FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/7/2005 11:10:00 AM
Lot-Sample No.:	**J5D150180-10**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-195-C-1C-04**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-3.05E-03***	U	2.75E-02	2.75E-02	4.88E-02	pCi/g		*-0.06*	4/18/05 07:48 a		287.9	GER7$1
							2.00E+01	*-0.22*			g	
EU-152	***1.78E-02***	U	7.26E-02	7.26E-02	1.33E-01	pCi/g		*0.13*	4/18/05 07:48 a		287.9	GER7$1
							9.00E+00	*0.49*			g	
EU-154	***6.84E-02***	U	8.91E-02	8.91E-02	1.84E-01	pCi/g		*0.37*	4/18/05 07:48 a		287.9	GER7$1
							7.00E+00	*(1.5)*			g	
EU-155	***5.07E-02***	U	7.23E-02	7.23E-02	1.31E-01	pCi/g		*0.39*	4/18/05 07:48 a		287.9	GER7$1