.67E-002	1.26E-001	2.38E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.49E+000	1.69E+000	3.17E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.28E-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: MAC-0503-066
Sample Title: MAC-0503-066
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.534E+002 g
Sample Taken On: 3/17/2005 11:15:00 AM
Acquisition Started: 3/21/2005 12:33:21 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	2.17E+001	1.06E+001	2.48E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			7.71E-002	1.17E-001	2.52E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.94E-002	9.45E-002	1.56E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			5.34E-002	7.73E-002	2.08E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.97E-001	3.70E-001	3.29E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			2.51E-002	1.07E-001	2.06E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.52E-001	2.34E-001	3.70E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.09E-001	1.24E-001	1.56E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.66E-001	1.28E-001	2.91E-001
TL-208	3.65E-001	5.27E-002	1.49E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			6.90E-001	2.58E-001	5.37E-001
BI-214	1.09E+000	3.27E-001	4.65E-001	FOUND		
PB-214	6.49E-001	2.53E-001	5.32E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.00E+000	2.22E+000	4.22E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.05E+000	5.69E-001	1.34E+000
TH-230	NOT FOUND/DATA for 67.67 keV			5.35E+000	4.47E+001	8.30E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.44E+000	3.20E+000	6.07E+000
PA-234	NOT FOUND/DATA for 98.44 keV			5.65E-002	3.81E-001	6.65E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			4.13E-001	1.96E+001	3.82E+001
TH-234	NOT FOUND/DATA for 92.60 keV			4.73E-001	1.74E+000	3.06E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.50E+002	2.91E+002	5.16E+002
U-235	NOT FOUND/DATA for 185.71 keV			6.78E-002	1.35E-001	2.56E-001
U-238	NOT FOUND/DATA for 92.60 keV			4.73E-001	1.74E+000	3.06E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-7.18E-002	5.45E-001	1.02E+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-0503-067
Sample Title: MAC-0503-067
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.338E+002 g
Sample Taken On: 3/16/2005 11:15:00 AM
Acquisition Started: 3/21/2005 11:04:31 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	2.39E+001	1.13E+001	2.85E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.21E-002	1.12E-001	2.33E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.30E-002	9.14E-002	1.52E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-8.97E-002	1.10E-001	1.76E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			8.62E-002	2.47E-001	5.25E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-1.63E-002	1.05E-001	2.23E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.69E-002	2.65E-001	5.09E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-8.86E-002	9.65E-002	1.52E-001
CS-137	NOT FOUND/DATA for 661.66 keV			7.29E-002	1.32E-001	2.72E-001
TL-208	4.44E-001	5.23E-001	1.95E-001	FOUND		
PB-212	8.54E-001	4.47E-001	4.68E-001	FOUND		
BI-214	6.39E-001	1.09E+000	4.45E-001	FOUND		
PB-214	7.03E-001	2.09E-001	3.77E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			8.51E-001	2.29E+000	4.33E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.35E+000	6.74E-001	1.55E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-7.50E-001	4.04E+001	7.53E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-1.42E+000	3.75E+000	6.23E+000
PA-234	NOT FOUND/DATA for 98.44 keV			5.01E-002	4.04E-001	7.03E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.25E+001	1.63E+001	2.29E+001
TH-234	NOT FOUND/DATA for 92.60 keV			3.14E-001	1.81E+000	3.17E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.75E+001	3.44E+002	6.39E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.37E-002	1.39E-001	2.56E-001
U-238	NOT FOUND/DATA for 92.60 keV			3.14E-001	1.81E+000	3.17E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-6.76E-001	6.22E-001	9.65E-001

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: MAC-0503-068
Sample Title: MAC-0503-068
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\2004lib_4_5.NLB
Sample Size: 7.357E+002 g
Sample Taken On: 3/16/2005 11:15:00 AM
Acquisition Started: 3/21/2005 11:15:58 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	2.28E+001	3.89E+000	3.00E+000	FOUND		
CO-60	NOT FOUND/DATA for 1173.22 keV			-1.71E-001	1.70E-001	1.96E-001
CD-109	NOT FOUND/DATA for 88.03 keV			7.18E-001	2.79E+000	5.19E+000
CS-137	NOT FOUND/DATA for 661.65 keV			8.39E-002	1.18E-001	2.57E-001
Tl-208	2.56E-001	1.28E-001	1.96E-001	FOUND		
PB-212	6.91E-001	6.45E-001	4.71E-001	FOUND		
BI-214	7.40E-001	1.23E+000	3.90E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			6.70E-001	3.09E-001	6.66E-001
RA-226	NOT FOUND/DATA for 186.21 keV			1.77E+000	2.24E+000	4.39E+000
AC-228	NOT FOUND/DATA for 911.60 keV			9.93E-001	6.08E-001	1.36E+000
PA-231	NOT FOUND/DATA for 301.50 keV			3.15E-001	3.98E+000	6.95E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-5.34E-002	4.25E-001	7.16E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.06E+001	1.53E+001	3.70E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.75E+000	4.08E+000	7.38E+000
U-235	NOT FOUND/DATA for 185.71 keV			8.14E-002	1.34E-001	2.61E-001
AM-241	NOT FOUND/DATA for 59.54 keV			3.63E-002	6.28E-001	1.16E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

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

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***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-76
Sample Title: B-5 EAST TRENCH SPOILS PILE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.089E+002 g
Sample Taken On: 3/22/2005 11:15:00 AM
Acquisition Started: 3/22/2005 5:17:34 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	2.49E+001	1.03E+001	2.04E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	2.97E-002	9.54E-002	2.01E-001
CO-57	NOT FOUND/DATA for		122.06 keV	-5.69E-002	8.87E-002	1.39E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	-2.51E-002	9.32E-002	1.73E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-1.73E-001	2.12E-001	2.62E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	-1.16E-002	1.03E-001	1.76E-001
SB-125	NOT FOUND/DATA for		427.89 keV	-2.42E-002	2.87E-001	5.38E-001
CS-134	NOT FOUND/DATA for		604.70 keV	-8.15E-002	9.08E-002	1.37E-001
CS-137	NOT FOUND/DATA for		661.66 keV	-1.65E-002	1.33E-001	2.40E-001
TL-208	NOT FOUND/DATA for		583.19 keV	3.59E-001	1.55E-001	3.51E-001
PB-212	NOT FOUND/DATA for		238.63 keV	8.71E-001	2.60E-001	5.47E-001
BI-214	NOT FOUND/DATA for		609.31 keV	5.37E-001	3.09E-001	6.66E-001
PB-214	9.25E-001	2.18E-001	3.71E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	1.62E+000	2.00E+000	3.93E+000
AC-228	NOT FOUND/DATA for		911.21 keV	1.38E+000	6.57E-001	1.49E+000
TH-230	NOT FOUND/DATA for		67.67 keV	5.93E+000	3.23E+001	6.22E+001
PA-231	NOT FOUND/DATA for		300.02 keV	2.04E+000	3.17E+000	5.94E+000
PA-234	NOT FOUND/DATA for		98.44 keV	-1.13E-002	3.00E-001	5.25E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	5.32E+000	1.65E+001	3.55E+001
TH-234	NOT FOUND/DATA for		92.60 keV	2.85E-001	1.68E+000	2.91E+000
U-234	NOT FOUND/DATA for		53.20 keV	-1.69E+002	3.56E+002	6.12E+002
U-235	NOT FOUND/DATA for		185.71 keV	6.84E-002	1.20E-001	2.32E-001
U-238	NOT FOUND/DATA for		92.60 keV	2.85E-001	1.68E+000	2.91E+000
AM-241	NOT FOUND/DATA for		59.54 keV	-1.48E-001	5.52E-001	1.02E+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-0503-77
Sample Title: B-5 EAST TRENCH SPOILS PILE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.918E+002 g
Sample Taken On: 3/22/2005 11:15:00 AM
Acquisition Started: 3/22/2005 5:35:26 PM
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	2.12E+001	1.07E+001	2.64E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.64E-002	6.01E-002	1.42E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.22E-002	9.67E-002	1.56E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		6.13E-003	1.20E-001	2.39E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.56E-002	1.68E-001	3.10E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.15E-002	9.75E-002	1.72E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.80E-001	2.49E-001	4.07E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.21E-002	8.97E-002	1.63E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.34E-002	1.15E-001	2.24E-001
TL-208	3.77E-001	4.04E-001	1.69E-001	FOUND		
PB-212	7.49E-001	2.15E-001	4.55E-001	FOUND		
BI-214	9.83E-001	2.95E-001	3.40E-001	FOUND		
PB-214	1.16E+000	9.25E-001	4.31E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.46E+000	2.21E+000	4.37E+000
AC-228	NOT FOUND/DATA for	911.21 keV		4.87E-001	4.55E-001	1.04E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.05E+001	3.54E+001	6.24E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-3.54E+000	3.72E+000	4.40E+000
PA-234	NOT FOUND/DATA for	131.20 keV		1.66E-001	3.62E-001	6.36E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-9.44E+000	1.80E+001	3.00E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-3.68E-002	1.78E+000	2.99E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.71E+002	3.65E+002	5.31E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.65E-001	1.34E-001	2.68E-001
U-238	NOT FOUND/DATA for	92.60 keV		-3.68E-002	1.78E+000	2.99E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.63E-001	6.21E-001	1.20E+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-0503-078
Sample Title: B-5 NORTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.678E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 8:38:45 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	1.88E+001	2.14E+001	3.19E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.85E-002	9.13E-002	1.93E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.20E-002	8.59E-002	1.51E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			6.22E-002	9.63E-002	2.39E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.43E-001	2.50E-001	4.18E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.84E-003	1.01E-001	1.93E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-8.87E-002	2.29E-001	4.20E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.35E-002	9.41E-002	1.75E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.87E-002	1.35E-001	2.73E-001
TL-208	2.56E-001	4.07E-001	2.12E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			6.40E-001	2.48E-001	5.17E-001
BI-214	6.67E-001	2.57E-001	3.84E-001	FOUND		
PB-214	6.29E-001	1.97E-001	3.75E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			-8.24E-002	2.23E+000	4.06E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.05E+000	5.63E-001	1.31E+000
TH-230	NOT FOUND/DATA for 67.67 keV			4.96E+000	3.62E+001	6.78E+001
PA-231	NOT FOUND/DATA for 300.02 keV			4.78E+000	3.54E+000	6.45E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-7.58E-002	3.60E-001	6.00E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			6.69E+000	1.61E+001	3.33E+001
TH-234	NOT FOUND/DATA for 92.60 keV			3.67E-001	1.85E+000	3.22E+000
U-234	NOT FOUND/DATA for 53.20 keV			-4.91E+001	3.18E+002	5.61E+002
U-235	NOT FOUND/DATA for 185.71 keV			-5.65E-002	1.37E-001	2.40E-001
U-238	NOT FOUND/DATA for 92.60 keV			3.67E-001	1.85E+000	3.22E+000
AM-241	NOT FOUND/DATA for 59.54 keV			5.56E-003	6.40E-001	1.13E+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-0503-079
Sample Title: B-5 NORTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.221E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 8:53:04 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	2.17E+001	1.22E+001	3.00E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			9.17E-002	1.01E-001	2.34E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.32E-002	1.01E-001	1.83E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			8.75E-002	1.06E-001	2.48E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.74E-001	2.50E-001	4.13E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.72E-002	1.25E-001	2.05E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-6.40E-002	2.99E-001	5.15E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.33E-002	9.98E-002	1.71E-001
CS-137	NOT FOUND/DATA for 661.66 keV			8.71E-002	1.25E-001	2.62E-001
TL-208	4.31E-001	1.52E-001	2.12E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			9.88E-001	2.97E-001	6.23E-001
BI-214	1.04E+000	6.15E+000	3.24E-001	FOUND		
PB-214	8.09E-001	4.84E-001	5.01E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.74E+000	2.50E+000	5.05E+000
AC-228	NOT FOUND/DATA for 911.21 keV			6.11E-001	5.85E-001	1.28E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-3.91E+000	3.82E+001	7.09E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.38E+000	3.44E+000	6.11E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.32E-001	3.99E-001	5.99E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			6.22E+000	2.28E+001	4.55E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.09E+000	1.92E+000	3.47E+000
U-234	NOT FOUND/DATA for 53.20 keV			6.08E+001	3.45E+002	6.62E+002
U-235	NOT FOUND/DATA for 185.71 keV			3.84E-001	1.50E-001	3.24E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.09E+000	1.92E+000	3.47E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.17E-001	6.10E-001	1.21E+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-0503-080
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

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	2.43E+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

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-081
Sample Title: B-5 NORTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.484E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 9:15:46 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	2.26E+001	3.63E+000	2.19E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.67E-002	8.10E-002	1.75E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.49E-002	8.37E-002	1.37E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			5.99E-002	9.69E-002	2.23E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-6.38E-002	2.07E-001	3.79E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.03E-003	9.31E-002	1.81E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.36E-001	2.33E-001	5.13E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.97E-002	1.03E-001	1.86E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.98E-002	1.11E-001	2.29E-001
TL-208	3.27E-001	1.57E-001	2.59E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			7.34E-001	2.49E-001	5.16E-001
BI-214	7.55E-001	2.64E-001	3.87E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			5.52E-001	2.76E-001	5.86E-001
RA-226	NOT FOUND/DATA for 186.10 keV			6.66E-001	2.09E+000	3.82E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.39E-001	5.00E-001	1.17E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.33E+001	3.45E+001	6.03E+001
PA-231	NOT FOUND/DATA for 300.02 keV			5.85E-001	3.12E+000	5.66E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.42E-002	3.33E-001	5.75E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			9.21E+000	1.47E+001	3.39E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.05E+000	1.57E+000	3.02E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.34E+001	2.93E+002	5.53E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.13E-001	1.21E-001	2.36E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.05E+000	1.57E+000	3.02E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-5.44E-001	6.20E-001	1.05E+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-0503-082
Sample Title: B-5 NORTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.737E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 9:26:36 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	1.99E+001	1.44E+001	2.69E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.09E-001	1.08E-001	2.51E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.08E-001	1.15E-001	1.63E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.93E-002	1.44E-001	2.90E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.65E-002	2.74E-001	4.77E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-7.11E-002	1.63E-001	1.85E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.22E-001	3.00E-001	5.69E-001
CS-134	NOT FOUND/DATA for 795.84 keV			2.86E-002	9.66E-002	2.05E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.56E-002	1.30E-001	2.64E-001
TL-208	3.25E-001	4.89E-001	2.27E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			7.85E-001	2.57E-001	5.59E-001
BI-214	6.58E-001	2.97E-001	4.79E-001	FOUND		
PB-214	9.36E-001	8.75E-001	5.44E-001	FOUND		
RA-226	3.57E+000	2.09E+000	4.48E+000	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			7.12E-001	5.69E-001	1.31E+000
TH-230	NOT FOUND/DATA for 67.67 keV			4.17E+001	4.30E+001	8.65E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.92E+000	3.44E+000	6.55E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-8.86E-003	4.12E-001	7.01E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-4.54E+000	1.73E+001	3.23E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.00E+000	2.00E+000	3.58E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.47E+002	3.70E+002	6.54E+002
U-235	2.17E-001	1.28E-001	2.73E-001	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			1.00E+000	2.00E+000	3.58E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.30E-001	7.21E-001	1.39E+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-0503-083
Sample Title: B-5 NORTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.794E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 9:39:53 AM
Live Time: 600.0 seconds
Real Time: 601.1 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	2.40E+001	1.25E+001	2.92E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.30E-002	8.47E-002	1.94E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.30E-002	9.84E-002	1.74E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.92E-002	1.22E-001	2.70E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.51E-001	2.51E-001	3.61E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.73E-002	9.77E-002	1.81E-001
SB-125	NOT FOUND/DATA for	427.89 keV		8.52E-002	2.79E-001	5.47E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-9.76E-002	1.26E-001	2.04E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.77E-002	1.15E-001	2.53E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.92E-001	1.83E-001	4.10E-001
PB-212	NOT FOUND/DATA for	238.63 keV		1.08E+000	3.00E-001	6.41E-001
BI-214	1.08E+000	1.06E+000	4.08E-001	FOUND		
PB-214	8.97E-001	1.25E+000	4.98E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.90E+000	2.46E+000	4.93E+000
AC-228	NOT FOUND/DATA for	338.32 keV		6.38E-001	8.60E-001	1.71E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.32E+001	4.36E+001	8.47E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.68E+000	3.68E+000	6.96E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.83E-001	3.97E-001	6.42E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.58E+001	2.59E+001	3.20E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.13E-001	1.83E+000	3.21E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.21E+002	4.16E+002	8.01E+002
U-235	NOT FOUND/DATA for	185.71 keV		8.43E-002	1.48E-001	2.84E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.13E-001	1.83E+000	3.21E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.82E-001	7.01E-001	1.26E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0503-084
Sample Title: B-5 NORTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.120E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 10:54:41 AM
Live Time: 600.0 seconds
Real Time: 601.1 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	2.21E+001	3.98E+000	3.63E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.32E-002	1.05E-001	2.08E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.02E-002	1.02E-001	1.60E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		6.78E-004	1.14E-001	1.97E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.60E-001	2.23E-001	3.44E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-5.95E-002	1.32E-001	2.48E-001
SB-125	NOT FOUND/DATA for	427.89 keV		8.22E-002	2.78E-001	5.54E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.22E-002	9.55E-002	1.56E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.66E-002	1.27E-001	2.58E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.31E-001	1.61E-001	3.66E-001
PB-212	NOT FOUND/DATA for	238.63 keV		7.35E-001	2.66E-001	5.60E-001
BI-214	NOT FOUND/DATA for	609.31 keV		8.48E-001	3.32E-001	7.72E-001
PB-214	8.09E-001	2.78E-001	4.33E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.27E+000	2.39E+000	4.63E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.23E-001	5.36E-001	1.27E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.36E+001	4.46E+001	8.19E+001
PA-231	NOT FOUND/DATA for	300.02 keV		6.84E-001	3.59E+000	6.54E+000
PA-234	NOT FOUND/DATA for	98.44 keV		6.26E-002	3.59E-001	6.37E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.61E+001	2.25E+001	4.96E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.49E-001	2.05E+000	3.55E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.46E+002	3.83E+002	6.59E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.42E-001	1.45E-001	2.86E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.49E-001	2.05E+000	3.55E+000
AM-241	NOT FOUND/DATA for	59.54 keV		7.75E-002	6.51E-001	1.22E+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 *****
****

Site Location: CE Windsor
Sample ID: MAC-0503-085
Sample Title: B-5 NORTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.422E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 11:10:30 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	2.75E+001	1.10E+001	2.50E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-3.41E-002	5.87E-002	9.26E-002
CO-57	NOT FOUND/DATA for 122.06 keV			-2.99E-002	8.84E-002	1.46E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.74E-002	1.08E-001	2.30E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-7.29E-002	2.05E-001	3.30E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.80E-002	8.11E-002	1.65E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-8.31E-002	2.41E-001	4.34E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.44E-002	1.07E-001	1.81E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-7.77E-002	1.39E-001	2.05E-001
TL-208	3.90E-001	1.37E-001	1.89E-001	FOUND		
PB-212	8.36E-001	5.35E-001	4.93E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			7.83E-001	3.39E-001	7.56E-001
PB-214	6.27E-001	2.61E-001	5.34E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			8.74E-001	2.19E+000	4.12E+000
AC-228	NOT FOUND/DATA for 911.21 keV			-6.95E-002	2.92E-001	1.38E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.93E+000	3.84E+001	7.23E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.83E+000	3.34E+000	6.27E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.49E-001	3.46E-001	6.18E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			7.63E+000	1.46E+001	3.44E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-1.21E+000	1.74E+000	2.78E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.83E+002	3.34E+002	6.67E+002
U-235	NOT FOUND/DATA for 185.71 keV			3.73E-002	1.35E-001	2.50E-001
U-238	NOT FOUND/DATA for 92.60 keV			-1.21E+000	1.74E+000	2.78E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.49E-001	6.21E-001	1.20E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-086
Sample Title: B-5 NORTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.025E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 11:21:39 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	2.71E+001	4.26E+000	5.03E-001	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		9.90E-002	1.17E-001	2.59E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-6.73E-002	1.03E-001	1.64E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-1.81E-002	1.11E-001	2.04E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.59E-001	2.85E-001	4.57E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.09E-002	1.01E-001	1.75E-001
SB-125	NOT FOUND/DATA for	427.89 keV		5.01E-002	2.73E-001	5.30E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.00E-003	1.26E-001	2.36E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.24E-002	1.15E-001	2.53E-001
TL-208	2.58E-001	3.18E-001	2.08E-001	FOUND		
PB-212	1.13E+000	5.44E-001	5.10E-001	FOUND		
BI-214	9.46E-001	3.18E-001	5.39E-001	FOUND		
PB-214	5.74E-001	2.55E-001	4.05E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.60E-001	2.61E+000	4.77E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.18E+000	6.37E-001	1.48E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.69E+000	3.38E+001	6.37E+001
PA-231	NOT FOUND/DATA for	300.02 keV		5.18E+000	3.87E+000	7.05E+000
PA-234	NOT FOUND/DATA for	131.20 keV		3.99E-002	4.02E-001	7.02E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.38E-001	1.88E+001	3.38E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.84E-001	1.90E+000	3.32E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.15E+002	3.42E+002	6.68E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.00E-001	1.55E-001	2.97E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.84E-001	1.90E+000	3.32E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.99E-001	5.48E-001	9.78E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-087
Sample Title: B-5 NORTH TRENCH #10
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.102E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 11:43:08 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	2.27E+001	3.97E+000	2.16E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.11E-003	1.05E-001	2.09E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.52E-002	9.93E-002	1.64E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.28E-002	8.52E-002	2.20E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-8.42E-002	2.47E-001	4.52E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.18E-002	1.27E-001	2.09E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.82E-001	2.77E-001	4.72E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.24E-002	9.81E-002	1.81E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.44E-002	1.31E-001	2.50E-001
TL-208	3.36E-001	1.44E-001	2.37E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		8.86E-001	2.84E-001	5.96E-001
BI-214	NOT FOUND/DATA for	609.31 keV		5.99E-001	3.34E-001	7.33E-001
PB-214	NOT FOUND/DATA for	351.92 keV		8.62E-001	3.16E-001	7.12E-001
RA-226	NOT FOUND/DATA for	186.10 keV		3.52E+000	2.41E+000	4.91E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.39E+000	6.48E-001	1.53E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.38E+001	3.67E+001	7.44E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-7.14E-001	3.86E+000	6.66E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.97E-001	4.30E-001	7.79E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.51E+000	2.64E+001	4.25E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.55E+000	1.79E+000	3.66E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.28E+002	3.91E+002	7.66E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.56E-001	1.45E-001	2.89E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.55E+000	1.79E+000	3.66E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.24E-001	6.69E-001	1.23E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-089
Sample Title: B-5 NORTH WEST TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.984E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 9:51:22 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	2.50E+001	1.19E+001	2.48E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.82E-003	1.18E-001	2.23E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.39E-002	1.00E-001	1.66E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		7.22E-002	1.18E-001	2.80E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-5.30E-002	2.21E-001	4.28E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.69E-002	9.89E-002	1.86E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.03E-002	2.91E-001	5.49E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-8.73E-002	1.14E-001	1.76E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-1.91E-002	1.16E-001	2.18E-001
TL-208	3.90E-001	1.48E-001	2.44E-001	FOUND		
PB-212	7.79E-001	2.41E-001	5.08E-001	FOUND		
BI-214	6.83E-001	8.30E-002	4.56E-001	FOUND		
PB-214	6.63E-001	5.97E-001	4.54E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.24E+000	2.55E+000	5.07E+000
AC-228	9.36E-001	4.25E-001	7.41E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		2.66E+001	3.97E+001	7.91E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.46E+000	3.48E+000	6.44E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.29E-001	4.15E-001	6.83E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.58E+000	2.10E+001	4.32E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.30E-001	1.80E+000	3.15E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.58E+002	3.93E+002	6.31E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.52E-001	1.59E-001	3.09E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.30E-001	1.80E+000	3.15E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-7.89E-002	7.52E-001	1.36E+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 *****
****

Site Location: CE Windsor
Sample ID: MAC-0503-090
Sample Title: B-5 NORTH WEST TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.497E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 10:15:17 AM
Live Time: 600.0 seconds
Real Time: 601.1 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	1.39E+001	1.16E+001	2.38E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.12E-002	9.62E-002	1.91E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.46E-002	7.07E-002	1.18E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			3.16E-002	8.73E-002	1.98E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.07E-001	2.17E-001	3.78E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-3.95E-003	8.31E-002	1.70E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.18E-002	1.97E-001	3.63E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.01E-002	8.22E-002	1.14E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.59E-002	1.09E-001	2.16E-001
TL-208	NOT FOUND/DATA for 583.19 keV			1.59E-001	1.13E-001	2.53E-001
PB-212	NOT FOUND/DATA for 238.63 keV			3.99E-001	1.90E-001	4.00E-001
BI-214	5.29E-001	2.22E-001	3.19E-001	FOUND		
PB-214	3.40E-001	5.26E-001	3.77E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.26E+000	1.66E+000	3.33E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.43E-001	4.86E-001	1.13E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.75E+001	3.13E+001	6.41E+001
PA-231	NOT FOUND/DATA for 300.02 keV			8.29E-001	2.85E+000	5.29E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.82E-002	3.05E-001	5.27E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			4.96E+000	1.17E+001	2.80E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.42E+000	1.23E+000	2.46E+000
U-234	NOT FOUND/DATA for 53.20 keV			-8.09E+001	2.26E+002	4.15E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.05E-002	9.65E-002	1.95E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.42E+000	1.23E+000	2.46E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-6.51E-002	5.39E-001	1.01E+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-0503-091
Sample Title: B-5 NORTH WEST TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.497E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 10:17:35 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	1.62E+001	1.01E+001	1.24E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.40E-002	7.55E-002	1.65E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-5.04E-002	8.44E-002	1.35E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-1.41E-002	1.02E-001	1.69E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		2.39E-002	1.95E-001	4.03E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.10E-002	8.58E-002	1.60E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.42E-001	2.47E-001	4.24E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.47E-002	7.44E-002	1.23E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.24E-001	1.11E-001	2.47E-001
TL-208	2.65E-001	1.16E-001	1.86E-001	FOUND		
PB-212	9.04E-001	3.46E-001	4.51E-001	FOUND		
BI-214	6.59E-001	2.50E-001	3.99E-001	FOUND		
PB-214	5.47E-001	5.50E-001	4.00E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.69E+000	2.04E+000	3.98E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.55E-001	4.70E-001	1.15E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-4.38E+001	3.36E+001	4.90E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.73E+000	2.77E+000	5.29E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-3.65E-002	2.98E-001	5.07E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.58E+001	1.68E+001	3.87E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.52E-001	1.53E+000	2.69E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.88E+001	2.88E+002	5.52E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.15E-001	1.24E-001	2.42E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.52E-001	1.53E+000	2.69E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-9.89E-002	5.56E-001	1.03E+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 *****
****

Site Location: CE Windsor
Sample ID: MAC-0503-092
Sample Title: B-5 NORTH WEST TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.216E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 10:28:40 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	1.69E+001	3.18E+000	2.47E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			7.74E-002	7.86E-002	1.89E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-6.63E-003	9.32E-002	1.55E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-4.40E-004	8.73E-002	1.90E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.39E-002	2.11E-001	4.16E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.41E-001	1.20E-001	1.19E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.17E-001	2.38E-001	4.93E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.44E-002	9.94E-002	1.81E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.28E-001	1.31E-001	2.72E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.78E-001	1.47E-001	3.42E-001
PB-212	NOT FOUND/DATA for 238.63 keV			8.08E-001	2.50E-001	5.28E-001
BI-214	NOT FOUND/DATA for 609.31 keV			5.89E-001	3.06E-001	6.69E-001
PB-214	NOT FOUND/DATA for 351.92 keV			8.35E-001	3.02E-001	6.65E-001
RA-226	9.79E+000	9.25E+000	4.56E+000	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			9.14E-001	4.81E-001	1.17E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.28E+001	3.28E+001	5.91E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.24E+000	3.35E+000	6.20E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-4.21E-002	3.66E-001	6.16E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.60E+001	1.30E+001	3.50E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.78E+000	2.03E+000	3.78E+000
U-234	NOT FOUND/DATA for 53.20 keV			4.30E+002	3.71E+002	7.41E+002
U-235	5.96E-001	5.63E-001	2.77E-001	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			2.78E+000	2.03E+000	3.78E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.74E-001	6.18E-001	1.12E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0503-093
Sample Title: B-5 NORTH WEST TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.986E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 10:39:46 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	2.26E+001	1.02E+001	2.86E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		9.03E-002	1.05E-001	2.35E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.05E-002	8.33E-002	1.51E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		6.32E-002	1.11E-001	2.59E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.25E-001	2.29E-001	4.02E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.72E-003	1.07E-001	1.99E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-4.20E-002	1.95E-001	3.67E-001
CS-134	NOT FOUND/DATA for	604.70 keV		3.45E-002	1.04E-001	1.97E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.58E-001	1.40E-001	3.02E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.94E-001	1.66E-001	3.86E-001
PB-212	3.82E-001	1.80E-001	4.64E-001	FOUND		
BI-214	7.92E-001	2.72E-001	3.83E-001	FOUND		
PB-214	8.70E-001	2.24E-001	5.02E-001	FOUND		
RA-226	4.66E+000	2.00E+000	4.22E+000	FOUND		
AC-228	NOT FOUND/DATA for	911.21 keV		1.18E+000	5.74E-001	1.34E+000
TH-230	NOT FOUND/DATA for	67.67 keV		7.48E+000	3.88E+001	7.30E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.58E+000	3.60E+000	6.55E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-5.90E-001	5.07E-001	4.94E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.26E+001	1.35E+001	3.41E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.20E+000	1.95E+000	3.61E+000
U-234	NOT FOUND/DATA for	53.20 keV		-7.37E+001	3.37E+002	6.09E+002
U-235	2.84E-001	1.22E-001	2.57E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		2.20E+000	1.95E+000	3.61E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.60E-001	6.48E-001	1.28E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0503-094
Sample Title: B-5 H/W LINE BOTTOM TRENCH #7
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.058E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 12:44:07 PM
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	2.22E+001	1.15E+001	2.88E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.74E-002	8.90E-002	1.87E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.30E-002	1.09E-001	1.71E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		7.04E-002	1.06E-001	2.54E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.53E-001	2.80E-001	3.88E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		1.67E-002	1.11E-001	2.50E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.28E-001	2.41E-001	5.74E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.49E-001	1.58E-001	1.37E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.24E-002	1.66E-001	3.11E-001
TL-208	4.09E-001	1.55E-001	2.72E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		1.15E+000	3.01E-001	6.44E-001
BI-214	6.13E-001	9.77E-001	5.11E-001	FOUND		
PB-214	7.49E-001	3.64E-001	3.20E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		-2.55E-001	2.33E+000	4.24E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.57E+000	7.09E-001	1.65E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.10E+000	3.84E+001	6.88E+001
PA-231	NOT FOUND/DATA for	283.67 keV		-4.18E+000	6.28E+000	8.14E+000
PA-234	NOT FOUND/DATA for	131.20 keV		6.47E-002	4.07E-001	7.06E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.42E+000	1.86E+001	3.85E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.49E+000	1.80E+000	3.53E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.52E+002	3.82E+002	6.38E+002
U-235	NOT FOUND/DATA for	185.71 keV		3.84E-002	1.45E-001	2.69E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.49E+000	1.80E+000	3.53E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.11E-001	6.80E-001	1.30E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0503-095
Sample Title: B-5 H/W LINE BOTTOM TRENCH #8
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.053E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 12:58:09 PM
Live Time: 600.0 seconds
Real Time: 601.1 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	2.53E+001	1.16E+001	2.50E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.51E-002	1.15E-001	2.10E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.19E-002	9.08E-002	1.58E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		2.75E-002	1.51E-001	3.07E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.39E-001	1.92E-001	3.00E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-7.78E-002	1.14E-001	1.93E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.45E-002	2.36E-001	4.57E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.42E-002	1.18E-001	1.83E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.87E-002	1.39E-001	2.90E-001
TL-208	3.83E-001	1.06E-001	2.51E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		1.30E+000	3.23E-001	6.84E-001
BI-214	9.24E-001	1.02E+000	4.46E-001	FOUND		
PB-214	6.65E-001	8.93E-001	4.26E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.39E+000	2.42E+000	4.91E+000
AC-228	9.89E-001	3.99E-001	6.43E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.78E+001	3.93E+001	7.01E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.34E-002	3.40E+000	6.02E+000
PA-234	NOT FOUND/DATA for	131.20 keV		1.03E-001	4.01E-001	7.06E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.21E-001	2.10E+001	4.08E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.78E+000	2.09E+000	3.77E+000
U-234	NOT FOUND/DATA for	53.20 keV		-3.30E+002	3.45E+002	4.82E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.45E-001	1.47E-001	2.89E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.78E+000	2.09E+000	3.77E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.54E-001	5.78E-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: MAC-0503-096
Sample Title: B-5 H/W LINE BOTTOM TRENCH #9
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.526E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 1:12:39 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	2.27E+001	1.52E+001	2.90E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.13E-002	1.12E-001	2.38E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-5.29E-002	1.18E-001	1.82E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-8.65E-002	1.33E-001	2.40E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.91E-002	2.82E-001	5.54E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.23E-002	1.20E-001	2.27E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.20E-002	2.31E-001	4.72E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.07E-002	1.23E-001	2.28E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-7.35E-002	1.46E-001	2.54E-001
TL-208	3.50E-001	4.65E-001	2.02E-001	FOUND		
PB-212	8.46E-001	6.18E-001	5.60E-001	FOUND		
BI-214	1.10E+000	1.03E+000	4.76E-001	FOUND		
PB-214	9.58E-001	3.14E-001	5.45E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.17E+000	2.62E+000	4.96E+000
AC-228	NOT FOUND/DATA for	338.32 keV		5.84E-001	7.90E-001	1.63E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.06E+000	4.95E+001	9.05E+001
PA-231	NOT FOUND/DATA for	300.02 keV		6.04E-001	3.24E+000	5.95E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.22E-001	4.31E-001	7.12E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.04E+000	2.26E+001	3.92E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-4.14E-001	2.09E+000	3.05E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.14E+001	3.33E+002	6.29E+002
U-235	NOT FOUND/DATA for	185.71 keV		7.57E-002	1.60E-001	3.02E-001
U-238	NOT FOUND/DATA for	92.60 keV		-4.14E-001	2.09E+000	3.05E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.30E-002	7.09E-001	1.26E+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-0503-097
Sample Title: B-5 H/W LINE BOTTOM TRENCH #10
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.898E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 1:31:35 PM
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	2.25E+001	1.08E+001	2.27E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	-4.51E-003	9.39E-002	1.91E-001
CO-57	NOT FOUND/DATA for		122.06 keV	8.30E-002	9.10E-002	1.74E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	-1.68E-002	1.20E-001	2.48E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-2.31E-001	2.50E-001	3.56E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	-1.22E-001	1.24E-001	1.67E-001
SB-125	NOT FOUND/DATA for		427.89 keV	3.00E-002	2.89E-001	5.39E-001
CS-134	NOT FOUND/DATA for		604.70 keV	-7.65E-004	1.12E-001	2.16E-001
CS-137	NOT FOUND/DATA for		661.66 keV	4.91E-002	1.35E-001	2.74E-001
TL-208	NOT FOUND/DATA for		583.19 keV	2.67E-001	1.86E-001	3.86E-001
PB-212	1.50E+000	6.70E-001	4.91E-001	FOUND		
BI-214	NOT FOUND/DATA for		609.31 keV	8.08E-001	3.52E-001	7.97E-001
PB-214	NOT FOUND/DATA for		351.92 keV	9.90E-001	3.47E-001	7.77E-001
RA-226	NOT FOUND/DATA for		186.10 keV	9.28E-001	2.46E+000	4.65E+000
AC-228	NOT FOUND/DATA for		911.21 keV	1.22E+000	5.92E-001	1.44E+000
TH-230	NOT FOUND/DATA for		67.67 keV	1.40E+001	4.16E+001	8.01E+001
PA-231	NOT FOUND/DATA for		300.02 keV	3.95E+000	3.94E+000	7.28E+000
PA-234	NOT FOUND/DATA for		98.44 keV	1.38E-001	4.10E-001	7.34E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	5.36E+000	2.18E+001	4.38E+001
TH-234	NOT FOUND/DATA for		92.60 keV	8.33E-001	2.00E+000	3.52E+000
U-234	NOT FOUND/DATA for		53.20 keV	-1.43E+002	3.08E+002	5.47E+002
U-235	NOT FOUND/DATA for		185.71 keV	4.99E-002	1.50E-001	2.83E-001
U-238	NOT FOUND/DATA for		92.60 keV	8.33E-001	2.00E+000	3.52E+000
AM-241	NOT FOUND/DATA for		59.54 keV	-3.83E-001	6.79E-001	1.19E+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-0503-098
Sample Title: B-5 H/W LINE BOTTOM TRENCH #11
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.345E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 1:42:21 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	2.39E+001	1.25E+001	2.89E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		8.45E-002	1.12E-001	2.48E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-5.18E-003	9.29E-002	1.60E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		1.02E-002	1.11E-001	2.29E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.70E-001	2.68E-001	3.73E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		4.23E-002	5.78E-002	1.46E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.93E-001	2.88E-001	5.92E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.32E-002	1.20E-001	1.82E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.02E-002	9.29E-002	1.97E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.34E-001	1.61E-001	3.46E-001
PB-212	NOT FOUND/DATA for	238.63 keV		8.76E-001	2.90E-001	6.03E-001
BI-214	NOT FOUND/DATA for	609.31 keV		7.96E-001	3.50E-001	7.78E-001
PB-214	9.48E-001	4.42E-001	5.11E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.36E+000	2.30E+000	4.56E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.05E-001	5.02E-001	1.20E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.07E+001	3.99E+001	6.97E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.27E+000	3.28E+000	6.12E+000
PA-234	NOT FOUND/DATA for	98.44 keV		6.57E-002	3.66E-001	6.47E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.85E+001	1.62E+001	4.11E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.49E+000	1.88E+000	3.47E+000
U-234	NOT FOUND/DATA for	53.20 keV		-8.29E+001	3.47E+002	6.38E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.24E-002	1.40E-001	2.61E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.49E+000	1.88E+000	3.47E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.39E-001	6.14E-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-0503-099
Sample Title: B-5 H/W LINE BOTTOM TRENCH #12
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.993E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 1:55:18 PM
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	1.99E+001	1.22E+001	1.95E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-5.37E-002	1.17E-001	2.01E-001
CO-57	NOT FOUND/DATA for	122.06 keV		6.74E-002	9.26E-002	1.73E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		7.69E-002	1.49E-001	3.22E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.87E-001	2.62E-001	2.40E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.49E-002	1.04E-001	1.95E-001
SB-125	NOT FOUND/DATA for	427.89 keV		7.40E-002	3.16E-001	6.08E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.14E-002	1.04E-001	1.92E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-2.61E-002	1.27E-001	2.37E-001
TL-208	3.80E-001	6.68E-001	2.10E-001	FOUND		
PB-212	1.08E+000	5.78E-001	5.29E-001	FOUND		
BI-214	7.01E-001	4.48E-001	4.52E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		1.03E+000	3.42E-001	7.71E-001
RA-226	NOT FOUND/DATA for	186.10 keV		7.13E-001	2.41E+000	4.46E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.70E-001	6.15E-001	1.42E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.26E+001	4.47E+001	8.01E+001
PA-231	NOT FOUND/DATA for	300.02 keV		8.86E-001	3.79E+000	6.87E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.00E-001	3.81E-001	6.80E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.86E+000	2.24E+001	3.40E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.16E+000	1.93E+000	3.67E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.57E+001	3.24E+002	6.02E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.22E-001	1.42E-001	2.79E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.16E+000	1.93E+000	3.67E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.35E-001	6.40E-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-0503-100
Sample Title: B-5 H/W LINE BOTTOM TRENCH #13
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.149E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 2:12:54 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	2.06E+001	1.01E+001	1.95E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-4.99E-002	1.05E-001	1.82E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.36E-002	9.12E-002	1.63E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		1.47E-003	9.41E-002	1.92E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.18E-001	2.08E-001	4.66E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		2.08E-002	8.56E-002	1.75E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.70E-001	2.70E-001	4.12E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.74E-002	9.62E-002	1.71E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.32E-002	9.57E-002	2.18E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.71E-001	1.49E-001	3.45E-001
PB-212	5.61E-001	2.00E-001	4.06E-001	FOUND		
BI-214	4.77E-001	4.23E-002	4.04E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		8.32E-001	3.15E-001	6.84E-001
RA-226	NOT FOUND/DATA for	186.10 keV		-7.20E-001	2.03E+000	3.59E+000
AC-228	NOT FOUND/DATA for	911.21 keV		4.21E-001	4.64E-001	1.03E+000
TH-230	NOT FOUND/DATA for	67.67 keV		4.50E+000	3.74E+001	6.97E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.82E+000	2.89E+000	5.52E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.54E-001	3.85E-001	6.05E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.56E+000	1.93E+001	3.70E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.51E+000	1.81E+000	3.33E+000
U-234	NOT FOUND/DATA for	53.20 keV		-8.35E+001	3.42E+002	5.97E+002
U-235	NOT FOUND/DATA for	185.71 keV		-8.30E-002	1.26E-001	2.16E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.51E+000	1.81E+000	3.33E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-5.39E-001	6.55E-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-0503-101
Sample Title: B-5 H/W LINE BOTTOM TRENCH #14
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.975E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 2:23:57 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	2.41E+001	1.37E+001	2.59E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.98E-002	1.09E-001	2.28E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.32E-002	8.25E-002	1.36E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		7.11E-002	7.75E-002	2.14E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		4.11E-002	2.16E-001	4.53E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-1.58E-003	9.26E-002	2.03E-001
SB-125	NOT FOUND/DATA for	427.89 keV		7.96E-002	2.37E-001	4.81E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.98E-002	1.01E-001	1.81E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.35E-002	1.01E-001	1.99E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.53E-001	1.78E-001	3.97E-001
PB-212	1.23E+000	6.03E-001	3.89E-001	FOUND		
BI-214	9.41E-001	1.71E+000	3.28E-001	FOUND		
PB-214	7.68E-001	3.58E-001	4.00E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.32E+000	2.13E+000	4.10E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.11E-001	5.48E-001	1.27E+000
TH-230	NOT FOUND/DATA for	67.67 keV		4.14E+000	3.85E+001	7.12E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-2.41E-001	2.99E+000	5.32E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.14E-001	3.67E-001	6.65E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.67E+000	2.20E+001	3.96E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.46E-001	1.69E+000	2.92E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.48E+002	2.87E+002	5.01E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.19E-001	1.33E-001	2.60E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.46E-001	1.69E+000	2.92E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.02E-001	6.28E-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-0503-102
Sample Title: B-5 H/W LINE BOTTOM TRENCH #15
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.303E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 2:52:05 PM
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	2.33E+001	1.35E+001	3.38E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.04E-002	1.06E-001	2.13E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.67E-002	9.30E-002	1.66E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		2.59E-002	1.37E-001	2.73E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.34E-001	2.56E-001	3.75E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		4.80E-003	7.67E-002	1.58E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.95E-002	2.59E-001	5.09E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.88E-002	1.02E-001	1.97E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.28E-002	7.78E-002	1.88E-001
TL-208	3.79E-001	1.46E-001	2.43E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		9.99E-001	2.90E-001	6.11E-001
BI-214	7.81E-001	4.54E-001	3.56E-001	FOUND		
PB-214	7.95E-001	2.78E-001	5.76E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.34E-001	2.32E+000	4.27E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.15E+000	6.26E-001	1.45E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.03E+001	4.11E+001	7.98E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-7.24E-002	3.04E+000	5.45E+000
PA-234	NOT FOUND/DATA for	131.20 keV		2.92E-002	3.72E-001	6.46E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.49E+000	2.17E+001	4.32E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-5.59E-001	1.93E+000	3.16E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.14E+002	3.41E+002	5.76E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.13E-002	1.44E-001	2.70E-001
U-238	NOT FOUND/DATA for	92.60 keV		-5.59E-001	1.93E+000	3.16E+000
AM-241	NOT FOUND/DATA for	59.54 keV		7.85E-002	5.85E-001	1.12E+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-0503-103
Sample Title: B-5 H/W LINE BOTTOM TRENCH #16
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.774E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 2:52:05 PM
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	2.19E+001	1.27E+001	3.17E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		9.72E-003	9.98E-002	2.00E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.45E-002	8.74E-002	1.56E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		2.43E-002	1.29E-001	2.56E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.26E-001	2.40E-001	3.52E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		4.51E-003	7.21E-002	1.48E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.78E-002	2.43E-001	4.79E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.77E-002	9.58E-002	1.85E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.96E-002	7.31E-002	1.76E-001
TL-208	3.56E-001	1.37E-001	2.29E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		9.39E-001	2.72E-001	5.74E-001
BI-214	7.34E-001	4.27E-001	3.34E-001	FOUND		
PB-214	7.47E-001	2.61E-001	5.41E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.20E-001	2.18E+000	4.01E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.08E+000	5.88E-001	1.36E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.91E+001	3.86E+001	7.50E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-6.80E-002	2.86E+000	5.12E+000
PA-234	NOT FOUND/DATA for	131.20 keV		2.74E-002	3.50E-001	6.07E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.40E+000	2.04E+001	4.06E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-5.25E-001	1.81E+000	2.97E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.01E+002	3.21E+002	5.41E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.82E-002	1.35E-001	2.53E-001
U-238	NOT FOUND/DATA for	92.60 keV		-5.25E-001	1.81E+000	2.97E+000
AM-241	NOT FOUND/DATA for	59.54 keV		7.38E-002	5.50E-001	1.06E+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-0503-104
Sample Title: B-5 H/W LINE BOTTOM TRENCH #17
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.774E+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	2.16E+001	1.07E+001	2.70E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-5.32E-002	9.83E-002	1.44E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.48E-002	8.43E-002	1.51E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-8.46E-003	1.02E-001	2.02E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-6.37E-002	2.47E-001	4.65E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			2.75E-002	8.31E-002	1.75E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-8.85E-003	2.49E-001	4.63E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-4.14E-002	8.90E-002	1.34E-001
CS-137	NOT FOUND/DATA for 661.66 keV			9.93E-003	1.17E-001	2.29E-001
TL-208	2.76E-001	1.16E-001	1.72E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			7.86E-001	2.34E-001	5.10E-001
BI-214	6.89E-001	8.78E-001	4.62E-001	FOUND		
PB-214	4.48E-001	1.83E+000	3.63E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.15E+000	2.01E+000	3.89E+000
AC-228	NOT FOUND/DATA for 911.21 keV			6.57E-001	5.23E-001	1.18E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.59E+001	3.49E+001	6.90E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.85E+000	3.45E+000	6.37E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.12E-001	3.32E-001	5.90E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.03E+001	1.77E+001	2.51E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.33E+000	1.61E+000	3.02E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.94E+002	3.22E+002	5.41E+002
U-235	NOT FOUND/DATA for 185.71 keV			7.54E-002	1.21E-001	2.37E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.33E+000	1.61E+000	3.02E+000
AM-241	NOT FOUND/DATA for 59.54 keV			3.30E-001	6.44E-001	1.28E+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

	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	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-0503-106
Sample Title: B-5 H/W LINE BOTTOM TRENCH #19
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.675E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 3:53:02 PM
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	2.57E+001	1.15E+001	3.61E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			6.08E-002	9.99E-002	2.12E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.42E-002	9.08E-002	1.53E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-2.26E-002	1.08E-001	1.58E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.18E-001	2.11E-001	3.57E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			3.22E-002	1.07E-001	2.14E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-9.98E-002	2.71E-001	4.85E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.02E-002	8.07E-002	1.36E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.67E-002	1.26E-001	2.60E-001
TL-208	2.83E-001	2.03E+000	2.23E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			9.18E-001	2.77E-001	5.81E-001
BI-214	8.24E-001	8.29E-001	3.80E-001	FOUND		
PB-214	5.53E-001	2.03E-001	4.10E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.00E+000	2.13E+000	4.22E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.00E-001	5.91E-001	1.29E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.42E+001	4.23E+001	7.10E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.09E+000	3.54E+000	6.55E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.20E-001	3.96E-001	6.01E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			8.20E+000	1.94E+001	4.11E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.74E+000	1.75E+000	3.29E+000
U-234	NOT FOUND/DATA for 53.20 keV			3.31E+001	2.92E+002	5.61E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.33E-001	1.30E-001	2.59E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.74E+000	1.75E+000	3.29E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.00E-001	6.01E-001	1.14E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0503-107
Sample Title: B-5 H/W LINE BOTTOM TRENCH #20
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.883E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 4:17:04 PM
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	2.05E+001	1.03E+001	2.92E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-9.06E-002	9.90E-002	1.42E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.57E-002	8.46E-002	1.50E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			4.87E-003	1.14E-001	2.28E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.67E-001	2.83E-001	3.79E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-9.39E-002	9.08E-002	1.26E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.43E-001	2.26E-001	4.86E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.63E-002	8.33E-002	1.41E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.24E-001	1.04E-001	2.40E-001
TL-208	NOT FOUND/DATA for 583.19 keV			1.63E-001	1.46E-001	3.01E-001
PB-212	NOT FOUND/DATA for 238.63 keV			8.76E-001	2.74E-001	5.70E-001
BI-214	8.10E-001	8.86E-001	3.49E-001	FOUND		
PB-214	6.37E-001	2.44E-001	4.77E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			8.12E-001	2.24E+000	4.07E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.34E+000	6.18E-001	1.44E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.02E+000	3.66E+001	6.91E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.52E+000	3.30E+000	6.19E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-3.87E-001	3.53E-001	4.90E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			7.07E+000	1.72E+001	3.65E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.86E+000	1.67E+000	3.18E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.17E+002	3.11E+002	6.28E+002
U-235	NOT FOUND/DATA for 185.71 keV			7.24E-002	1.26E-001	2.43E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.86E+000	1.67E+000	3.18E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.65E-001	5.79E-001	1.15E+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-0503-108
Sample Title: B-5 H/W LINE BOTTOM TRENCH #21
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.256E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 4:28:44 PM
Live Time: 528.9 seconds
Real Time: 529.6 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	2.06E+001	1.43E+001	3.26E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-4.17E-002	1.39E-001	2.19E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.39E-003	9.56E-002	1.66E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		6.79E-003	1.82E-001	1.50E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.00E-002	2.55E-001	4.67E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.96E-003	8.91E-002	1.80E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.48E-001	3.08E-001	5.04E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-8.11E-002	1.07E-001	1.74E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.32E-001	1.11E-001	2.69E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.10E-001	1.72E-001	3.87E-001
PB-212	9.41E-001	2.55E-001	5.06E-001	FOUND		
BI-214	7.80E-001	1.16E+000	4.87E-001	FOUND		
PB-214	8.75E-001	7.95E-001	4.34E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		7.61E-001	2.41E+000	4.47E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.16E-001	6.02E-001	1.41E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.55E+001	4.47E+001	7.59E+001
PA-231	NOT FOUND/DATA for	300.02 keV		5.41E-001	3.98E+000	6.64E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.40E-001	3.39E-001	6.25E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.88E+000	1.71E+001	3.71E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.05E-001	1.83E+000	3.23E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.88E+002	3.90E+002	6.89E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.01E-002	1.45E-001	2.75E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.05E-001	1.83E+000	3.23E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.89E-001	8.10E-001	1.39E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-109
Sample Title: B-5 H/W LINE BOTTOM TRENCH #22
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.183E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 4:38:14 PM
Live Time: 517.0 seconds
Real Time: 517.7 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	2.14E+001	5.48E+000	2.30E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			6.90E-002	1.07E-001	2.39E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.47E-002	1.04E-001	1.84E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-4.79E-002	1.03E-001	1.95E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.74E-001	5.51E-001	4.83E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.98E-002	9.72E-002	1.86E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.77E-001	3.03E-001	6.37E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.79E-002	9.98E-002	1.89E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-2.53E-002	1.42E-001	2.57E-001
TL-208	3.27E-001	1.41E-001	1.93E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			8.84E-001	2.87E-001	6.22E-001
BI-214	8.31E-001	3.20E-001	4.61E-001	FOUND		
PB-214	1.13E+000	5.16E-001	5.92E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.67E+000	2.45E+000	4.94E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.86E-001	6.10E-001	1.39E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.35E+001	4.07E+001	7.99E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.40E+000	4.14E+000	7.64E+000
PA-234	NOT FOUND/DATA for 98.44 keV			3.18E-002	3.88E-001	6.86E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.79E+001	1.65E+001	4.40E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.14E+000	1.94E+000	3.59E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.51E+002	3.87E+002	7.86E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.32E-001	1.54E-001	3.03E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.14E+000	1.94E+000	3.59E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.66E-001	6.66E-001	1.24E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-110
Sample Title: B-5 H/W LINE BOTTOM TRENCH #23
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.610E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 4:47:30 PM
Live Time: 552.6 seconds
Real Time: 553.4 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	2.48E+001	4.15E+000	2.14E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.11E-002	8.62E-002	2.00E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.08E-003	8.47E-002	1.45E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.28E-002	1.17E-001	2.44E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.63E-002	2.98E-001	5.67E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.83E-002	9.31E-002	1.94E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-7.85E-002	2.83E-001	5.14E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-9.04E-004	9.43E-002	1.84E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.93E-002	1.28E-001	2.62E-001
TL-208	3.98E-001	1.42E-001	1.95E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		8.92E-001	2.66E-001	5.74E-001
BI-214	NOT FOUND/DATA for	609.31 keV		5.42E-001	3.18E-001	6.99E-001
PB-214	NOT FOUND/DATA for	351.92 keV		7.22E-001	3.09E-001	6.87E-001
RA-226	NOT FOUND/DATA for	186.10 keV		1.51E+000	2.03E+000	4.03E+000
AC-228	NOT FOUND/DATA for	338.32 keV		7.92E-001	6.49E-001	1.43E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.72E+001	3.82E+001	6.80E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.59E+000	3.65E+000	6.86E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.79E-001	4.57E-001	6.66E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.21E+001	1.76E+001	4.50E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.12E-001	1.72E+000	3.14E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.29E+002	3.55E+002	7.07E+002
U-235	NOT FOUND/DATA for	185.71 keV		8.63E-002	1.25E-001	2.48E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.12E-001	1.72E+000	3.14E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.76E-001	6.34E-001	1.27E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-111
Sample Title: B-5 H/W LINE BOTTOM TRENCH #24
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.018E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 4:57:19 PM
Live Time: 471.0 seconds
Real Time: 471.8 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	2.45E+001	1.32E+001	3.37E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.76E-002	1.21E-001	2.22E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.06E-003	1.13E-001	1.95E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-1.44E-001	1.62E-001	2.01E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		5.84E-002	3.12E-001	6.21E-001
AG-110m	NOT FOUND/DATA for	937.49 keV		0.00E+000	0.00E+000	1.46E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.11E-001	3.26E-001	5.85E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-9.20E-002	1.52E-001	2.01E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-3.49E-002	1.09E-001	1.99E-001
TL-208	3.02E-001	1.61E-001	2.73E-001	FOUND		
PB-212	1.02E+000	2.77E-001	4.47E-001	FOUND		
BI-214	9.00E-001	3.56E-001	5.23E-001	FOUND		
PB-214	1.11E+000	1.27E+000	5.17E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.00E+000	2.27E+000	4.68E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.78E+000	7.74E-001	1.89E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.99E+001	5.19E+001	8.65E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.01E+000	4.24E+000	8.01E+000
PA-234	NOT FOUND/DATA for	883.24 keV		-3.68E-001	1.10E+000	8.67E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.70E+000	1.45E+001	3.54E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.48E+000	2.15E+000	4.19E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.07E+002	3.86E+002	7.82E+002
U-235	NOT FOUND/DATA for	185.71 keV		3.68E-002	1.40E-001	2.72E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.48E+000	2.15E+000	4.19E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.35E-001	7.95E-001	1.58E+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-0503-112
Sample Title: B-5 H/W LINE BOTTOM TRENCH #25
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.312E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/23/2005 5:05:47 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	2.00E+001	1.30E+001	2.92E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.89E-002	7.91E-002	1.92E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.43E-002	8.96E-002	1.52E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-3.76E-002	9.49E-002	1.65E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.33E-001	2.55E-001	3.74E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			5.08E-003	1.05E-001	2.03E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.59E-002	2.51E-001	4.93E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.72E-001	1.60E-001	1.52E-001
CS-137	NOT FOUND/DATA for 661.66 keV			0.00E+000	1.28E-001	2.35E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.43E-001	1.58E-001	3.60E-001
PB-212	NOT FOUND/DATA for 238.63 keV			7.91E-001	2.63E-001	5.58E-001
BI-214	1.19E+000	1.42E+000	3.68E-001	FOUND		
PB-214	8.21E-001	7.32E-001	3.79E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.30E+000	2.12E+000	4.39E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.47E+000	6.88E-001	1.59E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.30E+001	4.26E+001	7.34E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.04E+000	3.92E+000	7.16E+000
PA-234	NOT FOUND/DATA for 131.20 keV			3.59E-001	4.38E-001	7.22E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			6.19E-001	1.39E+001	2.98E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.81E+000	1.80E+000	3.40E+000
U-234	NOT FOUND/DATA for 53.20 keV			-3.24E+002	3.39E+002	5.31E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.12E-001	1.34E-001	2.76E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.81E+000	1.80E+000	3.40E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.60E-001	6.30E-001	1.12E+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-0503-113
Sample Title: SPOILS PILE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.284E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/25/2005 7:51:36 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	2.43E+001	1.46E+001	3.64E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		8.48E-002	1.05E-001	2.49E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.05E-003	1.02E-001	1.76E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		6.42E-002	1.44E-001	3.17E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.78E-001	4.04E-001	3.92E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.85E-002	1.28E-001	2.18E-001
SB-125	NOT FOUND/DATA for	427.89 keV		5.74E-002	3.17E-001	5.74E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.98E-002	1.31E-001	2.22E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-2.07E-002	1.21E-001	1.74E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.84E-001	2.15E-001	4.57E-001
PB-212	NOT FOUND/DATA for	238.63 keV		1.01E+000	3.41E-001	7.04E-001
BI-214	8.96E-001	3.33E-001	4.82E-001	FOUND		
PB-214	6.56E-001	2.88E-001	5.39E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.32E+000	2.74E+000	5.47E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.64E+000	6.65E-001	1.66E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.52E+001	4.42E+001	8.54E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.80E-001	3.96E+000	7.15E+000
PA-234	NOT FOUND/DATA for	98.44 keV		3.88E-002	4.36E-001	7.65E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.56E+001	1.87E+001	4.57E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.23E+000	2.19E+000	4.08E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.44E+002	3.78E+002	6.36E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.02E-002	1.62E-001	3.05E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.23E+000	2.19E+000	4.08E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.93E-001	7.34E-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-0503-114
Sample Title: SPOILS PILE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.061E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/25/2005 8:05:23 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	2.15E+001	1.15E+001	2.75E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.44E-003	1.01E-001	1.99E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.36E-002	9.14E-002	1.64E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			2.33E-002	1.20E-001	2.54E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.20E-001	2.44E-001	5.40E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	2.12E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.01E-001	2.39E-001	4.37E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-6.74E-002	1.36E-001	1.90E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.06E-002	1.23E-001	2.34E-001
TL-208	NOT FOUND/DATA for 583.19 keV			1.54E-001	1.67E-001	3.41E-001
PB-212	NOT FOUND/DATA for 238.63 keV			6.79E-001	2.66E-001	5.56E-001
BI-214	6.06E-001	1.78E+000	4.67E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			9.46E-001	3.26E-001	7.37E-001
RA-226	NOT FOUND/DATA for 186.10 keV			2.49E+000	2.45E+000	4.83E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.64E-001	5.59E-001	1.33E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-3.49E+001	3.85E+001	6.34E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.78E-001	3.88E+000	6.91E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.40E-001	4.03E-001	6.26E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			8.93E+000	1.51E+001	3.62E+001
TH-234	1.47E+000	5.05E-001	2.77E+000	FOUND		
U-234	NOT FOUND/DATA for 53.20 keV			6.69E+001	3.57E+002	6.89E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.39E-001	1.46E-001	2.89E-001
U-238	1.47E+000	5.04E-001	2.77E+000	FOUND		
AM-241	NOT FOUND/DATA for 59.54 keV			-2.55E-001	7.22E-001	1.30E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-115
Sample Title: SPOILS PILE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.327E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/25/2005 8:17:22 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	1.86E+001	1.21E+001	2.87E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			7.02E-002	9.65E-002	2.23E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.69E-002	8.58E-002	1.59E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.46E-002	8.96E-002	2.14E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-9.14E-002	2.36E-001	4.10E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-6.41E-003	7.20E-002	1.47E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.05E-001	2.72E-001	5.53E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-9.41E-002	1.03E-001	1.32E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.53E-002	1.20E-001	2.51E-001
TL-208	2.98E-001	3.47E-002	1.99E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			6.88E-001	2.67E-001	5.55E-001
BI-214	1.10E+000	1.04E+000	4.61E-001	FOUND		
PB-214	1.12E+000	3.07E-001	5.12E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.33E+000	2.18E+000	4.21E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.14E+000	6.24E-001	1.44E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.96E+001	4.02E+001	7.86E+001
PA-231	NOT FOUND/DATA for 300.02 keV			6.78E-001	3.24E+000	5.91E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-4.33E-001	4.59E-001	5.65E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-4.02E+000	1.37E+001	2.66E+001
TH-234	NOT FOUND/DATA for 92.60 keV			8.43E-001	1.78E+000	3.21E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.11E+002	3.63E+002	7.10E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.42E-001	1.29E-001	2.61E-001
U-238	NOT FOUND/DATA for 92.60 keV			8.43E-001	1.78E+000	3.21E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.96E-001	6.26E-001	1.14E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-116
Sample Title: SPOILS PILE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.882E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/25/2005 8:38:41 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	2.40E+001	1.42E+001	3.59E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	3.24E-002	1.07E-001	2.27E-001
CO-57	NOT FOUND/DATA for		122.06 keV	-9.29E-002	1.18E-001	1.71E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	1.20E-001	1.18E-001	3.00E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	1.14E-001	1.67E-001	4.36E-001
AG-110m	NOT FOUND/DATA for		884.68 keV	4.91E-003	9.78E-002	2.11E-001
SB-125	NOT FOUND/DATA for		427.89 keV	-1.01E-001	2.84E-001	4.48E-001
CS-134	NOT FOUND/DATA for		604.70 keV	5.07E-002	9.80E-002	2.10E-001
CS-137	NOT FOUND/DATA for		661.66 keV	1.02E-001	1.29E-001	2.83E-001
TL-208	NOT FOUND/DATA for		583.19 keV	3.15E-001	1.78E-001	3.87E-001
PB-212	NOT FOUND/DATA for		238.63 keV	1.08E+000	3.07E-001	6.48E-001
BI-214	7.27E-001	3.04E-001	5.87E-001	FOUND		
PB-214	1.02E+000	1.15E+000	4.28E-001	FOUND		
RA-226	NOT FOUND/DATA for		186.10 keV	2.55E+000	2.49E+000	4.87E+000
AC-228	NOT FOUND/DATA for		911.21 keV	1.37E+000	6.26E-001	1.51E+000
TH-230	NOT FOUND/DATA for		67.67 keV	-3.23E+000	4.04E+001	7.44E+001
PA-231	NOT FOUND/DATA for		300.02 keV	2.26E+000	3.80E+000	7.09E+000
PA-234	NOT FOUND/DATA for		131.20 keV	-3.36E-001	4.51E-001	6.28E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	9.26E+000	1.73E+001	3.95E+001
TH-234	NOT FOUND/DATA for		92.60 keV	1.63E+000	1.90E+000	3.56E+000
U-234	NOT FOUND/DATA for		53.20 keV	8.95E+001	3.89E+002	7.44E+002
U-235	NOT FOUND/DATA for		185.71 keV	1.73E-001	1.46E-001	2.94E-001
U-238	NOT FOUND/DATA for		92.60 keV	1.63E+000	1.90E+000	3.56E+000
AM-241	NOT FOUND/DATA for		59.54 keV	-2.96E-001	7.17E-001	1.27E+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-0503-127
Sample Title: B-5 NW H/W TRENCH SPOILS #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.548E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/24/2005 1:38:14 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	2.05E+001	7.77E+000	2.46E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-5.40E-003	6.36E-002	1.24E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.17E-002	6.91E-002	1.22E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-7.67E-004	7.21E-002	1.51E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-6.01E-002	1.99E-001	3.66E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		3.49E-002	7.17E-002	1.50E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.30E-002	2.15E-001	3.67E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.46E-002	7.27E-002	1.31E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.81E-002	8.71E-002	1.81E-001
TL-208	3.87E-001	1.15E-001	1.53E-001	FOUND		
PB-212	8.76E-001	1.86E-001	4.20E-001	FOUND		
BI-214	7.95E-001	5.82E-001	3.29E-001	FOUND		
PB-214	4.83E-001	2.77E-001	3.74E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		5.14E-001	1.59E+000	2.96E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.28E+000	4.78E-001	1.12E+000
TH-230	NOT FOUND/DATA for	67.67 keV		3.64E+000	3.06E+001	5.70E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-2.29E+000	3.01E+000	4.44E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.15E-002	3.19E-001	5.33E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.36E-001	1.58E+001	2.90E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-2.13E-001	1.50E+000	2.50E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.22E+001	2.88E+002	5.13E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.09E-003	1.01E-001	1.83E-001
U-238	NOT FOUND/DATA for	92.60 keV		-2.13E-001	1.50E+000	2.50E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.28E-002	4.86E-001	8.88E-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-0503-128
Sample Title: B-5 NW H/W TRENCH SPOILS #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.630E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/24/2005 2:01:30 PM
Live Time: 900.0 seconds
Real Time: 901.2 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	2.29E+001	7.18E+000	1.39E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-3.41E-003	7.45E-002	1.26E-001
CO-57	NOT FOUND/DATA for 122.06 keV			9.00E-003	5.95E-002	1.03E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			4.22E-002	6.61E-002	1.51E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.13E-001	2.37E-001	3.20E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.21E-002	7.61E-002	1.46E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-8.12E-002	1.83E-001	3.13E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-3.18E-002	7.93E-002	1.22E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.74E-002	7.44E-002	1.54E-001
TL-208	NOT FOUND/DATA for 583.19 keV			1.26E-001	1.05E-001	2.15E-001
PB-212	7.85E-001	2.87E-001	3.52E-001	FOUND		
BI-214	5.87E-001	1.92E-001	2.82E-001	FOUND		
PB-214	6.26E-001	2.39E-001	3.31E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.11E+000	1.67E+000	3.24E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.06E-001	4.11E-001	9.42E-001
TH-230	NOT FOUND/DATA for 67.67 keV			-3.14E+000	2.68E+001	4.89E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.51E+000	2.69E+000	4.76E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.23E-002	2.89E-001	4.85E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.50E+000	1.17E+001	2.44E+001
TH-234	NOT FOUND/DATA for 92.60 keV			6.69E-001	1.27E+000	2.24E+000
U-234	NOT FOUND/DATA for 53.20 keV			-9.82E+000	2.64E+002	4.38E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.05E-001	1.01E-001	1.94E-001
U-238	NOT FOUND/DATA for 92.60 keV			6.69E-001	1.27E+000	2.24E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.38E-001	4.31E-001	7.55E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-129
Sample Title: B-5 NW H/W TRENCH SPOILS #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.590E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/24/2005 2:27:53 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	2.41E+001	8.49E+000	2.21E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.69E-002	7.59E-002	1.60E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.15E-003	7.53E-002	1.26E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.82E-003	8.12E-002	1.72E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.80E-002	2.21E-001	4.04E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-8.55E-002	8.97E-002	1.25E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.27E-002	1.92E-001	3.56E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.55E-002	1.01E-001	1.08E-001
CS-137	NOT FOUND/DATA for 661.66 keV			8.26E-002	8.45E-002	1.84E-001
TL-208	2.91E-001	3.22E-001	1.56E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			8.75E-001	2.11E-001	4.43E-001
BI-214	1.04E+000	6.59E-001	2.95E-001	FOUND		
PB-214	6.80E-001	2.08E-001	3.11E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.16E+000	1.67E+000	3.32E+000
AC-228	NOT FOUND/DATA for 911.21 keV			5.85E-001	4.45E-001	9.57E-001
TH-230	NOT FOUND/DATA for 67.67 keV			1.22E+001	2.98E+001	5.67E+001
PA-231	NOT FOUND/DATA for 300.02 keV			8.17E-001	2.65E+000	4.71E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-9.72E-002	3.05E-001	5.02E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.21E+000	1.24E+001	2.52E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.03E+000	1.45E+000	2.60E+000
U-234	NOT FOUND/DATA for 53.20 keV			-7.02E+001	2.88E+002	5.17E+002
U-235	NOT FOUND/DATA for 185.71 keV			4.33E-002	1.02E-001	1.91E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.03E+000	1.45E+000	2.60E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.77E-001	4.80E-001	8.59E-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-0503-130
Sample Title: B-5 NW H/W TRENCH SPOILS #4
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.178E+002 g
Sample Taken On: 3/24/2005 11:15:00 AM
Acquisition Started: 3/24/2005 3:52:53 PM
Live Time: 600.0 seconds
Real Time: 600.9 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	2.41E+001	1.11E+001	2.14E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.21E-002	9.15E-002	1.99E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.07E-002	8.73E-002	1.56E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		5.24E-002	1.17E-001	2.55E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.67E-002	2.44E-001	4.85E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		8.28E-003	8.88E-002	1.74E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.36E-001	2.74E-001	4.82E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.23E-002	9.10E-002	1.70E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.14E-001	9.10E-002	2.17E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.47E-001	1.60E-001	3.54E-001
PB-212	NOT FOUND/DATA for	238.63 keV		8.50E-001	2.67E-001	5.54E-001
BI-214	8.57E-001	4.20E-001	3.46E-001	FOUND		
PB-214	7.55E-001	2.53E-001	4.25E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.57E+000	2.23E+000	4.40E+000
AC-228	NOT FOUND/DATA for	911.21 keV		7.90E-001	5.66E-001	1.25E+000
TH-230	NOT FOUND/DATA for	67.67 keV		9.74E+000	3.83E+001	7.22E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-2.73E-001	3.40E+000	5.88E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.26E-002	3.40E-001	5.94E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.82E+000	1.50E+001	3.33E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.63E-001	1.67E+000	2.87E+000
U-234	NOT FOUND/DATA for	53.20 keV		-3.93E+001	2.94E+002	5.51E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.32E-002	1.36E-001	2.49E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.63E-001	1.67E+000	2.87E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-6.28E-001	6.00E-001	8.91E-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-0503-131
Sample Title: SPOILS PILE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.588E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/25/2005 7:29:53 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	2.40E+001	3.72E+000	2.95E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.68E-002	8.67E-002	1.90E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-5.45E-002	8.74E-002	1.40E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		3.66E-002	1.31E-001	2.62E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.97E-001	2.75E-001	4.00E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		5.47E-002	9.32E-002	1.98E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.08E-001	2.53E-001	4.20E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.70E-002	8.57E-002	1.37E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-8.20E-002	1.09E-001	1.69E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.02E-001	1.49E-001	3.44E-001
PB-212	NOT FOUND/DATA for	238.63 keV		9.00E-001	2.54E-001	5.35E-001
BI-214	8.15E-001	9.89E-001	3.57E-001	FOUND		
PB-214	8.62E-001	7.65E-001	4.32E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.45E+000	2.05E+000	3.94E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.21E-001	4.85E-001	1.16E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-6.67E+000	3.23E+001	5.86E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.45E+000	3.01E+000	5.60E+000
PA-234	NOT FOUND/DATA for	926.00 keV		-3.75E-001	7.08E-001	7.87E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		7.68E+000	1.53E+001	3.35E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.01E+000	1.71E+000	2.99E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.44E+002	2.94E+002	5.96E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.68E-002	1.23E-001	2.33E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.01E+000	1.71E+000	2.99E+000
AM-241	NOT FOUND/DATA for	59.54 keV		6.25E-001	6.46E-001	1.29E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-132
Sample Title: SPOILS PILE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.558E+002 g
Sample Taken On: 3/23/2005 11:15:00 AM
Acquisition Started: 3/25/2005 7:40:59 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	2.43E+001	1.23E+001	2.64E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.01E-002	9.24E-002	1.97E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.42E-002	8.51E-002	1.41E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-1.80E-002	1.12E-001	2.26E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.36E-002	2.23E-001	4.27E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-6.52E-002	9.31E-002	1.53E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-7.58E-003	2.58E-001	4.93E-001
CS-134	NOT FOUND/DATA for 604.70 keV			4.58E-002	1.04E-001	2.09E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-2.65E-004	1.37E-001	2.35E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.01E-001	1.62E-001	3.57E-001
PB-212	8.21E-001	2.03E-001	3.42E-001	FOUND		
BI-214	8.06E-001	2.98E-001	4.78E-001	FOUND		
PB-214	7.52E-001	6.04E-001	4.54E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			8.87E-001	2.11E+000	3.87E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.01E+000	5.72E-001	1.34E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-8.69E+000	3.72E+001	6.54E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.38E+000	3.33E+000	6.26E+000
PA-234	NOT FOUND/DATA for 883.24 keV			-3.00E-001	5.97E-001	7.97E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.29E+001	1.82E+001	4.18E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.74E-001	1.63E+000	2.85E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.30E+002	3.85E+002	6.44E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.85E-002	1.25E-001	2.30E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.74E-001	1.63E+000	2.85E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-4.55E-001	6.09E-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-0503-147
Sample Title: b-5 nw trench spoils pile
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.473E+002 G
Sample Taken On: 3/24/2005 11:15:00 AM
Acquisition Started: 3/28/2005 7:23:39 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	1.62E+001	8.40E+000	2.08E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.33E-002	7.41E-002	1.30E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.41E-002	7.40E-002	1.23E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-5.81E-003	9.14E-002	1.81E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.55E-003	1.93E-001	3.65E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.02E-002	8.18E-002	1.38E-001
SB-125	NOT FOUND/DATA for	427.89 keV		4.95E-002	2.23E-001	4.17E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.13E-002	7.96E-002	1.24E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.27E-001	9.27E-002	2.16E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.29E-001	1.20E-001	2.68E-001
PB-212	5.42E-001	1.63E-001	3.14E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		7.23E-001	2.87E-001	6.42E-001
PB-214	4.44E-001	1.93E-001	3.39E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.77E+000	1.98E+000	3.82E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.18E+000	4.67E-001	1.15E+000
TH-230	NOT FOUND/DATA for	67.67 keV		9.55E+000	2.96E+001	5.75E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.10E-001	2.51E+000	4.57E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.14E-001	2.89E-001	4.73E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.66E+000	1.49E+001	2.70E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-3.61E-001	1.39E+000	2.32E+000
U-234	NOT FOUND/DATA for	53.20 keV		-3.96E+001	2.44E+002	4.55E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.32E-003	1.20E-001	2.17E-001
U-238	NOT FOUND/DATA for	92.60 keV		-3.61E-001	1.39E+000	2.32E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-5.41E-002	5.38E-001	9.86E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-148
Sample Title: b-5 nw trench spoils pile
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.823E+002 G
Sample Taken On: 3/24/2005 11:15:00 AM
Acquisition Started: 3/28/2005 7:36:17 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	2.59E+001	1.39E+001	2.50E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.92E-002	1.24E-001	2.18E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.45E-003	9.25E-002	1.59E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-3.24E-002	1.02E-001	2.00E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.28E-001	4.78E-001	2.73E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-7.59E-002	7.55E-002	1.14E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.24E-001	2.25E-001	4.77E-001
CS-134	NOT FOUND/DATA for	604.70 keV		3.68E-002	1.07E-001	1.96E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.06E-002	9.27E-002	2.12E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.03E-001	1.62E-001	3.70E-001
PB-212	1.24E+000	5.98E-001	6.35E-001	FOUND		
BI-214	8.50E-001	2.80E-001	4.29E-001	FOUND		
PB-214	9.25E-001	1.97E-001	4.73E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		6.63E-001	2.28E+000	4.25E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.01E+000	5.76E-001	1.33E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-3.24E+001	3.92E+001	6.54E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.55E+000	3.69E+000	6.78E+000
PA-234	NOT FOUND/DATA for	98.44 keV		4.49E-001	3.98E-001	7.30E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		9.55E+000	1.31E+001	3.27E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.60E+000	1.90E+000	3.62E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.52E+002	3.22E+002	5.38E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.47E-002	1.37E-001	2.56E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.60E+000	1.90E+000	3.62E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.51E-001	6.69E-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: MAC-0503-149
Sample Title: NW TRENCH SPOIL PILE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.289E+002 G
Sample Taken On: 3/24/2005 11:15:00 AM
Acquisition Started: 3/28/2005 10:38:49 AM
Live Time: 600.0 seconds
Real Time: 600.9 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	2.13E+001	3.35E+000	2.73E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.59E-002	8.30E-002	1.77E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-5.64E-003	8.05E-002	1.36E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.02E-001	1.03E-001	2.45E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.94E-001	2.11E-001	2.98E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.04E-001	8.50E-002	1.25E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-9.11E-002	2.18E-001	3.89E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-6.67E-003	9.04E-002	1.56E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.15E-002	1.17E-001	2.26E-001
TL-208	NOT FOUND/DATA for 583.19 keV			2.47E-001	1.31E-001	2.90E-001
PB-212	1.35E+000	4.56E-001	3.30E-001	FOUND		
BI-214	1.02E+000	9.42E-001	3.59E-001	FOUND		
PB-214	5.09E-001	1.75E-001	3.60E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			8.54E-001	1.81E+000	3.42E+000
AC-228	NOT FOUND/DATA for 911.21 keV			6.04E-001	4.46E-001	1.01E+000
TH-230	NOT FOUND/DATA for 67.67 keV			5.04E+000	3.08E+001	5.78E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.98E+000	3.33E+000	6.06E+000
PA-234	NOT FOUND/DATA for 131.20 keV			1.09E-001	3.21E-001	5.58E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			4.82E+000	1.52E+001	3.25E+001
TH-234	NOT FOUND/DATA for 92.60 keV			5.25E-001	1.57E+000	2.76E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.77E+001	3.23E+002	5.94E+002
U-235	NOT FOUND/DATA for 185.71 keV			9.28E-002	1.08E-001	2.12E-001
U-238	NOT FOUND/DATA for 92.60 keV			5.25E-001	1.57E+000	2.76E+000
AM-241	NOT FOUND/DATA for 59.54 keV			3.15E-001	5.58E-001	1.10E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-150
Sample Title: NW TRENCH SPOIL PILE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.368E+002 G
Sample Taken On: 3/24/2005 11:15:00 AM
Acquisition Started: 3/28/2005 10:52:25 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	1.93E+001	9.79E+000	2.72E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.83E-002	8.13E-002	1.48E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.85E-002	8.84E-002	1.51E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		3.81E-002	8.71E-002	2.02E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.96E-002	2.17E-001	3.88E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.57E-003	8.85E-002	1.65E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-9.15E-002	2.55E-001	4.46E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.89E-002	8.78E-002	1.41E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.57E-002	1.19E-001	2.51E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.54E-001	1.52E-001	3.43E-001
PB-212	7.53E-001	5.66E-001	3.62E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		4.96E-001	2.93E-001	6.22E-001
PB-214	7.46E-001	5.96E+000	3.85E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		4.21E-001	1.94E+000	3.61E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.93E-001	5.14E-001	1.12E+000
TH-230	NOT FOUND/DATA for	67.67 keV		9.85E+000	3.30E+001	6.32E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.84E+000	2.71E+000	5.18E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.76E-001	3.47E-001	5.28E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.11E+001	1.43E+001	3.44E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.36E-001	1.72E+000	3.00E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.76E+002	2.96E+002	5.92E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.27E-002	1.21E-001	2.27E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.36E-001	1.72E+000	3.00E+000
AM-241	NOT FOUND/DATA for	59.54 keV		8.96E-002	5.79E-001	1.10E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-151
Sample Title: NW TRENCH SPOIL PILE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.110E+002 G
Sample Taken On: 3/24/2005 11:15:00 AM
Acquisition Started: 3/28/2005 11:06:30 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	1.61E+001	2.93E+000	2.00E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.79E-002	8.60E-002	1.72E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-9.67E-003	8.23E-002	1.39E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			5.38E-002	7.39E-002	1.88E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.24E-002	1.72E-001	3.32E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	1.65E-001
SB-125	NOT FOUND/DATA for 427.89 keV			6.11E-002	2.00E-001	4.09E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.60E-002	7.93E-002	1.29E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.33E-002	1.05E-001	2.19E-001
TL-208	NOT FOUND/DATA for 583.19 keV			9.82E-002	1.11E-001	2.32E-001
PB-212	NOT FOUND/DATA for 238.63 keV			4.22E-001	1.93E-001	4.00E-001
BI-214	4.45E-001	5.79E-001	3.32E-001	FOUND		
PB-214	5.18E-001	2.03E-001	3.40E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.27E+000	1.74E+000	3.55E+000
AC-228	NOT FOUND/DATA for 911.21 keV			3.94E-001	3.67E-001	8.54E-001
TH-230	NOT FOUND/DATA for 67.67 keV			1.02E+001	3.08E+001	5.98E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-1.14E-001	2.79E+000	4.93E+000
PA-234	NOT FOUND/DATA for 98.44 keV			9.26E-003	2.92E-001	5.10E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.18E+000	1.05E+001	2.39E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.82E+000	1.46E+000	2.82E+000
U-234	NOT FOUND/DATA for 53.20 keV			-5.57E+001	2.88E+002	5.25E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.71E-002	1.06E-001	2.00E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.82E+000	1.46E+000	2.82E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-7.37E-002	5.83E-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-0503-166
Sample Title: B-5 H/W TRENCK N. WING
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.641E+002 G
Sample Taken On: 3/29/2005 11:15:00 AM
Acquisition Started: 3/29/2005 5:28:22 PM
Live Time: 600.0 seconds
Real Time: 600.5 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	2.18E+001	1.11E+001	2.59E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-6.11E-003	8.93E-002	1.72E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.76E-002	9.31E-002	1.49E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.96E-002	8.80E-002	1.84E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-6.50E-002	2.58E-001	4.48E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		6.80E-003	8.79E-002	1.78E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.23E-002	2.38E-001	4.72E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-9.30E-002	9.27E-002	1.45E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.16E-002	1.02E-001	2.25E-001
TL-208	2.38E-001	1.23E-001	2.24E-001	FOUND		
PB-212	8.24E-001	2.20E-001	3.79E-001	FOUND		
BI-214	7.89E-001	2.76E-001	3.04E-001	FOUND		
PB-214	7.13E-001	2.18E-001	4.68E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.53E+000	2.01E+000	3.96E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.01E+000	5.96E-001	1.36E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.63E+001	4.10E+001	7.23E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.11E+000	3.17E+000	5.88E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.80E-002	3.78E-001	6.49E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.32E+001	1.62E+001	2.55E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.01E-001	1.57E+000	2.82E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.10E+001	2.78E+002	5.23E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.08E-001	1.19E-001	2.38E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.01E-001	1.57E+000	2.82E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-6.30E-001	7.00E-001	1.00E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-167
Sample Title: B-5 H/W TRENCH N. WING
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.488E+002 G
Sample Taken On: 3/29/2005 11:15:00 AM
Acquisition Started: 3/29/2005 5:47:46 PM
Live Time: 600.0 seconds
Real Time: 600.6 seconds
Dead Time: 0.09 %
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	2.72E+001	1.36E+001	2.95E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.31E-002	1.04E-001	1.64E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.24E-002	9.38E-002	1.68E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		1.26E-002	1.09E-001	2.25E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.14E-002	2.06E-001	4.29E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.20E-002	1.12E-001	1.90E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.38E-001	2.54E-001	5.27E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.85E-002	1.04E-001	1.64E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.17E-001	1.20E-001	2.67E-001
TL-208	3.43E-001	1.42E-001	2.55E-001	FOUND		
PB-212	9.81E-001	2.46E-001	4.18E-001	FOUND		
BI-214	7.66E-001	2.90E-001	4.56E-001	FOUND		
PB-214	9.91E-001	1.03E+000	4.36E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.33E+000	2.11E+000	4.20E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.57E-002	2.20E-001	1.30E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.33E+001	3.85E+001	6.95E+001
PA-231	NOT FOUND/DATA for	300.02 keV		6.51E-001	3.47E+000	6.21E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-7.60E-002	3.84E-001	6.35E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.34E+000	1.51E+001	2.91E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.19E+000	1.93E+000	3.32E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.14E+002	3.07E+002	6.14E+002
U-235	NOT FOUND/DATA for	185.71 keV		8.84E-002	1.30E-001	2.53E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.19E+000	1.93E+000	3.32E+000
AM-241	NOT FOUND/DATA for	59.54 keV		0.00E+000	6.51E-001	1.23E+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-0503-168
Sample Title: B-5 H/W TRENCH N. WING
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.058E+002 G
Sample Taken On: 3/29/2005 11:15:00 AM
Acquisition Started: 3/29/2005 5:55:48 PM
Live Time: 600.0 seconds
Real Time: 600.6 seconds
Dead Time: 0.09 %
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	2.36E+001	3.87E+000	3.10E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.12E-002	7.31E-002	1.84E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.23E-001	9.09E-002	1.32E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.05E-001	1.08E-001	2.69E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.77E-002	1.82E-001	3.71E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.41E-002	8.45E-002	1.61E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-6.43E-002	2.62E-001	4.76E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.29E-002	1.01E-001	1.73E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.40E-001	1.19E-001	2.66E-001
TL-208	3.91E-001	3.93E-001	1.68E-001	FOUND		
PB-212	1.40E+000	6.05E-001	3.96E-001	FOUND		
BI-214	9.01E-001	8.81E-001	3.57E-001	FOUND		
PB-214	4.48E-001	2.33E-001	4.32E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.39E+000	2.11E+000	4.05E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.48E-001	5.90E-001	1.31E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.45E+001	3.45E+001	6.14E+001
PA-231	NOT FOUND/DATA for	302.65 keV		-4.35E+000	5.38E+000	6.91E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.15E-001	3.39E-001	6.03E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.06E+000	1.39E+001	3.17E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.97E-001	1.78E+000	3.18E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.65E+001	2.85E+002	5.35E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.21E-001	1.26E-001	2.49E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.97E-001	1.78E+000	3.18E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.25E-001	5.86E-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 *****
****

Site Location: CE Windsor
Sample ID: MAC-0503-169
Sample Title: B-5 H/W TRENCH N. WING
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.676E+002 G
Sample Taken On: 3/29/2005 11:15:00 AM
Acquisition Started: 3/29/2005 6:08:44 PM
Live Time: 600.0 seconds
Real Time: 600.4 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	2.57E+001	1.25E+001	2.27E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.85E-003	1.15E-001	2.21E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.84E-003	8.10E-002	1.40E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			1.19E-001	1.33E-001	3.03E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.61E-001	2.62E-001	4.19E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-6.65E-002	1.15E-001	1.78E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-3.47E-002	2.57E-001	4.85E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.71E-002	9.25E-002	1.75E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.76E-001	1.28E-001	2.92E-001
TL-208	3.03E-001	4.74E-001	1.82E-001	FOUND		
PB-212	8.58E-001	2.29E-001	3.85E-001	FOUND		
BI-214	7.09E-001	2.79E-001	4.08E-001	FOUND		
PB-214	8.17E-001	2.78E-001	4.98E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.56E+000	2.29E+000	4.40E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.12E+000	5.76E-001	1.36E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.05E+001	4.00E+001	7.20E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.11E-001	2.95E+000	5.42E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.27E-001	4.01E-001	6.56E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.49E-001	2.20E+001	4.28E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.55E-001	1.83E+000	3.11E+000
U-234	NOT FOUND/DATA for 53.20 keV			5.09E+000	3.75E+002	6.88E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.06E-002	1.38E-001	2.54E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.55E-001	1.83E+000	3.11E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.76E-001	6.27E-001	1.22E+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-0503-170
Sample Title: B-5 H/W TRENCH N. WING FSS SOIL SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.890E+002 G
Sample Taken On: 3/29/2005 11:15:00 AM
Acquisition Started: 3/30/2005 6:43:14 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	2.39E+001	3.79E+000	2.25E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.05E-002	9.19E-002	1.98E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.46E-003	8.56E-002	1.46E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		3.28E-001	1.92E-001	4.33E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.29E-001	2.66E-001	4.59E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-5.98E-002	1.05E-001	1.84E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.35E-002	2.31E-001	4.09E-001
CS-134	NOT FOUND/DATA for	604.70 keV		8.03E-003	9.69E-002	1.89E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.22E-002	1.16E-001	2.33E-001
TL-208	NOT FOUND/DATA for	583.19 keV		1.82E-001	1.50E-001	3.14E-001
PB-212	NOT FOUND/DATA for	238.63 keV		9.42E-001	2.59E-001	5.54E-001
BI-214	1.31E+000	6.88E-001	3.86E-001	FOUND		
PB-214	9.29E-001	1.90E-001	4.16E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.09E+000	2.30E+000	4.21E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.85E-001	6.18E-001	1.34E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.40E+001	3.79E+001	6.80E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.88E+000	3.52E+000	6.55E+000
PA-234	NOT FOUND/DATA for	98.44 keV		7.92E-002	3.20E-001	5.75E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.25E+001	2.00E+001	4.62E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.11E+000	1.76E+000	3.20E+000
U-234	NOT FOUND/DATA for	53.20 keV		-9.76E+001	3.63E+002	6.49E+002
U-235	NOT FOUND/DATA for	185.71 keV		7.06E-002	1.38E-001	2.61E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.11E+000	1.76E+000	3.20E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.05E-002	5.64E-001	1.06E+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 *****
****

Site Location: CE Windsor
Sample ID: MAC-0503-171
Sample Title: B-5 H/W TRENCH N. WING FSS SOIL SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.879E+002 G
Sample Taken On: 3/29/2005 11:15:00 AM
Acquisition Started: 3/30/2005 6:56:46 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	1.91E+001	8.90E+000	3.14E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.39E-003	8.83E-002	1.78E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.93E-003	8.53E-002	1.45E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			5.51E-002	1.31E-001	2.88E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.22E-001	2.30E-001	4.09E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-5.66E-002	9.11E-002	1.59E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.64E-001	2.50E-001	5.27E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.14E-002	9.35E-002	1.56E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.38E-002	9.73E-002	2.02E-001
TL-208	4.62E-001	1.50E-001	2.26E-001	FOUND		
PB-212	8.99E-001	6.82E-001	4.77E-001	FOUND		
BI-214	6.36E-001	2.41E-001	3.41E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			8.25E-001	2.87E-001	6.51E-001
RA-226	NOT FOUND/DATA for 186.10 keV			1.51E-002	2.07E+000	3.72E+000
AC-228	NOT FOUND/DATA for 911.21 keV			6.67E-001	5.29E-001	1.19E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.49E+001	3.78E+001	6.71E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-2.86E+000	3.58E+000	5.17E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.39E-001	4.19E-001	6.06E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			9.37E+000	1.85E+001	4.01E+001
TH-234	NOT FOUND/DATA for 92.60 keV			8.92E-001	1.85E+000	3.30E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.84E+002	3.56E+002	6.90E+002
U-235	NOT FOUND/DATA for 185.71 keV			9.81E-002	1.21E-001	2.38E-001
U-238	NOT FOUND/DATA for 92.60 keV			8.92E-001	1.85E+000	3.30E+000
AM-241	NOT FOUND/DATA for 59.54 keV			7.59E-002	6.59E-001	1.24E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0503-172
Sample Title: B-5 H/W TRENCH N. WING FSS SOIL SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.419E+002 G
Sample Taken On: 3/29/2005 11:15:00 AM
Acquisition Started: 3/30/2005 7:10:46 AM
Live Time: 600.0 seconds
Real Time: 600.8 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	1.97E+001	3.55E+000	2.51E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.44E-002	9.19E-002	1.78E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.10E-001	9.35E-002	1.39E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			7.67E-002	1.08E-001	2.64E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-6.16E-002	1.76E-001	3.31E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-6.78E-002	1.22E-001	2.00E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-6.88E-002	2.43E-001	4.52E-001
CS-134	NOT FOUND/DATA for 795.84 keV			-1.03E-001	1.18E-001	1.87E-001
CS-137	NOT FOUND/DATA for 661.66 keV			8.29E-002	1.02E-001	2.32E-001
TL-208	3.16E-001	1.31E-001	1.66E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			9.34E-001	2.89E-001	6.04E-001
BI-214	9.00E-001	3.02E-001	4.14E-001	FOUND		
PB-214	8.43E-001	7.48E-001	5.18E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.14E+000	2.16E+000	4.16E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.68E-001	5.41E-001	1.29E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-3.81E+001	3.74E+001	6.17E+001
PA-231	NOT FOUND/DATA for 300.02 keV			9.27E-001	3.24E+000	5.95E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-3.08E-002	3.67E-001	6.29E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.14E+001	1.91E+001	4.25E+001
TH-234	NOT FOUND/DATA for 92.60 keV			3.11E-001	1.65E+000	2.88E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.89E+001	3.58E+002	6.79E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.66E-002	1.33E-001	2.48E-001
U-238	NOT FOUND/DATA for 92.60 keV			3.11E-001	1.65E+000	2.88E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.17E-001	6.19E-001	1.20E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-173
Sample Title: B-5 H/W TRENCH N. WING FSS SOIL SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.180E+002 G
Sample Taken On: 3/29/2005 11:15:00 AM
Acquisition Started: 3/30/2005 6:19:21 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	2.35E+001	3.95E+000	2.76E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-5.02E-002	1.30E-001	2.36E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-4.65E-002	1.12E-001	1.69E-001
CO-60	1.49E+000	2.97E-001	3.00E-001	FOUND		
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.62E-001	2.74E-001	4.77E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			8.75E-002	1.30E-001	2.68E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.82E-002	2.74E-001	5.02E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.23E-002	1.10E-001	1.72E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.88E-001	1.50E-001	3.30E-001
TL-208	2.46E-001	1.75E-001	2.08E-001	FOUND		
PB-212	9.83E-001	2.59E-001	5.09E-001	FOUND		
BI-214	8.46E-001	1.20E+000	5.41E-001	FOUND		
PB-214	1.10E+000	2.93E-001	5.32E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			4.38E+000	2.61E+000	5.29E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.52E+000	7.80E-001	1.74E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.02E+001	4.29E+001	7.47E+001
PA-231	NOT FOUND/DATA for 300.02 keV			6.76E+000	4.85E+000	8.26E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.90E-001	4.27E-001	7.39E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.47E+000	2.24E+001	4.40E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.18E+000	1.95E+000	3.52E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.07E+001	3.39E+002	6.40E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.98E-001	1.56E-001	3.09E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.18E+000	1.95E+000	3.52E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-7.90E-002	6.74E-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: MAC-0503-174
Sample Title: B-5 H/W TRENCH N. WING FSS SOIL SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.399E+002 G
Sample Taken On: 3/29/2005 11:15:00 AM
Acquisition Started: 3/30/2005 7:36:07 AM
Live Time: 600.0 seconds
Real Time: 600.7 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	3.03E+001	1.42E+001	3.32E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.55E-002	1.13E-001	2.32E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-5.56E-002	9.30E-002	1.50E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		2.57E-002	1.31E-001	2.81E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		3.48E-002	2.26E-001	4.68E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.76E-002	8.51E-002	1.68E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.21E-001	3.00E-001	6.16E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.54E-004	1.17E-001	2.25E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.35E-002	1.23E-001	2.59E-001
TL-208	3.28E-001	4.28E-001	2.40E-001	FOUND		
PB-212	1.33E+000	6.20E-001	4.71E-001	FOUND		
BI-214	7.00E-001	3.12E-001	5.53E-001	FOUND		
PB-214	1.31E+000	3.51E-001	5.55E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.60E+000	2.39E+000	4.68E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.01E+000	6.85E-001	1.55E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-4.46E+000	3.98E+001	7.44E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.46E+000	3.70E+000	6.90E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-5.13E-001	5.76E-001	7.12E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.90E+000	1.86E+001	3.71E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.22E+000	2.04E+000	3.89E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.77E+002	4.02E+002	6.57E+002
U-235	NOT FOUND/DATA for	185.71 keV		-6.00E-002	1.50E-001	2.65E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.22E+000	2.04E+000	3.89E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-5.41E-002	6.78E-001	1.26E+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-0503-175
Sample Title: B-5 H/W TRENCH N. WING FSS SOIL SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.744E+002 G
Sample Taken On: 3/29/2005 11:15:00 AM
Acquisition Started: 3/30/2005 7:47:21 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	1.95E+001	3.49E+000	2.72E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.30E-002	9.67E-002	2.01E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.48E-002	9.20E-002	1.64E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			4.60E-002	8.86E-002	2.21E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-6.50E-002	2.48E-001	4.68E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-4.50E-002	1.05E-001	1.87E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-5.13E-002	2.35E-001	3.98E-001
CS-134	NOT FOUND/DATA for 795.84 keV			5.45E-003	8.94E-002	1.79E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.05E-003	1.13E-001	2.14E-001
TL-208	NOT FOUND/DATA for 583.19 keV			2.86E-001	1.63E-001	3.52E-001
PB-212	1.13E+000	5.85E-001	4.26E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			9.47E-001	3.46E-001	7.85E-001
PB-214	4.53E-001	2.32E-001	4.49E-001	FOUND		
RA-226	1.87E+000	1.43E+000	3.32E+000	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			1.12E+000	5.38E-001	1.30E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.05E+001	3.52E+001	6.03E+001
PA-231	NOT FOUND/DATA for 300.02 keV			6.35E-001	3.56E+000	6.30E+000
PA-234	NOT FOUND/DATA for 98.44 keV			5.56E-002	3.65E-001	6.21E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			9.65E+000	1.31E+001	3.30E+001
TH-234	NOT FOUND/DATA for 92.60 keV			4.55E-001	1.87E+000	3.26E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.44E+002	3.06E+002	6.06E+002
U-235	1.14E-001	8.69E-002	2.02E-001	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			4.55E-001	1.87E+000	3.26E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.65E-001	5.89E-001	1.15E+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-0503-203
Sample Title: NORTH TRENCH SECTION POST REMOVAL
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.228E+002 G
Sample Taken On: 3/31/2005 11:15:00 AM
Acquisition Started: 3/31/2005 2:29:15 PM
Live Time: 323.7 seconds
Real Time: 324.2 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	2.18E+001	2.43E+001	5.01E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			7.35E-002	1.08E-001	2.88E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.67E-001	1.40E-001	1.94E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-7.42E-002	1.74E-001	2.46E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.02E-001	3.04E-001	5.43E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	3.82E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.98E-001	3.75E-001	6.69E-001
CS-134	NOT FOUND/DATA for 604.70 keV			5.41E-003	1.09E-001	2.28E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.08E-001	1.93E-001	4.24E-001
TL-208	NOT FOUND/DATA for 583.19 keV			2.69E-001	2.13E-001	4.89E-001
PB-212	NOT FOUND/DATA for 238.63 keV			9.14E-001	3.52E-001	7.90E-001
BI-214	NOT FOUND/DATA for 609.31 keV			6.86E-001	4.35E-001	1.02E+000
PB-214	NOT FOUND/DATA for 351.92 keV			5.94E-001	4.37E-001	9.43E-001
RA-226	NOT FOUND/DATA for 186.10 keV			2.03E+000	2.88E+000	5.89E+000
AC-228	NOT FOUND/DATA for 338.32 keV			9.05E-001	1.08E+000	2.31E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.33E+001	4.20E+001	7.33E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-1.07E+000	4.89E+000	8.65E+000
PA-234	NOT FOUND/DATA for 883.24 keV			0.00E+000	0.00E+000	4.50E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			8.32E+000	2.07E+001	5.00E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-2.40E-001	2.52E+000	4.12E+000
U-234	NOT FOUND/DATA for 53.20 keV			-6.34E+001	4.52E+002	8.72E+002
U-235	NOT FOUND/DATA for 185.71 keV			9.23E-002	1.88E-001	3.71E-001
U-238	NOT FOUND/DATA for 92.60 keV			-2.40E-001	2.52E+000	4.12E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.44E-001	8.64E-001	1.76E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-204
Sample Title: NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.194E+002 G
Sample Taken On: 3/31/2005 11:15:00 AM
Acquisition Started: 3/31/2005 2:35:41 PM
Live Time: 412.0 seconds
Real Time: 412.6 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	2.10E+001	2.18E+001	3.60E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.10E-002	1.14E-001	2.48E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.22E-002	1.21E-001	2.23E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		8.79E-003	9.71E-002	2.45E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.82E-001	4.77E-001	4.28E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.49E-002	1.10E-001	1.99E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.48E-001	2.58E-001	4.03E-001
CS-134	NOT FOUND/DATA for	604.70 keV		2.97E-002	1.21E-001	2.49E-001
CS-137	NOT FOUND/DATA for	661.66 keV		6.69E-002	1.30E-001	2.93E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.07E-001	1.95E-001	4.44E-001
PB-212	NOT FOUND/DATA for	238.63 keV		8.86E-001	3.27E-001	7.11E-001
BI-214	NOT FOUND/DATA for	609.31 keV		8.16E-001	3.89E-001	9.25E-001
PB-214	NOT FOUND/DATA for	351.92 keV		5.00E-001	3.67E-001	7.88E-001
RA-226	NOT FOUND/DATA for	186.10 keV		1.69E-001	2.88E+000	5.37E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.33E+000	7.76E-001	1.86E+000
TH-230	NOT FOUND/DATA for	67.67 keV		4.14E+001	4.49E+001	9.64E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.31E+000	3.66E+000	7.05E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.16E-002	4.12E-001	7.41E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.25E+001	1.97E+001	4.81E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-1.03E+000	2.36E+000	3.72E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.85E+002	4.22E+002	6.88E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.16E-002	1.72E-001	3.31E-001
U-238	NOT FOUND/DATA for	92.60 keV		-1.03E+000	2.35E+000	3.72E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.45E-001	7.76E-001	1.59E+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-0503-205
Sample Title: NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.436E+002 G
Sample Taken On: 3/31/2005 11:15:00 AM
Acquisition Started: 3/31/2005 2:48:47 PM
Live Time: 322.3 seconds
Real Time: 322.8 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	1.82E+001	5.06E+000	5.40E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.18E-002	1.50E-001	3.30E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.69E-002	1.14E-001	1.90E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		6.52E-002	9.23E-002	3.03E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		9.51E-002	2.65E-001	6.14E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.50E-002	1.64E-001	2.68E-001
SB-125	NOT FOUND/DATA for	427.89 keV		4.19E-002	3.53E-001	6.95E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.90E-002	1.22E-001	2.22E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-5.13E-003	2.20E-001	3.43E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.99E-001	2.18E-001	4.99E-001
PB-212	NOT FOUND/DATA for	238.63 keV		1.01E+000	3.73E-001	8.21E-001
BI-214	NOT FOUND/DATA for	609.31 keV		1.15E+000	4.88E-001	1.18E+000
PB-214	1.12E+000	5.22E-001	4.35E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.22E-001	3.15E+000	5.96E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.47E-001	7.83E-001	1.89E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.09E+001	5.80E+001	9.88E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.53E+000	5.29E+000	1.02E+001
PA-234	NOT FOUND/DATA for	98.44 keV		2.52E-002	5.25E-001	9.34E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.13E+001	2.38E+001	4.21E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.89E+000	2.39E+000	4.67E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.77E+002	5.11E+002	9.14E+002
U-235	NOT FOUND/DATA for	185.71 keV		-1.32E-001	2.09E-001	3.36E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.89E+000	2.39E+000	4.67E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.38E-001	9.01E-001	1.55E+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-0503-206
Sample Title: B-5 NE H/W trench sample
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.492E+002 grams
Sample Taken On: 3/31/2005 12:00:00 AM
Acquisition Started: 3/31/2005 2:51:05 PM
Live Time: 478.2 seconds
Real Time: 478.3 seconds
Dead Time: 0.02 %
Efficiency ID: pint

	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	1.80E+001	6.73E+000	5.28E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-5.13E-002	1.37E-001	2.64E-001
CO-57	NOT FOUND/DATA for	122.06 keV		7.47E-002	9.13E-002	1.97E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-2.04E-003	2.43E-001	5.28E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-4.63E-002	4.35E-001	6.81E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.59E-002	1.99E-001	3.24E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.60E-001	3.46E-001	8.80E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.15E-002	1.54E-001	2.89E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-7.68E-002	1.71E-001	3.12E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.32E-001	2.88E-001	6.86E-001
PB-212	8.81E-001	1.11E+000	5.76E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		6.47E-001	3.91E-001	1.07E+000
PB-214	NOT FOUND/DATA for	351.92 keV		7.05E-001	4.61E-001	1.05E+000
RA-226	NOT FOUND/DATA for	186.10 keV		1.04E+000	3.25E+000	6.09E+000
AC-228	NOT FOUND/DATA for	911.21 keV		5.93E-001	9.78E-001	2.20E+000
TH-230	NOT FOUND/DATA for	67.67 keV		4.43E+001	8.83E+001	1.74E+002
PA-231	NOT FOUND/DATA for	300.02 keV		1.43E+000	4.63E+000	9.61E+000
PA-234	NOT FOUND/DATA for	926.00 keV		0.00E+000	0.00E+000	9.72E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.89E+001	3.92E+001	5.30E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-4.11E-001	2.21E+000	3.75E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.26E+003	1.12E+003	2.35E+003
U-235	NOT FOUND/DATA for	185.71 keV		1.83E-002	1.95E-001	3.56E-001
U-238	NOT FOUND/DATA for	92.60 keV		-4.11E-001	2.21E+000	3.75E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.57E-002	1.47E+000	2.84E+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-0503-207
Sample Title: NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.766E+002 G
Sample Taken On: 3/31/2005 11:15:00 AM
Acquisition Started: 3/31/2005 2:49:48 PM
Live Time: 434.8 seconds
Real Time: 435.4 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	2.51E+001	8.51E+001	4.05E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-9.40E-002	1.29E-001	1.79E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-8.70E-003	9.82E-002	1.71E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.31E-002	8.03E-002	2.15E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-3.44E-001	3.20E-001	3.76E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			2.14E-002	9.31E-002	2.05E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.13E-001	2.66E-001	5.72E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-6.00E-002	9.44E-002	1.58E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.26E-002	1.28E-001	2.43E-001
TL-208	3.47E-001	1.68E-001	2.92E-001	FOUND		
PB-212	1.32E+000	7.38E-001	4.87E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			7.28E-001	3.21E-001	7.87E-001
PB-214	NOT FOUND/DATA for 351.92 keV			7.30E-001	3.42E-001	7.70E-001
RA-226	NOT FOUND/DATA for 186.10 keV			2.16E+000	2.37E+000	4.84E+000
AC-228	NOT FOUND/DATA for 911.21 keV			4.95E-001	5.33E-001	1.26E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-2.07E+001	4.42E+001	7.78E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.37E+000	4.31E+000	7.99E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.35E-001	4.28E-001	6.27E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-5.50E+000	1.79E+001	3.47E+001
TH-234	NOT FOUND/DATA for 92.60 keV			5.31E-001	2.31E+000	4.06E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.00E+002	3.74E+002	7.47E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.02E-001	1.37E-001	2.78E-001
U-238	NOT FOUND/DATA for 92.60 keV			5.31E-001	2.31E+000	4.06E+000
AM-241	NOT FOUND/DATA for 59.54 keV			4.81E-001	6.54E-001	1.40E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-208
Sample Title: B-5 NE H/W trench sample
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.076E+002 grams
Sample Taken On: 3/31/2005 12:00:00 AM
Acquisition Started: 3/31/2005 3:00:00 PM
Live Time: 512.6 seconds
Real Time: 512.7 seconds
Dead Time: 0.02 %
Efficiency ID: pint

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	1.84E+001	6.63E+000	3.71E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.05E-002	1.55E-001	3.82E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.87E-002	9.02E-002	1.63E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-1.33E-001	2.33E-001	3.57E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.71E-001	3.90E-001	6.73E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			6.38E-002	1.44E-001	3.57E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.06E-002	3.70E-001	6.64E-001
CS-134	NOT FOUND/DATA for 604.70 keV			2.57E-002	1.68E-001	3.47E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.52E-001	2.24E-001	2.44E-001
TL-208	NOT FOUND/DATA for 583.19 keV			4.57E-001	2.91E-001	6.93E-001
PB-212	6.84E-001	3.08E-001	5.48E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			6.03E-001	4.31E-001	1.09E+000
PB-214	6.28E-001	1.04E-001	7.16E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.71E+000	2.95E+000	6.02E+000
AC-228	NOT FOUND/DATA for 338.32 keV			6.29E-002	8.37E-001	1.77E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-3.76E+001	7.84E+001	1.39E+002
PA-231	NOT FOUND/DATA for 283.67 keV			-2.10E+000	5.98E+000	7.99E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-4.79E-001	5.04E-001	5.82E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.67E+001	3.94E+001	9.32E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-4.86E-001	2.05E+000	3.80E+000
U-234	NOT FOUND/DATA for 53.20 keV			7.53E+002	9.15E+002	1.94E+003
U-235	NOT FOUND/DATA for 185.71 keV			1.86E-001	1.73E-001	3.66E-001
U-238	NOT FOUND/DATA for 92.60 keV			-4.86E-001	2.05E+000	3.80E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-7.74E-001	1.66E+000	2.89E+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-0503-209
Sample Title: NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.124E+002 G
Sample Taken On: 3/31/2005 11:15:00 AM
Acquisition Started: 3/31/2005 2:57:46 PM
Live Time: 300.8 seconds
Real Time: 301.3 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	2.25E+001	5.37E+000	3.52E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-5.90E-002	1.31E-001	2.47E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.25E-003	1.17E-001	2.00E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		6.40E-002	9.05E-002	2.97E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		8.63E-002	2.70E-001	6.02E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		0.00E+000	0.00E+000	5.43E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-4.54E-002	4.58E-001	7.91E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-6.66E-002	1.48E-001	2.79E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.88E-002	1.64E-001	3.16E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.78E-001	1.93E-001	4.57E-001
PB-212	NOT FOUND/DATA for	238.63 keV		7.54E-001	3.58E-001	7.69E-001
BI-214	6.54E-001	3.71E-001	5.75E-001	FOUND		
PB-214	6.41E-001	3.41E-001	5.43E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		4.18E+000	3.19E+000	6.77E+000
AC-228	NOT FOUND/DATA for	338.32 keV		2.13E-001	1.02E+000	2.04E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-5.26E+000	5.53E+001	9.40E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-4.40E+000	5.47E+000	7.71E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.25E-001	4.99E-001	8.48E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.45E+000	2.75E+001	4.13E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.89E-002	2.46E+000	4.24E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.10E+002	4.03E+002	8.02E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.70E-001	1.90E-001	3.90E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.89E-002	2.46E+000	4.24E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.22E-001	6.62E-001	1.26E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-210
Sample Title: NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.830E+002 G
Sample Taken On: 3/31/2005 11:15:00 AM
Acquisition Started: 3/31/2005 3:03:53 PM
Live Time: 548.7 seconds
Real Time: 549.6 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	2.45E+001	1.31E+001	3.94E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-7.12E-003	1.07E-001	2.11E-001
CO-57	NOT FOUND/DATA for	122.06 keV		7.02E-002	1.10E-001	1.99E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-4.87E-002	8.43E-002	1.53E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.14E-001	4.28E-001	2.69E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.67E-003	9.87E-002	1.97E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.89E-001	3.39E-001	6.96E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-8.83E-003	1.16E-001	1.97E-001
CS-137	NOT FOUND/DATA for	661.66 keV		6.96E-003	9.99E-002	2.06E-001
TL-208	4.37E-001	1.58E-001	2.11E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		9.50E-001	2.97E-001	6.38E-001
BI-214	7.40E-001	3.09E-001	4.43E-001	FOUND		
PB-214	7.80E-001	2.91E-001	4.20E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.73E+000	2.85E+000	5.59E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.38E+000	7.35E-001	1.69E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.78E+000	3.59E+001	6.84E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-4.01E+000	4.73E+000	6.80E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.77E-001	4.04E-001	7.44E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.38E+000	2.54E+001	4.36E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.33E+000	1.95E+000	3.80E+000
U-234	NOT FOUND/DATA for	53.20 keV		-3.44E+002	3.78E+002	6.04E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.53E-002	1.76E-001	3.26E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.33E+000	1.95E+000	3.80E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.79E-002	7.46E-001	1.40E+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-0503-211
Sample Title: NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.136E+002 G
Sample Taken On: 3/31/2005 11:15:00 AM
Acquisition Started: 3/31/2005 3:13:59 PM
Live Time: 317.2 seconds
Real Time: 317.7 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	1.71E+001	4.32E+001	5.53E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.30E-002	1.39E-001	3.25E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.59E-002	1.45E-001	2.66E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.15E-002	1.36E-001	3.21E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.37E-001	4.74E-001	7.92E-001
AG-110m	NOT FOUND/DATA for	937.49 keV		0.00E+000	0.00E+000	2.13E-001
SB-125	NOT FOUND/DATA for	427.89 keV		6.54E-002	3.53E-001	7.36E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.62E-002	1.22E-001	2.57E-001
CS-137	NOT FOUND/DATA for	661.66 keV		9.25E-002	1.83E-001	4.03E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.66E-001	2.74E-001	6.20E-001
PB-212	1.07E+000	3.53E-001	5.64E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		1.11E+000	5.46E-001	1.26E+000
PB-214	NOT FOUND/DATA for	351.92 keV		2.73E-001	3.90E-001	8.13E-001
RA-226	NOT FOUND/DATA for	186.10 keV		1.95E+000	2.90E+000	5.97E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.20E-001	7.59E-001	1.87E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.63E+001	5.61E+001	1.10E+002
PA-231	NOT FOUND/DATA for	283.67 keV		-5.83E+000	8.75E+000	9.95E+000
PA-234	NOT FOUND/DATA for	883.24 keV		-2.15E-001	1.03E+000	1.27E+000
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.80E+000	2.07E+001	4.46E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-5.49E-001	2.21E+000	3.82E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.47E+001	4.90E+002	8.65E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.27E-002	1.79E-001	3.49E-001
U-238	NOT FOUND/DATA for	92.60 keV		-5.49E-001	2.21E+000	3.82E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.13E-001	8.61E-001	1.71E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0503-212
Sample Title: NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.130E+002 G
Sample Taken On: 3/31/2005 11:15:00 AM
Acquisition Started: 3/31/2005 3:19:56 PM
Live Time: 521.4 seconds
Real Time: 522.3 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	2.43E+001	4.35E+000	3.33E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.84E-002	1.08E-001	2.39E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.53E-002	1.06E-001	1.84E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.20E-002	1.41E-001	3.16E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.56E-001	2.84E-001	3.96E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-5.70E-002	1.35E-001	2.34E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.54E-001	3.29E-001	6.70E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.01E-001	1.16E-001	1.68E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-2.21E-002	1.32E-001	2.34E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.03E-001	1.81E-001	4.20E-001
PB-212	NOT FOUND/DATA for	238.63 keV		9.54E-001	2.82E-001	6.21E-001
BI-214	NOT FOUND/DATA for	609.31 keV		1.02E+000	4.10E-001	9.31E-001
PB-214	8.82E-001	3.18E-001	5.45E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.22E+000	2.93E+000	5.72E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.03E-001	7.07E-001	1.54E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.38E+001	4.48E+001	8.66E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-5.60E-001	4.67E+000	8.11E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-4.13E-002	3.99E-001	6.85E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.38E+001	2.31E+001	3.51E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.98E-001	2.10E+000	3.69E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.65E+002	4.21E+002	8.27E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.03E-001	1.71E-001	3.26E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.98E-001	2.10E+000	3.69E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.65E-001	7.34E-001	1.35E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location:	CE Windsor
Sample ID:	MAC-0503-213
Sample Title:	NE H/W TRENCH
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.957E+002 G
Sample Taken On:	3/31/2005 11:15:00 AM
Acquisition Started:	3/31/2005 3:29:26 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	2.08E+001	5.66E+000	2.62E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.89E-002	8.25E-002	2.02E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.01E-001	9.90E-002	1.50E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			4.02E-002	1.15E-001	2.64E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			8.19E-003	2.44E-001	4.92E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.48E-001	1.36E-001	1.54E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.06E-001	3.05E-001	5.00E-001
CS-134	NOT FOUND/DATA for 604.70 keV			2.88E-002	9.74E-002	2.00E-001
CS-137	NOT FOUND/DATA for 661.66 keV			9.12E-002	1.29E-001	2.72E-001
TL-208	3.07E-001	3.99E-001	1.89E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			7.95E-001	3.03E-001	6.21E-001
BI-214	NOT FOUND/DATA for 609.31 keV			8.10E-001	3.34E-001	7.74E-001
PB-214	1.11E+000	3.07E-001	4.56E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.69E+000	2.65E+000	5.17E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.33E+000	6.23E-001	1.50E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.29E+001	4.65E+001	8.69E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.95E+000	3.97E+000	7.32E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.36E-001	3.96E-001	6.27E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.52E+000	2.04E+001	4.13E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.09E+000	1.96E+000	3.55E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.23E+002	4.29E+002	7.36E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.19E-001	1.60E-001	3.07E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.09E+000	1.96E+000	3.55E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.22E-001	7.68E-001	1.32E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0504-004
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.173E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 10:31:57 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	2.08E+001	3.71E+000	2.93E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.44E-003	9.40E-002	1.95E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.03E-001	9.91E-002	1.51E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-1.87E-002	1.11E-001	2.00E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.26E-001	2.03E-001	3.42E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-2.58E-002	1.14E-001	2.25E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-8.12E-002	3.16E-001	5.79E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.42E-002	1.00E-001	1.72E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.54E-002	1.38E-001	2.64E-001
TL-208	3.22E-001	1.37E-001	2.48E-001	FOUND		
PB-212	1.19E+000	2.44E-001	5.67E-001	FOUND		
BI-214	9.13E-001	3.04E-001	4.21E-001	FOUND		
PB-214	7.02E-001	2.77E-001	5.59E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		-8.65E-001	2.23E+000	3.94E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.02E+000	5.94E-001	1.38E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.85E+001	3.88E+001	7.59E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.58E+000	3.14E+000	5.92E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-4.50E-002	3.76E-001	6.32E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.95E+000	1.82E+001	3.56E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.33E-001	1.74E+000	3.10E+000
U-234	NOT FOUND/DATA for	53.20 keV		8.58E+001	3.29E+002	6.41E+002
U-235	NOT FOUND/DATA for	185.71 keV		-1.07E-003	1.38E-001	2.54E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.33E-001	1.74E+000	3.10E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.42E-001	6.09E-001	1.12E+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-0504-005
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.203E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 10:42:48 AM
Live Time: 600.0 seconds
Real Time: 601.3 seconds
Dead Time: 0.21 %
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	1.02E+001	3.18E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.30E-002	7.96E-002	1.56E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.47E-002	9.49E-002	1.69E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.22E-002	8.40E-002	2.17E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-5.34E-002	3.28E-001	5.95E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-3.97E-002	1.20E-001	2.01E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.41E-001	2.12E-001	4.66E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.34E-002	1.02E-001	1.79E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-2.03E-002	1.23E-001	2.11E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.28E-001	1.56E-001	3.57E-001
PB-212	9.61E-001	2.21E-001	4.33E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		8.92E-001	3.46E-001	7.94E-001
PB-214	5.20E-001	1.80E-001	4.16E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.33E+000	2.36E+000	4.53E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.98E-001	5.53E-001	1.30E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.38E+000	4.30E+001	7.99E+001
PA-231	NOT FOUND/DATA for	300.02 keV		4.76E+000	4.26E+000	7.63E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.10E-001	3.62E-001	6.06E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.17E+000	1.64E+001	3.78E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.01E+000	1.83E+000	3.32E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.41E+002	3.45E+002	7.11E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.10E-001	1.40E-001	2.73E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.01E+000	1.83E+000	3.32E+000
AM-241	NOT FOUND/DATA for	59.54 keV		7.36E-003	6.99E-001	1.32E+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-0504-006
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.120E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 10:54:44 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	2.27E+001	3.94E+000	3.18E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.69E-002	1.07E-001	2.08E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.99E-002	9.64E-002	1.73E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.59E-002	1.13E-001	2.58E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		7.60E-002	2.37E-001	5.08E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.59E-002	8.97E-002	1.50E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.69E-001	2.54E-001	4.33E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.46E-003	1.03E-001	1.95E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-2.22E-002	1.22E-001	2.14E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.29E-001	1.85E-001	3.95E-001
PB-212	7.60E-001	2.99E-001	4.58E-001	FOUND		
BI-214	7.14E-001	8.59E-001	4.02E-001	FOUND		
PB-214	6.50E-001	2.56E-001	4.26E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.60E+000	2.33E+000	4.67E+000
AC-228	NOT FOUND/DATA for	911.21 keV		4.76E-001	4.55E-001	1.06E+000
TH-230	NOT FOUND/DATA for	67.67 keV		7.78E+000	4.17E+001	7.87E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.15E+000	3.73E+000	6.85E+000
PA-234	NOT FOUND/DATA for	131.20 keV		1.80E-001	3.85E-001	6.63E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.56E+001	1.75E+001	4.24E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.13E-001	1.67E+000	3.03E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.98E+001	3.37E+002	6.46E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.41E-001	1.44E-001	2.81E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.13E-001	1.67E+000	3.03E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.76E-001	7.58E-001	1.43E+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-0504-007
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.015E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 11:05:57 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	2.94E+001	1.25E+001	3.02E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-6.65E-003	7.67E-002	1.60E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.94E-002	8.46E-002	1.35E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			6.88E-003	8.84E-002	2.00E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.93E-001	2.62E-001	5.89E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.26E-002	8.80E-002	1.53E-001
SB-125	NOT FOUND/DATA for 427.89 keV			8.45E-002	2.51E-001	5.14E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-4.00E-002	8.79E-002	1.58E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.64E-002	1.07E-001	2.27E-001
TL-208	2.56E-001	3.04E-002	1.97E-001	FOUND		
PB-212	1.09E+000	4.51E-001	4.21E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			1.17E+000	3.72E-001	8.74E-001
PB-214	NOT FOUND/DATA for 351.92 keV			9.05E-001	3.31E-001	7.37E-001
RA-226	NOT FOUND/DATA for 186.10 keV			1.82E+000	2.42E+000	4.66E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.03E+000	6.03E-001	1.39E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.03E-001	4.32E+001	7.99E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.70E+000	3.39E+000	6.05E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.21E-001	4.04E-001	6.33E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-3.55E+000	2.13E+001	4.10E+001
TH-234	NOT FOUND/DATA for 92.60 keV			3.46E-001	2.00E+000	3.49E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.78E+002	3.53E+002	5.85E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.45E-001	1.46E-001	3.03E-001
U-238	NOT FOUND/DATA for 92.60 keV			3.46E-001	2.00E+000	3.49E+000
AM-241	NOT FOUND/DATA for 59.54 keV			6.22E-001	7.41E-001	1.49E+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-0504-008
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.185E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 11:17:42 AM
Live Time: 600.0 seconds
Real Time: 600.7 seconds
Dead Time: 0.11 %
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	1.27E+001	2.41E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.15E-001	1.35E-001	3.04E-001
CO-57	NOT FOUND/DATA for	122.06 keV		6.53E-003	9.95E-002	1.71E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.51E-002	1.19E-001	2.76E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.69E-001	3.29E-001	6.93E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-7.55E-003	8.54E-002	1.73E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.20E-002	3.52E-001	6.37E-001
CS-134	NOT FOUND/DATA for	604.70 keV		3.04E-002	9.94E-002	2.08E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-2.11E-002	1.06E-001	2.08E-001
TL-208	4.98E-001	2.53E-001	1.92E-001	FOUND		
PB-212	1.41E+000	4.26E-001	4.83E-001	FOUND		
BI-214	1.12E+000	3.62E-001	5.21E-001	FOUND		
PB-214	8.40E-001	2.80E-001	4.47E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.27E+000	2.51E+000	4.84E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.43E+000	6.75E-001	1.63E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.51E+000	4.37E+001	7.70E+001
PA-231	NOT FOUND/DATA for	300.02 keV		5.48E+000	4.66E+000	8.46E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.66E-001	4.59E-001	7.45E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.08E+000	1.79E+001	3.84E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.00E-001	2.02E+000	3.56E+000
U-234	NOT FOUND/DATA for	53.20 keV		-7.40E+001	3.60E+002	6.63E+002
U-235	NOT FOUND/DATA for	185.71 keV		-7.54E-002	1.49E-001	2.61E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.00E-001	2.02E+000	3.56E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.43E-001	7.69E-001	1.46E+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-0504-009
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.189E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 11:28:55 AM
Live Time: 600.0 seconds
Real Time: 600.7 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	2.51E+001	1.22E+001	2.74E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.76E-002	9.83E-002	2.16E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.26E-002	8.02E-002	1.44E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		8.31E-003	1.32E-001	2.64E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.04E-001	2.57E-001	4.47E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.38E-002	1.07E-001	1.89E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.49E-001	2.59E-001	5.17E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.94E-003	9.63E-002	1.86E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.35E-002	1.15E-001	2.39E-001
TL-208	2.19E-001	9.05E-002	2.28E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		1.01E+000	2.78E-001	5.99E-001
BI-214	7.63E-001	2.85E-001	3.84E-001	FOUND		
PB-214	7.05E-001	3.54E-001	5.05E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		8.45E-001	2.13E+000	4.03E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.40E+000	6.80E-001	1.58E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.26E+001	3.88E+001	7.00E+001
PA-231	NOT FOUND/DATA for	300.02 keV		5.78E-001	3.85E+000	6.89E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-4.09E-002	3.46E-001	5.93E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		9.06E-001	2.20E+001	4.00E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-6.94E-002	1.80E+000	3.09E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.61E+002	3.28E+002	6.52E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.07E-002	1.25E-001	2.45E-001
U-238	NOT FOUND/DATA for	92.60 keV		-6.94E-002	1.80E+000	3.09E+000
AM-241	NOT FOUND/DATA for	59.54 keV		6.22E-003	5.97E-001	1.14E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-010
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.522E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 11:45:03 AM
Live Time: 300.0 seconds
Real Time: 300.5 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	2.21E+001	5.14E+000	2.74E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.24E-002	1.05E-001	2.31E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.17E-002	1.01E-001	2.01E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		9.11E-002	1.24E-001	3.73E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		2.27E-002	2.92E-001	6.52E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-1.70E-001	2.04E-001	2.63E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.53E-001	3.88E-001	8.19E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.30E-002	1.21E-001	1.82E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.08E-002	1.56E-001	3.42E-001
TL-208	NOT FOUND/DATA for	583.19 keV		1.72E-001	1.95E-001	4.30E-001
PB-212	NOT FOUND/DATA for	238.63 keV		7.37E-001	3.94E-001	8.33E-001
BI-214	NOT FOUND/DATA for	609.31 keV		1.08E+000	4.65E-001	1.16E+000
PB-214	1.01E+000	1.99E+000	4.32E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		4.38E+000	3.31E+000	7.05E+000
AC-228	NOT FOUND/DATA for	968.97 keV		1.43E-001	8.74E-001	1.84E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.53E+001	4.56E+001	8.03E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.31E+000	5.10E+000	1.01E+001
PA-234	NOT FOUND/DATA for	98.44 keV		1.67E-001	4.94E-001	9.34E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.21E+000	2.83E+001	5.19E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.02E-002	2.37E+000	4.19E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.02E+001	4.58E+002	9.04E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.25E-002	2.03E-001	3.78E-001
U-238	NOT FOUND/DATA for	92.60 keV		6.02E-002	2.37E+000	4.19E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.99E-001	7.96E-001	1.51E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-011
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.170E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 11:53:04 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	1.94E+001	3.60E+000	2.44E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			7.86E-002	1.11E-001	2.45E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.34E-002	8.60E-002	1.53E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			1.05E-001	1.24E-001	2.90E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-8.61E-002	2.32E-001	3.42E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.75E-002	8.99E-002	1.61E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.54E-002	2.75E-001	5.19E-001
CS-134	NOT FOUND/DATA for 604.70 keV			2.94E-004	1.01E-001	1.80E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.05E-001	1.30E-001	2.79E-001
TL-208	2.93E-001	2.93E-001	1.70E-001	FOUND		
PB-212	7.94E-001	2.21E-001	4.68E-001	FOUND		
BI-214	5.40E-001	2.51E-001	3.84E-001	FOUND		
PB-214	8.51E-001	2.64E-001	3.89E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.76E+000	2.19E+000	4.60E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.24E-001	5.85E-001	1.31E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-3.54E+001	3.99E+001	6.64E+001
PA-231	NOT FOUND/DATA for 302.65 keV			-2.82E+000	4.50E+000	6.61E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.11E-001	3.87E-001	6.40E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			5.75E+000	1.40E+001	3.31E+001
TH-234	NOT FOUND/DATA for 92.60 keV			3.14E-001	1.70E+000	3.01E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.81E+001	3.18E+002	6.15E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.58E-001	1.33E-001	2.70E-001
U-238	NOT FOUND/DATA for 92.60 keV			3.14E-001	1.70E+000	3.01E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-8.74E-002	6.55E-001	1.07E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

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

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	1.67E+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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***** 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-0504-013
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.540E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 12:12:50 PM
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	1.81E+001	1.15E+001	3.27E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.79E-003	9.18E-002	1.86E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.52E-002	8.25E-002	1.39E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-8.52E-002	8.76E-002	1.17E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.06E-001	2.09E-001	3.63E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	1.98E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-8.67E-002	2.35E-001	4.27E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.76E-002	9.15E-002	1.55E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.39E-002	1.16E-001	2.36E-001
TL-208	3.63E-001	1.42E-001	2.40E-001	FOUND		
PB-212	9.68E-001	2.35E-001	4.63E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			8.41E-001	3.26E-001	7.51E-001
PB-214	5.97E-001	3.98E-001	3.64E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.44E+000	2.33E+000	4.59E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.04E+000	6.14E-001	1.40E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-3.06E+000	3.65E+001	6.79E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.85E+000	3.56E+000	6.57E+000
PA-234	NOT FOUND/DATA for 98.44 keV			2.62E-001	3.56E-001	6.51E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-6.19E+000	1.72E+001	3.15E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-4.35E-001	1.68E+000	2.80E+000
U-234	NOT FOUND/DATA for 53.20 keV			-9.99E+001	3.85E+002	6.57E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.05E-001	1.39E-001	2.70E-001
U-238	NOT FOUND/DATA for 92.60 keV			-4.35E-001	1.68E+000	2.80E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.95E-001	6.71E-001	1.30E+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-0504-014
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.123E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 12:23:29 PM
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	1.97E+001	1.00E+001	3.29E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.89E-002	8.09E-002	1.97E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-7.20E-002	1.03E-001	1.65E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.64E-002	1.24E-001	2.75E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.04E-001	2.31E-001	4.19E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.07E-002	1.09E-001	2.00E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.68E-002	3.08E-001	5.22E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.87E-002	1.05E-001	2.09E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.77E-002	1.14E-001	2.41E-001
TL-208	2.86E-001	1.32E-001	2.01E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		7.98E-001	2.73E-001	5.73E-001
BI-214	NOT FOUND/DATA for	609.31 keV		7.72E-001	3.53E-001	7.80E-001
PB-214	NOT FOUND/DATA for	351.92 keV		7.89E-001	3.53E-001	7.52E-001
RA-226	NOT FOUND/DATA for	186.10 keV		1.21E+000	2.48E+000	4.63E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.36E+000	6.64E-001	1.55E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-4.89E+001	4.02E+001	6.28E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-6.89E-001	3.61E+000	6.20E+000
PA-234	NOT FOUND/DATA for	98.44 keV		3.80E-001	3.51E-001	6.67E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		0.00E+000	1.85E+001	3.59E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.26E-001	1.82E+000	3.27E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.81E+001	3.39E+002	6.45E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.19E-001	1.54E-001	3.09E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.26E-001	1.82E+000	3.27E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-5.89E-002	6.31E-001	1.18E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-015
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.219E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 12:37:10 PM
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	1.96E+001	1.45E+001	3.23E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-6.28E-002	9.57E-002	1.39E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.01E-002	9.38E-002	1.64E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.48E-002	1.11E-001	2.54E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.73E-001	3.62E-001	3.79E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.75E-002	9.07E-002	1.48E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.89E-002	2.77E-001	5.15E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.42E-002	1.24E-001	1.93E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.33E-002	1.28E-001	2.54E-001
TL-208	2.96E-001	1.29E-001	1.91E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		9.10E-001	2.85E-001	6.01E-001
BI-214	7.20E-001	1.31E+000	4.21E-001	FOUND		
PB-214	6.73E-001	2.54E-001	4.87E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		9.83E-001	2.24E+000	4.23E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.11E+000	6.07E-001	1.42E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-3.47E+001	3.72E+001	6.06E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.13E+000	3.59E+000	6.00E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.41E-001	3.80E-001	6.80E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-8.02E+000	2.05E+001	3.77E+001
TH-234	NOT FOUND/DATA for	92.60 keV		9.71E-001	1.88E+000	3.39E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.38E+002	3.34E+002	5.83E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.87E-002	1.42E-001	2.60E-001
U-238	NOT FOUND/DATA for	92.60 keV		9.71E-001	1.88E+000	3.39E+000
AM-241	NOT FOUND/DATA for	59.54 keV		5.38E-001	5.93E-001	1.25E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-016
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.363E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 12:47:53 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	2.05E+001	1.18E+001	2.53E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.14E-002	8.22E-002	1.79E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-5.56E-002	9.31E-002	1.48E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.21E-002	7.49E-002	1.90E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-5.03E-002	1.91E-001	3.72E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.25E-001	1.02E-001	1.03E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-3.07E-002	2.30E-001	4.19E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-9.89E-002	8.98E-002	1.32E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.11E-002	1.01E-001	2.16E-001
TL-208	NOT FOUND/DATA for 583.19 keV			4.88E-001	1.86E-001	4.19E-001
PB-212	NOT FOUND/DATA for 238.63 keV			1.00E+000	2.82E-001	6.01E-001
BI-214	NOT FOUND/DATA for 609.31 keV			4.91E-001	3.03E-001	6.65E-001
PB-214	1.05E+000	2.98E-001	4.31E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.36E+000	2.25E+000	4.59E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.07E+000	6.14E-001	1.42E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.45E+001	3.56E+001	6.34E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.84E-001	2.75E+000	5.15E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.65E-002	3.72E-001	6.38E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-6.00E+000	1.85E+001	3.47E+001
TH-234	NOT FOUND/DATA for 92.60 keV			4.07E-002	1.69E+000	2.93E+000
U-234	NOT FOUND/DATA for 53.20 keV			5.32E+001	3.27E+002	6.24E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.40E-001	1.40E-001	2.77E-001
U-238	NOT FOUND/DATA for 92.60 keV			4.07E-002	1.69E+000	2.93E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.25E-001	6.52E-001	1.16E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-017
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.899E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 12:59:14 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	2.31E+001	1.48E+001	2.81E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			6.17E-002	1.05E-001	2.26E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.26E-002	1.05E-001	1.83E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.26E-002	1.14E-001	2.48E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.41E-002	2.37E-001	4.66E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.16E-001	1.38E-001	1.88E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-7.60E-002	2.51E-001	4.67E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-4.36E-002	8.45E-002	1.51E-001
CS-137	NOT FOUND/DATA for 661.66 keV			8.11E-002	1.36E-001	2.58E-001
TL-208	4.10E-001	4.38E-001	1.80E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			9.89E-001	2.88E-001	6.16E-001
BI-214	NOT FOUND/DATA for 609.31 keV			2.32E-001	3.11E-001	6.32E-001
PB-214	8.23E-001	2.76E-001	3.98E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.25E+000	2.23E+000	4.56E+000
AC-228	NOT FOUND/DATA for 911.21 keV			5.75E-001	5.58E-001	1.25E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.72E+001	4.20E+001	8.56E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.51E+000	3.75E+000	6.86E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-4.56E-003	4.09E-001	7.00E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			8.86E+000	1.99E+001	4.38E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.73E+000	1.86E+000	3.49E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.64E+002	3.12E+002	5.11E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.47E-001	1.38E-001	2.90E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.73E+000	1.86E+000	3.49E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.99E-001	6.41E-001	1.26E+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-0504-018
Sample Title: B-5 NE H/W TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.305E+002 G
Sample Taken On: 4/1/2005 11:15:00 AM
Acquisition Started: 4/1/2005 1:11:26 PM
Live Time: 600.0 seconds
Real Time: 600.7 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	2.05E+001	1.39E+001	3.04E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			8.03E-002	9.39E-002	2.23E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-5.25E-002	8.96E-002	1.45E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			4.16E-002	8.32E-002	2.14E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-3.90E-001	5.52E-001	2.30E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.55E-003	9.80E-002	1.86E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.80E-001	2.51E-001	5.68E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.17E-002	9.13E-002	1.69E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.61E-002	1.11E-001	2.35E-001
TL-208	3.10E-001	1.35E-001	2.06E-001	FOUND		
PB-212	1.10E+000	4.09E-001	4.42E-001	FOUND		
BI-214	7.35E-001	7.65E-001	4.12E-001	FOUND		
PB-214	8.25E-001	2.20E-001	4.43E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.13E+000	2.30E+000	4.67E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.55E-001	5.37E-001	1.29E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.76E+001	3.59E+001	6.26E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-1.85E+000	3.66E+000	5.93E+000
PA-234	NOT FOUND/DATA for 131.20 keV			1.01E-003	3.48E-001	6.08E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-6.67E+000	1.60E+001	2.30E+001
TH-234	NOT FOUND/DATA for 92.60 keV			3.07E+000	1.93E+000	3.71E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.33E+002	2.98E+002	6.03E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.70E-001	1.40E-001	2.81E-001
U-238	NOT FOUND/DATA for 92.60 keV			3.07E+000	1.93E+000	3.71E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.03E-001	5.79E-001	9.70E-001

Uncertainty reported at 2.0 sigma

****
***** 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

	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	2.55E+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-0504-023
Sample Title: NE TRENCH MARSIM SAMPLE #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.942E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/5/2005 2:35:27 PM
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	2.10E+001	1.02E+001	2.47E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.72E-002	6.33E-002	1.37E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-4.24E-004	7.02E-002	1.19E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.88E-002	7.19E-002	1.54E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			6.31E-002	1.98E-001	3.74E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-2.36E-002	7.41E-002	1.34E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-4.66E-003	1.94E-001	3.65E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.24E-003	6.87E-002	1.29E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.07E-002	8.66E-002	1.68E-001
TL-208	3.24E-001	2.53E-001	1.62E-001	FOUND		
PB-212	9.40E-001	2.16E-001	3.70E-001	FOUND		
BI-214	5.13E-001	3.63E-001	3.70E-001	FOUND		
PB-214	7.94E-001	3.36E-001	2.95E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.23E-001	1.60E+000	2.93E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.07E+000	4.11E-001	9.89E-001
TH-230	NOT FOUND/DATA for 67.67 keV			-1.20E+001	3.10E+001	5.42E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.46E+000	2.92E+000	5.22E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.24E-002	2.65E-001	4.51E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			5.44E+000	1.07E+001	2.41E+001
TH-234	NOT FOUND/DATA for 92.60 keV			9.49E-001	1.38E+000	2.47E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.67E+002	2.64E+002	5.11E+002
U-235	NOT FOUND/DATA for 185.71 keV			-3.35E-002	9.46E-002	1.65E-001
U-238	NOT FOUND/DATA for 92.60 keV			9.49E-001	1.38E+000	2.47E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.60E-001	5.34E-001	8.89E-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-0504-24
Sample Title: NE TRENCH MARSIM SAMPLE #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.112E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/5/2005 3:35:06 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	1.80E+001	6.62E+000	1.81E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-7.83E-003	6.32E-002	1.19E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.96E-003	6.83E-002	1.15E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		1.87E-002	9.64E-002	1.86E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-4.18E-003	1.56E-001	3.03E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		6.86E-003	6.56E-002	1.28E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.20E-001	1.88E-001	3.76E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.84E-002	7.58E-002	1.18E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.29E-002	6.92E-002	1.53E-001
TL-208	3.16E-001	3.04E-001	1.55E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		9.31E-001	2.05E-001	4.21E-001
BI-214	1.02E+000	6.62E-001	2.96E-001	FOUND		
PB-214	9.54E-001	6.14E-001	3.38E-001	FOUND		
RA-226	2.41E+000	3.97E+000	2.89E+000	FOUND		
AC-228	NOT FOUND/DATA for	911.21 keV		9.87E-001	4.30E-001	9.69E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-3.14E+001	2.79E+001	4.48E+001
PA-231	NOT FOUND/DATA for	283.67 keV		-4.33E+000	3.84E+000	4.10E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.00E-001	2.48E-001	3.98E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.19E+000	1.24E+001	2.31E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.14E-001	1.24E+000	2.20E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.80E+000	2.17E+002	4.04E+002
U-235	1.47E-001	2.42E-001	1.76E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		8.14E-001	1.24E+000	2.20E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.76E-001	4.29E-001	8.39E-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-0504-25
Sample Title: NE TRENCH MARSIM SAMPLE #4
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.870E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/5/2005 3:50:58 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	1.70E+001	2.66E+001	1.67E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.47E-002	7.68E-002	1.54E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.83E-002	6.18E-002	1.08E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.11E-002	8.32E-002	1.71E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		4.51E-002	1.58E-001	3.23E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.96E-002	7.08E-002	1.20E-001
SB-125	NOT FOUND/DATA for	427.89 keV		8.31E-002	1.86E-001	3.68E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-9.69E-002	7.05E-002	9.27E-002
CS-137	NOT FOUND/DATA for	661.66 keV		-1.71E-002	7.36E-002	1.29E-001
TL-208	3.23E-001	1.92E-001	1.28E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		7.57E-001	1.97E-001	4.03E-001
BI-214	1.23E+000	2.34E-001	2.43E-001	FOUND		
PB-214	9.31E-001	2.13E-001	3.55E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.92E+000	1.68E+000	3.33E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.56E+000	4.82E-001	1.12E+000
TH-230	NOT FOUND/DATA for	67.67 keV		8.60E+000	2.77E+001	4.95E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.41E+000	2.67E+000	4.76E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.58E-002	2.73E-001	4.64E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.04E+000	1.18E+001	2.16E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.68E-001	1.18E+000	2.09E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.63E+002	2.38E+002	4.73E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.69E-002	1.03E-001	1.93E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.68E-001	1.18E+000	2.09E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.44E-002	4.70E-001	8.62E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-26
Sample Title: NE TRENCH MARSIM SAMPLE #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.038E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/5/2005 4:14:10 PM
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	2.79E+001	3.67E+000	2.23E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-6.66E-002	7.55E-002	1.16E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.38E-001	8.51E-002	1.23E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.20E-001	1.04E-001	2.48E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.10E-001	1.86E-001	3.25E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-5.88E-002	8.28E-002	1.41E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.05E-001	2.19E-001	3.63E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.85E-002	1.02E-001	1.57E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.77E-002	8.83E-002	1.74E-001
TL-208	4.32E-001	1.71E-001	1.93E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			1.10E+000	2.61E-001	5.34E-001
BI-214	1.11E+000	1.14E+000	4.24E-001	FOUND		
PB-214	7.91E-001	6.19E-001	2.90E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			5.73E-001	1.97E+000	3.62E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.19E+000	5.41E-001	1.22E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.03E+001	3.70E+001	7.15E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.77E-001	3.13E+000	5.50E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-3.52E-002	3.48E-001	5.83E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.72E+000	1.51E+001	2.86E+001
TH-234	NOT FOUND/DATA for 92.60 keV			9.94E-001	1.54E+000	2.76E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.33E+002	2.88E+002	5.08E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.37E-002	1.19E-001	2.17E-001
U-238	NOT FOUND/DATA for 92.60 keV			9.94E-001	1.54E+000	2.76E+000
AM-241	NOT FOUND/DATA for 59.54 keV			5.31E-002	5.40E-001	1.00E+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-0504-27
Sample Title: NE TRENCH MARSIM SAMPLE #6
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.341E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/5/2005 4:37:01 PM
Live Time: 900.0 seconds
Real Time: 901.2 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	2.40E+001	7.45E+000	1.99E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			9.52E-002	7.77E-002	1.76E-001
CO-57	NOT FOUND/DATA for 122.06 keV			3.49E-002	6.98E-002	1.21E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-3.12E-002	8.28E-002	1.56E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			5.97E-002	1.76E-001	3.56E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.89E-002	7.22E-002	1.19E-001
SB-125	NOT FOUND/DATA for 427.89 keV			5.25E-002	1.99E-001	3.84E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.40E-002	8.84E-002	1.29E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.70E-002	8.87E-002	1.60E-001
TL-208	3.30E-001	9.76E-002	1.52E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			7.30E-001	2.03E-001	4.15E-001
BI-214	8.38E-001	6.78E-001	3.39E-001	FOUND		
PB-214	9.61E-001	2.32E-001	3.97E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.21E+000	1.68E+000	3.17E+000
AC-228	1.22E+000	1.13E+000	5.70E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			-1.64E+001	2.93E+001	4.95E+001
PA-231	NOT FOUND/DATA for 300.02 keV			9.27E-001	2.70E+000	4.79E+000
PA-234	NOT FOUND/DATA for 131.20 keV			1.33E-001	3.09E-001	5.26E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.87E+000	1.45E+001	2.73E+001
TH-234	NOT FOUND/DATA for 92.60 keV			6.87E-001	1.31E+000	2.32E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.36E+002	2.59E+002	4.22E+002
U-235	NOT FOUND/DATA for 185.71 keV			6.46E-002	1.00E-001	1.89E-001
U-238	NOT FOUND/DATA for 92.60 keV			6.87E-001	1.31E+000	2.32E+000
AM-241	NOT FOUND/DATA for 59.54 keV			6.90E-002	4.57E-001	8.47E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-28
Sample Title: NE TRENCH MARSIM SAMPLE #7
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.250E+002 grams
Sample Taken On: 4/4/2005 12:00:00 AM
Acquisition Started: 4/6/2005 7:55:28 AM
Live Time: 1027.0 seconds
Real Time: 1027.3 seconds
Dead Time: 0.02 %
Efficiency ID: pint

	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	2.28E+001	4.67E+000	1.86E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.12E-002	9.64E-002	2.29E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.43E-002	6.67E-002	1.27E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-4.80E-002	1.34E-001	2.49E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.34E-001	4.57E-001	3.65E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.88E-002	1.12E-001	1.92E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.48E-002	2.42E-001	4.79E-001
CS-134	NOT FOUND/DATA for	604.70 keV		9.74E-003	1.08E-001	2.14E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.89E-002	9.97E-002	2.37E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.49E-001	1.76E-001	4.15E-001
PB-212	8.73E-001	4.06E-001	3.46E-001	FOUND		
BI-214	3.92E-001	2.15E-001	3.18E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		7.00E-001	2.67E-001	6.18E-001
RA-226	NOT FOUND/DATA for	186.10 keV		2.04E+000	2.09E+000	3.94E+000
AC-228	NOT FOUND/DATA for	911.21 keV		7.67E-001	5.68E-001	1.36E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-3.46E+001	4.89E+001	8.21E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.63E+000	3.11E+000	6.02E+000
PA-234	NOT FOUND/DATA for	131.20 keV		1.35E-001	2.84E-001	5.21E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.71E+000	1.78E+001	3.66E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.15E-001	1.49E+000	2.74E+000
U-234	NOT FOUND/DATA for	53.20 keV		6.35E+000	6.12E+002	1.12E+003
U-235	NOT FOUND/DATA for	185.71 keV		1.14E-001	1.29E-001	2.40E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.15E-001	1.49E+000	2.74E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.47E+000	1.01E+000	1.56E+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-0504-29
Sample Title: NE TRENCH MARSIM SAMPLE #8
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.183E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/6/2005 6:58:51 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	2.00E+001	6.86E+000	1.43E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.18E-002	5.23E-002	8.92E-002
CO-57	NOT FOUND/DATA for	122.06 keV		-2.41E-002	5.98E-002	9.78E-002
CO-60	NOT FOUND/DATA for	1173.24 keV		-2.34E-002	9.96E-002	1.75E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.31E-001	1.93E-001	3.02E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		5.79E-003	5.16E-002	1.04E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.42E-002	1.78E-001	3.30E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.19E-002	6.86E-002	1.26E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.85E-002	7.25E-002	1.49E-001
TL-208	4.10E-001	9.70E-002	1.13E-001	FOUND		
PB-212	9.22E-001	3.96E-001	3.26E-001	FOUND		
BI-214	7.73E-001	2.06E-001	3.30E-001	FOUND		
PB-214	7.81E-001	1.56E-001	3.33E-001	FOUND		
RA-226	2.25E+000	1.21E+000	2.59E+000	FOUND		
AC-228	NOT FOUND/DATA for	911.21 keV		6.78E-001	4.08E-001	8.76E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-2.15E+001	2.47E+001	4.18E+001
PA-231	NOT FOUND/DATA for	300.02 keV		7.46E-001	2.13E+000	3.85E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.64E-001	2.77E-001	4.15E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-6.34E+000	1.36E+001	2.19E+001
TH-234	NOT FOUND/DATA for	92.60 keV		9.05E-001	1.26E+000	2.25E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.34E+002	2.24E+002	3.84E+002
U-235	1.37E-001	7.37E-002	1.58E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		9.05E-001	1.26E+000	2.25E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-9.30E-002	4.79E-001	8.58E-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-0504-30
Sample Title: NE TRENCH MARSIM SAMPLE #9
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.910E+002 grams
Sample Taken On: 4/4/2005 12:00:00 AM
Acquisition Started: 4/6/2005 8:13:37 AM
Live Time: 1200.0 seconds
Real Time: 1200.3 seconds
Dead Time: 0.02 %
Efficiency ID: pint

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	1.65E+001	1.28E+001	2.05E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.31E-002	7.41E-002	1.58E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.57E-002	5.57E-002	9.93E-002
CO-60	NOT FOUND/DATA for	1173.24 keV		-1.44E-002	1.22E-001	2.32E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		4.60E-002	1.84E-001	4.08E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.81E-002	8.23E-002	1.33E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.05E-002	2.05E-001	3.80E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.04E-002	8.58E-002	1.35E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.42E-002	1.09E-001	2.12E-001
TL-208	2.66E-001	1.07E-001	2.01E-001	FOUND		
PB-212	6.83E-001	1.87E-001	3.57E-001	FOUND		
BI-214	5.72E-001	1.09E+000	3.74E-001	FOUND		
PB-214	6.10E-001	6.37E-001	3.21E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.17E+000	1.61E+000	3.15E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.93E-001	4.73E-001	1.13E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.30E+001	4.34E+001	8.09E+001
PA-231	NOT FOUND/DATA for	283.67 keV		-2.32E+000	3.26E+000	4.74E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.26E-001	2.46E-001	3.95E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		7.44E+000	1.65E+001	3.40E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.98E-001	1.28E+000	2.35E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.79E+002	6.20E+002	1.18E+003
U-235	NOT FOUND/DATA for	185.71 keV		8.45E-002	9.98E-002	1.87E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.98E-001	1.28E+000	2.35E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.76E-001	8.60E-001	1.49E+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-0504-31
Sample Title: NE TRENCH MARSIM SAMPLE #10
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.907E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/6/2005 8:13:15 AM
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	2.32E+001	7.33E+000	1.44E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-5.26E-002	8.24E-002	1.32E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.84E-002	7.09E-002	1.29E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.20E-002	7.40E-002	1.65E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.30E-001	1.97E-001	2.90E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		2.67E-002	7.04E-002	1.44E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.47E-001	2.06E-001	3.50E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.36E-002	8.18E-002	1.40E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.72E-002	7.45E-002	1.55E-001
TL-208	3.16E-001	2.50E-001	1.68E-001	FOUND		
PB-212	8.19E-001	1.82E-001	3.55E-001	FOUND		
BI-214	5.99E-001	2.13E-001	3.80E-001	FOUND		
PB-214	6.68E-001	1.91E-001	3.20E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.58E-001	1.59E+000	2.92E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.45E+000	5.09E-001	1.18E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-9.36E+000	3.03E+001	5.39E+001
PA-231	NOT FOUND/DATA for	300.02 keV		5.29E-001	2.63E+000	4.69E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-8.26E-002	3.01E-001	4.85E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.59E+000	1.50E+001	3.17E+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		1.04E+002	2.75E+002	5.19E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.04E-001	9.89E-002	1.92E-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		-1.53E-001	4.36E-001	7.87E-001

Uncertainty reported at 2.0 sigma

****
***** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0504-32
Sample Title: NE TRENCH MARSIM SAMPLE #11
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.960E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/6/2005 8:31:42 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	3.22E+000	1.95E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.06E-002	8.25E-002	1.48E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.01E-002	7.38E-002	1.20E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.33E-002	7.21E-002	1.64E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.16E-002	1.98E-001	3.34E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		3.04E-002	7.22E-002	1.47E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-4.11E-002	2.03E-001	3.73E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.31E-002	6.60E-002	1.17E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-3.38E-002	9.07E-002	1.63E-001
TL-208	3.32E-001	1.08E-001	1.79E-001	FOUND		
PB-212	1.04E+000	4.39E-001	3.62E-001	FOUND		
BI-214	8.26E-001	7.64E-001	3.15E-001	FOUND		
PB-214	5.79E-001	2.67E-001	3.65E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		7.04E-001	1.67E+000	3.10E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.63E-001	4.55E-001	1.03E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.27E+001	2.69E+001	5.35E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.95E+000	2.85E+000	5.02E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.13E-001	3.54E-001	5.26E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.51E+000	1.18E+001	2.41E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.21E+000	1.36E+000	2.47E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.23E+002	2.50E+002	4.08E+002
U-235	NOT FOUND/DATA for	185.71 keV		7.47E-002	1.05E-001	1.94E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.21E+000	1.36E+000	2.47E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.11E-001	5.33E-001	9.61E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-33
Sample Title: NE TRENCH MARSIM SAMPLE #12
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.710E+002 grams
Sample Taken On: 4/4/2005 12:00:00 AM
Acquisition Started: 4/6/2005 8:44:21 AM
Live Time: 1200.0 seconds
Real Time: 1200.3 seconds
Dead Time: 0.02 %
Efficiency ID: pint

	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	2.06E+001	1.19E+001	1.64E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			8.54E-002	1.05E-001	2.43E-001
CO-57	NOT FOUND/DATA for 122.06 keV			7.10E-003	6.55E-002	1.21E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-4.39E-002	1.44E-001	2.56E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.77E-001	3.56E-001	3.88E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-6.14E-003	8.20E-002	1.65E-001
SB-125	NOT FOUND/DATA for 427.89 keV			7.45E-002	2.11E-001	4.39E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-8.92E-002	1.35E-001	1.81E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.19E-002	1.01E-001	2.17E-001
TL-208	2.87E-001	3.76E-001	2.67E-001	FOUND		
PB-212	1.08E+000	6.72E-001	4.45E-001	FOUND		
BI-214	5.57E-001	2.85E-001	5.12E-001	FOUND		
PB-214	7.01E-001	3.35E-001	4.43E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.32E+000	1.95E+000	3.58E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.19E+000	6.47E-001	1.52E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-2.81E+000	5.01E+001	9.10E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-2.61E-001	2.61E+000	4.72E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.47E-001	3.16E-001	4.62E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.48E+000	1.63E+001	3.65E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.39E+000	1.45E+000	2.80E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.96E+002	7.20E+002	1.33E+003
U-235	NOT FOUND/DATA for 185.71 keV			8.49E-002	1.18E-001	2.18E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.39E+000	1.45E+000	2.80E+000
AM-241	NOT FOUND/DATA for 59.54 keV			3.30E-001	1.06E+000	1.98E+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-0504-034
Sample Title: NE TRENCH MARSIM SAMPLE #13
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.792E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/5/2005 10:17:27 AM
Live Time: 1800.0 seconds
Real Time: 1803.5 seconds
Dead Time: 0.19 %
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	2.05E+001	2.15E+000	1.42E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.85E-002	4.47E-002	7.96E-002
CO-57	NOT FOUND/DATA for	122.06 keV		3.28E-003	4.47E-002	7.44E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		2.46E-002	5.23E-002	1.05E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.05E-001	1.41E-001	2.04E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.41E-003	4.91E-002	8.89E-002
SB-125	NOT FOUND/DATA for	427.89 keV		6.05E-002	1.37E-001	2.54E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.66E-004	4.11E-002	7.90E-002
CS-137	NOT FOUND/DATA for	661.66 keV		9.75E-003	5.78E-002	1.07E-001
TL-208	3.18E-001	1.79E-001	1.19E-001	FOUND		
PB-212	1.10E+000	2.23E-001	2.15E-001	FOUND		
BI-214	8.51E-001	4.18E-001	2.39E-001	FOUND		
PB-214	8.04E-001	1.16E-001	2.48E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.74E+000	1.15E+000	2.17E+000
AC-228	6.62E-001	2.61E-001	4.28E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.08E+001	2.04E+001	3.52E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.63E+000	1.87E+000	3.18E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.00E-001	2.41E-001	3.23E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.45E+000	1.01E+001	1.85E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.12E-001	8.97E-001	1.52E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.14E+002	1.66E+002	3.07E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.74E-002	6.93E-002	1.27E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.12E-001	8.97E-001	1.52E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.68E-001	3.12E-001	5.32E-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-0504-35
Sample Title: NE TRENCH MARSIM SAMPLE #14
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.711E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/6/2005 9:31:18 AM
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	1.73E+001	8.44E+000	2.43E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.82E-002	6.89E-002	1.44E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.98E-002	6.91E-002	1.21E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-1.29E-002	7.61E-002	1.45E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-6.57E-002	1.74E-001	2.63E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		6.18E-003	7.13E-002	1.34E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.98E-001	2.16E-001	2.94E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.82E-002	6.21E-002	1.07E-001
CS-137	NOT FOUND/DATA for	661.66 keV		6.89E-002	8.62E-002	1.78E-001
TL-208	3.69E-001	1.05E-001	1.38E-001	FOUND		
PB-212	7.31E-001	1.63E-001	2.70E-001	FOUND		
BI-214	6.87E-001	1.95E-001	2.54E-001	FOUND		
PB-214	7.63E-001	5.85E-001	3.33E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		-6.20E-001	1.46E+000	2.54E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.09E+000	4.59E-001	1.03E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.23E+000	2.74E+001	4.89E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.60E+000	2.70E+000	4.80E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-4.59E-002	2.75E-001	4.57E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.23E+000	1.24E+001	2.51E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.09E+000	1.16E+000	2.14E+000
U-234	NOT FOUND/DATA for	53.20 keV		-5.38E+001	2.20E+002	3.98E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.43E-003	9.02E-002	1.64E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.09E+000	1.16E+000	2.14E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.08E-001	4.26E-001	7.59E-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-0504-36
Sample Title: N WING TRENCH MARSIM SAMPLE #1
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.060E+002 grams
Sample Taken On: 4/4/2005 12:00:00 AM
Acquisition Started: 4/6/2005 9:38:10 AM
Live Time: 1200.0 seconds
Real Time: 1200.3 seconds
Dead Time: 0.02 %
Efficiency ID: pint

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	1.79E+001	7.69E+000	2.55E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		8.43E-002	1.05E-001	2.42E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.63E-003	6.31E-002	1.12E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.04E-002	8.68E-002	1.50E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.07E-002	2.28E-001	4.52E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.08E-002	8.67E-002	1.58E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.67E-002	2.57E-001	4.36E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-1.42E-002	9.09E-002	1.61E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.24E-002	9.65E-002	2.07E-001
TL-208	2.87E-001	1.34E-001	1.89E-001	FOUND		
PB-212	5.94E-001	1.83E-001	3.09E-001	FOUND		
BI-214	6.12E-001	9.14E-001	2.00E-001	FOUND		
PB-214	5.28E-001	5.44E-001	3.19E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.08E+000	1.87E+000	3.37E+000
AC-228	NOT FOUND/DATA for	338.32 keV		5.73E-001	5.59E-001	1.20E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-3.06E+001	4.82E+001	8.20E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.98E+000	3.11E+000	5.86E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-4.07E-001	3.64E-001	4.21E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.07E+001	1.99E+001	3.20E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.08E-001	1.32E+000	2.44E+000
U-234	NOT FOUND/DATA for	53.20 keV		-7.78E+000	6.05E+002	1.10E+003
U-235	NOT FOUND/DATA for	185.71 keV		5.81E-002	1.11E-001	2.02E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.08E-001	1.32E+000	2.44E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.35E-002	1.01E+000	1.83E+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-0504-37
Sample Title: N WING TRENCH MARSIM SAMPLE #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.345E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/6/2005 9:50:37 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	2.38E+001	7.79E+000	1.87E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-2.80E-002	9.04E-002	1.60E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.49E-003	7.57E-002	1.29E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			5.79E-002	1.10E-001	2.30E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.43E-001	2.07E-001	3.46E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-6.47E-002	9.24E-002	1.12E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-9.06E-002	2.07E-001	3.48E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.43E-002	8.71E-002	1.39E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-9.67E-003	9.96E-002	1.81E-001
TL-208	3.21E-001	6.75E-001	1.74E-001	FOUND		
PB-212	6.40E-001	1.74E-001	4.37E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			6.68E-001	2.55E-001	5.70E-001
PB-214	6.55E-001	2.06E-001	4.05E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.23E+000	1.76E+000	3.36E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.71E-001	5.11E-001	1.13E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-3.49E+000	3.18E+001	5.68E+001
PA-231	NOT FOUND/DATA for 300.02 keV			6.58E-001	2.97E+000	5.27E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.40E-001	3.27E-001	5.64E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			8.65E+000	1.26E+001	2.86E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-1.94E-001	1.45E+000	2.41E+000
U-234	NOT FOUND/DATA for 53.20 keV			-9.88E+000	2.62E+002	4.87E+002
U-235	NOT FOUND/DATA for 185.71 keV			5.00E-002	1.09E-001	2.03E-001
U-238	NOT FOUND/DATA for 92.60 keV			-1.94E-001	1.45E+000	2.41E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.84E-001	4.96E-001	8.87E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-38
Sample Title: N WING TRENCH MARSIM SAMPLE #3
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.420E+002 grams
Sample Taken On: 4/4/2005 12:00:00 AM
Acquisition Started: 4/6/2005 9:59:30 AM
Live Time: 1200.0 seconds
Real Time: 1200.3 seconds
Dead Time: 0.02 %
Efficiency ID: pint

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	1.57E+001	3.62E+000	2.38E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.10E-002	9.28E-002	2.03E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.76E-003	5.56E-002	1.01E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		6.31E-002	1.30E-001	2.93E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.94E-002	3.20E-001	5.50E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		4.40E-002	6.21E-002	1.51E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.79E-001	2.33E-001	4.98E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-4.57E-002	1.03E-001	1.87E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-1.02E-002	9.48E-002	1.79E-001
TL-208	3.00E-001	1.29E-001	1.79E-001	FOUND		
PB-212	6.54E-001	1.81E-001	3.10E-001	FOUND		
BI-214	4.94E-001	2.47E-001	4.56E-001	FOUND		
PB-214	5.75E-001	2.72E-001	3.65E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		6.19E-001	1.62E+000	2.93E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.65E-001	5.54E-001	1.30E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-8.97E+000	4.39E+001	7.77E+001
PA-231	NOT FOUND/DATA for	302.65 keV		-2.11E+000	3.42E+000	5.35E+000
PA-234	NOT FOUND/DATA for	131.20 keV		4.89E-002	2.41E-001	4.47E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.73E-001	2.08E+001	3.83E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.74E-001	1.08E+000	2.05E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.72E+002	6.02E+002	1.15E+003
U-235	NOT FOUND/DATA for	185.71 keV		2.58E-002	9.89E-002	1.76E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.74E-001	1.08E+000	2.05E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-5.83E-001	9.61E-001	1.65E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-039
Sample Title: WEST TRENCH MARSIM #4
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.945E+002 Grams
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/6/2005 4:32:45 PM
Live Time: 900.0 seconds
Real Time: 901.5 seconds
Dead Time: 0.17 %
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	2.25E+001	7.82E+000	1.62E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.45E-002	7.05E-002	1.52E-001
CO-57	NOT FOUND/DATA for	122.06 keV		6.20E-002	5.46E-002	1.04E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.27E-002	6.46E-002	1.46E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		6.37E-003	1.63E-001	3.08E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		4.11E-002	6.99E-002	1.40E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.45E-001	1.64E-001	2.59E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.36E-003	7.12E-002	1.30E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-5.09E-003	7.91E-002	1.49E-001
TL-208	3.52E-001	9.59E-002	1.15E-001	FOUND		
PB-212	7.76E-001	1.61E-001	3.55E-001	FOUND		
BI-214	6.33E-001	1.72E-001	3.30E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		4.58E-001	1.91E-001	4.10E-001
RA-226	NOT FOUND/DATA for	186.10 keV		3.73E-001	1.48E+000	2.72E+000
AC-228	1.02E+000	2.45E-001	4.28E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.24E+000	2.85E+001	5.14E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.16E-001	2.12E+000	3.80E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.24E-001	2.56E-001	4.06E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.24E+000	1.08E+001	2.03E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.47E-001	1.27E+000	2.23E+000
U-234	NOT FOUND/DATA for	53.20 keV		-6.29E+001	2.19E+002	3.94E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.36E-002	9.14E-002	1.73E-001
U-238	NOT FOUND/DATA for	92.60 keV		6.47E-001	1.27E+000	2.23E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.98E-001	4.56E-001	7.80E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-040
Sample Title: N WING TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.920E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/7/2005 7:22:09 AM
Live Time: 900.0 seconds
Real Time: 900.9 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	2.00E+001	8.39E+000	2.18E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.61E-002	8.37E-002	1.69E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.13E-002	7.68E-002	1.33E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.39E-002	7.97E-002	1.83E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.51E-001	2.22E-001	2.90E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.11E-002	7.20E-002	1.35E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.12E-001	1.83E-001	3.67E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.98E-002	6.56E-002	1.13E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.41E-002	8.15E-002	1.64E-001
TL-208	2.76E-001	9.59E-002	1.46E-001	FOUND		
PB-212	9.00E-001	2.87E-001	3.44E-001	FOUND		
BI-214	9.78E-001	7.82E-001	2.94E-001	FOUND		
PB-214	8.05E-001	6.79E-001	3.92E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.41E+000	1.63E+000	3.26E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.93E-001	4.19E-001	9.30E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-1.02E+001	2.94E+001	5.21E+001
PA-231	NOT FOUND/DATA for	300.02 keV		9.91E-001	2.65E+000	4.79E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.37E-001	2.71E-001	4.34E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-9.91E+000	1.40E+001	2.00E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.50E+000	1.38E+000	2.55E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.33E+002	2.55E+002	4.89E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.04E-001	1.01E-001	1.96E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.50E+000	1.38E+000	2.55E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.12E-001	4.93E-001	8.70E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-041
Sample Title: N WING TRENCH MARSIM #6
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.394E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/7/2005 7:41:43 AM
Live Time: 900.0 seconds
Real Time: 900.9 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	2.29E+001	6.36E+000	2.17E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.74E-002	9.54E-002	1.85E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.18E-002	7.59E-002	1.25E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			5.56E-002	9.39E-002	2.05E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			7.03E-003	2.61E-001	4.17E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-3.82E-002	8.33E-002	1.60E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.19E-001	2.07E-001	3.56E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-8.68E-002	8.58E-002	1.34E-001
CS-137	NOT FOUND/DATA for 661.66 keV			9.32E-002	1.03E-001	2.14E-001
TL-208	3.92E-001	3.73E-001	1.96E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			9.05E-001	2.31E-001	4.76E-001
BI-214	7.01E-001	2.10E-001	3.75E-001	FOUND		
PB-214	5.62E-001	4.73E-001	5.20E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.52E+000	1.74E+000	3.36E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.06E+000	4.42E-001	1.05E+000
TH-230	NOT FOUND/DATA for 67.67 keV			4.48E+000	3.31E+001	6.06E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.25E+000	2.87E+000	5.18E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.67E-001	2.99E-001	4.74E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.82E+000	1.46E+001	2.96E+001
TH-234	NOT FOUND/DATA for 92.60 keV			9.46E-001	1.39E+000	2.51E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.17E+002	2.83E+002	4.76E+002
U-235	NOT FOUND/DATA for 185.71 keV			-4.56E-004	1.10E-001	1.99E-001
U-238	NOT FOUND/DATA for 92.60 keV			9.46E-001	1.39E+000	2.51E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.20E-001	5.32E-001	9.67E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-042
Sample Title: N WING TRENCH MARSIM SAMPLE #7
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.018E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/5/2005 1:28:11 PM
Live Time: 3600.0 seconds
Real Time: 3606.1 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	2.30E+001	3.43E+000	7.15E-001	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.31E-002	3.85E-002	6.67E-002
CO-57	NOT FOUND/DATA for	122.06 keV		-5.25E-003	3.48E-002	5.71E-002
CO-60	NOT FOUND/DATA for	1173.24 keV		2.73E-002	4.13E-002	8.08E-002
ZN-65	NOT FOUND/DATA for	1115.55 keV		2.68E-002	9.54E-002	1.69E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		8.72E-003	3.32E-002	6.12E-002
SB-125	NOT FOUND/DATA for	427.89 keV		1.89E-002	8.76E-002	1.60E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.20E-003	3.11E-002	6.00E-002
CS-137	NOT FOUND/DATA for	661.66 keV		5.22E-002	4.08E-002	8.05E-002
TL-208	3.01E-001	5.12E-002	8.59E-002	FOUND		
PB-212	9.36E-001	2.17E-001	1.78E-001	FOUND		
BI-214	8.45E-001	2.14E-001	1.88E-001	FOUND		
PB-214	7.74E-001	2.81E-001	1.96E-001	FOUND		
RA-226	2.09E+000	2.20E+000	2.06E+000	FOUND		
AC-228	9.75E-001	2.35E-001	3.18E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		2.48E+000	1.49E+001	2.63E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.15E+000	1.37E+000	2.26E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.02E-001	1.33E-001	2.24E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.28E+000	6.32E+000	1.26E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.69E-001	6.44E-001	1.12E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.34E+001	1.25E+002	2.23E+002
U-235	1.27E-001	1.34E-001	1.25E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		8.69E-001	6.43E-001	1.12E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.96E-002	2.33E-001	4.09E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-43
Sample Title: N Wing Trench Marsim #8
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.540E+002 grams
Sample Taken On: 4/4/2005 12:00:00 AM
Acquisition Started: 4/7/2005 8:24:47 AM
Live Time: 924.4 seconds
Real Time: 924.6 seconds
Dead Time: 0.02 %
Efficiency ID: pint

	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	1.72E+001	1.40E+001	2.38E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-5.15E-003	1.07E-001	2.15E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.39E-002	5.92E-002	1.02E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-2.03E-002	1.13E-001	2.32E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		3.35E-002	2.82E-001	5.97E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-1.02E-002	1.08E-001	2.22E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.45E-001	2.16E-001	3.72E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.06E-002	8.42E-002	1.47E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.54E-002	1.05E-001	2.29E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.29E-001	1.66E-001	3.88E-001
PB-212	6.72E-001	2.06E-001	3.61E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		6.33E-001	3.22E-001	7.52E-001
PB-214	NOT FOUND/DATA for	351.92 keV		6.84E-001	2.84E-001	6.51E-001
RA-226	NOT FOUND/DATA for	186.10 keV		2.68E+000	1.92E+000	3.86E+000
AC-228	NOT FOUND/DATA for	911.21 keV		3.35E-001	5.77E-001	1.25E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.68E+001	4.62E+001	8.05E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.54E+000	2.54E+000	5.26E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-5.70E-002	2.65E-001	4.76E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.08E-001	2.08E+001	4.28E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.96E-001	1.42E+000	2.65E+000
U-234	NOT FOUND/DATA for	53.20 keV		-8.38E+002	7.05E+002	1.07E+003
U-235	NOT FOUND/DATA for	185.71 keV		1.37E-001	1.18E-001	2.32E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.96E-001	1.42E+000	2.65E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.19E-001	1.11E+000	1.98E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-044
Sample Title: N WING TRENCH MARSIM #9
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.182E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/7/2005 8:02:11 AM
Live Time: 900.0 seconds
Real Time: 900.7 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	2.19E+001	6.90E+000	2.41E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.61E-002	8.05E-002	1.44E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.92E-002	7.38E-002	1.24E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.62E-002	7.88E-002	1.69E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.19E-001	1.63E-001	2.64E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		5.79E-002	7.25E-002	1.54E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.54E-002	2.05E-001	3.70E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.46E-002	7.03E-002	1.18E-001
CS-137	NOT FOUND/DATA for	661.66 keV		9.65E-002	8.73E-002	1.90E-001
TL-208	3.52E-001	1.08E-001	1.63E-001	FOUND		
PB-212	9.91E-001	1.95E-001	3.86E-001	FOUND		
BI-214	1.36E+000	6.89E-001	3.70E-001	FOUND		
PB-214	1.08E+000	1.64E-001	4.30E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.05E+000	1.92E+000	3.76E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.09E+000	5.14E-001	1.13E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-3.54E+001	3.04E+001	4.93E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-2.99E-001	2.75E+000	4.58E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.95E-001	2.98E-001	5.25E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-9.00E-001	1.20E+001	2.34E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.11E-001	1.39E+000	2.41E+000
U-234	NOT FOUND/DATA for	53.20 keV		-8.31E+001	2.47E+002	4.37E+002
U-235	NOT FOUND/DATA for	185.71 keV		8.04E-002	1.18E-001	2.20E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.11E-001	1.39E+000	2.41E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.11E-001	5.28E-001	9.44E-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-0504-045
Sample Title: N WING TRENCH MARSIM SAMPLE #10
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.272E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/5/2005 12:58:58 PM
Live Time: 1663.8 seconds
Real Time: 1666.8 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	2.09E+001	4.96E+000	1.37E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-7.98E-004	5.04E-002	9.38E-002
CO-57	NOT FOUND/DATA for	122.06 keV		-2.21E-002	5.03E-002	8.12E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		4.84E-002	5.36E-002	1.21E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.81E-003	1.21E-001	2.18E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.14E-002	5.33E-002	8.76E-002
SB-125	NOT FOUND/DATA for	427.89 keV		2.42E-002	1.30E-001	2.44E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-8.77E-003	5.14E-002	9.23E-002
CS-137	NOT FOUND/DATA for	661.66 keV		6.67E-002	6.00E-002	1.23E-001
TL-208	4.17E-001	7.86E-002	1.11E-001	FOUND		
PB-212	8.40E-001	1.41E-001	2.55E-001	FOUND		
BI-214	7.93E-001	4.18E-001	2.15E-001	FOUND		
PB-214	7.60E-001	3.06E-001	2.69E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.22E+000	1.29E+000	2.38E+000
AC-228	9.93E-001	3.32E-001	4.22E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-4.07E+000	2.08E+001	3.64E+001
PA-231	NOT FOUND/DATA for	300.02 keV		9.57E-001	1.87E+000	3.26E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-7.10E-002	2.11E-001	3.35E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.03E+000	1.06E+001	1.73E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.77E-001	9.65E-001	1.67E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.56E+002	1.86E+002	3.49E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.63E-002	7.82E-002	1.42E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.77E-001	9.65E-001	1.67E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.68E-001	3.48E-001	6.45E-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-0504-046
Sample Title: N WING TRENCH MARSIM #11
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.931E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/7/2005 8:34:58 AM
Live Time: 900.0 seconds
Real Time: 901.0 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	2.72E+001	9.88E+000	3.33E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.09E-002	1.07E-001	2.03E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.45E-002	8.24E-002	1.43E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-4.89E-002	9.64E-002	1.73E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.66E-002	2.10E-001	4.16E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-1.14E-001	1.37E-001	1.96E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.53E-001	2.46E-001	3.90E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.19E-004	8.36E-002	1.56E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.93E-002	1.11E-001	2.20E-001
TL-208	4.30E-001	4.98E-001	2.02E-001	FOUND		
PB-212	1.28E+000	2.13E-001	4.02E-001	FOUND		
BI-214	1.18E+000	3.25E-001	3.95E-001	FOUND		
PB-214	8.54E-001	2.30E-001	4.36E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.00E+000	1.80E+000	3.53E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.25E+000	5.53E-001	1.25E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.85E+001	3.30E+001	6.52E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-7.84E-001	2.91E+000	4.83E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-6.65E-002	3.37E-001	5.45E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.94E+000	1.48E+001	2.76E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.35E+000	1.52E+000	2.77E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.67E+001	2.96E+002	5.45E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.37E-001	1.11E-001	2.19E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.35E+000	1.52E+000	2.77E+000
AM-241	NOT FOUND/DATA for	59.54 keV		5.66E-001	5.82E-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-0504-47
Sample Title: N Wing Trench Marsim #12
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.473E+002 grams
Sample Taken On: 4/4/2005 12:00:00 AM
Acquisition Started: 4/7/2005 8:33:01 AM
Live Time: 1200.0 seconds
Real Time: 1200.3 seconds
Dead Time: 0.02 %
Efficiency ID: pint

	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	1.88E+001	3.96E+000	2.02E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.18E-002	9.63E-002	1.80E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.50E-002	5.66E-002	1.01E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.14E-001	1.14E-001	2.91E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.83E-002	2.50E-001	4.63E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.88E-002	9.19E-002	1.40E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-8.42E-002	2.24E-001	4.00E-001
CS-134	NOT FOUND/DATA for	604.70 keV		2.84E-002	9.02E-002	1.85E-001
CS-137	NOT FOUND/DATA for	661.66 keV		6.40E-002	1.04E-001	2.23E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.32E-001	1.45E-001	3.10E-001
PB-212	5.85E-001	1.82E-001	3.19E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		6.90E-001	3.17E-001	7.10E-001
PB-214	4.92E-001	2.14E-001	3.94E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.81E+000	1.72E+000	3.26E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.48E-001	5.35E-001	1.27E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.55E+001	4.68E+001	8.28E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-7.68E-001	3.03E+000	4.76E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.36E-001	2.59E-001	4.25E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.36E-001	1.89E+001	3.81E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.33E+000	1.27E+000	2.49E+000
U-234	NOT FOUND/DATA for	53.20 keV		-3.52E+002	5.91E+002	9.91E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.19E-001	1.06E-001	2.03E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.33E+000	1.27E+000	2.49E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.98E-001	9.43E-001	1.67E+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-0504-048
Sample Title: N WING TRENCH MARSIM #13
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.177E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/7/2005 8:54:37 AM
Live Time: 900.0 seconds
Real Time: 900.8 seconds
Dead Time: 0.09 %
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	2.33E+001	8.72E+000	1.84E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.42E-002	7.40E-002	1.49E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.84E-002	6.95E-002	1.21E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		0.00E+000	7.74E-002	1.60E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-6.29E-002	1.81E-001	3.12E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.17E-003	7.99E-002	1.51E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.62E-002	2.18E-001	3.78E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.76E-002	6.78E-002	1.22E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-1.17E-002	9.02E-002	1.67E-001
TL-208	2.67E-001	3.28E-001	1.59E-001	FOUND		
PB-212	1.03E+000	1.97E-001	3.24E-001	FOUND		
BI-214	9.60E-001	7.58E-001	2.36E-001	FOUND		
PB-214	7.76E-001	2.59E-001	3.81E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.18E+000	1.65E+000	3.14E+000
AC-228	7.81E-001	2.80E-001	5.30E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-2.37E+001	2.90E+001	4.93E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.86E+000	2.70E+000	4.79E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.51E-001	2.99E-001	4.58E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.02E+000	1.28E+001	2.34E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-3.60E-001	1.42E+000	2.35E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.62E+001	2.48E+002	4.44E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.11E-002	1.02E-001	1.96E-001
U-238	NOT FOUND/DATA for	92.60 keV		-3.60E-001	1.42E+000	2.35E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.32E-001	4.99E-001	9.45E-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-0504-049
Sample Title: N WING TRENCH MARSIM SAMPLE #14
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.476E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/5/2005 12:00:09 PM
Live Time: 3600.0 seconds
Real Time: 3607.7 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	2.90E+001	4.14E+000	9.14E-001	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.20E-003	4.01E-002	7.29E-002
CO-57	NOT FOUND/DATA for	122.06 keV		-1.35E-002	3.78E-002	6.11E-002
CO-60	1.40E-001	4.90E-002	8.39E-002	FOUND		
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.12E-002	1.02E-001	1.67E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		7.93E-003	3.98E-002	7.24E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-4.11E-002	1.03E-001	1.79E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.49E-002	3.42E-002	6.73E-002
CS-137	6.36E-002	1.04E-001	8.12E-002	FOUND		
TL-208	3.78E-001	5.89E-002	9.62E-002	FOUND		
PB-212	1.44E+000	2.05E-001	2.02E-001	FOUND		
BI-214	9.45E-001	2.30E-001	2.33E-001	FOUND		
PB-214	9.14E-001	1.19E-001	2.24E-001	FOUND		
RA-226	3.45E+000	7.76E-001	2.27E+000	FOUND		
AC-228	1.20E+000	5.07E-001	3.34E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-8.72E+000	1.59E+001	2.72E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.43E+000	1.53E+000	2.50E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-7.73E-002	1.67E-001	2.59E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-7.47E-001	7.29E+000	1.31E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.43E-001	7.56E-001	1.30E+000
U-234	NOT FOUND/DATA for	53.20 keV		6.85E+001	1.48E+002	2.65E+002
U-235	2.10E-001	4.75E-002	1.38E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		8.43E-001	7.56E-001	1.30E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.02E-001	2.54E-001	4.40E-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-0504-060
Sample Title: WEST TRENCH MARSIM #1
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.217E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/7/2005 9:12:11 AM
Live Time: 900.0 seconds
Real Time: 900.7 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	2.11E+001	7.82E+000	1.90E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.20E-003	9.54E-002	1.63E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.11E-002	7.16E-002	1.15E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.43E-002	8.47E-002	1.81E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.66E-001	2.75E-001	2.99E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		5.17E-002	7.90E-002	1.67E-001
SB-125	NOT FOUND/DATA for	427.89 keV		4.07E-002	1.83E-001	3.65E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.45E-002	8.40E-002	1.46E-001
CS-137	NOT FOUND/DATA for	661.66 keV		6.41E-002	9.32E-002	1.94E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.16E-001	1.24E-001	2.65E-001
PB-212	1.27E+000	4.86E-001	3.58E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		5.77E-001	2.60E-001	5.66E-001
PB-214	4.85E-001	1.90E-001	3.31E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.01E+000	1.76E+000	3.27E+000
AC-228	NOT FOUND/DATA for	911.21 keV		7.81E-001	4.34E-001	9.92E-001
TH-230	NOT FOUND/DATA for	67.67 keV		1.08E+001	3.19E+001	6.03E+001
PA-231	NOT FOUND/DATA for	300.02 keV		8.63E-001	2.62E+000	4.77E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-5.30E-002	3.06E-001	5.05E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.81E+000	1.29E+001	2.01E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-3.80E-002	1.49E+000	2.49E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.07E+001	2.68E+002	4.88E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.11E-001	1.08E-001	2.09E-001
U-238	NOT FOUND/DATA for	92.60 keV		-3.80E-002	1.49E+000	2.49E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.37E-001	4.71E-001	9.29E-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-0504-061
Sample Title: WEST TRENCH MARSIM #2
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.255E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/6/2005 1:20:16 PM
Live Time: 1800.0 seconds
Real Time: 1802.6 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	2.40E+001	5.83E+000	1.56E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.88E-002	4.35E-002	9.15E-002
CO-57	NOT FOUND/DATA for	122.06 keV		5.15E-002	4.95E-002	8.87E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		1.07E-001	5.84E-002	1.44E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.59E-002	1.41E-001	2.35E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.85E-003	5.41E-002	9.93E-002
SB-125	NOT FOUND/DATA for	427.89 keV		6.18E-002	1.41E-001	2.67E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.54E-002	5.06E-002	7.62E-002
CS-137	NOT FOUND/DATA for	661.66 keV		4.43E-002	6.47E-002	1.27E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.19E-001	8.78E-002	1.83E-001
PB-212	9.14E-001	1.32E-001	2.56E-001	FOUND		
BI-214	7.40E-001	2.61E-001	2.79E-001	FOUND		
PB-214	5.78E-001	3.64E-001	2.65E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.39E+000	1.31E+000	2.41E+000
AC-228	7.71E-001	2.19E-001	4.39E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		4.68E+000	2.11E+001	3.88E+001
PA-231	NOT FOUND/DATA for	300.02 keV		9.62E-001	1.94E+000	3.40E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.82E-001	2.15E-001	3.26E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.30E+000	9.53E+000	1.82E+001
TH-234	NOT FOUND/DATA for	92.60 keV		9.87E-001	9.77E-001	1.74E+000
U-234	NOT FOUND/DATA for	53.20 keV		-6.70E+001	1.72E+002	3.04E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.71E-002	7.79E-002	1.40E-001
U-238	NOT FOUND/DATA for	92.60 keV		9.87E-001	9.77E-001	1.74E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-7.92E-002	3.45E-001	6.08E-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-0504-062
Sample Title: WEST TRENCH MARSIM #3
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.612E+002 G
Sample Taken On: 4/4/2005 11:15:00 AM
Acquisition Started: 4/7/2005 9:40:28 AM
Live Time: 900.0 seconds
Real Time: 900.8 seconds
Dead Time: 0.08 %
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	1.75E+001	7.01E+000	2.31E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.49E-002	7.67E-002	1.55E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-5.11E-002	6.21E-002	9.79E-002
CO-60	NOT FOUND/DATA for 1173.24 keV			3.47E-002	9.37E-002	1.92E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-5.78E-002	1.64E-001	2.82E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.26E-002	6.02E-002	9.58E-002
SB-125	NOT FOUND/DATA for 427.89 keV			1.25E-001	1.82E-001	3.66E-001
CS-134	NOT FOUND/DATA for 795.84 keV			-5.85E-002	6.92E-002	9.83E-002
CS-137	NOT FOUND/DATA for 661.66 keV			2.22E-002	7.97E-002	1.59E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.59E-001	1.18E-001	2.67E-001
PB-212	5.80E-001	1.56E-001	2.91E-001	FOUND		
BI-214	9.00E-001	7.34E-001	3.20E-001	FOUND		
PB-214	5.68E-001	4.96E-001	3.50E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			7.67E-002	1.65E+000	2.90E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.98E-001	3.69E-001	8.67E-001
TH-230	NOT FOUND/DATA for 67.67 keV			4.04E+000	2.59E+001	4.79E+001
PA-231	NOT FOUND/DATA for 302.65 keV			-4.88E+000	4.08E+000	4.43E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.55E-001	2.70E-001	4.32E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			7.20E+000	1.16E+001	2.54E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.04E-001	1.22E+000	2.07E+000
U-234	NOT FOUND/DATA for 53.20 keV			8.89E+001	2.28E+002	4.39E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.12E-001	9.54E-002	1.86E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.04E-001	1.22E+000	2.07E+000
AM-241	NOT FOUND/DATA for 59.54 keV			7.48E-003	4.47E-001	8.30E-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-0504-63
Sample Title: West Trench Marsim #4
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.899E+002 grams
Sample Taken On: 4/4/2005 12:00:00 AM
Acquisition Started: 4/7/2005 9:36:42 AM
Live Time: 1200.0 seconds
Real Time: 1200.3 seconds
Dead Time: 0.02 %
Efficiency ID: pint

	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	1.61E+001	3.82E+000	2.84E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.36E-002	1.07E-001	2.28E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.26E-002	6.82E-002	1.20E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.34E-002	9.10E-002	2.24E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.58E-001	2.46E-001	4.23E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.43E-002	8.46E-002	1.38E-001
SB-125	NOT FOUND/DATA for 427.89 keV			8.67E-002	1.99E-001	4.29E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.11E-001	1.21E-001	1.33E-001
CS-137	NOT FOUND/DATA for 661.66 keV			9.25E-002	9.67E-002	2.30E-001
TL-208	3.55E-001	1.49E-001	2.11E-001	FOUND		
PB-212	7.71E-001	2.04E-001	3.47E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			5.65E-001	3.11E-001	6.89E-001
PB-214	7.50E-001	2.52E-001	4.14E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.34E+000	1.81E+000	3.53E+000
AC-228	NOT FOUND/DATA for 338.32 keV			9.70E-001	6.48E-001	1.42E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.01E+001	4.44E+001	8.28E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-1.01E+000	2.42E+000	4.27E+000
PA-234	NOT FOUND/DATA for 98.44 keV			7.46E-003	2.91E-001	5.10E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-3.81E+001	7.74E+001	2.00E+001
TH-234	NOT FOUND/DATA for 92.60 keV			5.90E-001	1.28E+000	2.41E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.32E+002	6.77E+002	1.25E+003
U-235	NOT FOUND/DATA for 185.71 keV			1.19E-001	1.10E-001	2.11E-001
U-238	NOT FOUND/DATA for 92.60 keV			5.90E-001	1.28E+000	2.41E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.66E-001	9.98E-001	1.85E+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-0504-064
Sample Title: WEST TRENCH MARSIM #5
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.612E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/7/2005 9:57:04 AM
Live Time: 900.0 seconds
Real Time: 900.9 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	1.68E+001	6.30E+000	1.32E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			8.10E-003	6.86E-002	1.36E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.09E-002	6.58E-002	1.09E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			6.72E-003	5.45E-002	1.21E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			6.63E-003	1.19E-001	2.49E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.60E-002	5.88E-002	1.01E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-7.88E-002	1.95E-001	3.37E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.83E-002	6.44E-002	1.15E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.91E-002	7.40E-002	1.51E-001
TL-208	2.31E-001	8.49E-002	1.25E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			6.73E-001	1.83E-001	3.81E-001
BI-214	6.91E-001	9.22E-002	3.23E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			5.33E-001	2.18E-001	4.60E-001
RA-226	NOT FOUND/DATA for 186.10 keV			-1.95E-001	1.53E+000	2.70E+000
AC-228	NOT FOUND/DATA for 911.21 keV			6.99E-001	3.38E-001	8.07E-001
TH-230	NOT FOUND/DATA for 67.67 keV			1.23E+000	2.79E+001	5.15E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.18E+000	2.49E+000	4.50E+000
PA-234	NOT FOUND/DATA for 98.44 keV			2.26E-002	2.47E-001	4.28E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-7.36E+000	1.14E+001	1.98E+001
TH-234	NOT FOUND/DATA for 92.60 keV			4.03E-001	1.12E+000	1.99E+000
U-234	NOT FOUND/DATA for 53.20 keV			5.33E+001	2.45E+002	4.61E+002
U-235	NOT FOUND/DATA for 185.71 keV			5.31E-003	9.37E-002	1.69E-001
U-238	NOT FOUND/DATA for 92.60 keV			4.03E-001	1.12E+000	1.99E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-3.03E-001	3.99E-001	6.75E-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-0504-065
Sample Title: WEST TRENCH MARSIM #6
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.999E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/7/2005 10:19:41 AM
Live Time: 900.0 seconds
Real Time: 900.8 seconds
Dead Time: 0.09 %
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	1.90E+001	6.17E+000	1.67E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-5.03E-002	7.28E-002	8.80E-002
CO-57	NOT FOUND/DATA for	122.06 keV		1.44E-002	5.41E-002	9.43E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		-9.46E-003	6.22E-002	1.14E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		4.38E-002	1.68E-001	3.33E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.69E-003	6.42E-002	1.23E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.95E-002	1.51E-001	2.77E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.97E-002	5.38E-002	9.61E-002
CS-137	NOT FOUND/DATA for	661.66 keV		8.00E-003	7.25E-002	1.40E-001
TL-208	1.35E-001	6.95E-002	1.34E-001	FOUND		
PB-212	5.12E-001	1.36E-001	3.01E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		4.77E-001	1.79E-001	4.05E-001
PB-214	4.27E-001	1.98E-001	3.00E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		8.80E-001	1.35E+000	2.53E+000
AC-228	5.49E-001	2.78E-001	4.77E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-9.08E+000	2.44E+001	4.31E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-2.39E-001	1.96E+000	3.35E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.28E-001	2.34E-001	3.72E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.98E+000	9.45E+000	2.10E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-5.09E-002	1.13E+000	1.91E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.44E+001	2.02E+002	3.78E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.20E-001	8.13E-002	1.62E-001
U-238	NOT FOUND/DATA for	92.60 keV		-5.09E-002	1.13E+000	1.91E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-3.04E-001	4.13E-001	6.89E-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-0504-066
Sample Title: WEST TRENCH MARSIM #7
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.100E+002 Grams
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/6/2005 3:07:35 PM
Live Time: 1800.0 seconds
Real Time: 1802.6 seconds
Dead Time: 0.14 %
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	2.50E+001	2.61E+000	1.39E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.01E-001	5.98E-002	1.33E-001
CO-57	NOT FOUND/DATA for	122.06 keV		9.02E-003	5.52E-002	9.29E-002
CO-60	NOT FOUND/DATA for	1173.24 keV		7.35E-003	6.72E-002	1.29E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.67E-002	1.49E-001	2.15E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		2.83E-003	5.31E-002	9.97E-002
SB-125	NOT FOUND/DATA for	427.89 keV		1.58E-002	1.51E-001	2.79E-001
CS-134	NOT FOUND/DATA for	604.70 keV		8.09E-003	5.53E-002	1.01E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-2.93E-003	6.49E-002	1.17E-001
TL-208	3.85E-001	8.43E-002	1.49E-001	FOUND		
PB-212	1.17E+000	3.29E-001	3.53E-001	FOUND		
BI-214	8.85E-001	4.37E-001	2.38E-001	FOUND		
PB-214	7.82E-001	4.37E-001	2.65E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		6.77E-001	1.34E+000	2.43E+000
AC-228	9.51E-001	2.35E-001	4.08E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		3.23E+000	2.39E+001	4.32E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.39E+000	2.25E+000	3.83E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.53E-001	2.57E-001	3.83E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.96E+000	9.24E+000	1.91E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.43E+000	1.10E+000	1.96E+000
U-234	NOT FOUND/DATA for	53.20 keV		-9.43E+001	2.13E+002	3.69E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.70E-002	8.12E-002	1.48E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.43E+000	1.10E+000	1.96E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.04E-001	4.13E-001	7.28E-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-0504-67
Sample Title: West Trench Marsim #8
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.269E+002 grams
Sample Taken On: 4/6/2005 12:00:00 AM
Acquisition Started: 4/7/2005 10:26:56 AM
Live Time: 1200.0 seconds
Real Time: 1200.3 seconds
Dead Time: 0.02 %
Efficiency ID: pint

	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	1.35E+001	3.27E+000	2.21E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.04E-002	1.05E-001	2.26E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.51E-002	4.84E-002	7.88E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		-6.64E-003	7.53E-002	1.65E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.93E-002	2.25E-001	3.92E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		3.61E-003	5.98E-002	1.27E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.94E-002	2.08E-001	3.79E-001
CS-134	NOT FOUND/DATA for	604.70 keV		2.26E-002	8.77E-002	1.74E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.19E-002	7.72E-002	1.62E-001
TL-208	2.29E-001	1.04E-001	1.27E-001	FOUND		
PB-212	6.48E-001	1.66E-001	3.00E-001	FOUND		
BI-214	5.03E-001	2.20E-001	2.40E-001	FOUND		
PB-214	5.62E-001	1.64E-001	3.29E-001	FOUND		
RA-226	1.98E+000	1.15E+000	2.65E+000	FOUND		
AC-228	NOT FOUND/DATA for	911.21 keV		1.14E+000	5.49E-001	1.31E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.50E+001	4.20E+001	7.21E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.50E+000	2.68E+000	5.09E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.93E-002	2.08E-001	3.75E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-8.84E+000	1.71E+001	2.15E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.57E-001	1.18E+000	2.20E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.73E+002	5.46E+002	1.05E+003
U-235	1.20E-001	6.99E-002	1.61E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		4.57E-001	1.18E+000	2.20E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.31E-001	7.87E-001	1.42E+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-0504-68
Sample Title: West Trench Marsim #9
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.646E+002 grams
Sample Taken On: 4/6/2005 12:00:00 AM
Acquisition Started: 4/7/2005 10:56:47 AM
Live Time: 1200.0 seconds
Real Time: 1200.2 seconds
Dead Time: 0.02 %
Efficiency ID: pint

	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	1.54E+001	1.49E+001	2.76E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-5.81E-002	9.19E-002	1.49E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.56E-002	5.12E-002	9.07E-002
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.42E-002	8.42E-002	1.76E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-8.81E-002	1.81E-001	2.36E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.06E-003	8.17E-002	1.57E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.82E-002	2.37E-001	4.20E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.26E-002	8.72E-002	1.47E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.29E-003	1.06E-001	2.10E-001
TL-208	2.96E-001	1.25E-001	2.19E-001	FOUND		
PB-212	6.98E-001	4.42E-001	2.93E-001	FOUND		
BI-214	6.12E-001	9.81E-001	3.34E-001	FOUND		
PB-214	4.97E-001	2.06E-001	3.87E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.50E+000	1.77E+000	3.43E+000
AC-228	NOT FOUND/DATA for	911.21 keV		3.96E-001	3.76E-001	9.17E-001
TH-230	NOT FOUND/DATA for	67.67 keV		-3.33E+000	3.96E+001	7.24E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-5.07E-001	2.69E+000	4.58E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.45E-002	2.29E-001	4.18E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		7.77E-001	2.17E+001	3.94E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-7.39E-001	1.40E+000	2.39E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.45E+002	5.98E+002	1.00E+003
U-235	NOT FOUND/DATA for	185.71 keV		1.64E-001	1.06E-001	2.09E-001
U-238	NOT FOUND/DATA for	92.60 keV		-7.39E-001	1.40E+000	2.39E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.89E-002	9.66E-001	1.69E+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-0504-069
Sample Title: WEST TRENCH MARSIM #10
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.369E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/7/2005 10:51:00 AM
Live Time: 900.0 seconds
Real Time: 900.4 seconds
Dead Time: 0.05 %
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	2.04E+001	3.04E+000	2.77E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.58E-002	8.67E-002	1.75E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.77E-002	7.93E-002	1.29E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-1.90E-002	7.12E-002	1.42E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.01E-001	2.14E-001	2.91E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.33E-001	9.62E-002	1.40E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-6.32E-002	2.27E-001	4.11E-001
CS-134	NOT FOUND/DATA for 604.70 keV			7.97E-004	7.97E-002	1.50E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.93E-002	1.09E-001	2.07E-001
TL-208	2.95E-001	1.11E-001	1.82E-001	FOUND		
PB-212	1.65E+000	3.78E-001	3.09E-001	FOUND		
BI-214	1.05E+000	2.65E-001	3.88E-001	FOUND		
PB-214	7.93E-001	2.90E-001	4.05E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.64E+000	1.79E+000	3.46E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.73E-001	4.45E-001	1.04E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.25E+001	3.11E+001	6.24E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.00E+000	3.01E+000	5.42E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.04E-001	3.22E-001	5.24E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.19E+001	1.25E+001	2.97E+001
TH-234	NOT FOUND/DATA for 92.60 keV			6.85E-001	1.34E+000	2.39E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.26E+002	2.75E+002	4.78E+002
U-235	NOT FOUND/DATA for 185.71 keV			7.70E-002	1.12E-001	2.12E-001
U-238	NOT FOUND/DATA for 92.60 keV			6.85E-001	1.34E+000	2.39E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-7.39E-002	5.25E-001	9.47E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-070
Sample Title: WEST TRENCH MARSIM #11
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.254E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/7/2005 12:10:09 PM
Live Time: 900.0 seconds
Real Time: 900.7 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	2.14E+001	4.74E+000	2.44E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		9.72E-003	6.02E-002	1.20E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.81E-002	6.31E-002	1.03E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		6.31E-002	8.36E-002	1.91E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.36E-001	1.98E-001	4.14E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.04E-003	6.96E-002	1.29E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.41E-001	1.98E-001	4.02E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.55E-002	6.59E-002	1.16E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.69E-002	7.63E-002	1.53E-001
TL-208	4.35E-001	5.24E-001	1.23E-001	FOUND		
PB-212	7.72E-001	1.59E-001	4.02E-001	FOUND		
BI-214	6.47E-001	2.02E-001	3.14E-001	FOUND		
PB-214	6.66E-001	1.63E-001	4.05E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.01E+000	1.67E+000	3.26E+000
AC-228	9.33E-001	3.47E-001	4.62E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.04E+001	2.98E+001	5.62E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.65E+000	2.82E+000	4.98E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.04E-001	3.17E-001	4.56E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.05E+001	1.45E+001	1.92E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.20E-001	1.34E+000	2.33E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.39E+002	2.53E+002	3.93E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.79E-002	1.00E-001	1.93E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.20E-001	1.34E+000	2.33E+000
AM-241	NOT FOUND/DATA for	59.54 keV		5.04E-001	4.78E-001	9.64E-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-0504-071
Sample Title: WEST TRENCH MARSIM #12
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.715E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/7/2005 1:24:58 PM
Live Time: 900.0 seconds
Real Time: 901.2 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	2.20E+001	2.94E+000	1.76E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		7.34E-003	6.52E-002	1.30E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.32E-002	7.09E-002	1.24E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-4.16E-002	9.51E-002	1.59E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-5.76E-002	1.94E-001	2.77E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		4.01E-002	7.61E-002	1.54E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.11E-002	1.73E-001	3.33E-001
CS-134	NOT FOUND/DATA for	604.70 keV		5.85E-002	7.23E-002	1.50E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.60E-002	8.22E-002	1.60E-001
TL-208	2.46E-001	8.82E-002	1.54E-001	FOUND		
PB-212	9.69E-001	1.66E-001	2.79E-001	FOUND		
BI-214	8.24E-001	2.07E-001	2.85E-001	FOUND		
PB-214	7.10E-001	1.97E-001	3.42E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.90E+000	1.66E+000	3.21E+000
AC-228	NOT FOUND/DATA for	338.32 keV		5.25E-001	5.45E-001	1.08E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.35E+001	3.15E+001	5.90E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.56E+000	2.66E+000	4.67E+000
PA-234	NOT FOUND/DATA for	131.20 keV		1.04E-001	2.71E-001	4.65E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.41E+000	1.07E+001	1.95E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.34E-001	1.27E+000	2.23E+000
U-234	NOT FOUND/DATA for	53.20 keV		-6.48E+001	2.46E+002	4.39E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.13E-001	1.01E-001	1.95E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.34E-001	1.27E+000	2.23E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.25E-002	4.64E-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-0504-72
Sample Title: West Trench Marsim #13
Detector Name: 11%
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.686E+002 grams
Sample Taken On: 4/6/2005 12:00:00 AM
Acquisition Started: 4/7/2005 1:32:44 PM
Live Time: 1200.0 seconds
Real Time: 1200.3 seconds
Dead Time: 0.02 %
Efficiency ID: pint

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	1.60E+001	1.03E+001	1.62E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-2.59E-002	7.75E-002	1.33E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.19E-003	5.79E-002	1.05E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			9.69E-002	1.12E-001	2.84E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			3.76E-002	2.33E-001	4.79E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.61E-002	1.07E-001	1.95E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.24E-001	1.64E-001	3.74E-001
CS-134	NOT FOUND/DATA for 604.70 keV			1.32E-003	8.60E-002	1.61E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.20E-002	1.03E-001	2.09E-001
TL-208	NOT FOUND/DATA for 583.19 keV			4.11E-001	1.55E-001	3.58E-001
PB-212	5.05E-001	1.64E-001	2.87E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			4.97E-001	2.73E-001	6.11E-001
PB-214	8.16E-001	1.62E+001	3.30E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.71E+000	1.68E+000	3.18E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.27E-001	5.94E-001	1.35E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.12E+001	4.54E+001	8.29E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.25E+000	2.56E+000	4.98E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-2.79E-001	3.07E-001	4.24E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-8.04E+000	2.53E+001	3.49E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.30E-001	1.35E+000	2.47E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.82E+002	6.23E+002	1.15E+003
U-235	NOT FOUND/DATA for 185.71 keV			8.59E-002	1.03E-001	1.92E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.30E-001	1.35E+000	2.47E+000
AM-241	NOT FOUND/DATA for 59.54 keV			8.05E-001	9.10E-001	1.77E+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-0504-073
Sample Title: WEST TRENCH MARSIM #14
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.100E+002 Grams
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/6/2005 2:11:44 PM
Live Time: 1800.0 seconds
Real Time: 1802.8 seconds
Dead Time: 0.15 %
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	2.10E+001	4.83E+000	1.44E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-5.41E-002	6.46E-002	8.82E-002
CO-57	NOT FOUND/DATA for	122.06 keV		-4.66E-002	5.35E-002	8.30E-002
CO-60	NOT FOUND/DATA for	1173.24 keV		5.26E-003	5.59E-002	1.06E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.05E-002	1.28E-001	1.94E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.39E-002	5.27E-002	9.22E-002
SB-125	NOT FOUND/DATA for	427.89 keV		-4.46E-002	1.55E-001	2.69E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.83E-002	5.09E-002	8.68E-002
CS-137	NOT FOUND/DATA for	661.66 keV		5.62E-003	6.95E-002	1.28E-001
TL-208	2.93E-001	7.47E-002	1.26E-001	FOUND		
PB-212	8.75E-001	3.45E-001	2.70E-001	FOUND		
BI-214	6.32E-001	1.47E-001	1.33E-001	FOUND		
PB-214	5.18E-001	1.14E-001	3.05E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.82E+000	1.26E+000	2.40E+000
AC-228	8.27E-001	2.12E-001	4.40E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		1.43E+001	2.32E+001	4.27E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.58E-001	1.90E+000	3.29E+000
PA-234	NOT FOUND/DATA for	98.44 keV		9.68E-002	2.11E-001	3.63E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.06E+001	8.89E+000	2.00E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.22E+000	9.47E-001	1.72E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.05E+002	1.79E+002	3.38E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.13E-001	7.74E-002	1.48E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.22E+000	9.46E-001	1.72E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.01E-001	3.43E-001	6.36E-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-0504-083
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.475E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 8:33:45 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	1.82E+001	1.25E+001	3.10E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-6.03E-002	1.11E-001	1.77E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-7.75E-002	9.20E-002	1.41E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			9.30E-002	1.01E-001	2.62E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.11E-002	2.59E-001	5.11E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-2.45E-002	1.03E-001	1.91E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.78E-001	2.73E-001	5.95E-001
CS-134	NOT FOUND/DATA for 604.70 keV			1.07E-002	8.38E-002	1.65E-001
CS-137	NOT FOUND/DATA for 661.66 keV			9.42E-002	1.24E-001	2.67E-001
TL-208	3.26E-001	6.60E-001	1.72E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			7.95E-001	2.58E-001	5.49E-001
BI-214	5.49E-001	2.53E-001	4.16E-001	FOUND		
PB-214	6.75E-001	1.24E+000	3.87E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.56E+000	2.30E+000	4.71E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.90E-001	5.80E-001	1.35E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-8.83E+000	3.57E+001	6.49E+001
PA-231	NOT FOUND/DATA for 300.02 keV			8.19E-001	3.31E+000	6.01E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.04E-001	3.78E-001	6.24E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.45E+001	1.95E+001	4.40E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.26E+000	1.75E+000	3.38E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.82E+002	2.84E+002	4.88E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.40E-001	1.42E-001	2.80E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.26E+000	1.75E+000	3.38E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.05E-001	5.93E-001	1.14E+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-0504-084
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.948E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 8:55:28 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	1.91E+001	8.25E+000	2.17E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.43E-002	6.66E-002	1.43E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.86E-002	6.83E-002	1.09E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.62E-002	6.40E-002	1.54E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.02E-001	1.67E-001	2.52E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.92E-003	6.78E-002	1.30E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-8.80E-002	1.97E-001	3.31E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.48E-003	7.16E-002	1.29E-001
CS-137	NOT FOUND/DATA for	661.66 keV		9.20E-002	8.59E-002	1.84E-001
TL-208	2.64E-001	4.01E-001	1.57E-001	FOUND		
PB-212	6.69E-001	1.56E-001	3.36E-001	FOUND		
BI-214	5.63E-001	6.51E-001	3.62E-001	FOUND		
PB-214	6.64E-001	1.67E-001	3.63E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.61E+000	1.52E+000	2.99E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.64E-001	4.55E-001	1.03E+000
TH-230	NOT FOUND/DATA for	67.67 keV		3.92E+000	2.85E+001	5.30E+001
PA-231	NOT FOUND/DATA for	300.02 keV		6.10E-001	2.43E+000	4.39E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.03E-001	2.66E-001	4.72E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.39E+001	1.09E+001	2.76E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.30E+000	1.35E+000	2.47E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.22E+002	2.44E+002	3.86E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.80E-002	9.58E-002	1.87E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.30E+000	1.35E+000	2.47E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.27E-002	4.48E-001	8.32E-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-0504-085
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.216E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 9:23:42 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	1.94E+001	7.81E+000	2.07E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.47E-003	6.27E-002	1.27E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-4.84E-002	6.75E-002	1.08E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.53E-003	7.68E-002	1.59E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			3.02E-002	1.66E-001	3.37E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.04E-002	6.53E-002	1.21E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.77E-001	2.09E-001	4.48E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-8.58E-004	6.65E-002	1.24E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.56E-002	8.69E-002	1.78E-001
TL-208	1.86E-001	2.35E-001	1.61E-001	FOUND		
PB-212	7.49E-001	1.60E-001	2.58E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			6.67E-001	2.21E-001	5.10E-001
PB-214	5.49E-001	1.52E-001	3.74E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.28E+000	1.70E+000	3.22E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.81E-001	4.18E-001	9.44E-001
TH-230	NOT FOUND/DATA for 67.67 keV			1.93E+000	2.59E+001	4.79E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.82E+000	2.68E+000	4.81E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.04E-003	2.90E-001	4.93E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-3.26E+000	1.23E+001	2.21E+001
TH-234	NOT FOUND/DATA for 92.60 keV			7.81E-001	1.29E+000	2.30E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.43E+001	2.33E+002	4.29E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.23E-002	1.02E-001	1.95E-001
U-238	NOT FOUND/DATA for 92.60 keV			7.81E-001	1.29E+000	2.30E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.62E-002	5.13E-001	9.40E-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-0504-086
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.413E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 9:43:41 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	3.18E+000	2.07E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.09E-002	8.35E-002	1.75E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.58E-002	7.36E-002	1.17E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.34E-002	8.05E-002	1.76E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.06E-001	1.87E-001	3.27E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.28E-004	7.76E-002	1.49E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.97E-002	2.40E-001	4.32E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.62E-002	8.55E-002	1.53E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.70E-002	9.26E-002	1.97E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.17E-001	1.32E-001	2.89E-001
PB-212	NOT FOUND/DATA for	238.63 keV		5.00E-001	2.04E-001	4.10E-001
BI-214	7.31E-001	7.27E-001	4.45E-001	FOUND		
PB-214	4.52E-001	1.85E-001	3.76E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.10E+000	1.68E+000	3.21E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.15E-001	4.68E-001	1.05E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-4.83E+000	2.90E+001	5.24E+001
PA-231	NOT FOUND/DATA for	300.02 keV		4.58E+000	3.52E+000	5.94E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.27E-001	2.86E-001	5.06E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.52E+001	1.61E+001	3.83E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.13E-001	1.39E+000	2.47E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.81E+002	2.72E+002	5.03E+002
U-235	NOT FOUND/DATA for	185.71 keV		-5.53E-002	1.01E-001	1.75E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.13E-001	1.39E+000	2.47E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.70E-001	4.56E-001	7.98E-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-0504-087
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.263E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 9:57:49 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	2.45E+001	7.89E+000	1.64E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		9.84E-002	8.14E-002	1.88E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.99E-002	7.72E-002	1.28E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-9.45E-003	1.09E-001	1.83E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		5.94E-002	1.74E-001	3.66E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-7.36E-003	7.44E-002	1.42E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.42E-002	2.15E-001	4.08E-001
CS-134	NOT FOUND/DATA for	604.70 keV		4.71E-002	7.48E-002	1.56E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-7.66E-003	9.25E-002	1.74E-001
TL-208	5.04E-001	1.22E-001	1.63E-001	FOUND		
PB-212	8.32E-001	1.88E-001	3.44E-001	FOUND		
BI-214	6.13E-001	2.16E-001	3.25E-001	FOUND		
PB-214	7.87E-001	6.04E-001	4.08E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.83E+000	1.74E+000	3.53E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.87E-001	4.45E-001	1.03E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.27E+001	2.94E+001	5.14E+001
PA-231	NOT FOUND/DATA for	300.02 keV		8.32E-001	3.13E+000	5.55E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-9.85E-002	3.11E-001	5.12E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-5.45E+000	1.20E+001	2.18E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-2.11E-001	1.40E+000	2.35E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.45E+002	2.84E+002	4.78E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.59E-002	1.05E-001	2.04E-001
U-238	NOT FOUND/DATA for	92.60 keV		-2.11E-001	1.40E+000	2.35E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.89E-001	5.14E-001	9.73E-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-0504-088
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.400E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 10:24:11 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	2.09E+001	7.80E+000	1.05E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.70E-002	8.02E-002	1.65E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.22E-004	7.25E-002	1.24E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-2.83E-002	9.16E-002	1.62E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.04E-001	1.69E-001	2.91E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		2.27E-002	7.98E-002	1.58E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-8.34E-003	1.87E-001	3.56E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.68E-003	7.33E-002	1.38E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.06E-002	1.06E-001	1.93E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.86E-001	1.26E-001	2.92E-001
PB-212	9.25E-001	1.87E-001	3.94E-001	FOUND		
BI-214	7.46E-001	6.55E-001	3.77E-001	FOUND		
PB-214	6.57E-001	2.03E-001	3.70E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		9.37E-001	1.74E+000	3.29E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.49E-001	4.06E-001	9.82E-001
TH-230	NOT FOUND/DATA for	67.67 keV		3.11E+001	3.14E+001	6.22E+001
PA-231	NOT FOUND/DATA for	300.02 keV		4.68E-001	2.66E+000	4.78E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.81E-002	2.96E-001	4.98E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.77E+000	1.41E+001	2.96E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.07E+000	1.37E+000	2.49E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.10E+002	2.50E+002	4.39E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.45E-002	1.06E-001	2.00E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.07E+000	1.37E+000	2.49E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.66E-001	5.04E-001	9.55E-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-0504-089
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.476E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 10:41:56 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	2.28E+001	7.23E+000	1.52E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.25E-002	6.79E-002	1.39E-001
CO-57	NOT FOUND/DATA for 122.06 keV			6.87E-003	7.22E-002	1.23E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.77E-002	8.03E-002	1.75E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.39E-001	1.97E-001	4.23E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-9.33E-002	8.55E-002	1.16E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-9.69E-002	2.03E-001	3.42E-001
CS-134	NOT FOUND/DATA for 604.70 keV			0.00E+000	8.78E-002	1.59E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.02E-002	9.88E-002	2.00E-001
TL-208	3.40E-001	1.17E-001	1.97E-001	FOUND		
PB-212	8.63E-001	1.85E-001	3.66E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			6.44E-001	2.62E-001	5.73E-001
PB-214	9.12E-001	2.23E-001	3.61E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.29E+000	1.66E+000	3.45E+000
AC-228	NOT FOUND/DATA for 911.21 keV			8.26E-001	4.16E-001	9.72E-001
TH-230	NOT FOUND/DATA for 67.67 keV			5.02E+000	3.09E+001	5.64E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.89E+000	2.83E+000	5.07E+000
PA-234	NOT FOUND/DATA for 98.44 keV			7.23E-002	2.92E-001	5.09E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.06E+000	1.51E+001	3.04E+001
TH-234	1.79E+000	5.14E+000	3.12E+000	FOUND		
U-234	NOT FOUND/DATA for 53.20 keV			1.34E+002	2.82E+002	5.43E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.22E-001	1.03E-001	2.03E-001
U-238	1.79E+000	5.14E+000	3.12E+000	FOUND		
AM-241	NOT FOUND/DATA for 59.54 keV			3.48E-002	5.39E-001	1.00E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-090
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.861E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 10:57:48 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	2.14E+001	8.81E+000	1.61E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		9.26E-003	8.21E-002	1.55E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.32E-002	7.57E-002	1.30E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-2.87E-003	7.64E-002	1.56E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.45E-002	1.61E-001	2.74E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.88E-002	6.97E-002	1.40E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.36E-001	1.88E-001	3.85E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.54E-002	7.62E-002	1.44E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.74E-002	9.20E-002	1.86E-001
TL-208	2.50E-001	9.50E-002	1.46E-001	FOUND		
PB-212	1.05E+000	3.26E-001	3.94E-001	FOUND		
BI-214	8.21E-001	2.30E-001	3.31E-001	FOUND		
PB-214	7.50E-001	2.09E-001	3.88E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.38E+000	1.77E+000	3.60E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.78E-001	4.37E-001	1.01E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.86E+001	2.79E+001	4.82E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.55E+000	2.59E+000	4.72E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.18E-001	2.83E-001	4.99E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		7.03E+000	1.41E+001	2.99E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.64E-001	1.40E+000	2.42E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.40E+002	2.74E+002	5.28E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.19E-001	1.07E-001	2.07E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.64E-001	1.40E+000	2.42E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.01E-001	4.76E-001	8.41E-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 *****
****

Site Location: CE Windsor
Sample ID: MAC-0504-091
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.039E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 11:14:36 AM
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	2.29E+001	7.97E+000	2.77E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.65E-002	7.77E-002	1.67E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-7.82E-002	7.50E-002	1.13E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			6.58E-002	7.16E-002	1.85E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-7.23E-002	1.70E-001	3.06E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-1.60E-003	6.52E-002	1.38E-001
SB-125	NOT FOUND/DATA for 427.89 keV			7.65E-002	2.00E-001	4.03E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.60E-002	7.49E-002	1.37E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.43E-002	8.59E-002	1.74E-001
TL-208	3.49E-001	2.49E-001	1.66E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			7.13E-001	2.16E-001	4.46E-001
BI-214	NOT FOUND/DATA for 609.31 keV			9.34E-001	2.83E-001	6.48E-001
PB-214	7.96E-001	2.25E-001	5.02E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.69E+000	1.78E+000	3.58E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.55E-001	4.47E-001	1.02E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-2.46E+001	3.11E+001	5.16E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.03E+000	2.93E+000	5.33E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.31E-002	2.92E-001	4.98E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.97E+000	1.51E+001	2.99E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.38E+000	1.43E+000	2.63E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.35E+001	2.62E+002	4.69E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.04E-001	1.09E-001	2.10E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.38E+000	1.43E+000	2.63E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.45E-001	5.62E-001	1.06E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-092
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.845E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 11:30:15 AM
Live Time: 823.5 seconds
Real Time: 824.7 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	2.10E+001	8.62E+000	1.92E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.92E-002	7.66E-002	1.64E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.21E-003	7.50E-002	1.27E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		7.27E-002	1.01E-001	2.16E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.40E-002	1.92E-001	3.55E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		3.82E-002	7.59E-002	1.58E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.81E-001	2.19E-001	4.55E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.01E-002	8.12E-002	1.47E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-2.02E-004	8.17E-002	1.60E-001
TL-208	4.05E-001	1.13E-001	1.45E-001	FOUND		
PB-212	1.39E+000	5.08E-001	4.00E-001	FOUND		
BI-214	6.80E-001	2.14E-001	3.21E-001	FOUND		
PB-214	7.20E-001	1.84E-001	3.93E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		4.69E-001	1.88E+000	3.41E+000
AC-228	NOT FOUND/DATA for	911.21 keV		-6.97E-002	2.28E-001	1.13E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.18E+001	3.29E+001	5.28E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.90E+000	2.96E+000	5.34E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-1.16E-001	3.37E-001	5.37E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.34E+000	1.28E+001	2.67E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.13E-001	1.36E+000	2.43E+000
U-234	NOT FOUND/DATA for	53.20 keV		-3.81E+001	2.81E+002	5.05E+002
U-235	NOT FOUND/DATA for	185.71 keV		3.04E-003	1.09E-001	1.99E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.13E-001	1.36E+000	2.43E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.51E-001	5.79E-001	1.08E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-093
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.601E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 11:44:30 AM
Live Time: 900.0 seconds
Real Time: 901.5 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	2.04E+001	7.35E+000	1.83E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-2.24E-002	5.92E-002	1.09E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-7.41E-003	5.96E-002	1.00E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-9.48E-002	1.01E-001	1.22E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.94E-001	1.79E-001	3.99E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			2.50E-002	6.80E-002	1.36E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-4.68E-002	1.67E-001	3.06E-001
CS-134	NOT FOUND/DATA for 604.70 keV			8.20E-004	6.38E-002	1.22E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.04E-003	7.91E-002	1.51E-001
TL-208	2.91E-001	9.65E-002	1.58E-001	FOUND		
PB-212	8.52E-001	1.73E-001	3.32E-001	FOUND		
BI-214	6.83E-001	1.94E-001	3.03E-001	FOUND		
PB-214	7.96E-001	4.91E-001	3.38E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.93E+000	1.71E+000	3.25E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.06E+000	4.40E-001	1.01E+000
TH-230	NOT FOUND/DATA for 67.67 keV			6.35E-001	2.67E+001	4.90E+001
PA-231	NOT FOUND/DATA for 300.02 keV			9.49E-001	2.35E+000	4.26E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.07E-001	2.62E-001	4.62E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.63E+000	1.31E+001	2.55E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-9.97E-002	1.39E+000	2.32E+000
U-234	NOT FOUND/DATA for 53.20 keV			6.65E+001	2.29E+002	4.28E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.12E-001	1.03E-001	1.96E-001
U-238	NOT FOUND/DATA for 92.60 keV			-9.97E-002	1.39E+000	2.32E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.23E-001	4.38E-001	7.90E-001

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0504-094
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.214E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 12:19:19 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	1.92E+001	6.05E+000	1.48E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.36E-002	6.57E-002	1.32E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.59E-002	6.41E-002	1.12E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.69E-003	6.82E-002	1.42E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.69E-002	1.23E-001	2.34E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			6.08E-003	6.55E-002	1.16E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-4.24E-002	1.72E-001	3.01E-001
CS-134	NOT FOUND/DATA for 604.70 keV			2.32E-002	6.16E-002	1.23E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.29E-002	8.14E-002	1.55E-001
TL-208	3.33E-001	3.21E-001	1.60E-001	FOUND		
PB-212	8.64E-001	2.58E-001	3.65E-001	FOUND		
BI-214	7.44E-001	1.94E-001	2.69E-001	FOUND		
PB-214	8.27E-001	1.88E-001	2.76E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.55E+000	1.61E+000	3.18E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.06E+000	4.30E-001	9.76E-001
TH-230	NOT FOUND/DATA for 67.67 keV			-1.31E+001	2.97E+001	5.21E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.69E+000	2.12E+000	3.88E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.30E-001	2.43E-001	3.90E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.76E+000	1.31E+001	2.38E+001
TH-234	NOT FOUND/DATA for 92.60 keV			8.29E-001	1.19E+000	2.12E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.36E+002	2.38E+002	4.50E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.80E-002	9.72E-002	1.85E-001
U-238	NOT FOUND/DATA for 92.60 keV			8.29E-001	1.19E+000	2.12E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.70E-001	3.90E-001	7.57E-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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***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-096
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.046E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 12:51:12 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	2.17E+001	5.65E+000	1.98E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.67E-002	6.92E-002	1.29E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-6.40E-003	7.17E-002	1.21E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.68E-002	6.66E-002	1.62E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.46E-002	1.80E-001	3.16E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.90E-002	6.89E-002	1.13E-001
SB-125	NOT FOUND/DATA for	427.89 keV		4.26E-004	2.10E-001	3.91E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.40E-002	6.72E-002	1.11E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.38E-001	9.15E-002	2.03E-001
TL-208	3.40E-001	1.10E-001	1.56E-001	FOUND		
PB-212	8.91E-001	3.68E-001	3.26E-001	FOUND		
BI-214	6.87E-001	2.02E-001	3.05E-001	FOUND		
PB-214	7.65E-001	2.03E-001	3.56E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.77E+000	1.69E+000	3.27E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.01E+000	4.59E-001	1.04E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.74E+001	2.77E+001	5.40E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-5.90E-001	2.60E+000	4.39E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-5.88E-002	2.60E-001	4.31E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.38E+000	1.16E+001	1.97E+001
TH-234	NOT FOUND/DATA for	92.60 keV		9.26E-001	1.37E+000	2.45E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.50E+002	2.77E+002	4.69E+002
U-235	NOT FOUND/DATA for	185.71 keV		7.75E-002	1.00E-001	1.91E-001
U-238	NOT FOUND/DATA for	92.60 keV		9.26E-001	1.37E+000	2.45E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.15E-001	4.93E-001	9.30E-001

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location: CE Windsor
Sample ID: MAC-0504-097
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\2004lib_4_5.NLB
Sample Size: 8.749E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 1:06:44 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	1.98E+001	2.75E+000	1.50E+000	FOUND		
CO-60	NOT FOUND/DATA for	1173.22 keV		-4.20E-002	8.45E-002	1.37E-001
CD-109	NOT FOUND/DATA for	88.03 keV		1.62E+000	1.76E+000	3.36E+000
CS-137	NOT FOUND/DATA for	661.65 keV		5.92E-002	7.29E-002	1.56E-001
Tl-208	2.71E-001	8.78E-002	1.18E-001	FOUND		
PB-212	7.85E-001	1.67E-001	3.70E-001	FOUND		
BI-214	5.24E-001	1.82E-001	3.40E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		6.08E-001	2.10E-001	4.53E-001
RA-226	NOT FOUND/DATA for	186.21 keV		1.96E+000	1.56E+000	3.07E+000
AC-228	NOT FOUND/DATA for	911.60 keV		1.12E+000	4.35E-001	9.95E-001
PA-231	NOT FOUND/DATA for	301.50 keV		3.40E-001	2.79E+000	4.87E+000
PA-234	NOT FOUND/DATA for	131.20 keV		1.91E-001	2.71E-001	4.83E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.63E-001	1.20E+001	2.40E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.37E+000	2.71E+000	4.92E+000
U-235	NOT FOUND/DATA for	185.71 keV		9.24E-002	9.53E-002	1.85E-001
AM-241	NOT FOUND/DATA for	59.54 keV		2.02E-001	4.85E-001	9.18E-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-0504-098
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.184E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 1:27:04 PM
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	2.20E+001	1.11E+001	1.69E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.22E-002	9.40E-002	1.62E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.66E-002	8.45E-002	1.41E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		7.10E-002	9.69E-002	2.39E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.54E-002	2.21E-001	3.36E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-7.60E-002	9.34E-002	1.08E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.44E-003	2.68E-001	4.95E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.84E-002	7.19E-002	9.74E-002
CS-137	NOT FOUND/DATA for	661.66 keV		-2.55E-002	8.83E-002	1.67E-001
TL-208	3.06E-001	1.24E-001	2.00E-001	FOUND		
PB-212	7.35E-001	1.99E-001	3.82E-001	FOUND		
BI-214	4.75E-001	5.43E-001	3.30E-001	FOUND		
PB-214	9.17E-001	8.66E-001	4.27E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.34E+000	2.10E+000	4.16E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.96E-001	5.48E-001	1.27E+000
TH-230	NOT FOUND/DATA for	67.67 keV		9.31E+000	3.45E+001	6.56E+001
PA-231	NOT FOUND/DATA for	300.02 keV		5.73E-001	3.34E+000	5.87E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.17E-001	3.34E-001	5.94E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.38E+001	1.64E+001	3.86E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-7.50E-002	1.65E+000	2.82E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.55E+002	3.32E+002	6.74E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.11E-001	1.27E-001	2.63E-001
U-238	NOT FOUND/DATA for	92.60 keV		-7.50E-002	1.65E+000	2.82E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.15E-001	5.91E-001	1.18E+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-0504-099
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 1.008E+003 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 1:33:29 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	1.52E+001	2.73E+000	2.18E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-4.87E-002	8.99E-002	1.55E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.73E-004	6.45E-002	1.11E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		5.26E-002	6.36E-002	1.69E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		5.84E-002	1.53E-001	3.41E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		7.57E-002	6.74E-002	1.59E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-7.96E-002	2.06E-001	3.70E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.74E-002	7.95E-002	1.33E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.55E-002	8.32E-002	1.88E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.12E-001	1.16E-001	2.55E-001
PB-212	NOT FOUND/DATA for	238.63 keV		7.76E-001	2.09E-001	4.46E-001
BI-214	NOT FOUND/DATA for	609.31 keV		6.17E-001	2.53E-001	5.72E-001
PB-214	8.12E-001	5.59E-001	3.45E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		5.89E-001	1.65E+000	3.12E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.63E-001	4.49E-001	1.07E+000
TH-230	NOT FOUND/DATA for	67.67 keV		8.86E+000	3.06E+001	5.78E+001
PA-231	NOT FOUND/DATA for	283.67 keV		-3.77E+000	4.40E+000	5.28E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.00E-001	2.92E-001	5.12E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.49E-001	1.65E+001	2.99E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.69E+000	1.45E+000	2.72E+000
U-234	NOT FOUND/DATA for	53.20 keV		5.72E+001	2.79E+002	5.16E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.47E-002	9.93E-002	1.92E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.69E+000	1.45E+000	2.72E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.02E-001	4.90E-001	8.80E-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-0504-100
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.005E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 1:44:17 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	2.12E+001	3.81E+000	3.02E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			6.35E-002	1.09E-001	2.33E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-4.15E-003	9.36E-002	1.56E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			1.24E-001	1.30E-001	3.10E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.04E-002	2.10E-001	4.29E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.83E-002	9.48E-002	1.96E-001
SB-125	NOT FOUND/DATA for 427.89 keV			6.61E-003	2.73E-001	5.32E-001
CS-134	NOT FOUND/DATA for 604.70 keV			1.66E-002	8.94E-002	1.76E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.10E-001	1.26E-001	2.78E-001
TL-208	3.86E-001	1.50E-001	2.46E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			7.76E-001	2.78E-001	5.83E-001
BI-214	7.87E-001	2.83E-001	3.88E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			7.54E-001	3.48E-001	7.43E-001
RA-226	NOT FOUND/DATA for 186.10 keV			1.92E+000	2.33E+000	4.58E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.16E-001	5.03E-001	1.20E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.25E+001	4.50E+001	8.73E+001
PA-231	NOT FOUND/DATA for 300.02 keV			8.07E-001	3.21E+000	5.94E+000
PA-234	NOT FOUND/DATA for 883.24 keV			-1.16E-001	4.20E-001	8.60E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			6.32E+000	2.02E+001	4.31E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.90E+000	1.83E+000	3.44E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.00E+002	3.78E+002	6.56E+002
U-235	NOT FOUND/DATA for 185.71 keV			-5.65E-002	1.45E-001	2.54E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.90E+000	1.83E+000	3.44E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.59E-001	6.84E-001	1.24E+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-0504-101
Sample Title: B-5 SOUTH TRENCH FS SAMPLE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.544E+002 G
Sample Taken On: 4/6/2005 11:15:00 AM
Acquisition Started: 4/8/2005 1:54:47 PM
Live Time: 574.9 seconds
Real Time: 575.9 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	1.66E+001	1.39E+001	3.04E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.82E-002	9.02E-002	1.70E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.83E-002	9.05E-002	1.34E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-3.76E-002	1.17E-001	2.17E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		4.46E-002	2.40E-001	5.03E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-7.37E-002	1.03E-001	1.74E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.88E-002	2.44E-001	4.65E-001
CS-134	NOT FOUND/DATA for	604.70 keV		3.67E-002	9.55E-002	1.93E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.39E-001	1.35E-001	2.97E-001
TL-208	2.18E-001	1.23E-001	2.04E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		6.23E-001	2.53E-001	5.30E-001
BI-214	7.40E-001	2.88E-001	4.89E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		6.05E-001	2.89E-001	6.36E-001
RA-226	NOT FOUND/DATA for	186.10 keV		7.39E-001	2.02E+000	3.86E+000
AC-228	NOT FOUND/DATA for	911.21 keV		3.96E-001	5.53E-001	1.19E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.33E+001	3.92E+001	7.54E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.22E+000	3.20E+000	5.37E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-4.24E-001	4.81E-001	6.22E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.13E+000	1.46E+001	3.29E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.66E-001	1.71E+000	3.08E+000
U-234	NOT FOUND/DATA for	53.20 keV		4.45E+001	3.39E+002	6.49E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.16E-001	1.29E-001	2.54E-001
U-238	NOT FOUND/DATA for	92.60 keV		6.66E-001	1.71E+000	3.08E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.28E-001	6.89E-001	1.18E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

Site Location:	CE Windsor
Sample ID:	mac-0504-102
Sample Title:	bld-5 south trench fs samples
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	6.974E+002 g
Sample Taken On:	4/7/2005 11:15:00 AM
Acquisition Started:	4/11/2005 8:51:36 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	1.92E+001	1.17E+001	2.47E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.99E-002	1.16E-001	2.35E-001
CO-57	NOT FOUND/DATA for 122.06 keV			7.89E-002	9.89E-002	1.85E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			8.31E-003	1.02E-001	2.01E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.90E-002	2.38E-001	4.33E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.95E-002	1.11E-001	2.23E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-9.44E-002	2.55E-001	4.63E-001
CS-134	NOT FOUND/DATA for 604.70 keV			8.70E-003	9.63E-002	1.93E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-7.51E-002	1.12E-001	1.85E-001
TL-208	NOT FOUND/DATA for 583.19 keV			4.28E-001	1.75E-001	4.03E-001
PB-212	9.37E-001	5.81E-001	4.92E-001	FOUND		
BI-214	8.91E-001	2.98E-001	4.07E-001	FOUND		
PB-214	6.60E-001	4.30E-001	4.14E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.23E+000	2.10E+000	4.10E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.27E+000	6.46E-001	1.52E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.99E+001	4.11E+001	8.04E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.49E+000	3.81E+000	7.10E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.50E-001	3.58E-001	6.50E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			9.74E-001	1.75E+001	3.66E+001
TH-234	NOT FOUND/DATA for 92.60 keV			8.98E-001	1.76E+000	3.22E+000
U-234	NOT FOUND/DATA for 53.20 keV			-3.24E+001	3.64E+002	6.59E+002
U-235	NOT FOUND/DATA for 185.71 keV			3.83E-002	1.32E-001	2.49E-001
U-238	NOT FOUND/DATA for 92.60 keV			8.98E-001	1.76E+000	3.22E+000
AM-241	NOT FOUND/DATA for 59.54 keV			4.01E-001	6.27E-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-0504-103
Sample Title: bld-5 south trench fs samples
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.564E+002 g
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 9:02:42 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	2.17E+001	1.54E+001	2.88E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.70E-002	1.00E-001	1.87E-001
CO-57	NOT FOUND/DATA for 122.06 keV			3.88E-002	8.07E-002	1.48E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.53E-002	1.28E-001	2.59E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.71E-001	2.51E-001	5.52E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.56E-003	8.93E-002	1.73E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.04E-002	2.39E-001	4.61E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.93E-002	9.62E-002	1.71E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.22E-003	9.20E-002	1.81E-001
TL-208	2.63E-001	6.25E-001	2.14E-001	FOUND		
PB-212	1.13E+000	5.68E-001	4.10E-001	FOUND		
BI-214	7.41E-001	1.13E+000	3.11E-001	FOUND		
PB-214	9.17E-001	7.58E-001	4.55E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			-1.43E-001	2.16E+000	3.83E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.37E-001	5.49E-001	1.29E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.03E+001	3.70E+001	6.88E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.25E+000	3.07E+000	5.84E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.02E-001	3.39E-001	5.69E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-5.91E+000	1.65E+001	2.88E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-3.58E-002	1.74E+000	2.97E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.47E+002	3.34E+002	5.95E+002
U-235	NOT FOUND/DATA for 185.71 keV			5.37E-002	1.25E-001	2.35E-001
U-238	NOT FOUND/DATA for 92.60 keV			-3.58E-002	1.74E+000	2.97E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.15E-001	6.31E-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-0504-104
Sample Title:	B-5 south trench fs
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.490E+002 G
Sample Taken On:	4/7/2005 11:15:00 AM
Acquisition Started:	4/11/2005 9:24:39 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	2.13E+001	3.80E+000	2.65E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.62E-002	9.12E-002	1.77E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-5.89E-002	9.05E-002	1.43E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			4.21E-002	1.39E-001	2.90E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			5.13E-003	2.76E-001	4.34E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	2.01E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-7.26E-002	2.34E-001	4.31E-001
CS-134	NOT FOUND/DATA for 604.70 keV			6.09E-002	9.63E-002	2.05E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.01E-001	1.14E-001	2.53E-001
TL-208	NOT FOUND/DATA for 583.19 keV			1.89E-001	1.42E-001	3.07E-001
PB-212	NOT FOUND/DATA for 238.63 keV			9.14E-001	2.71E-001	5.77E-001
BI-214	NOT FOUND/DATA for 609.31 keV			6.54E-001	3.28E-001	7.26E-001
PB-214	6.23E-001	2.03E-001	5.11E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.38E+000	2.17E+000	4.20E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.66E-001	5.50E-001	1.30E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-2.12E+001	3.53E+001	6.11E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.03E+000	3.67E+000	6.80E+000
PA-234	NOT FOUND/DATA for 98.44 keV			3.91E-002	3.69E-001	6.42E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.08E+000	1.84E+001	3.63E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.15E+000	1.89E+000	3.43E+000
U-234	NOT FOUND/DATA for 53.20 keV			-7.38E+001	3.20E+002	5.88E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.75E-003	1.38E-001	2.53E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.15E+000	1.89E+000	3.43E+000
AM-241	NOT FOUND/DATA for 59.54 keV			6.03E-001	5.87E-001	1.25E+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-0504-105
Sample Title:	B-5 south trench fs
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	7.145E+002 G
Sample Taken On:	4/7/2005 11:15:00 AM
Acquisition Started:	4/11/2005 9:35:22 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	2.36E+001	3.89E+000	2.10E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			7.02E-002	7.91E-002	1.98E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.90E-002	9.83E-002	1.61E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			6.87E-002	1.23E-001	2.74E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-3.22E-002	2.47E-001	4.55E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-1.66E-001	1.45E-001	1.77E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.35E-001	2.84E-001	5.83E-001
CS-134	NOT FOUND/DATA for 604.70 keV			2.97E-004	1.02E-001	1.81E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.84E-002	1.29E-001	2.49E-001
TL-208	2.68E-001	1.17E-001	2.25E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			6.87E-001	2.56E-001	5.41E-001
BI-214	NOT FOUND/DATA for 609.31 keV			7.67E-001	3.22E-001	7.45E-001
PB-214	8.11E-001	1.19E+000	4.65E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.43E+000	2.34E+000	4.65E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.89E-001	6.61E-001	1.48E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-2.44E+001	3.90E+001	6.67E+001
PA-231	NOT FOUND/DATA for 300.02 keV			4.57E+000	3.95E+000	7.23E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.16E-001	3.83E-001	6.02E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.40E+000	1.84E+001	3.81E+001
TH-234	NOT FOUND/DATA for 92.60 keV			6.17E-001	1.85E+000	3.29E+000
U-234	NOT FOUND/DATA for 53.20 keV			-4.00E+002	3.46E+002	4.57E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.31E-001	1.44E-001	2.83E-001
U-238	NOT FOUND/DATA for 92.60 keV			6.17E-001	1.85E+000	3.29E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.99E-001	7.10E-001	1.39E+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-0504-106
Sample Title: B-5 south trench fs
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.105E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 9:47:13 AM
Live Time: 600.0 seconds
Real Time: 600.9 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	2.21E+001	9.56E+000	2.27E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-3.35E-002	1.14E-001	2.02E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-7.68E-002	9.10E-002	1.42E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			4.11E-002	6.19E-002	1.73E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			7.97E-002	2.00E-001	4.27E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			3.49E-002	9.71E-002	1.99E-001
SB-125	NOT FOUND/DATA for 427.89 keV			5.72E-002	2.73E-001	5.14E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-3.50E-002	7.32E-002	1.20E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-4.34E-002	8.53E-002	1.48E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.09E-001	1.55E-001	3.43E-001
PB-212	NOT FOUND/DATA for 238.63 keV			7.90E-001	2.64E-001	5.48E-001
BI-214	NOT FOUND/DATA for 609.31 keV			5.54E-001	2.73E-001	6.20E-001
PB-214	9.61E-001	2.76E-001	4.23E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.82E+000	2.14E+000	4.17E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.19E+000	5.56E-001	1.33E+000
TH-230	NOT FOUND/DATA for 67.67 keV			8.31E+000	3.81E+001	7.01E+001
PA-231	NOT FOUND/DATA for 300.02 keV			6.56E-001	3.28E+000	5.84E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.29E-001	3.69E-001	6.06E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.04E+000	1.79E+001	3.36E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.64E+000	1.63E+000	3.23E+000
U-234	NOT FOUND/DATA for 53.20 keV			7.01E+001	3.09E+002	6.01E+002
U-235	NOT FOUND/DATA for 185.71 keV			5.89E-002	1.37E-001	2.58E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.64E+000	1.63E+000	3.23E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.19E-001	5.39E-001	1.03E+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-0504-107
Sample Title: B-5 south trench fs
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.339E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 9:58:00 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	1.66E+001	3.12E+000	2.94E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.90E-003	1.05E-001	1.97E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.12E-002	8.21E-002	1.48E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-2.26E-002	8.35E-002	1.68E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-8.29E-002	1.84E-001	2.97E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.25E-002	7.44E-002	1.30E-001
SB-125	NOT FOUND/DATA for	427.89 keV		7.46E-002	2.40E-001	4.74E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.36E-002	8.66E-002	1.48E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-4.22E-003	9.96E-002	1.91E-001
TL-208	4.25E-001	3.02E-001	1.71E-001	FOUND		
PB-212	1.18E+000	5.78E-001	4.47E-001	FOUND		
BI-214	1.02E+000	8.78E-001	3.81E-001	FOUND		
PB-214	9.85E-001	1.86E-001	4.41E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.48E+000	1.99E+000	3.88E+000
AC-228	NOT FOUND/DATA for	911.21 keV		7.92E-001	5.78E-001	1.27E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.19E+001	3.99E+001	6.90E+001
PA-231	NOT FOUND/DATA for	300.02 keV		5.60E-001	2.96E+000	5.39E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.53E-001	3.21E-001	5.23E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-8.69E-001	1.41E+001	2.85E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.06E+000	1.60E+000	3.08E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.92E+001	2.73E+002	5.28E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.50E-002	1.25E-001	2.36E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.06E+000	1.60E+000	3.08E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-7.51E-002	6.08E-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-0504-108
Sample Title: B-5 south trench fs
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.960E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 10:09:38 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	2.06E+001	1.09E+001	1.87E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-7.21E-002	1.17E-001	2.06E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-4.13E-003	7.53E-002	1.31E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			8.35E-002	8.66E-002	2.31E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			8.79E-003	2.14E-001	4.35E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-1.11E-001	1.29E-001	1.26E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-9.06E-003	2.02E-001	3.88E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.18E-002	8.97E-002	1.62E-001
CS-137	NOT FOUND/DATA for 661.66 keV			8.98E-002	1.12E-001	2.44E-001
TL-208	NOT FOUND/DATA for 583.19 keV			2.87E-001	1.46E-001	3.27E-001
PB-212	NOT FOUND/DATA for 238.63 keV			7.54E-001	2.55E-001	5.34E-001
BI-214	5.82E-001	6.91E-001	4.67E-001	FOUND		
PB-214	7.52E-001	2.13E-001	4.30E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.32E+000	2.08E+000	4.14E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.67E-001	5.38E-001	1.22E+000
TH-230	NOT FOUND/DATA for 67.67 keV			6.64E+000	3.48E+001	6.64E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.94E-001	3.68E+000	6.31E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.01E-001	2.99E-001	5.41E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.22E+001	1.73E+001	3.96E+001
TH-234	2.08E+000	4.57E+000	3.40E+000	FOUND		
U-234	NOT FOUND/DATA for 53.20 keV			1.00E+002	3.23E+002	6.33E+002
U-235	NOT FOUND/DATA for 185.71 keV			4.50E-003	1.27E-001	2.33E-001
U-238	2.08E+000	4.57E+000	3.40E+000	FOUND		
AM-241	NOT FOUND/DATA for 59.54 keV			4.69E-001	7.09E-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-0504-109
Sample Title: B-5 south trench fs
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.375E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 10:20:24 AM
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	2.53E+001	1.14E+001	2.08E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			8.54E-002	9.23E-002	2.22E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-6.87E-002	9.44E-002	1.41E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.77E-002	1.23E-001	2.49E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			0.00E+000	0.00E+000	8.45E-002
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.52E-001	1.17E-001	8.24E-002
SB-125	NOT FOUND/DATA for 427.89 keV			-5.03E-002	2.20E-001	4.19E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.13E-001	9.97E-002	1.51E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.19E-002	1.31E-001	2.71E-001
TL-208	3.34E-001	1.32E-001	1.68E-001	FOUND		
PB-212	1.02E+000	2.45E-001	4.61E-001	FOUND		
BI-214	1.23E+000	1.34E+000	4.52E-001	FOUND		
PB-214	6.27E-001	9.57E-001	4.54E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			-7.74E-002	2.35E+000	4.27E+000
AC-228	1.10E+000	5.28E-001	9.03E-001	FOUND		
TH-230	NOT FOUND/DATA for 67.67 keV			2.26E+001	3.95E+001	7.80E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.77E+000	3.84E+000	6.91E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.83E-001	4.13E-001	5.92E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			9.27E+000	2.17E+001	4.46E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.09E+000	1.75E+000	3.21E+000
U-234	NOT FOUND/DATA for 53.20 keV			5.72E+001	2.90E+002	5.70E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.49E-002	1.42E-001	2.72E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.09E+000	1.75E+000	3.21E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.89E-001	6.11E-001	1.11E+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-0504-110
Sample Title: B-5 south trench fs
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.666E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 10:31:09 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	2.18E+001	1.17E+001	3.22E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.63E-003	1.02E-001	2.05E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-3.91E-002	8.97E-002	1.47E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		2.91E-002	1.30E-001	2.60E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-4.88E-002	1.84E-001	3.61E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.61E-002	8.42E-002	1.62E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.76E-002	2.62E-001	4.87E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.58E-002	9.39E-002	1.61E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.51E-002	1.09E-001	2.32E-001
TL-208	4.36E-001	1.41E-001	2.21E-001	FOUND		
PB-212	1.14E+000	4.97E-001	4.28E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		5.69E-001	3.25E-001	7.02E-001
PB-214	8.23E-001	2.24E-001	4.57E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.67E+000	2.37E+000	4.55E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.03E+000	6.03E-001	1.38E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.58E+001	3.71E+001	6.45E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.64E+000	3.16E+000	5.97E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-8.98E-002	3.52E-001	5.92E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.22E+000	1.67E+001	3.55E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.50E+000	1.66E+000	3.12E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.41E+002	3.51E+002	6.68E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.74E-002	1.40E-001	2.64E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.50E+000	1.66E+000	3.12E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.29E-001	6.53E-001	1.18E+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-0504-111
Sample Title: B-5 south trench fs
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.435E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 10:43:15 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	2.13E+001	1.29E+001	3.38E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.41E-003	8.83E-002	1.79E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-7.86E-002	9.46E-002	1.48E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-1.21E-002	8.69E-002	1.73E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.28E-001	2.17E-001	3.72E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		6.44E-002	1.05E-001	2.58E-001
SB-125	NOT FOUND/DATA for	427.89 keV		9.15E-002	2.80E-001	5.32E-001
CS-134	NOT FOUND/DATA for	795.84 keV		3.46E-002	7.85E-002	1.87E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.32E-003	1.29E-001	2.39E-001
TL-208	NOT FOUND/DATA for	583.19 keV		1.88E-001	1.40E-001	3.05E-001
PB-212	9.61E-001	3.82E-001	5.34E-001	FOUND		
BI-214	7.75E-001	7.40E-001	3.78E-001	FOUND		
PB-214	1.02E+000	2.81E-001	3.74E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		-3.51E-001	2.24E+000	3.98E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.33E+000	6.17E-001	1.47E+000
TH-230	NOT FOUND/DATA for	67.67 keV		4.43E+000	3.79E+001	6.88E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.07E+000	3.58E+000	6.66E+000
PA-234	NOT FOUND/DATA for	98.44 keV		7.58E-002	4.03E-001	7.07E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		6.09E-001	1.35E+001	2.93E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.54E-001	1.86E+000	3.27E+000
U-234	NOT FOUND/DATA for	53.20 keV		9.54E+001	3.20E+002	6.06E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.03E-001	1.40E-001	2.70E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.54E-001	1.86E+000	3.27E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.94E-001	6.48E-001	1.26E+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-0504-112
Sample Title: B-5 south trench fs
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.244E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 10:53:23 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	2.18E+001	1.10E+001	2.21E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.55E-002	9.49E-002	1.81E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.52E-002	8.43E-002	1.36E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.99E-002	9.99E-002	2.07E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-8.27E-002	2.15E-001	3.94E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	1.83E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.45E-001	2.20E-001	3.75E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.41E-002	9.15E-002	1.69E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.14E-001	1.08E-001	2.42E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.64E-001	1.66E-001	3.65E-001
PB-212	6.60E-001	1.98E-001	4.28E-001	FOUND		
BI-214	7.76E-001	2.73E-001	4.68E-001	FOUND		
PB-214	6.47E-001	3.17E-001	4.12E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.11E+000	1.77E+000	3.47E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.15E+000	5.49E-001	1.30E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.43E+001	3.55E+001	7.07E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.89E-001	3.42E+000	6.09E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-4.52E-001	3.71E-001	5.15E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			5.30E+000	1.48E+001	3.30E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.00E+000	1.46E+000	2.70E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.88E+002	2.96E+002	4.98E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.56E-002	1.07E-001	2.14E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.00E+000	1.46E+000	2.70E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-5.18E-002	5.82E-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: MAC-0504-113
Sample Title: B-5 south trench fs
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.468E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 11:03:53 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	2.16E+001	1.01E+001	2.69E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.73E-002	8.22E-002	1.85E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.11E-002	7.79E-002	1.44E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			8.73E-002	1.06E-001	2.57E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.48E-001	3.26E-001	2.93E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			4.65E-004	8.62E-002	1.63E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.68E-001	2.59E-001	5.48E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-4.49E-002	7.53E-002	1.32E-001
CS-137	NOT FOUND/DATA for 661.66 keV			8.19E-002	9.65E-002	2.17E-001
TL-208	4.42E-001	5.39E-001	2.01E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			8.03E-001	2.45E-001	5.14E-001
BI-214	8.61E-001	2.70E-001	4.08E-001	FOUND		
PB-214	6.53E-001	9.97E-001	3.72E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			5.25E-001	1.88E+000	3.53E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.05E-001	4.93E-001	1.13E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-9.67E+000	3.63E+001	6.34E+001
PA-231	NOT FOUND/DATA for 300.02 keV			4.22E+000	3.79E+000	6.72E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.33E-001	3.16E-001	4.56E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			7.68E+000	1.72E+001	3.73E+001
TH-234	NOT FOUND/DATA for 92.60 keV			4.49E-001	1.70E+000	2.99E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.65E+002	3.27E+002	5.43E+002
U-235	NOT FOUND/DATA for 185.71 keV			9.44E-002	1.13E-001	2.24E-001
U-238	NOT FOUND/DATA for 92.60 keV			4.49E-001	1.70E+000	2.99E+000
AM-241	NOT FOUND/DATA for 59.54 keV			3.53E-001	5.94E-001	1.17E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-114
Sample Title: BLD-5 SOUTH TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.786E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 1:00:14 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	2.41E+001	1.15E+001	2.55E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-2.07E-002	6.76E-002	1.30E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-7.26E-002	9.46E-002	1.48E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-5.03E-002	8.76E-002	1.56E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			3.75E-002	2.26E-001	4.44E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			4.09E-002	8.61E-002	1.85E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.22E-001	2.70E-001	4.64E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.09E-002	9.18E-002	1.51E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-5.40E-002	8.50E-002	1.41E-001
TL-208	3.04E-001	3.52E-001	1.62E-001	FOUND		
PB-212	9.52E-001	2.28E-001	4.73E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			7.05E-001	3.05E-001	6.91E-001
PB-214	NOT FOUND/DATA for 351.92 keV			8.92E-001	3.10E-001	6.93E-001
RA-226	NOT FOUND/DATA for 186.10 keV			2.21E+000	2.29E+000	4.48E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.04E+000	6.33E-001	1.42E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.06E-001	3.85E+001	7.10E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.33E+000	3.33E+000	6.17E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.74E-002	3.78E-001	6.40E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.11E+001	1.49E+001	3.49E+001
TH-234	NOT FOUND/DATA for 92.60 keV			5.98E-001	1.92E+000	3.37E+000
U-234	NOT FOUND/DATA for 53.20 keV			4.86E+001	3.51E+002	6.68E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.03E-001	1.38E-001	2.81E-001
U-238	NOT FOUND/DATA for 92.60 keV			5.98E-001	1.92E+000	3.37E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-4.80E-001	6.94E-001	1.16E+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-0504-115
Sample Title: BLD-5 SOUTH TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.513E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 1:11:17 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	1.71E+001	8.02E+000	3.06E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.48E-002	7.17E-002	1.56E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.23E-002	8.23E-002	1.44E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			1.58E-002	1.09E-001	2.11E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			3.47E-002	1.40E-001	3.25E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-3.99E-003	7.64E-002	1.72E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.90E-003	1.92E-001	3.79E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.55E-002	8.75E-002	1.52E-001
CS-137	NOT FOUND/DATA for 661.66 keV			8.76E-002	1.15E-001	2.41E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.30E-001	1.41E-001	3.24E-001
PB-212	NOT FOUND/DATA for 238.63 keV			6.21E-001	2.35E-001	4.86E-001
BI-214	5.58E-001	7.29E-001	3.59E-001	FOUND		
PB-214	8.05E-001	2.10E-001	3.84E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			4.10E+000	2.24E+000	4.58E+000
AC-228	NOT FOUND/DATA for 911.21 keV			8.89E-001	5.34E-001	1.22E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-5.51E+000	3.38E+001	6.11E+001
PA-231	NOT FOUND/DATA for 300.02 keV			6.02E-001	3.21E+000	5.73E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.57E-001	3.27E-001	5.33E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.27E+000	1.51E+001	3.20E+001
TH-234	NOT FOUND/DATA for 92.60 keV			8.11E-001	1.72E+000	3.08E+000
U-234	NOT FOUND/DATA for 53.20 keV			5.00E+001	2.99E+002	5.61E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.09E-001	1.35E-001	2.73E-001
U-238	NOT FOUND/DATA for 92.60 keV			8.11E-001	1.72E+000	3.08E+000
AM-241	NOT FOUND/DATA for 59.54 keV			9.88E-002	5.49E-001	1.06E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0504-116
Sample Title: BLD-5 SOUTH TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.470E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 1:22:33 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	2.13E+001	1.01E+001	4.16E-001	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.47E-003	9.27E-002	1.85E-001
CO-57	NOT FOUND/DATA for	122.06 keV		8.15E-002	8.17E-002	1.55E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-4.06E-002	1.14E-001	1.31E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.70E-002	2.36E-001	4.74E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-2.37E-002	1.05E-001	2.10E-001
SB-125	NOT FOUND/DATA for	427.89 keV		6.70E-002	2.58E-001	5.03E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.28E-002	9.10E-002	1.46E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.78E-001	1.17E-001	2.70E-001
TL-208	3.03E-001	1.22E-001	1.70E-001	FOUND		
PB-212	1.31E+000	6.03E-001	5.11E-001	FOUND		
BI-214	8.86E-001	2.75E-001	3.89E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		6.33E-001	2.93E-001	6.24E-001
RA-226	NOT FOUND/DATA for	186.10 keV		2.28E+000	1.93E+000	3.82E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.06E+000	5.56E-001	1.29E+000
TH-230	NOT FOUND/DATA for	67.67 keV		4.50E+000	3.38E+001	6.34E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.47E+000	3.45E+000	6.34E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.90E-001	4.17E-001	5.70E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.10E+000	1.79E+001	3.02E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.70E+000	1.75E+000	3.24E+000
U-234	NOT FOUND/DATA for	53.20 keV		4.65E+001	3.29E+002	6.24E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.23E-001	1.19E-001	2.37E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.70E+000	1.75E+000	3.24E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-8.71E-002	6.07E-001	1.05E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-117
Sample Title: BLD-5 SOUTH TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.459E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 1:33:16 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	1.71E+001	3.13E+000	2.82E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.43E-002	6.50E-002	1.46E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-9.30E-003	7.35E-002	1.27E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			5.71E-002	8.75E-002	2.17E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.18E-001	2.50E-001	3.27E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	1.78E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.52E-001	2.25E-001	4.80E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-3.05E-002	1.02E-001	1.87E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.98E-002	1.05E-001	2.24E-001
TL-208	NOT FOUND/DATA for 583.19 keV			2.03E-001	1.23E-001	2.76E-001
PB-212	6.88E-001	1.99E-001	4.22E-001	FOUND		
BI-214	5.76E-001	7.84E-001	4.28E-001	FOUND		
PB-214	6.61E-001	6.65E-001	4.30E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.38E+000	1.95E+000	4.06E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.72E-001	4.86E-001	1.13E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.14E+001	3.14E+001	6.15E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-1.56E+000	3.12E+000	4.92E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.86E-001	2.99E-001	5.56E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.74E+000	1.82E+001	3.40E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.70E+000	1.62E+000	3.05E+000
U-234	NOT FOUND/DATA for 53.20 keV			-8.80E+001	2.82E+002	4.97E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.05E-001	1.22E-001	2.39E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.70E+000	1.62E+000	3.05E+000
AM-241	NOT FOUND/DATA for 59.54 keV			5.44E-001	6.40E-001	1.28E+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-0504-118
Sample Title: BLD-5 SOUTH TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.271E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 1:44:01 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	2.09E+001	3.59E+000	2.59E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.40E-002	7.67E-002	1.49E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.71E-002	8.13E-002	1.43E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-5.26E-003	7.60E-002	1.70E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.97E-001	2.23E-001	2.59E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.37E-002	7.20E-002	1.31E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.08E-001	2.06E-001	4.37E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-4.82E-002	9.21E-002	1.56E-001
CS-137	NOT FOUND/DATA for 661.66 keV			7.60E-002	1.18E-001	2.42E-001
TL-208	2.44E-001	1.15E-001	1.86E-001	FOUND		
PB-212	1.18E+000	5.46E-001	4.14E-001	FOUND		
BI-214	5.60E-001	9.47E-001	4.12E-001	FOUND		
PB-214	6.17E-001	1.92E-001	3.86E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.41E+000	2.19E+000	4.15E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.02E+000	5.51E-001	1.28E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.28E+001	3.60E+001	7.14E+001
PA-231	NOT FOUND/DATA for 302.65 keV			-2.93E+000	4.37E+000	6.15E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-3.03E-002	3.31E-001	5.68E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			8.03E+000	1.30E+001	3.09E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.80E-001	1.66E+000	2.84E+000
U-234	NOT FOUND/DATA for 53.20 keV			7.22E+001	3.18E+002	6.09E+002
U-235	NOT FOUND/DATA for 185.71 keV			3.14E-002	1.37E-001	2.46E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.80E-001	1.66E+000	2.84E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.76E-001	5.55E-001	1.01E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-119
Sample Title: BLD-5 SOUTH TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.255E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 1:54:51 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	1.86E+001	1.12E+001	2.96E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.88E-002	8.87E-002	1.90E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.42E-002	8.66E-002	1.54E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-5.27E-003	7.64E-002	1.70E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.63E-001	2.46E-001	4.19E-001
AG-110m	NOT FOUND/DATA for 1384.30 keV			0.00E+000	0.00E+000	1.83E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.68E-002	2.55E-001	4.79E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.08E-001	9.79E-002	1.43E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-8.57E-003	8.75E-002	1.66E-001
TL-208	2.81E-001	1.25E-001	2.47E-001	FOUND		
PB-212	7.97E-001	2.13E-001	5.06E-001	FOUND		
BI-214	5.46E-001	8.90E-001	4.08E-001	FOUND		
PB-214	5.40E-001	9.69E-002	4.25E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.81E+000	2.06E+000	4.03E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.27E+000	5.47E-001	1.32E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-6.01E+000	3.65E+001	6.60E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.45E+000	3.26E+000	5.73E+000
PA-234	NOT FOUND/DATA for 569.50 keV			-4.28E-001	6.24E-001	7.73E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.65E+000	1.12E+001	2.36E+001
TH-234	NOT FOUND/DATA for 92.60 keV			6.27E-001	1.60E+000	2.87E+000
U-234	NOT FOUND/DATA for 53.20 keV			-7.55E+001	3.15E+002	5.68E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.44E-002	1.26E-001	2.30E-001
U-238	NOT FOUND/DATA for 92.60 keV			6.27E-001	1.60E+000	2.87E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.10E-001	5.52E-001	1.09E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-120
Sample Title: BLD-5 SOUTH TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.854E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 2:40:46 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	2.00E+001	1.16E+001	2.98E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.45E-002	9.92E-002	2.00E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.57E-002	8.05E-002	1.41E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.40E-002	8.39E-002	2.00E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-5.01E-002	1.82E-001	3.16E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.46E-002	9.74E-002	1.75E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.47E-002	2.40E-001	4.28E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.71E-002	9.85E-002	1.65E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-4.69E-002	1.02E-001	1.84E-001
TL-208	5.19E-001	2.07E-001	1.63E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		9.00E-001	2.70E-001	5.68E-001
BI-214	NOT FOUND/DATA for	609.31 keV		5.23E-001	2.78E-001	6.24E-001
PB-214	6.79E-001	2.60E-001	5.44E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.55E+000	2.10E+000	3.97E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.50E-001	5.24E-001	1.22E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-6.90E+000	3.83E+001	6.94E+001
PA-231	NOT FOUND/DATA for	300.02 keV		7.86E-001	3.20E+000	5.72E+000
PA-234	NOT FOUND/DATA for	926.00 keV		-7.46E-001	1.15E+000	8.61E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.10E+000	1.66E+001	2.77E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-8.06E-002	1.75E+000	2.99E+000
U-234	NOT FOUND/DATA for	53.20 keV		-5.97E+001	3.16E+002	5.85E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.69E-002	1.18E-001	2.32E-001
U-238	NOT FOUND/DATA for	92.60 keV		-8.06E-002	1.75E+000	2.99E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.93E-002	6.19E-001	1.15E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0504-121
Sample Title: BLD-5 SOUTH TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.107E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 2:52:28 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	1.70E+001	1.01E+001	2.95E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-3.55E-002	7.15E-002	1.24E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.91E-002	8.12E-002	1.30E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.45E-002	9.01E-002	2.02E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			2.21E-002	2.06E-001	4.02E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-2.49E-003	9.29E-002	1.77E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-5.43E-002	2.44E-001	4.34E-001
CS-134	NOT FOUND/DATA for 604.70 keV			2.19E-002	7.17E-002	1.42E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-4.05E-002	1.09E-001	1.82E-001
TL-208	3.40E-001	2.77E-001	1.77E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			7.87E-001	2.35E-001	4.94E-001
BI-214	5.96E-001	2.34E-001	3.63E-001	FOUND		
PB-214	7.46E-001	7.10E-001	3.42E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.74E+000	1.77E+000	3.52E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.34E+000	5.33E-001	1.28E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.69E+001	3.14E+001	6.15E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.36E+000	2.85E+000	5.28E+000
PA-234	NOT FOUND/DATA for 98.44 keV			3.28E-002	2.90E-001	5.10E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			4.33E+000	1.43E+001	2.99E+001
TH-234	NOT FOUND/DATA for 92.60 keV			9.27E-001	1.37E+000	2.51E+000
U-234	NOT FOUND/DATA for 53.20 keV			-6.17E+001	2.94E+002	5.34E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.93E-002	1.07E-001	2.02E-001
U-238	NOT FOUND/DATA for 92.60 keV			9.27E-001	1.37E+000	2.51E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-4.39E-001	5.93E-001	1.01E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-122
Sample Title: BLD-5 SOUTH TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.143E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 3:08:32 PM
Live Time: 600.0 seconds
Real Time: 600.9 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	1.98E+001	9.53E+000	3.06E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.08E-001	1.11E-001	2.47E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.07E-003	7.78E-002	1.35E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.92E-002	9.18E-002	2.10E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.45E-001	2.62E-001	3.99E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-7.30E-002	8.86E-002	1.43E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.91E-001	2.40E-001	5.36E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-6.51E-004	8.79E-002	1.71E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.72E-003	9.84E-002	1.95E-001
TL-208	2.84E-001	1.14E-001	1.48E-001	FOUND		
PB-212	7.92E-001	1.99E-001	4.89E-001	FOUND		
BI-214	7.11E-001	2.54E-001	3.95E-001	FOUND		
PB-214	8.66E-001	2.16E-001	4.14E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.03E+000	2.09E+000	4.12E+000
AC-228	NOT FOUND/DATA for 911.21 keV			8.83E-001	5.61E-001	1.26E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.40E+001	3.49E+001	6.18E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.13E+000	3.31E+000	6.17E+000
PA-234	NOT FOUND/DATA for 98.44 keV			4.12E-001	3.41E-001	6.39E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-5.28E+000	1.73E+001	3.14E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.99E+000	1.71E+000	3.37E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.13E+002	3.00E+002	6.08E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.23E-001	1.29E-001	2.52E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.99E+000	1.71E+000	3.37E+000
AM-241	NOT FOUND/DATA for 59.54 keV			5.83E-002	6.01E-001	1.13E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-123
Sample Title: BLD-5 SOUTH TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.683E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 3:20:18 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	2.04E+001	1.33E+001	2.99E+000	FOUND		
MN-54	NOT FOUND/DATA for		834.83 keV	5.78E-002	1.17E-001	2.47E-001
CO-57	NOT FOUND/DATA for		122.06 keV	1.20E-001	9.06E-002	1.76E-001
CO-60	NOT FOUND/DATA for		1332.50 keV	-1.41E-003	9.31E-002	2.04E-001
ZN-65	NOT FOUND/DATA for		1115.55 keV	-1.55E-001	2.04E-001	3.23E-001
AG-110m	NOT FOUND/DATA for		657.76 keV	-9.38E-002	1.08E-001	1.71E-001
SB-125	NOT FOUND/DATA for		427.89 keV	2.25E-001	2.57E-001	5.55E-001
CS-134	NOT FOUND/DATA for		604.70 keV	-7.86E-003	9.10E-002	1.68E-001
CS-137	NOT FOUND/DATA for		661.66 keV	-6.24E-002	1.22E-001	2.07E-001
TL-208	NOT FOUND/DATA for		583.19 keV	3.47E-001	1.65E-001	3.66E-001
PB-212	NOT FOUND/DATA for		238.63 keV	9.16E-001	2.78E-001	5.81E-001
BI-214	8.30E-001	2.74E-001	3.47E-001	FOUND		
PB-214	NOT FOUND/DATA for		351.92 keV	7.84E-001	2.90E-001	6.53E-001
RA-226	NOT FOUND/DATA for		186.10 keV	4.73E-001	2.32E+000	4.29E+000
AC-228	NOT FOUND/DATA for		911.21 keV	9.67E-001	5.82E-001	1.34E+000
TH-230	NOT FOUND/DATA for		67.67 keV	-4.66E+000	3.58E+001	6.66E+001
PA-231	NOT FOUND/DATA for		302.65 keV	-5.67E+000	5.41E+000	6.62E+000
PA-234	NOT FOUND/DATA for		98.44 keV	-1.17E-001	3.69E-001	5.75E-001
PA-234M	NOT FOUND/DATA for		1001.03 keV	1.13E+001	1.68E+001	3.74E+001
TH-234	NOT FOUND/DATA for		92.60 keV	2.27E+000	1.84E+000	3.50E+000
U-234	NOT FOUND/DATA for		53.20 keV	3.05E+002	3.29E+002	6.67E+002
U-235	NOT FOUND/DATA for		185.71 keV	8.96E-002	1.43E-001	2.68E-001
U-238	NOT FOUND/DATA for		92.60 keV	2.27E+000	1.84E+000	3.50E+000
AM-241	NOT FOUND/DATA for		59.54 keV	-2.59E-001	6.05E-001	1.02E+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-0504-124
Sample Title: BLD-5 SOUTH TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.092E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 3:30:49 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	1.97E+001	1.55E+001	3.43E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.06E-002	9.44E-002	2.03E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.85E-002	9.49E-002	1.69E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		4.17E-002	1.47E-001	2.95E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-6.76E-003	2.90E-001	5.68E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		7.75E-003	1.10E-001	2.15E-001
SB-125	NOT FOUND/DATA for	427.89 keV		9.37E-003	3.03E-001	5.93E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.03E-001	1.42E-001	1.93E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.70E-002	1.37E-001	2.82E-001
TL-208	NOT FOUND/DATA for	583.19 keV		1.48E-001	1.57E-001	3.34E-001
PB-212	8.74E-001	7.52E-001	5.23E-001	FOUND		
BI-214	6.87E-001	1.40E+000	5.11E-001	FOUND		
PB-214	9.00E-001	3.06E-001	4.76E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.68E+000	2.52E+000	4.91E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.05E+000	6.58E-001	1.54E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-3.97E+001	4.48E+001	7.35E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.87E+000	4.10E+000	7.76E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.13E-002	4.13E-001	7.07E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.23E+000	1.52E+001	3.20E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.88E+000	2.06E+000	3.89E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.05E+002	3.39E+002	6.73E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.56E-002	1.51E-001	2.95E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.88E+000	2.06E+000	3.89E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.18E-001	6.30E-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: MAC-0504-126
Sample Title: BLD-5 SOUTH EAST TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.280E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 3:41:55 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	2.05E+001	1.19E+001	2.83E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-4.93E-003	1.34E-001	2.61E-001
CO-57	NOT FOUND/DATA for 122.06 keV			7.12E-004	1.07E-001	1.85E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-1.38E-001	1.71E-001	2.29E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			2.06E-001	3.15E-001	6.91E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			6.28E-002	1.20E-001	2.56E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.35E-001	2.98E-001	6.30E-001
CS-134	NOT FOUND/DATA for 604.70 keV			3.33E-002	1.09E-001	2.14E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-3.74E-002	1.11E-001	2.05E-001
TL-208	4.30E-001	1.65E-001	2.49E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			9.78E-001	3.28E-001	6.85E-001
BI-214	1.24E+000	1.08E+000	3.45E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			5.11E-001	3.29E-001	6.97E-001
RA-226	NOT FOUND/DATA for 186.10 keV			1.89E+000	2.68E+000	5.20E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.50E-001	6.26E-001	1.47E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-3.08E+000	4.83E+001	8.67E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-2.23E+000	4.25E+000	6.76E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.72E-001	4.33E-001	6.85E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-6.13E+000	1.71E+001	2.68E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.87E+000	2.11E+000	3.93E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.61E+002	5.29E+002	6.86E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.21E-002	1.61E-001	3.08E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.87E+000	2.11E+000	3.93E+000
AM-241	NOT FOUND/DATA for 59.54 keV			7.11E-001	7.92E-001	1.62E+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-0504-127
Sample Title: BLD-5 SOUTH EAST TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.883E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 3:53:32 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	2.24E+001	1.13E+001	2.98E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-4.11E-002	1.05E-001	1.93E-001
CO-57	NOT FOUND/DATA for 122.06 keV			6.14E-002	8.61E-002	1.63E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			1.14E-001	1.33E-001	3.03E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.76E-001	2.73E-001	4.72E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			2.83E-002	8.90E-002	1.91E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.60E-002	3.15E-001	5.58E-001
CS-134	NOT FOUND/DATA for 604.70 keV			1.25E-002	8.35E-002	1.71E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.27E-002	9.91E-002	1.99E-001
TL-208	NOT FOUND/DATA for 583.19 keV			2.32E-001	1.53E-001	3.40E-001
PB-212	7.76E-001	2.20E-001	4.89E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			5.94E-001	3.22E-001	7.21E-001
PB-214	7.31E-001	2.78E-001	5.17E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.78E+000	2.34E+000	4.57E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.27E+000	6.91E-001	1.58E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-3.20E+001	4.44E+001	7.56E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.62E+000	3.69E+000	6.87E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.11E-001	3.93E-001	6.34E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-2.30E+000	1.01E+001	1.94E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.56E+000	1.87E+000	3.50E+000
U-234	NOT FOUND/DATA for 53.20 keV			-3.97E+001	3.72E+002	6.94E+002
U-235	NOT FOUND/DATA for 185.71 keV			3.25E-002	1.47E-001	2.73E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.56E+000	1.87E+000	3.50E+000
AM-241	NOT FOUND/DATA for 59.54 keV			6.92E-002	6.23E-001	1.19E+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-0504-128
Sample Title: BLD-5 SOUTH EAST TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.048E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 4:04:18 PM
Live Time: 600.0 seconds
Real Time: 601.1 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	2.68E+001	1.42E+001	2.77E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.47E-002	1.40E-001	2.04E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.57E-002	1.12E-001	1.94E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		5.75E-002	1.15E-001	2.83E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.67E-001	3.98E-001	5.72E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-7.23E-002	9.80E-002	1.64E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.69E-001	2.82E-001	4.87E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-1.45E-002	1.20E-001	2.30E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.35E-002	1.41E-001	2.74E-001
TL-208	3.79E-001	5.97E-001	2.82E-001	FOUND		
PB-212	9.72E-001	2.53E-001	6.84E-001	FOUND		
BI-214	1.13E+000	1.19E+000	3.62E-001	FOUND		
PB-214	5.31E-001	2.32E-001	6.82E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		-1.45E-001	2.42E+000	4.44E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.70E-001	5.58E-001	1.39E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.07E+001	4.38E+001	8.60E+001
PA-231	NOT FOUND/DATA for	302.65 keV		-4.45E+000	5.73E+000	7.83E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-4.31E-001	5.65E-001	7.80E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-7.49E+000	1.57E+001	2.78E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.77E+000	2.15E+000	4.02E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.87E+000	3.91E+002	6.96E+002
U-235	NOT FOUND/DATA for	185.71 keV		3.90E-002	1.48E-001	2.81E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.77E+000	2.15E+000	4.02E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.80E-002	6.86E-001	1.33E+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-0504-129
Sample Title: BLD-5 SOUTH EAST TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.440E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 4:16:45 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	2.48E+001	1.11E+001	2.49E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.09E-002	1.07E-001	2.06E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.74E-002	1.03E-001	1.68E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		8.28E-002	9.93E-002	2.66E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		3.13E-002	2.50E-001	5.05E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-4.49E-002	1.93E-001	1.96E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.45E-001	3.29E-001	6.62E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.33E-002	1.19E-001	2.09E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.59E-002	1.28E-001	2.47E-001
TL-208	4.72E-001	1.54E-001	1.33E-001	FOUND		
PB-212	1.15E+000	6.79E-001	5.15E-001	FOUND		
BI-214	6.02E-001	2.77E-001	4.16E-001	FOUND		
PB-214	8.87E-001	3.17E-001	5.62E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.95E+000	2.69E+000	5.21E+000
AC-228	NOT FOUND/DATA for	968.97 keV		4.47E-001	8.30E-001	1.81E+000
TH-230	NOT FOUND/DATA for	67.67 keV		1.11E+001	4.65E+001	8.82E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.15E+000	3.79E+000	6.46E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.96E-002	3.96E-001	6.95E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.13E+000	1.69E+001	3.69E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.24E+000	1.90E+000	3.68E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.56E+002	3.97E+002	8.08E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.76E-002	1.61E-001	3.06E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.24E+000	1.90E+000	3.68E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.27E-001	7.46E-001	1.40E+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-0504-130
Sample Title: BLD-5 SOUTH EAST TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.731E+002 G
Sample Taken On: 4/7/2005 11:15:00 AM
Acquisition Started: 4/11/2005 4:28:20 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	2.20E+001	1.49E+001	2.41E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.24E-002	1.27E-001	2.54E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.35E-003	9.24E-002	1.61E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		1.47E-002	1.16E-001	2.33E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-4.28E-002	3.19E-001	5.97E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-8.77E-003	7.35E-002	1.48E-001
SB-125	NOT FOUND/DATA for	427.89 keV		5.58E-002	2.76E-001	5.54E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-1.44E-001	1.11E-001	1.46E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.36E-002	1.24E-001	2.46E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.69E-001	1.56E-001	3.72E-001
PB-212	NOT FOUND/DATA for	238.63 keV		8.88E-001	3.00E-001	6.29E-001
BI-214	8.98E-001	3.15E-001	4.19E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		2.53E-001	2.65E-001	5.46E-001
RA-226	NOT FOUND/DATA for	186.10 keV		3.33E-002	2.41E+000	4.35E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.06E+000	5.80E-001	1.40E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-8.49E+000	3.99E+001	7.35E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.22E+000	3.94E+000	7.36E+000
PA-234	NOT FOUND/DATA for	98.44 keV		5.64E-002	3.81E-001	6.65E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.47E+001	1.95E+001	4.88E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.16E-001	1.73E+000	3.07E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.53E+002	3.39E+002	6.83E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.18E-001	1.47E-001	2.82E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.16E-001	1.73E+000	3.07E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.78E-001	6.21E-001	1.14E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-131
Sample Title: BLD-5 SOUTH EAST TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.049E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/11/2005 4:39:49 PM
Live Time: 600.0 seconds
Real Time: 600.9 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	2.32E+001	1.28E+001	2.64E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		8.44E-002	1.25E-001	2.82E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.88E-002	1.08E-001	1.94E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		1.03E-001	1.29E-001	3.14E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.47E-001	2.47E-001	3.53E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		4.19E-002	1.04E-001	2.16E-001
SB-125	NOT FOUND/DATA for	427.89 keV		1.17E-001	2.86E-001	5.97E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-5.60E-002	1.11E-001	1.94E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.00E-002	1.16E-001	2.51E-001
TL-208	NOT FOUND/DATA for	583.19 keV		1.97E-001	1.65E-001	3.56E-001
PB-212	1.21E+000	6.87E-001	3.81E-001	FOUND		
BI-214	9.77E-001	3.32E-001	3.57E-001	FOUND		
PB-214	5.32E-001	2.63E-001	4.37E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.04E+000	2.46E+000	4.89E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.07E+000	6.80E-001	1.58E+000
TH-230	NOT FOUND/DATA for	67.67 keV		8.48E+000	4.23E+001	7.87E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.29E+000	3.99E+000	7.30E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.12E-001	3.93E-001	7.12E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.76E+000	2.45E+001	4.75E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.63E+000	1.77E+000	3.41E+000
U-234	NOT FOUND/DATA for	53.20 keV		-9.77E+001	4.25E+002	7.75E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.03E-001	1.47E-001	3.07E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.63E+000	1.77E+000	3.41E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-5.12E-002	6.35E-001	1.20E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-132
Sample Title: BLD-5 SOUTH EAST TRENCH SAMPLES
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.007E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/11/2005 4:55:45 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	2.41E+001	1.20E+001	3.55E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.80E-002	9.75E-002	2.21E-001
CO-57	NOT FOUND/DATA for 122.06 keV			4.65E-002	1.03E-001	1.87E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			1.04E-001	1.31E-001	3.26E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			7.02E-002	2.58E-001	5.40E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.00E-002	1.19E-001	2.06E-001
SB-125	NOT FOUND/DATA for 427.89 keV			5.14E-002	2.45E-001	5.14E-001
CS-134	NOT FOUND/DATA for 604.70 keV			1.18E-002	1.12E-001	2.15E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-3.69E-002	1.16E-001	1.99E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.46E-001	1.68E-001	3.95E-001
PB-212	NOT FOUND/DATA for 238.63 keV			5.46E-001	2.62E-001	5.54E-001
BI-214	8.23E-001	3.16E-001	4.50E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			5.50E-001	3.21E-001	6.98E-001
RA-226	NOT FOUND/DATA for 186.10 keV			7.08E-001	2.44E+000	4.65E+000
AC-228	NOT FOUND/DATA for 911.21 keV			6.95E-001	5.67E-001	1.33E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.54E+000	4.45E+001	8.38E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.01E+000	3.65E+000	6.78E+000
PA-234	NOT FOUND/DATA for 98.44 keV			2.32E-001	3.99E-001	6.97E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			6.22E+000	1.91E+001	4.25E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-3.49E-001	1.95E+000	3.32E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.25E+002	3.46E+002	7.00E+002
U-235	NOT FOUND/DATA for 185.71 keV			4.89E-002	1.48E-001	2.83E-001
U-238	NOT FOUND/DATA for 92.60 keV			-3.49E-001	1.95E+000	3.32E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.65E-001	6.05E-001	1.11E+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-0504-133
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

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	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

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***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-134
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.966E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 7:08:11 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	2.37E+001	4.00E+000	2.00E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-4.05E-002	9.28E-002	1.62E-001
CO-57	NOT FOUND/DATA for 122.06 keV			4.28E-002	9.91E-002	1.79E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			6.24E-002	9.55E-002	2.45E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			2.38E-001	2.70E-001	6.22E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-2.19E-002	9.23E-002	1.81E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.49E-002	2.93E-001	5.19E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-3.41E-002	1.02E-001	1.85E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.20E-001	1.22E-001	2.72E-001
TL-208	3.03E-001	3.08E-001	2.23E-001	FOUND		
PB-212	8.36E-001	2.33E-001	4.69E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			7.33E-001	3.31E-001	7.56E-001
PB-214	5.90E-001	2.09E-001	4.84E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.60E+000	2.19E+000	4.48E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.32E+000	6.55E-001	1.54E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.97E+001	4.15E+001	8.26E+001
PA-231	NOT FOUND/DATA for 283.67 keV			-3.70E+000	5.58E+000	7.65E+000
PA-234	NOT FOUND/DATA for 883.24 keV			-2.10E-001	4.10E-001	6.85E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.14E+000	1.72E+001	3.12E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-2.66E-002	1.83E+000	3.13E+000
U-234	NOT FOUND/DATA for 53.20 keV			-9.72E+001	4.06E+002	7.23E+002
U-235	NOT FOUND/DATA for 185.71 keV			3.55E-002	1.37E-001	2.56E-001
U-238	NOT FOUND/DATA for 92.60 keV			-2.66E-002	1.83E+000	3.13E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.17E-001	6.32E-001	1.15E+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-0504-135
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.693E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 7:26:40 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	2.43E+001	1.25E+001	2.43E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			7.69E-002	8.98E-002	2.13E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.37E-002	8.99E-002	1.65E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.83E-002	9.46E-002	2.22E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.84E-001	2.22E-001	3.60E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-6.82E-003	9.65E-002	1.79E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.88E-002	2.82E-001	5.41E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-8.68E-002	7.74E-002	1.16E-001
CS-137	NOT FOUND/DATA for 661.66 keV			8.06E-002	1.09E-001	2.39E-001
TL-208	2.45E-001	1.20E-001	1.87E-001	FOUND		
PB-212	8.67E-001	2.23E-001	4.10E-001	FOUND		
BI-214	9.67E-001	3.57E-001	3.66E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			3.80E-001	2.79E-001	5.75E-001
RA-226	NOT FOUND/DATA for 186.10 keV			7.65E-001	1.91E+000	3.63E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.41E-001	5.54E-001	1.29E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.42E+001	3.97E+001	7.67E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.03E+000	3.39E+000	6.34E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-3.26E-001	4.40E-001	6.06E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			5.81E+000	1.74E+001	3.74E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.60E+000	1.62E+000	3.08E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.43E+000	2.77E+002	5.33E+002
U-235	NOT FOUND/DATA for 185.71 keV			5.85E-002	1.12E-001	2.18E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.60E+000	1.62E+000	3.08E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.22E-001	5.92E-001	1.07E+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-0504-136
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.439E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 7:39:59 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	2.12E+001	9.25E+000	2.34E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.34E-002	9.90E-002	1.90E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-1.41E-002	8.09E-002	1.38E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			8.18E-002	1.09E-001	2.63E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			3.35E-002	2.08E-001	4.37E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.01E-002	9.26E-002	1.57E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-7.14E-002	2.45E-001	4.52E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.31E-002	9.78E-002	1.50E-001
CS-137	NOT FOUND/DATA for 661.66 keV			8.61E-002	1.22E-001	2.62E-001
TL-208	2.89E-001	1.28E-001	2.16E-001	FOUND		
PB-212	1.26E+000	5.93E-001	3.90E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			7.65E-001	3.18E-001	7.31E-001
PB-214	8.12E-001	2.75E-001	4.93E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			1.75E+000	2.28E+000	4.43E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.46E+000	6.15E-001	1.49E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-8.72E-001	3.35E+001	6.28E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.22E+000	3.30E+000	6.15E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.23E-001	3.66E-001	6.32E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			5.70E+000	1.72E+001	3.66E+001
TH-234	NOT FOUND/DATA for 92.60 keV			5.85E-001	1.62E+000	2.90E+000
U-234	NOT FOUND/DATA for 53.20 keV			6.30E+000	3.31E+002	6.30E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.66E-001	1.36E-001	2.74E-001
U-238	NOT FOUND/DATA for 92.60 keV			5.85E-001	1.62E+000	2.90E+000
AM-241	NOT FOUND/DATA for 59.54 keV			4.38E-001	6.40E-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-0504-137
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 8.108E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 7:50:25 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	1.83E+001	1.22E+001	2.97E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.52E-002	8.07E-002	1.52E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-8.04E-003	9.06E-002	1.51E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		3.69E-002	1.24E-001	2.57E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.26E-001	2.77E-001	3.41E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		7.53E-002	8.38E-002	1.92E-001
SB-125	NOT FOUND/DATA for	427.89 keV		9.81E-002	2.73E-001	5.38E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.48E-002	9.77E-002	1.72E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-7.02E-003	1.09E-001	2.04E-001
TL-208	2.69E-001	3.24E-001	1.89E-001	FOUND		
PB-212	9.19E-001	2.29E-001	4.18E-001	FOUND		
BI-214	NOT FOUND/DATA for	609.31 keV		4.37E-001	2.64E-001	5.88E-001
PB-214	NOT FOUND/DATA for	351.92 keV		5.73E-001	3.04E-001	6.33E-001
RA-226	NOT FOUND/DATA for	186.10 keV		3.31E+000	2.17E+000	4.40E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.34E+000	6.20E-001	1.44E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.66E+001	3.39E+001	5.76E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.28E+000	3.13E+000	5.83E+000
PA-234	NOT FOUND/DATA for	926.00 keV		-1.36E+000	2.16E+000	8.34E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.67E+001	1.64E+001	2.41E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.14E+000	1.56E+000	2.90E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.27E+002	2.88E+002	5.78E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.01E-001	1.28E-001	2.49E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.14E+000	1.56E+000	2.90E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.98E-002	5.64E-001	1.07E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location:	CE Windsor
Sample ID:	MAC-0504-138
Sample Title:	BLD-5 SOUTH EAST H/W LINE
Detector Name:	30%HPGE
Nuclide Library Used:	C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size:	8.345E+002 G
Sample Taken On:	4/8/2005 11:15:00 AM
Acquisition Started:	4/12/2005 8:07:54 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	1.87E+001	1.03E+001	2.35E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-4.61E-004	8.50E-002	1.69E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.35E-002	7.62E-002	1.30E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.04E-002	5.54E-002	1.15E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.22E-001	3.31E-001	2.97E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.39E-002	6.56E-002	1.19E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.34E-001	2.40E-001	4.18E-001
CS-134	NOT FOUND/DATA for	795.84 keV		-5.80E-002	1.12E-001	1.52E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.63E-002	1.13E-001	2.13E-001
TL-208	3.09E-001	3.33E-001	1.98E-001	FOUND		
PB-212	1.49E+000	3.96E-001	3.85E-001	FOUND		
BI-214	5.00E-001	5.42E-001	3.99E-001	FOUND		
PB-214	8.91E-001	8.19E-001	4.43E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		4.17E-001	1.93E+000	3.59E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.09E+000	4.92E-001	1.21E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.09E+001	3.51E+001	6.90E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.82E+000	3.01E+000	5.58E+000
PA-234	NOT FOUND/DATA for	927.10 keV		-3.02E-001	1.80E+000	8.09E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.75E+000	1.11E+001	2.61E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.90E-001	1.69E+000	2.89E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.05E+001	3.18E+002	5.94E+002
U-235	NOT FOUND/DATA for	185.71 keV		-7.76E-003	1.20E-001	2.18E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.90E-001	1.69E+000	2.89E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.87E-001	5.53E-001	9.84E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-139
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.980E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 8:18:26 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	1.74E+001	3.55E+000	2.52E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-4.05E-002	1.28E-001	2.35E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.09E-002	9.13E-002	1.59E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			8.31E-003	1.06E-001	2.24E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			8.25E-003	1.90E-001	3.96E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-4.38E-002	1.11E-001	1.81E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-9.34E-002	2.56E-001	4.63E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-6.75E-002	1.21E-001	2.00E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.31E-002	1.34E-001	2.63E-001
TL-208	3.11E-001	1.42E-001	2.24E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			7.27E-001	2.55E-001	5.46E-001
BI-214	1.14E+000	1.19E+000	5.12E-001	FOUND		
PB-214	8.23E-001	7.84E-001	4.72E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			4.58E-001	2.25E+000	4.19E+000
AC-228	NOT FOUND/DATA for 338.32 keV			3.07E-001	8.82E-001	1.69E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.41E+000	3.65E+001	6.96E+001
PA-231	NOT FOUND/DATA for 300.02 keV			5.85E+000	4.56E+000	8.06E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-4.53E-001	4.90E-001	6.02E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.24E+000	1.52E+001	3.40E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.70E+000	1.91E+000	3.57E+000
U-234	NOT FOUND/DATA for 53.20 keV			-4.38E+000	3.58E+002	6.72E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.38E-001	1.37E-001	2.74E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.70E+000	1.91E+000	3.57E+000
AM-241	NOT FOUND/DATA for 59.54 keV			5.08E-001	7.02E-001	1.42E+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-0504-140
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.859E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 8:29:00 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	2.53E+001	4.58E+000	3.23E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			6.99E-002	1.18E-001	2.68E-001
CO-57	NOT FOUND/DATA for 122.06 keV			3.19E-002	1.02E-001	1.83E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			5.19E-002	1.10E-001	2.67E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			4.91E-002	2.57E-001	5.54E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.19E-002	1.05E-001	1.99E-001
SB-125	NOT FOUND/DATA for 427.89 keV			1.93E-002	2.61E-001	5.27E-001
CS-134	NOT FOUND/DATA for 795.84 keV			-5.37E-002	1.50E-001	2.37E-001
CS-137	NOT FOUND/DATA for 661.66 keV			2.18E-002	1.27E-001	2.60E-001
TL-208	6.14E-001	4.49E-002	2.88E-001	FOUND		
PB-212	1.08E+000	2.76E-001	5.01E-001	FOUND		
BI-214	7.31E-001	3.11E-001	4.14E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			7.89E-001	4.01E-001	8.42E-001
RA-226	NOT FOUND/DATA for 186.10 keV			1.50E+000	2.94E+000	5.52E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.48E+000	7.31E-001	1.75E+000
TH-230	NOT FOUND/DATA for 67.67 keV			6.84E+000	4.64E+001	8.59E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.47E+000	4.05E+000	7.67E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.53E-001	4.52E-001	7.25E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			2.58E+000	2.11E+001	4.36E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.85E+000	2.02E+000	4.01E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.69E+002	4.18E+002	7.52E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.74E-001	1.76E-001	3.48E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.85E+000	2.02E+000	4.01E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.04E-001	7.34E-001	1.43E+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-0504-141
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

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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-0504-142
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.764E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 8:51:33 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	2.16E+001	3.84E+000	3.23E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.44E-003	8.79E-002	1.82E-001
CO-57	NOT FOUND/DATA for	122.06 keV		6.75E-003	8.47E-002	1.48E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-5.14E-002	1.21E-001	2.17E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		6.77E-002	2.22E-001	4.71E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.50E-002	8.78E-002	1.69E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.99E-001	2.48E-001	4.16E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.10E-002	9.14E-002	1.52E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.17E-002	1.09E-001	2.21E-001
TL-208	NOT FOUND/DATA for	583.19 keV		2.68E-001	1.55E-001	3.39E-001
PB-212	NOT FOUND/DATA for	238.63 keV		7.22E-001	2.58E-001	5.38E-001
BI-214	7.05E-001	2.46E-001	2.81E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		6.17E-001	3.32E-001	6.85E-001
RA-226	NOT FOUND/DATA for	186.10 keV		3.00E+000	2.20E+000	4.46E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.72E-001	5.15E-001	1.16E+000
TH-230	NOT FOUND/DATA for	67.67 keV		5.48E+000	3.87E+001	7.02E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.62E+000	3.66E+000	6.65E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-4.05E-003	3.63E-001	6.22E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.00E+001	2.14E+001	4.84E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.27E-001	1.71E+000	2.97E+000
U-234	NOT FOUND/DATA for	53.20 keV		-3.99E+001	3.60E+002	6.04E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.55E-001	1.36E-001	2.71E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.27E-001	1.71E+000	2.97E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.52E-001	6.33E-001	1.28E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0504-143
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.159E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 9:02:54 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	1.94E+001	9.48E+000	2.15E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		4.07E-002	6.61E-002	1.54E-001
CO-57	NOT FOUND/DATA for	122.06 keV		4.87E-002	7.21E-002	1.33E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		9.49E-003	7.50E-002	1.71E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		8.61E-002	2.23E-001	4.38E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.31E-002	6.85E-002	1.08E-001
SB-125	NOT FOUND/DATA for	427.89 keV		7.64E-002	2.01E-001	3.67E-001
CS-134	NOT FOUND/DATA for	604.70 keV		2.02E-003	6.54E-002	1.28E-001
CS-137	NOT FOUND/DATA for	661.66 keV		6.18E-002	9.53E-002	2.00E-001
TL-208	2.39E-001	6.35E-001	1.80E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		8.83E-001	2.37E-001	5.02E-001
BI-214	5.34E-001	2.09E-001	2.81E-001	FOUND		
PB-214	8.81E-001	1.32E+001	3.48E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		7.94E-001	1.83E+000	3.47E+000
AC-228	1.08E+000	4.03E-001	7.14E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		2.41E+001	3.33E+001	6.52E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-5.10E-001	2.89E+000	4.91E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-8.70E-002	3.39E-001	5.58E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		8.65E+000	1.56E+001	3.45E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-6.64E-001	1.53E+000	2.52E+000
U-234	NOT FOUND/DATA for	53.20 keV		7.74E+001	2.73E+002	5.31E+002
U-235	NOT FOUND/DATA for	185.71 keV		8.42E-002	1.13E-001	2.19E-001
U-238	NOT FOUND/DATA for	92.60 keV		-6.64E-001	1.53E+000	2.52E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.69E-001	5.74E-001	9.86E-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-0504-144
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 9.043E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 9:13:25 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	1.59E+001	2.94E+000	2.52E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.55E-002	7.37E-002	1.56E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.84E-002	8.08E-002	1.28E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-2.15E-002	8.26E-002	1.59E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		3.33E-002	2.17E-001	4.24E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.76E-002	1.03E-001	1.45E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.01E-001	2.40E-001	4.93E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-7.19E-002	1.22E-001	1.84E-001
CS-137	NOT FOUND/DATA for	661.66 keV		2.74E-002	9.22E-002	1.90E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.23E-001	1.38E-001	3.14E-001
PB-212	1.10E+000	5.11E-001	3.94E-001	FOUND		
BI-214	5.22E-001	2.34E-001	4.19E-001	FOUND		
PB-214	7.53E-001	8.52E-001	4.09E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.37E+000	1.92E+000	3.71E+000
AC-228	NOT FOUND/DATA for	911.21 keV		7.16E-001	4.96E-001	1.12E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.62E+001	3.28E+001	5.75E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.11E+000	3.03E+000	5.63E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-3.23E-002	3.15E-001	5.37E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.05E+001	1.42E+001	3.34E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.26E+000	1.38E+000	2.60E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.03E+001	2.94E+002	5.57E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.42E-003	1.17E-001	2.14E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.26E+000	1.38E+000	2.60E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.62E-001	5.58E-001	1.10E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-145
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.954E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 9:24:34 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	2.75E+001	1.21E+001	1.86E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.42E-002	1.19E-001	2.64E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.72E-002	1.09E-001	1.95E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			-7.24E-002	1.51E-001	2.64E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-2.90E-001	3.13E-001	4.65E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.72E-002	9.11E-002	1.96E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.29E-001	3.26E-001	4.39E-001
CS-134	NOT FOUND/DATA for 604.70 keV			2.07E-002	1.31E-001	2.43E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.80E-002	1.50E-001	2.89E-001
TL-208	NOT FOUND/DATA for 583.19 keV			1.59E-001	1.92E-001	3.93E-001
PB-212	NOT FOUND/DATA for 238.63 keV			6.94E-001	2.93E-001	6.15E-001
BI-214	9.71E-001	3.36E-001	4.61E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			1.00E+000	3.84E-001	8.55E-001
RA-226	NOT FOUND/DATA for 186.10 keV			1.66E+000	2.67E+000	5.18E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.43E+000	7.64E-001	1.78E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.08E+001	4.19E+001	8.30E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-1.63E+000	4.09E+000	6.68E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-8.72E-002	4.40E-001	7.43E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.27E+000	2.12E+001	4.29E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.91E+000	2.06E+000	3.88E+000
U-234	NOT FOUND/DATA for 53.20 keV			3.93E+001	4.21E+002	7.88E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.89E-002	1.68E-001	3.09E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.91E+000	2.06E+000	3.88E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.59E-001	6.86E-001	1.38E+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-0504-146
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.754E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 9:35:06 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	2.52E+001	1.05E+001	3.26E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-4.42E-002	1.09E-001	1.83E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.20E-002	9.27E-002	1.52E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		-1.11E-001	1.51E-001	2.13E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-5.54E-002	2.19E-001	4.10E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-5.24E-003	9.15E-002	1.84E-001
SB-125	NOT FOUND/DATA for	427.89 keV		9.84E-002	2.61E-001	5.17E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.38E-002	1.21E-001	1.99E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.12E-002	1.06E-001	2.35E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.05E-001	1.58E-001	3.81E-001
PB-212	NOT FOUND/DATA for	238.63 keV		9.04E-001	2.84E-001	6.04E-001
BI-214	7.24E-001	3.00E-001	4.83E-001	FOUND		
PB-214	6.94E-001	8.47E-001	5.65E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.02E+000	2.50E+000	4.88E+000
AC-228	NOT FOUND/DATA for	338.32 keV		3.49E-001	7.59E-001	1.51E+000
TH-230	NOT FOUND/DATA for	67.67 keV		4.31E+001	3.71E+001	7.95E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.77E+000	3.68E+000	6.77E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-4.63E-001	5.10E-001	6.31E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.35E-001	1.11E+001	2.49E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.70E-001	1.94E+000	3.48E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.57E+002	3.47E+002	6.94E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.86E-002	1.50E-001	2.86E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.70E-001	1.94E+000	3.48E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.53E-002	7.63E-001	1.38E+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-0504-147
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.962E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 10:03:20 AM
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	2.01E+001	9.41E+000	2.05E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-5.02E-002	8.95E-002	1.35E-001
CO-57	NOT FOUND/DATA for 122.06 keV			7.08E-002	8.04E-002	1.47E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			5.35E-002	7.98E-002	1.88E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			7.58E-003	1.75E-001	3.50E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			6.69E-003	7.81E-002	1.49E-001
SB-125	NOT FOUND/DATA for 427.89 keV			5.45E-002	2.28E-001	4.36E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-7.20E-002	8.71E-002	1.24E-001
CS-137	NOT FOUND/DATA for 661.66 keV			5.29E-002	1.07E-001	2.14E-001
TL-208	2.47E-001	3.86E-001	2.08E-001	FOUND		
PB-212	1.17E+000	4.80E-001	6.32E-001	FOUND		
BI-214	6.92E-001	9.37E-001	3.81E-001	FOUND		
PB-214	7.88E-001	7.01E-001	4.06E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.30E+000	1.88E+000	3.71E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.15E+000	5.05E-001	1.17E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-4.24E+000	3.28E+001	5.92E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.15E+000	2.84E+000	5.01E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.15E-001	3.36E-001	5.32E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.05E+001	1.51E+001	3.27E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-9.66E-001	1.57E+000	2.53E+000
U-234	NOT FOUND/DATA for 53.20 keV			3.14E+001	2.89E+002	5.43E+002
U-235	NOT FOUND/DATA for 185.71 keV			4.43E-002	1.15E-001	2.14E-001
U-238	NOT FOUND/DATA for 92.60 keV			-9.66E-001	1.57E+000	2.53E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-3.10E-001	5.70E-001	9.36E-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-0504-148
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.593E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 10:09:53 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	2.29E+001	9.37E+000	2.11E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.22E-002	7.74E-002	1.59E-001
CO-57	NOT FOUND/DATA for 122.06 keV			3.15E-002	7.69E-002	1.37E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			6.76E-002	8.03E-002	1.98E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.78E-001	2.36E-001	3.29E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-7.12E-002	8.55E-002	1.39E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.03E-001	2.46E-001	3.89E-001
CS-134	NOT FOUND/DATA for 795.84 keV			2.03E-002	7.54E-002	1.61E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.62E-002	8.59E-002	1.80E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.21E-001	1.42E-001	3.12E-001
PB-212	1.02E+000	5.20E-001	4.43E-001	FOUND		
BI-214	9.57E-001	2.64E-001	4.11E-001	FOUND		
PB-214	8.14E-001	8.75E-001	4.34E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			9.11E-001	2.09E+000	3.87E+000
AC-228	NOT FOUND/DATA for 911.21 keV			5.97E-001	4.10E-001	9.50E-001
TH-230	NOT FOUND/DATA for 67.67 keV			1.61E+001	3.47E+001	6.66E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.40E+000	3.28E+000	5.88E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.74E-001	3.17E-001	4.81E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			5.98E+000	1.30E+001	2.91E+001
TH-234	NOT FOUND/DATA for 92.60 keV			9.62E-001	1.59E+000	2.85E+000
U-234	NOT FOUND/DATA for 53.20 keV			-5.69E+001	3.06E+002	5.50E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.02E-001	1.26E-001	2.40E-001
U-238	NOT FOUND/DATA for 92.60 keV			9.62E-001	1.59E+000	2.85E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.31E-001	5.68E-001	1.03E+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-0504-149
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.528E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 10:28:55 AM
Live Time: 900.0 seconds
Real Time: 901.5 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	2.25E+001	8.69E+000	2.44E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			2.82E-002	1.03E-001	2.05E-001
CO-57	NOT FOUND/DATA for 122.06 keV			9.03E-003	8.59E-002	1.47E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-6.11E-003	1.08E-001	2.11E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-5.00E-002	2.69E-001	4.73E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-4.05E-003	8.33E-002	1.53E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.21E-003	2.35E-001	4.45E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-2.16E-003	7.47E-002	1.43E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.20E-002	1.05E-001	1.93E-001
TL-208	3.24E-001	1.14E-001	1.92E-001	FOUND		
PB-212	1.04E+000	3.50E-001	3.59E-001	FOUND		
BI-214	8.52E-001	2.55E-001	3.62E-001	FOUND		
PB-214	7.93E-001	7.59E-001	4.79E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.16E+000	2.10E+000	4.03E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.01E+000	5.43E-001	1.22E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.65E+000	3.30E+001	6.18E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-2.31E-001	3.20E+000	5.55E+000
PA-234	NOT FOUND/DATA for 131.20 keV			5.24E-003	3.19E-001	5.49E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			7.86E+000	1.56E+001	3.36E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-8.20E-001	1.58E+000	2.56E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.18E+001	2.92E+002	5.23E+002
U-235	NOT FOUND/DATA for 185.71 keV			9.68E-002	1.31E-001	2.48E-001
U-238	NOT FOUND/DATA for 92.60 keV			-8.20E-001	1.58E+000	2.56E+000
AM-241	NOT FOUND/DATA for 59.54 keV			5.16E-001	5.80E-001	1.16E+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-0504-150
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.511E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 10:44:34 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	2.27E+001	3.44E+000	2.49E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			9.18E-003	8.03E-002	1.61E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.12E-002	8.25E-002	1.43E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-5.74E-002	1.30E-001	1.44E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-5.49E-002	1.99E-001	3.74E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.26E-002	8.45E-002	1.53E-001
SB-125	NOT FOUND/DATA for 427.89 keV			2.68E-001	2.44E-001	5.19E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-6.13E-002	7.56E-002	1.20E-001
CS-137	NOT FOUND/DATA for 661.66 keV			3.87E-002	1.07E-001	2.15E-001
TL-208	3.20E-001	4.97E-001	2.12E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			1.05E+000	2.66E-001	5.48E-001
BI-214	6.30E-001	2.34E-001	3.19E-001	FOUND		
PB-214	7.07E-001	1.90E-001	3.66E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.03E+000	2.05E+000	3.97E+000
AC-228	NOT FOUND/DATA for 911.21 keV			7.06E-001	5.14E-001	1.12E+000
TH-230	NOT FOUND/DATA for 67.67 keV			5.86E+000	3.50E+001	6.54E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.28E+000	3.44E+000	6.13E+000
PA-234	NOT FOUND/DATA for 98.44 keV			8.68E-002	3.17E-001	5.57E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			4.64E+000	1.54E+001	3.23E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.34E+000	1.61E+000	2.93E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.80E+002	2.83E+002	4.80E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.08E-001	1.26E-001	2.40E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.34E+000	1.61E+000	2.93E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.60E-001	5.45E-001	9.71E-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-0504-151
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.080E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 11:00:22 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	2.16E+001	7.87E+000	2.09E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			5.12E-002	8.51E-002	1.78E-001
CO-57	NOT FOUND/DATA for 122.06 keV			3.19E-002	7.56E-002	1.34E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.37E-002	8.07E-002	1.84E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.08E-002	1.69E-001	3.44E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.44E-002	7.93E-002	1.52E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-9.51E-002	2.40E-001	4.20E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-3.39E-002	7.91E-002	1.31E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.07E-002	9.58E-002	1.98E-001
TL-208	3.55E-001	1.17E-001	1.81E-001	FOUND		
PB-212	NOT FOUND/DATA for 238.63 keV			5.92E-001	2.16E-001	4.39E-001
BI-214	7.50E-001	2.18E-001	3.17E-001	FOUND		
PB-214	7.28E-001	5.50E-001	3.99E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.79E+000	1.90E+000	3.76E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.57E+000	5.60E-001	1.29E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.26E+001	3.04E+001	5.83E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.83E-001	3.16E+000	5.53E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.23E-001	3.05E-001	4.99E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-2.41E+000	1.32E+001	2.56E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.26E+000	1.46E+000	2.80E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.02E+002	2.53E+002	4.90E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.77E-001	1.16E-001	2.31E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.26E+000	1.46E+000	2.80E+000
AM-241	NOT FOUND/DATA for 59.54 keV			4.11E-001	5.77E-001	1.12E+000

Uncertainty reported at 2.0 sigma

****
***** C E R T I F I C A T E O F A N A L Y S I S *****
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Site Location: CE Windsor
Sample ID: MAC-0504-152
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.794E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 11:16:34 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	2.32E+001	8.25E+000	2.29E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.87E-003	7.59E-002	1.54E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.84E-002	8.31E-002	1.38E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		2.11E-002	1.05E-001	2.05E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		6.43E-002	1.66E-001	3.59E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		6.32E-002	9.44E-002	1.95E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-4.64E-002	1.98E-001	3.66E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.64E-002	9.46E-002	1.67E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.38E-002	1.10E-001	2.24E-001
TL-208	4.34E-001	3.97E-001	1.65E-001	FOUND		
PB-212	8.88E-001	2.07E-001	3.25E-001	FOUND		
BI-214	8.36E-001	2.46E-001	3.65E-001	FOUND		
PB-214	8.66E-001	2.37E-001	4.71E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		-1.53E-001	1.98E+000	3.56E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.74E-001	4.87E-001	1.11E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-8.41E+000	3.36E+001	6.07E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-5.62E-002	2.71E+000	4.72E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.32E-001	3.29E-001	5.73E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.36E+001	1.35E+001	3.22E+001
TH-234	NOT FOUND/DATA for	92.60 keV		2.15E-002	1.53E+000	2.61E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.12E+002	3.04E+002	5.63E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.95E-002	1.21E-001	2.22E-001
U-238	NOT FOUND/DATA for	92.60 keV		2.15E-002	1.53E+000	2.61E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-5.87E-002	4.95E-001	9.16E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-153
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.801E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 11:32:34 AM
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	2.43E+001	1.38E+001	2.08E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		9.34E-002	6.37E-002	1.67E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.76E-002	7.89E-002	1.30E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		3.94E-002	9.50E-002	2.04E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.40E-001	1.92E-001	4.25E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-4.19E-002	7.75E-002	1.14E-001
SB-125	NOT FOUND/DATA for	427.89 keV		5.83E-002	2.30E-001	4.37E-001
CS-134	NOT FOUND/DATA for	604.70 keV		2.34E-002	7.50E-002	1.46E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-1.15E-002	8.99E-002	1.68E-001
TL-208	3.11E-001	3.66E-001	1.76E-001	FOUND		
PB-212	9.31E-001	2.08E-001	4.09E-001	FOUND		
BI-214	7.01E-001	7.42E-001	3.65E-001	FOUND		
PB-214	6.66E-001	2.15E-001	3.61E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.48E+000	1.98E+000	3.73E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.21E+000	5.24E-001	1.21E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.30E+001	3.40E+001	6.00E+001
PA-231	NOT FOUND/DATA for	300.02 keV		6.87E-001	3.05E+000	5.45E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.02E-001	3.46E-001	5.33E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-5.96E+000	1.46E+001	2.67E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.00E-001	1.51E+000	2.67E+000
U-234	NOT FOUND/DATA for	53.20 keV		-1.55E+002	2.96E+002	5.10E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.04E-002	1.16E-001	2.18E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.00E-001	1.51E+000	2.67E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.04E-002	5.64E-001	1.04E+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-0504-154
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.311E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 11:54:07 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	2.03E+001	3.32E+000	3.00E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.70E-002	9.06E-002	1.87E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.56E-002	8.43E-002	1.35E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		5.62E-002	1.29E-001	2.62E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.12E-001	2.24E-001	3.19E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		3.31E-002	9.39E-002	1.86E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.06E-001	2.79E-001	3.82E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.07E-001	1.06E-001	1.36E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.13E-003	1.03E-001	1.81E-001
TL-208	2.52E-001	1.08E-001	1.63E-001	FOUND		
PB-212	7.14E-001	1.89E-001	4.29E-001	FOUND		
BI-214	8.59E-001	1.39E+000	3.83E-001	FOUND		
PB-214	9.83E-001	2.09E-001	3.91E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.78E+000	2.23E+000	4.34E+000
AC-228	NOT FOUND/DATA for	338.32 keV		3.83E-001	6.57E-001	1.26E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.89E+000	3.32E+001	6.16E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.93E-001	3.30E+000	5.81E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-6.89E-002	3.63E-001	5.85E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.53E+000	1.67E+001	3.33E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.37E-001	1.73E+000	3.06E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.37E+001	3.21E+002	5.99E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.63E-001	1.35E-001	2.71E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.37E-001	1.73E+000	3.06E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.14E-001	4.86E-001	8.85E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-155
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.511E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 12:09:42 PM
Live Time: 900.0 seconds
Real Time: 901.5 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	2.23E+001	6.73E+000	2.53E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-4.82E-002	8.83E-002	1.53E-001
CO-57	NOT FOUND/DATA for	122.06 keV		5.05E-002	8.25E-002	1.47E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		4.45E-003	9.49E-002	2.01E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		5.90E-002	1.95E-001	4.11E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.20E-002	9.23E-002	1.65E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-7.28E-002	2.46E-001	4.46E-001
CS-134	NOT FOUND/DATA for	604.70 keV		2.47E-002	9.34E-002	1.82E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.67E-002	9.52E-002	1.99E-001
TL-208	4.09E-001	1.11E-001	1.83E-001	FOUND		
PB-212	1.05E+000	2.04E-001	4.21E-001	FOUND		
BI-214	7.42E-001	7.70E-001	3.59E-001	FOUND		
PB-214	7.01E-001	2.25E-001	4.42E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.25E+000	1.98E+000	3.89E+000
AC-228	NOT FOUND/DATA for	911.21 keV		9.81E-001	4.88E-001	1.13E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-2.00E+000	3.78E+001	6.75E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.51E+000	2.95E+000	5.43E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-4.90E-003	3.31E-001	5.57E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.57E+000	1.58E+001	3.23E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.31E-001	1.65E+000	2.86E+000
U-234	NOT FOUND/DATA for	53.20 keV		-4.50E-001	2.99E+002	5.57E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.73E-001	1.21E-001	2.41E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.31E-001	1.65E+000	2.86E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.45E-001	5.44E-001	1.04E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-156
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.335E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 12:25:32 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	2.36E+001	9.93E+000	2.34E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.83E-003	7.87E-002	1.57E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.32E-002	8.33E-002	1.45E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.20E-002	6.42E-002	1.65E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.02E-002	2.32E-001	4.04E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.61E-002	8.20E-002	1.51E-001
SB-125	NOT FOUND/DATA for	427.89 keV		4.58E-002	2.60E-001	4.98E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.33E-001	1.37E-001	1.62E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.83E-002	1.02E-001	2.10E-001
TL-208	2.91E-001	1.19E-001	2.21E-001	FOUND		
PB-212	1.15E+000	3.78E-001	3.98E-001	FOUND		
BI-214	7.97E-001	6.33E-001	4.57E-001	FOUND		
PB-214	5.75E-001	2.14E-001	4.17E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		-1.71E-001	1.94E+000	3.50E+000
AC-228	9.61E-001	3.43E-001	5.50E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-1.73E+001	3.34E+001	5.73E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-1.92E+000	3.42E+000	5.06E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-3.45E-001	3.50E-001	5.11E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-3.06E+000	1.71E+001	2.86E+001
TH-234	NOT FOUND/DATA for	92.60 keV		5.41E-001	1.87E+000	3.22E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.29E+001	3.12E+002	5.88E+002
U-235	NOT FOUND/DATA for	185.71 keV		-3.03E-004	1.20E-001	2.18E-001
U-238	NOT FOUND/DATA for	92.60 keV		5.41E-001	1.87E+000	3.22E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-6.97E-002	5.85E-001	1.06E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-157
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.472E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 12:41:09 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	2.07E+001	1.04E+001	2.54E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.65E-002	8.63E-002	1.83E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.17E-002	7.55E-002	1.33E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			3.08E-002	1.07E-001	2.15E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.59E-001	2.17E-001	4.77E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.71E-002	9.21E-002	1.35E-001
SB-125	NOT FOUND/DATA for 427.89 keV			5.62E-002	2.41E-001	4.59E-001
CS-134	NOT FOUND/DATA for 795.84 keV			-2.10E-002	1.00E-001	1.31E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.22E-002	9.84E-002	1.83E-001
TL-208	2.01E-001	1.06E-001	2.11E-001	FOUND		
PB-212	1.01E+000	5.57E-001	3.43E-001	FOUND		
BI-214	NOT FOUND/DATA for 609.31 keV			5.55E-001	2.93E-001	6.21E-001
PB-214	6.35E-001	2.18E-001	4.29E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.37E-001	1.94E+000	3.54E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.81E-001	4.79E-001	1.12E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.07E+001	3.50E+001	6.37E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.66E+000	2.57E+000	4.79E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-2.42E-001	3.23E-001	4.95E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-8.40E+000	1.23E+001	2.01E+001
TH-234	NOT FOUND/DATA for 92.60 keV			6.60E-001	1.49E+000	2.66E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.52E+002	3.08E+002	5.28E+002
U-235	NOT FOUND/DATA for 185.71 keV			8.68E-002	1.16E-001	2.22E-001
U-238	NOT FOUND/DATA for 92.60 keV			6.60E-001	1.49E+000	2.66E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-7.70E-002	5.96E-001	1.08E+000

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0504-158
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.109E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 12:56:41 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	2.19E+001	1.14E+001	2.41E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		6.02E-002	1.09E-001	2.25E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.57E-002	8.72E-002	1.46E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		7.54E-002	7.35E-002	2.01E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.54E-001	2.11E-001	3.02E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.70E-002	8.75E-002	1.76E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.19E-002	2.35E-001	4.31E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-8.96E-002	1.01E-001	1.28E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.74E-002	1.23E-001	2.44E-001
TL-208	3.03E-001	1.23E-001	2.16E-001	FOUND		
PB-212	6.71E-001	1.89E-001	3.42E-001	FOUND		
BI-214	7.31E-001	8.44E-001	3.13E-001	FOUND		
PB-214	4.95E-001	3.43E-001	4.25E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.02E+000	1.98E+000	3.75E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.68E+000	5.69E-001	1.38E+000
TH-230	NOT FOUND/DATA for	67.67 keV		5.71E+000	3.68E+001	6.90E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.12E+000	3.26E+000	5.93E+000
PA-234	NOT FOUND/DATA for	98.44 keV		5.83E-002	3.38E-001	5.84E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.80E+000	1.69E+001	2.97E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.39E+000	1.54E+000	2.86E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.70E+002	3.48E+002	5.41E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.58E-002	1.20E-001	2.32E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.39E+000	1.54E+000	2.86E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-1.04E-001	5.59E-001	1.02E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-159
Sample Title: BLD-5 SOUTH EAST H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.134E+002 G
Sample Taken On: 4/8/2005 11:15:00 AM
Acquisition Started: 4/12/2005 1:14:10 PM
Live Time: 900.0 seconds
Real Time: 901.5 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	2.58E+001	9.50E+000	3.14E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			1.95E-003	7.22E-002	1.44E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.88E-002	8.38E-002	1.39E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-6.30E-003	9.22E-002	1.86E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-4.08E-001	2.75E-001	3.28E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-5.58E-002	1.18E-001	1.94E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-6.75E-002	2.83E-001	5.14E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.64E-002	8.95E-002	1.52E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.80E-002	1.10E-001	2.28E-001
TL-208	NOT FOUND/DATA for 583.19 keV			2.55E-001	1.41E-001	3.06E-001
PB-212	7.74E-001	3.81E-001	4.30E-001	FOUND		
BI-214	7.79E-001	2.59E-001	3.42E-001	FOUND		
PB-214	1.16E+000	9.08E-001	4.85E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.55E+000	2.05E+000	4.05E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.01E+000	4.72E-001	1.13E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.35E+001	3.64E+001	7.09E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.42E+000	3.12E+000	5.76E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.84E-002	3.40E-001	5.86E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.11E+000	1.45E+001	2.78E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.41E+000	1.51E+000	2.75E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.25E+002	3.12E+002	5.00E+002
U-235	NOT FOUND/DATA for 185.71 keV			5.99E-002	1.26E-001	2.38E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.41E+000	1.50E+000	2.75E+000
AM-241	NOT FOUND/DATA for 59.54 keV			5.94E-001	5.87E-001	1.19E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-179
Sample Title: B-5 SOUTH TRENCH H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.755E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 2:44:42 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	1.15E+001	3.09E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.01E-001	1.61E-001	2.71E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.48E-002	1.11E-001	1.96E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.07E-001	1.66E-001	3.77E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		2.73E-002	2.16E-001	4.77E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-8.14E-004	1.26E-001	2.48E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.66E-001	3.09E-001	5.36E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-9.79E-003	1.12E-001	2.14E-001
CS-137	NOT FOUND/DATA for	661.66 keV		4.34E-002	1.39E-001	2.88E-001
TL-208	NOT FOUND/DATA for	583.19 keV		4.20E-001	2.10E-001	4.68E-001
PB-212	1.07E+000	2.76E-001	6.81E-001	FOUND		
BI-214	7.24E-001	3.01E-001	3.86E-001	FOUND		
PB-214	8.57E-001	1.10E+000	5.08E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.86E+000	2.63E+000	5.14E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.18E+000	6.84E-001	1.63E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-7.32E+000	5.09E+001	8.74E+001
PA-231	NOT FOUND/DATA for	300.02 keV		4.57E+000	4.95E+000	9.09E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-3.97E-001	4.90E-001	7.48E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.55E+001	2.25E+001	4.99E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.23E-001	2.17E+000	3.79E+000
U-234	NOT FOUND/DATA for	53.20 keV		8.74E+001	4.55E+002	8.61E+002
U-235	NOT FOUND/DATA for	185.71 keV		2.07E-001	1.57E-001	3.26E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.23E-001	2.17E+000	3.79E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.69E-002	8.37E-001	1.54E+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-0504-180
Sample Title: BLD-5 SOUTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.932E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/12/2005 1:53:20 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	2.13E+001	3.56E+000	3.23E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		1.05E-002	9.69E-002	1.83E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.42E-002	8.83E-002	1.42E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		6.24E-002	1.07E-001	2.44E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-3.04E-001	2.87E-001	2.76E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.94E-002	1.04E-001	1.67E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.92E-002	2.69E-001	4.99E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.03E-002	8.11E-002	1.45E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.14E-002	1.06E-001	2.24E-001
TL-208	NOT FOUND/DATA for	583.19 keV		1.11E-001	1.39E-001	2.74E-001
PB-212	6.88E-001	2.02E-001	3.80E-001	FOUND		
BI-214	5.16E-001	2.23E-001	3.58E-001	FOUND		
PB-214	6.46E-001	6.89E-001	4.74E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.10E+000	2.22E+000	4.10E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.20E+000	5.80E-001	1.32E+000
TH-230	NOT FOUND/DATA for	67.67 keV		4.94E+000	3.16E+001	5.94E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.42E+000	2.83E+000	5.32E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.38E-001	3.45E-001	6.12E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-9.77E+000	1.63E+001	2.67E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.26E+000	1.72E+000	3.12E+000
U-234	NOT FOUND/DATA for	53.20 keV		3.16E+001	2.92E+002	5.57E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.94E-001	1.34E-001	2.65E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.26E+000	1.72E+000	3.12E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.88E-002	6.12E-001	1.15E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-181
Sample Title: BLD-5 SOUTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.184E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/12/2005 2:11:29 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	2.60E+001	4.03E+000	2.91E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.72E-002	9.37E-002	1.69E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.87E-002	9.76E-002	1.57E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.68E-002	9.71E-002	2.01E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		1.41E-001	2.34E-001	5.10E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.13E-001	9.37E-002	1.38E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.45E-001	3.19E-001	6.50E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.33E-002	1.03E-001	1.85E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.62E-002	1.20E-001	2.36E-001
TL-208	2.20E-001	1.18E-001	2.11E-001	FOUND		
PB-212	1.05E+000	5.45E-001	4.52E-001	FOUND		
BI-214	6.64E-001	7.03E-001	4.18E-001	FOUND		
PB-214	6.37E-001	8.38E-001	5.32E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.60E+000	2.36E+000	4.45E+000
AC-228	NOT FOUND/DATA for	911.21 keV		7.48E-001	5.07E-001	1.18E+000
TH-230	NOT FOUND/DATA for	67.67 keV		3.21E+001	4.10E+001	8.13E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-4.90E+000	4.24E+000	5.23E+000
PA-234	NOT FOUND/DATA for	946.00 keV		0.00E+000	0.00E+000	2.97E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-7.28E+000	1.50E+001	2.51E+001
TH-234	NOT FOUND/DATA for	92.60 keV		6.05E-001	1.83E+000	3.20E+000
U-234	NOT FOUND/DATA for	53.20 keV		-6.03E+000	3.41E+002	6.37E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.75E-001	1.39E-001	2.77E-001
U-238	NOT FOUND/DATA for	92.60 keV		6.05E-001	1.83E+000	3.20E+000
AM-241	NOT FOUND/DATA for	59.54 keV		7.69E-001	6.91E-001	1.41E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-182
Sample Title: BLD-5 SOUTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.537E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/12/2005 2:37:05 PM
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	2.91E+001	1.06E+001	2.09E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		3.02E-002	9.28E-002	1.96E-001
CO-57	NOT FOUND/DATA for	122.06 keV		1.21E-002	9.34E-002	1.60E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		-1.05E-002	9.29E-002	1.88E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-8.80E-002	2.13E-001	3.87E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.05E-002	9.35E-002	1.56E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-4.48E-002	2.66E-001	4.75E-001
CS-134	NOT FOUND/DATA for	604.70 keV		6.93E-002	1.10E-001	2.23E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-1.10E-002	1.08E-001	2.07E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.08E-001	1.59E-001	3.46E-001
PB-212	NOT FOUND/DATA for	238.63 keV		8.80E-001	2.60E-001	5.45E-001
BI-214	9.93E-001	3.01E-001	4.99E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		9.36E-001	3.34E-001	7.20E-001
RA-226	NOT FOUND/DATA for	186.10 keV		1.97E+000	2.21E+000	4.30E+000
AC-228	NOT FOUND/DATA for	911.21 keV		6.57E-001	4.98E-001	1.13E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.60E+001	3.97E+001	6.93E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.66E+000	3.87E+000	6.77E+000
PA-234	NOT FOUND/DATA for	98.44 keV		6.05E-002	3.44E-001	5.91E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.69E+000	1.95E+001	3.80E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.12E+000	1.67E+000	3.04E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.15E+002	3.55E+002	6.82E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.30E-001	1.37E-001	2.65E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.12E+000	1.67E+000	3.04E+000
AM-241	NOT FOUND/DATA for	59.54 keV		2.39E-001	6.90E-001	1.32E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-183
Sample Title: BLD-5 SOUTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 5.953E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/12/2005 3:06:22 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	2.37E+001	2.96E+000	3.01E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		8.96E-002	1.01E-001	2.23E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-9.69E-004	7.87E-002	1.34E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.94E-002	1.02E-001	2.06E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.47E-002	1.93E-001	3.35E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.60E-003	7.72E-002	1.53E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-2.24E-001	2.59E-001	4.29E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.68E-002	9.43E-002	1.50E-001
CS-137	NOT FOUND/DATA for	661.66 keV		3.99E-002	1.07E-001	2.18E-001
TL-208	3.92E-001	3.59E-001	1.53E-001	FOUND		
PB-212	6.98E-001	2.01E-001	3.67E-001	FOUND		
BI-214	8.20E-001	2.12E-001	3.69E-001	FOUND		
PB-214	5.73E-001	2.79E-001	4.35E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.54E+000	2.08E+000	4.00E+000
AC-228	1.05E+000	4.63E-001	6.75E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		2.19E+000	3.57E+001	6.53E+001
PA-231	NOT FOUND/DATA for	300.02 keV		3.76E+000	3.84E+000	6.84E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.33E-001	3.61E-001	5.89E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-2.54E-001	1.17E+001	2.18E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.16E+000	1.70E+000	3.06E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.60E+002	3.36E+002	6.51E+002
U-235	NOT FOUND/DATA for	185.71 keV		5.85E-002	1.27E-001	2.40E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.16E+000	1.70E+000	3.06E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-4.65E-003	6.50E-001	1.19E+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-0504-184
Sample Title: BLD-5 SOUTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.194E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/12/2005 3:21:55 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	2.78E+001	8.55E+000	1.58E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			3.73E-002	9.38E-002	1.96E-001
CO-57	NOT FOUND/DATA for 122.06 keV			1.60E-002	9.04E-002	1.56E-001
CO-60	NOT FOUND/DATA for 1173.24 keV			6.79E-003	1.06E-001	2.14E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.21E-001	2.08E-001	4.45E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.40E-002	9.48E-002	1.77E-001
SB-125	NOT FOUND/DATA for 427.89 keV			7.34E-002	2.68E-001	5.17E-001
CS-134	NOT FOUND/DATA for 795.84 keV			-3.06E-002	1.02E-001	1.80E-001
CS-137	1.09E-001	2.46E-001	1.87E-001	FOUND		
TL-208	3.43E-001	1.20E-001	1.96E-001	FOUND		
PB-212	1.10E+000	2.05E-001	3.75E-001	FOUND		
BI-214	8.22E-001	2.58E-001	3.41E-001	FOUND		
PB-214	1.18E+000	8.72E-001	5.06E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.42E+000	2.16E+000	4.32E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.70E+000	6.08E-001	1.43E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.56E+001	3.43E+001	6.81E+001
PA-231	NOT FOUND/DATA for 300.02 keV			1.88E+000	3.37E+000	6.12E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.44E-003	3.64E-001	6.24E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			1.16E+000	1.52E+001	3.09E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.01E+000	1.77E+000	3.27E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.44E+002	3.24E+002	5.69E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.60E-001	1.35E-001	2.63E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.01E+000	1.77E+000	3.27E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-1.20E-001	5.66E-001	1.04E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-185
Sample Title: BLD-5 SOUTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.481E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/12/2005 3:38:19 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	2.53E+001	9.12E+000	2.43E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.77E-002	8.50E-002	1.60E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.47E-002	8.71E-002	1.40E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		1.84E-002	9.94E-002	2.05E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.88E-002	2.12E-001	4.08E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-2.86E-002	7.77E-002	1.40E-001
SB-125	NOT FOUND/DATA for	427.89 keV		2.69E-002	2.28E-001	4.37E-001
CS-134	NOT FOUND/DATA for	604.70 keV		2.48E-003	9.77E-002	1.83E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.24E-002	1.11E-001	2.21E-001
TL-208	2.43E-001	3.62E-001	1.99E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		1.08E+000	2.65E-001	5.47E-001
BI-214	6.74E-001	2.35E-001	3.99E-001	FOUND		
PB-214	NOT FOUND/DATA for	351.92 keV		6.12E-001	2.79E-001	5.84E-001
RA-226	NOT FOUND/DATA for	186.10 keV		1.47E+000	2.23E+000	4.15E+000
AC-228	1.61E+000	1.99E-001	5.65E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-9.06E+000	3.50E+001	6.22E+001
PA-231	NOT FOUND/DATA for	300.02 keV		8.50E-001	3.46E+000	6.10E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.94E-001	3.18E-001	5.05E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.01E+001	1.79E+001	3.75E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.44E+000	1.57E+000	2.89E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.40E+002	3.04E+002	5.83E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.21E-001	1.30E-001	2.50E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.44E+000	1.57E+000	2.89E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.43E-001	6.57E-001	1.17E+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-0504-186
Sample Title: BLD-5 SOUTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.341E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/12/2005 3:57:28 PM
Live Time: 900.0 seconds
Real Time: 901.5 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	2.51E+001	3.74E+000	3.00E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.54E-002	8.97E-002	1.91E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-4.04E-002	9.07E-002	1.47E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-1.47E-002	8.29E-002	1.47E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.99E-001	3.31E-001	2.23E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.84E-002	7.57E-002	1.43E-001
SB-125	NOT FOUND/DATA for 427.89 keV			9.84E-002	2.68E-001	5.23E-001
CS-134	NOT FOUND/DATA for 795.84 keV			1.37E-002	1.03E-001	2.01E-001
CS-137	NOT FOUND/DATA for 661.66 keV			6.35E-002	1.00E-001	2.10E-001
TL-208	3.13E-001	1.12E-001	1.65E-001	FOUND		
PB-212	9.47E-001	1.98E-001	4.20E-001	FOUND		
BI-214	5.81E-001	2.34E-001	4.02E-001	FOUND		
PB-214	8.20E-001	2.25E-001	3.41E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			3.02E+000	2.12E+000	4.20E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.35E+000	5.77E-001	1.32E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-1.39E+001	3.50E+001	6.21E+001
PA-231	NOT FOUND/DATA for 300.02 keV			3.87E+000	3.35E+000	5.98E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.81E-001	3.71E-001	5.75E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			3.03E+000	1.41E+001	2.86E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.36E+000	1.65E+000	2.98E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.83E+002	3.29E+002	5.38E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.14E-001	1.28E-001	2.58E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.36E+000	1.65E+000	2.98E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-4.08E-001	6.02E-001	1.03E+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-0504-187
Sample Title: BLD-5 SOUTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.279E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/12/2005 4:30:06 PM
Live Time: 900.0 seconds
Real Time: 901.5 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	1.07E+001	1.74E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.41E-002	8.30E-002	1.73E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.08E-002	8.70E-002	1.47E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.09E-001	1.23E-001	2.78E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-7.78E-002	1.98E-001	3.63E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-3.83E-003	8.22E-002	1.57E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-1.01E-001	2.22E-001	3.95E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.64E-002	8.73E-002	1.58E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.59E-002	9.50E-002	2.07E-001
TL-208	4.51E-001	4.36E-001	2.37E-001	FOUND		
PB-212	1.20E+000	5.99E-001	4.30E-001	FOUND		
BI-214	7.29E-001	2.38E-001	3.29E-001	FOUND		
PB-214	5.97E-001	1.85E-001	4.52E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.90E+000	1.97E+000	3.85E+000
AC-228	8.93E-001	3.21E-001	5.66E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		3.74E+001	3.71E+001	7.39E+001
PA-231	NOT FOUND/DATA for	302.65 keV		-4.42E+000	5.31E+000	6.94E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-2.78E-001	3.94E-001	5.65E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.94E+000	1.65E+001	3.35E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.70E+000	1.70E+000	3.13E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.11E+002	2.93E+002	5.61E+002
U-235	NOT FOUND/DATA for	185.71 keV		6.71E-002	1.19E-001	2.25E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.70E+000	1.70E+000	3.13E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.00E-002	5.62E-001	1.05E+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-0504-188
Sample Title: B-5 SOUTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.085E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 7:23:32 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	2.77E+001	2.13E+002	2.68E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.44E-003	9.38E-002	1.71E-001
CO-57	NOT FOUND/DATA for	122.06 keV		3.89E-002	8.98E-002	1.59E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.99E-002	1.04E-001	2.14E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		4.07E-002	1.18E-001	2.69E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-2.33E-002	9.79E-002	1.94E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-7.87E-002	2.54E-001	4.55E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.58E-002	8.11E-002	1.53E-001
CS-137	NOT FOUND/DATA for	661.66 keV		-5.43E-002	9.66E-002	1.67E-001
TL-208	4.03E-001	4.47E-001	1.75E-001	FOUND		
PB-212	1.23E+000	5.71E-001	5.17E-001	FOUND		
BI-214	9.28E-001	2.75E-001	3.46E-001	FOUND		
PB-214	1.41E+000	8.21E-001	3.92E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.76E+000	2.12E+000	4.05E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.02E+000	5.67E-001	1.28E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.46E+001	3.57E+001	6.31E+001
PA-231	NOT FOUND/DATA for	300.02 keV		2.93E+000	3.44E+000	6.23E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-4.76E-001	4.76E-001	5.73E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		2.67E+000	1.61E+001	3.15E+001
TH-234	NOT FOUND/DATA for	92.60 keV		7.28E-001	1.73E+000	3.05E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.34E+001	3.40E+002	6.29E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.34E-001	1.27E-001	2.47E-001
U-238	NOT FOUND/DATA for	92.60 keV		7.28E-001	1.73E+000	3.05E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-2.37E-001	6.16E-001	1.10E+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-0504-189
Sample Title: B-5 SOUTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.545E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 7:46:59 AM
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	2.38E+001	8.66E+000	1.75E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.85E-002	7.75E-002	1.44E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.01E-002	7.24E-002	1.21E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		2.81E-002	7.73E-002	1.62E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-4.96E-002	1.97E-001	3.36E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.45E-002	6.97E-002	1.31E-001
SB-125	NOT FOUND/DATA for	427.89 keV		7.08E-002	2.02E-001	3.93E-001
CS-134	NOT FOUND/DATA for	604.70 keV		1.34E-002	7.65E-002	1.47E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.19E-001	9.23E-002	2.06E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.30E-001	1.31E-001	2.88E-001
PB-212	1.86E+000	8.45E-001	3.82E-001	FOUND		
BI-214	7.46E-001	5.01E-001	3.83E-001	FOUND		
PB-214	5.16E-001	1.87E-001	3.79E-001	FOUND		
RA-226	2.20E+000	1.69E+000	3.21E+000	FOUND		
AC-228	NOT FOUND/DATA for	911.21 keV		1.10E+000	5.04E-001	1.14E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-6.75E+000	2.88E+001	5.22E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.43E+000	2.67E+000	4.86E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.27E-001	2.68E-001	4.34E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		1.09E+001	1.54E+001	3.32E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.12E+000	1.39E+000	2.52E+000
U-234	NOT FOUND/DATA for	53.20 keV		4.07E+001	2.92E+002	5.38E+002
U-235	1.34E-001	1.03E-001	1.95E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		1.12E+000	1.39E+000	2.52E+000
AM-241	NOT FOUND/DATA for	59.54 keV		7.90E-002	5.11E-001	9.59E-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-0504-190
Sample Title: B-5 SOUTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.947E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 8:21:15 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	2.01E+001	9.20E+000	2.74E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-5.39E-002	7.46E-002	1.27E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-5.07E-002	7.50E-002	1.20E-001
CO-60	NOT FOUND/DATA for	1173.24 keV		4.11E-002	1.13E-001	2.31E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-9.59E-003	1.97E-001	3.82E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.00E-001	8.49E-002	1.25E-001
SB-125	NOT FOUND/DATA for	427.89 keV		5.21E-002	2.00E-001	3.89E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-2.24E-002	7.31E-002	1.29E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.36E-001	1.12E-001	2.39E-001
TL-208	3.05E-001	1.08E-001	1.71E-001	FOUND		
PB-212	8.69E-001	1.77E-001	3.62E-001	FOUND		
BI-214	7.38E-001	6.93E+000	3.72E-001	FOUND		
PB-214	7.06E-001	8.40E-001	4.22E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		-1.00E+000	1.89E+000	3.22E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.11E-001	4.25E-001	1.00E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-7.81E+000	3.28E+001	5.87E+001
PA-231	NOT FOUND/DATA for	300.02 keV		5.00E+000	3.81E+000	6.39E+000
PA-234	NOT FOUND/DATA for	98.44 keV		1.67E-001	3.06E-001	5.48E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-4.82E+000	1.65E+001	3.03E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.02E+000	1.62E+000	2.81E+000
U-234	NOT FOUND/DATA for	53.20 keV		-9.89E+000	2.77E+002	5.07E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.46E-002	1.11E-001	2.07E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.02E+000	1.62E+000	2.81E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.76E-002	5.23E-001	9.78E-001

Uncertainty reported at 2.0 sigma

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

Site Location: CE Windsor
Sample ID: MAC-0504-191
Sample Title: B-5 SOUTH TRENCH
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.294E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 8:47:38 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	2.80E+001	1.03E+001	2.34E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.52E-003	8.60E-002	1.65E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-1.47E-002	7.80E-002	1.30E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		3.97E-002	8.95E-002	2.07E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.16E-003	2.72E-001	4.87E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.24E-003	9.51E-002	1.80E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-3.24E-002	2.65E-001	4.81E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.81E-002	1.05E-001	1.47E-001
CS-137	NOT FOUND/DATA for	661.66 keV		7.74E-002	1.12E-001	2.32E-001
TL-208	4.20E-001	3.58E-001	1.72E-001	FOUND		
PB-212	8.11E-001	1.91E-001	4.13E-001	FOUND		
BI-214	1.05E+000	8.62E-001	3.97E-001	FOUND		
PB-214	8.01E-001	4.69E-001	4.47E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		2.21E+000	2.03E+000	3.97E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.23E+000	5.44E-001	1.26E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.26E+001	3.37E+001	6.02E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-2.19E-001	3.12E+000	5.40E+000
PA-234	NOT FOUND/DATA for	98.44 keV		5.09E-002	3.23E-001	5.62E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		9.50E+000	1.92E+001	3.98E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.13E+000	1.72E+000	3.05E+000
U-234	NOT FOUND/DATA for	53.20 keV		-2.57E+001	3.01E+002	5.51E+002
U-235	NOT FOUND/DATA for	185.71 keV		7.29E-002	1.24E-001	2.32E-001
U-238	NOT FOUND/DATA for	92.60 keV		1.13E+000	1.72E+000	3.05E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.82E-001	5.61E-001	1.08E+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-0504-192
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

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	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-0504-203
Sample Title: B-5 NORTH WING H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.865E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 9:32:10 AM
Live Time: 900.0 seconds
Real Time: 901.6 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	2.63E+001	9.64E+000	2.35E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-1.30E-003	8.45E-002	1.65E-001
CO-57	NOT FOUND/DATA for 122.06 keV			5.68E-002	8.40E-002	1.49E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.66E-002	1.06E-001	1.90E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			3.74E-002	2.28E-001	4.18E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-3.75E-002	8.36E-002	1.50E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.35E-001	2.45E-001	4.13E-001
CS-134	NOT FOUND/DATA for 795.84 keV			1.46E-002	9.04E-002	1.71E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.26E-002	1.25E-001	2.22E-001
TL-208	3.20E-001	3.16E-001	1.95E-001	FOUND		
PB-212	9.88E-001	2.04E-001	3.81E-001	FOUND		
BI-214	7.20E-001	4.75E-001	3.83E-001	FOUND		
PB-214	8.25E-001	1.95E-001	4.18E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			5.98E-001	1.92E+000	3.54E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.20E+000	5.09E-001	1.18E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-5.59E+000	3.37E+001	6.08E+001
PA-231	NOT FOUND/DATA for 300.02 keV			4.75E-001	2.81E+000	5.02E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-7.23E-002	3.24E-001	5.35E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-5.77E-001	1.41E+001	2.79E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.37E+000	1.55E+000	2.81E+000
U-234	NOT FOUND/DATA for 53.20 keV			-3.84E+002	3.21E+002	4.81E+002
U-235	NOT FOUND/DATA for 185.71 keV			6.22E-002	1.15E-001	2.17E-001
U-238	NOT FOUND/DATA for 92.60 keV			1.37E+000	1.55E+000	2.81E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.99E-002	5.54E-001	9.77E-001

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-204
Sample Title: B-5 NORTH WING H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.260E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 9:47:51 AM
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	2.29E+001	9.37E+000	1.99E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		2.38E-002	7.06E-002	1.50E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-9.34E-002	8.76E-002	1.32E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		5.18E-002	8.18E-002	1.90E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		3.93E-002	1.77E-001	3.50E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-5.66E-002	9.81E-002	1.62E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-8.66E-002	2.19E-001	3.72E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-6.14E-002	8.16E-002	1.37E-001
CS-137	NOT FOUND/DATA for	661.66 keV		9.07E-002	9.26E-002	2.01E-001
TL-208	2.46E-001	1.01E-001	1.65E-001	FOUND		
PB-212	NOT FOUND/DATA for	238.63 keV		7.71E-001	2.25E-001	4.62E-001
BI-214	7.18E-001	2.24E-001	3.66E-001	FOUND		
PB-214	6.03E-001	1.71E-001	3.35E-001	FOUND		
RA-226	1.74E+000	8.38E-001	2.88E+000	FOUND		
AC-228	NOT FOUND/DATA for	911.21 keV		8.94E-001	4.72E-001	1.07E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.16E+001	2.98E+001	5.29E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.02E+000	2.63E+000	4.81E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-3.04E-001	3.47E-001	4.38E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		7.78E+000	1.66E+001	3.45E+001
TH-234	NOT FOUND/DATA for	92.60 keV		1.47E+000	1.49E+000	2.73E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.37E+002	2.71E+002	5.20E+002
U-235	1.06E-001	5.11E-002	1.75E-001	FOUND		
U-238	NOT FOUND/DATA for	92.60 keV		1.47E+000	1.49E+000	2.73E+000
AM-241	NOT FOUND/DATA for	59.54 keV		5.49E-002	5.04E-001	9.49E-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-0504-205
Sample Title: B-5 NORTH WING H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.137E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 10:04:07 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	2.29E+001	3.07E+000	1.67E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-1.89E-002	8.12E-002	1.52E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.48E-002	7.57E-002	1.32E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		6.47E-002	7.24E-002	1.83E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		7.73E-002	1.24E-001	3.01E-001
AG-110m	NOT FOUND/DATA for	884.68 keV		-4.60E-002	1.18E-001	1.65E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-5.97E-002	2.19E-001	3.97E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-4.72E-002	8.34E-002	1.25E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.14E-001	9.13E-002	2.05E-001
TL-208	3.94E-001	3.24E-001	1.75E-001	FOUND		
PB-212	1.15E+000	2.00E-001	3.90E-001	FOUND		
BI-214	6.31E-001	2.17E-001	3.29E-001	FOUND		
PB-214	9.09E-001	2.34E-001	3.83E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.14E+000	1.90E+000	3.57E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.58E+000	5.68E-001	1.30E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-1.88E+001	3.31E+001	5.78E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.08E+000	2.48E+000	4.56E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.75E-001	3.16E-001	5.04E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		4.44E+000	1.55E+001	3.19E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.89E-001	1.36E+000	2.40E+000
U-234	NOT FOUND/DATA for	53.20 keV		-5.43E+001	2.85E+002	5.08E+002
U-235	NOT FOUND/DATA for	185.71 keV		9.17E-002	1.14E-001	2.17E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.89E-001	1.36E+000	2.40E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.56E-001	5.28E-001	1.04E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-206
Sample Title: B-5 NORTH WING H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.057E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 10:35:12 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	2.43E+001	1.30E+001	3.31E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			8.52E-002	1.10E-001	2.50E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-8.81E-002	1.08E-001	1.52E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			-6.15E-003	8.90E-002	1.99E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			2.83E-002	2.95E-001	5.87E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-2.87E-002	1.00E-001	1.77E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-4.71E-002	2.76E-001	5.11E-001
CS-134	NOT FOUND/DATA for 604.70 keV			4.77E-002	1.10E-001	2.23E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-1.15E-001	1.10E-001	1.70E-001
TL-208	3.04E-001	1.39E-001	2.26E-001	FOUND		
PB-212	1.30E+000	5.43E-001	4.55E-001	FOUND		
BI-214	1.02E+000	3.11E-001	4.93E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			1.08E+000	3.53E-001	7.90E-001
RA-226	NOT FOUND/DATA for 186.10 keV			7.91E-001	2.27E+000	4.29E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.84E-001	5.93E-001	1.38E+000
TH-230	NOT FOUND/DATA for 67.67 keV			1.48E+001	4.36E+001	8.37E+001
PA-231	NOT FOUND/DATA for 300.02 keV			2.86E+000	3.47E+000	6.59E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-1.39E-001	3.59E-001	5.93E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			6.20E+000	2.01E+001	4.28E+001
TH-234	NOT FOUND/DATA for 92.60 keV			-8.43E-001	1.90E+000	3.02E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.19E+002	3.61E+002	7.14E+002
U-235	NOT FOUND/DATA for 185.71 keV			2.96E-003	1.43E-001	2.61E-001
U-238	NOT FOUND/DATA for 92.60 keV			-8.43E-001	1.90E+000	3.02E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-3.50E-001	5.75E-001	9.43E-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-0504-207
Sample Title: B-5 NORTH WING H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.886E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 10:45:13 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	2.59E+001	7.84E+000	3.16E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			6.47E-004	1.24E-001	2.26E-001
CO-57	NOT FOUND/DATA for 122.06 keV			2.31E-002	9.73E-002	1.69E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			2.68E-002	9.62E-002	2.27E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			2.06E-001	2.63E-001	6.02E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-1.49E-003	9.51E-002	1.89E-001
SB-125	NOT FOUND/DATA for 427.89 keV			7.22E-002	3.10E-001	5.88E-001
CS-134	NOT FOUND/DATA for 604.70 keV			7.23E-002	9.84E-002	2.16E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.34E-001	1.34E-001	2.97E-001
TL-208	NOT FOUND/DATA for 583.19 keV			3.25E-001	1.88E-001	4.00E-001
PB-212	1.10E+000	2.62E-001	4.15E-001	FOUND		
BI-214	7.06E-001	8.74E-001	4.28E-001	FOUND		
PB-214	7.30E-001	6.42E-001	4.69E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.31E+000	2.33E+000	4.66E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.74E-001	5.34E-001	1.31E+000
TH-230	NOT FOUND/DATA for 67.67 keV			-8.29E+000	3.89E+001	7.18E+001
PA-231	NOT FOUND/DATA for 302.65 keV			-7.28E+000	6.31E+000	6.61E+000
PA-234	NOT FOUND/DATA for 98.44 keV			-6.70E-002	3.87E-001	6.59E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			9.87E-001	2.08E+001	4.17E+001
TH-234	NOT FOUND/DATA for 92.60 keV			2.33E-001	1.94E+000	3.38E+000
U-234	NOT FOUND/DATA for 53.20 keV			1.64E+002	4.00E+002	7.79E+002
U-235	NOT FOUND/DATA for 185.71 keV			3.46E-002	1.42E-001	2.67E-001
U-238	NOT FOUND/DATA for 92.60 keV			2.33E-001	1.94E+000	3.38E+000
AM-241	NOT FOUND/DATA for 59.54 keV			-2.01E-001	6.90E-001	1.24E+000

Uncertainty reported at 2.0 sigma

CERTIFICATE OF ANALYSIS

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

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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-0504-209
Sample Title: B-5 NORTH WING H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.065E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 11:10:06 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	2.37E+001	1.23E+001	3.17E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			4.38E-002	9.68E-002	2.10E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.58E-002	9.54E-002	1.58E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			6.76E-002	1.15E-001	2.77E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-1.66E-001	2.81E-001	4.24E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			1.78E-002	8.70E-002	1.84E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-7.70E-004	3.07E-001	5.73E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-5.98E-002	1.03E-001	1.48E-001
CS-137	NOT FOUND/DATA for 661.66 keV			1.56E-002	1.08E-001	2.15E-001
TL-208	NOT FOUND/DATA for 583.19 keV			4.58E-001	1.75E-001	4.06E-001
PB-212	8.13E-001	2.46E-001	5.96E-001	FOUND		
BI-214	5.97E-001	4.89E-001	4.27E-001	FOUND		
PB-214	NOT FOUND/DATA for 351.92 keV			5.66E-001	3.01E-001	6.51E-001
RA-226	NOT FOUND/DATA for 186.10 keV			2.11E+000	2.23E+000	4.46E+000
AC-228	NOT FOUND/DATA for 911.21 keV			1.57E+000	6.28E-001	1.54E+000
TH-230	NOT FOUND/DATA for 67.67 keV			3.98E+001	4.23E+001	8.56E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-5.20E-001	3.86E+000	6.48E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-9.23E-003	3.90E-001	6.68E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-1.38E+001	2.05E+001	3.08E+001
TH-234	NOT FOUND/DATA for 92.60 keV			6.57E-001	1.89E+000	3.33E+000
U-234	NOT FOUND/DATA for 53.20 keV			-2.30E+002	3.66E+002	5.95E+002
U-235	NOT FOUND/DATA for 185.71 keV			5.12E-003	1.35E-001	2.49E-001
U-238	NOT FOUND/DATA for 92.60 keV			6.57E-001	1.89E+000	3.33E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.53E-001	7.46E-001	1.44E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-210
Sample Title: B-5 NORTH WING H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.931E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 11:20:46 AM
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	2.35E+001	7.89E+000	2.24E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-3.21E-004	7.41E-002	1.43E-001
CO-57	NOT FOUND/DATA for	122.06 keV		2.92E-002	6.93E-002	1.24E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		8.08E-002	8.42E-002	2.09E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.68E-001	2.08E-001	3.10E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		9.37E-002	9.38E-002	2.01E-001
SB-125	NOT FOUND/DATA for	427.89 keV		3.26E-002	2.21E-001	4.28E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-9.55E-002	8.48E-002	1.19E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.55E-002	1.02E-001	2.06E-001
TL-208	4.44E-001	1.32E-001	2.18E-001	FOUND		
PB-212	1.16E+000	3.65E-001	4.06E-001	FOUND		
BI-214	8.81E-001	4.75E-001	3.80E-001	FOUND		
PB-214	9.39E-001	6.39E-001	4.25E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		3.77E-001	1.94E+000	3.53E+000
AC-228	7.80E-001	4.21E-001	5.24E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-6.19E-002	3.13E+001	5.68E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.47E-001	2.87E+000	5.03E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-2.58E-001	3.34E-001	5.10E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		3.44E+000	1.77E+001	3.51E+001
TH-234	NOT FOUND/DATA for	92.60 keV		4.49E-001	1.53E+000	2.67E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.04E+002	2.79E+002	5.38E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.05E-002	1.20E-001	2.22E-001
U-238	NOT FOUND/DATA for	92.60 keV		4.49E-001	1.53E+000	2.67E+000
AM-241	NOT FOUND/DATA for	59.54 keV		1.52E-001	5.03E-001	9.67E-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-0504-211
Sample Title: B-5 NORTH WING H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.036E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 12:09:43 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	2.67E+001	1.06E+001	2.53E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		5.70E-002	7.35E-002	1.67E-001
CO-57	NOT FOUND/DATA for	122.06 keV		6.52E-003	7.61E-002	1.28E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		8.77E-002	9.13E-002	2.15E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-1.73E-001	1.90E-001	3.05E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-1.58E-002	7.39E-002	1.35E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-6.12E-002	2.35E-001	3.84E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-3.08E-002	8.11E-002	1.45E-001
CS-137	NOT FOUND/DATA for	661.66 keV		5.15E-002	9.63E-002	1.94E-001
TL-208	NOT FOUND/DATA for	583.19 keV		3.26E-001	1.36E-001	3.00E-001
PB-212	NOT FOUND/DATA for	238.63 keV		9.86E-001	2.36E-001	4.92E-001
BI-214	1.05E+000	3.51E-001	3.54E-001	FOUND		
PB-214	8.38E-001	2.87E-001	4.01E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.79E+000	1.87E+000	3.60E+000
AC-228	NOT FOUND/DATA for	911.21 keV		1.26E+000	5.07E-001	1.18E+000
TH-230	NOT FOUND/DATA for	67.67 keV		-4.32E+001	3.57E+001	5.52E+001
PA-231	NOT FOUND/DATA for	300.02 keV		1.48E+000	2.99E+000	5.39E+000
PA-234	NOT FOUND/DATA for	98.44 keV		2.41E-002	2.90E-001	5.02E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		5.94E+000	1.63E+001	3.34E+001
TH-234	NOT FOUND/DATA for	92.60 keV		-2.82E-001	1.58E+000	2.60E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.83E+002	2.95E+002	5.84E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.12E-001	1.11E-001	2.16E-001
U-238	NOT FOUND/DATA for	92.60 keV		-2.82E-001	1.58E+000	2.60E+000
AM-241	NOT FOUND/DATA for	59.54 keV		-6.63E-002	5.92E-001	1.08E+000

Uncertainty reported at 2.0 sigma

****
***** CERTIFICATE OF ANALYSIS *****
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Site Location: CE Windsor
Sample ID: MAC-0504-212
Sample Title: B-5 NORTH WING H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.687E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 12:25:20 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	2.37E+001	8.29E+000	2.20E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-2.17E-003	7.42E-002	1.48E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-2.42E-002	8.11E-002	1.34E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			3.46E-002	7.85E-002	1.83E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			1.59E-001	2.00E-001	4.44E-001
AG-110m	NOT FOUND/DATA for 884.68 keV			-5.50E-002	1.01E-001	1.61E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-1.63E-001	2.31E-001	3.93E-001
CS-134	NOT FOUND/DATA for 604.70 keV			-1.91E-002	8.79E-002	1.61E-001
CS-137	NOT FOUND/DATA for 661.66 keV			4.18E-002	9.18E-002	1.89E-001
TL-208	3.97E-001	1.25E-001	2.07E-001	FOUND		
PB-212	9.17E-001	1.90E-001	4.04E-001	FOUND		
BI-214	6.54E-001	2.41E-001	3.92E-001	FOUND		
PB-214	5.67E-001	1.75E-001	4.51E-001	FOUND		
RA-226	3.10E+000	1.54E+000	3.47E+000	FOUND		
AC-228	NOT FOUND/DATA for 911.21 keV			1.49E+000	5.54E-001	1.30E+000
TH-230	NOT FOUND/DATA for 67.67 keV			2.48E+000	3.33E+001	6.17E+001
PA-231	NOT FOUND/DATA for 300.02 keV			4.30E+000	3.78E+000	6.53E+000
PA-234	NOT FOUND/DATA for 131.20 keV			-1.58E-001	3.29E-001	5.12E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-2.30E+000	1.98E+001	3.28E+001
TH-234	NOT FOUND/DATA for 92.60 keV			1.17E+000	1.45E+000	2.67E+000
U-234	NOT FOUND/DATA for 53.20 keV			-1.18E+001	3.04E+002	5.58E+002
U-235	1.89E-001	9.37E-002	2.11E-001	FOUND		
U-238	NOT FOUND/DATA for 92.60 keV			1.17E+000	1.45E+000	2.67E+000
AM-241	NOT FOUND/DATA for 59.54 keV			2.62E-001	5.50E-001	1.07E+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-0504-213
Sample Title: B-5 NORTH WING H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.594E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 12:41:49 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	2.54E+001	3.66E+000	2.66E+000	FOUND		
MN-54	NOT FOUND/DATA for 834.83 keV			-4.54E-002	1.07E-001	1.58E-001
CO-57	NOT FOUND/DATA for 122.06 keV			-3.59E-002	8.69E-002	1.37E-001
CO-60	NOT FOUND/DATA for 1332.50 keV			8.78E-003	6.90E-002	1.58E-001
ZN-65	NOT FOUND/DATA for 1115.55 keV			-3.14E-002	2.01E-001	3.85E-001
AG-110m	NOT FOUND/DATA for 657.76 keV			-2.66E-002	9.93E-002	1.72E-001
SB-125	NOT FOUND/DATA for 427.89 keV			-2.34E-003	2.70E-001	4.77E-001
CS-134	NOT FOUND/DATA for 604.70 keV			1.82E-002	9.25E-002	1.80E-001
CS-137	NOT FOUND/DATA for 661.66 keV			-5.72E-002	1.05E-001	1.80E-001
TL-208	2.60E-001	9.81E-002	1.82E-001	FOUND		
PB-212	1.11E+000	2.02E-001	4.73E-001	FOUND		
BI-214	7.75E-001	2.35E-001	4.70E-001	FOUND		
PB-214	7.93E-001	2.42E-001	4.47E-001	FOUND		
RA-226	NOT FOUND/DATA for 186.10 keV			2.91E+000	2.11E+000	4.15E+000
AC-228	NOT FOUND/DATA for 911.21 keV			9.43E-001	5.37E-001	1.19E+000
TH-230	NOT FOUND/DATA for 67.67 keV			7.80E+000	2.76E+001	5.34E+001
PA-231	NOT FOUND/DATA for 300.02 keV			-2.71E+000	3.29E+000	4.78E+000
PA-234	NOT FOUND/DATA for 98.44 keV			1.38E-001	3.25E-001	5.68E-001
PA-234M	NOT FOUND/DATA for 1001.03 keV			-9.04E+000	1.63E+001	2.58E+001
TH-234	NOT FOUND/DATA for 92.60 keV			5.88E-001	1.64E+000	2.88E+000
U-234	NOT FOUND/DATA for 53.20 keV			2.81E+001	2.82E+002	5.26E+002
U-235	NOT FOUND/DATA for 185.71 keV			1.45E-001	1.25E-001	2.44E-001
U-238	NOT FOUND/DATA for 92.60 keV			5.88E-001	1.64E+000	2.88E+000
AM-241	NOT FOUND/DATA for 59.54 keV			1.13E-002	5.36E-001	1.00E+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-0504-214
Sample Title: B-5 NORTH WING H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 6.637E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 12:57:26 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	2.88E+001	3.85E+000	1.99E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-2.09E-002	8.81E-002	1.64E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-2.96E-003	8.43E-002	1.40E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.45E-002	7.61E-002	1.72E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-4.08E-002	2.12E-001	3.82E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		-6.42E-004	7.64E-002	1.49E-001
SB-125	NOT FOUND/DATA for	427.89 keV		9.04E-002	2.24E-001	4.47E-001
CS-134	NOT FOUND/DATA for	604.70 keV		-1.65E-002	8.17E-002	1.45E-001
CS-137	NOT FOUND/DATA for	661.66 keV		8.06E-002	9.80E-002	2.11E-001
TL-208	3.57E-001	4.55E-001	2.06E-001	FOUND		
PB-212	1.48E+000	3.89E-001	4.30E-001	FOUND		
BI-214	1.05E+000	7.54E-001	3.87E-001	FOUND		
PB-214	7.59E-001	2.39E-001	4.56E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.25E+000	1.95E+000	3.69E+000
AC-228	NOT FOUND/DATA for	911.21 keV		8.48E-001	5.14E-001	1.14E+000
TH-230	NOT FOUND/DATA for	67.67 keV		2.38E+000	3.46E+001	6.35E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-6.72E-001	3.22E+000	5.46E+000
PA-234	NOT FOUND/DATA for	98.44 keV		-1.72E-001	3.15E-001	5.03E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-1.25E+001	1.85E+001	3.17E+001
TH-234	NOT FOUND/DATA for	92.60 keV		8.43E-002	1.60E+000	2.72E+000
U-234	NOT FOUND/DATA for	53.20 keV		1.32E+002	2.90E+002	5.62E+002
U-235	NOT FOUND/DATA for	185.71 keV		4.26E-003	1.18E-001	2.15E-001
U-238	NOT FOUND/DATA for	92.60 keV		8.43E-002	1.60E+000	2.72E+000
AM-241	NOT FOUND/DATA for	59.54 keV		3.13E-001	5.66E-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-0504-215
Sample Title: B-5 NORTH WING H/W LINE
Detector Name: 30%HPGE
Nuclide Library Used: C:\GENIE2K\CAMFILES\FSS.NLB
Sample Size: 7.399E+002 G
Sample Taken On: 4/12/2005 11:15:00 AM
Acquisition Started: 4/13/2005 1:14:33 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	2.17E+001	5.94E+000	2.55E+000	FOUND		
MN-54	NOT FOUND/DATA for	834.83 keV		-5.18E-002	6.70E-002	1.11E-001
CO-57	NOT FOUND/DATA for	122.06 keV		-4.48E-003	7.24E-002	1.22E-001
CO-60	NOT FOUND/DATA for	1332.50 keV		1.43E-002	7.00E-002	1.54E-001
ZN-65	NOT FOUND/DATA for	1115.55 keV		-2.32E-002	2.07E-001	3.88E-001
AG-110m	NOT FOUND/DATA for	657.76 keV		1.41E-002	8.31E-002	1.62E-001
SB-125	NOT FOUND/DATA for	427.89 keV		-6.61E-002	2.14E-001	3.74E-001
CS-134	NOT FOUND/DATA for	604.70 keV		2.84E-002	7.88E-002	1.57E-001
CS-137	NOT FOUND/DATA for	661.66 keV		1.98E-002	9.36E-002	1.80E-001
TL-208	3.70E-001	1.17E-001	1.90E-001	FOUND		
PB-212	1.25E+000	4.66E-001	3.77E-001	FOUND		
BI-214	5.33E-001	2.04E-001	3.50E-001	FOUND		
PB-214	6.72E-001	3.84E-001	4.87E-001	FOUND		
RA-226	NOT FOUND/DATA for	186.10 keV		1.42E+000	1.84E+000	3.47E+000
AC-228	1.18E+000	5.14E-001	4.07E-001	FOUND		
TH-230	NOT FOUND/DATA for	67.67 keV		-2.27E+001	3.07E+001	5.25E+001
PA-231	NOT FOUND/DATA for	300.02 keV		-4.85E-002	2.80E+000	4.78E+000
PA-234	NOT FOUND/DATA for	131.20 keV		-3.20E-001	3.74E-001	4.92E-001
PA-234M	NOT FOUND/DATA for	1001.03 keV		-7.19E+000	1.79E+001	3.07E+001
TH-234	NOT FOUND/DATA for	92.60 keV		3.26E-001	1.48E+000	2.57E+000
U-234	NOT FOUND/DATA for	53.20 keV		2.20E+002	2.83E+002	5.49E+002
U-235	NOT FOUND/DATA for	185.71 keV		1.03E-001	1.13E-001	2.16E-001
U-238	NOT FOUND/DATA for	92.60 keV		3.26E-001	1.48E+000	2.57E+000
AM-241	NOT FOUND/DATA for	59.54 keV		4.09E-001	5.21E-001	1.03E+000

Uncertainty reported at 2.0 sigma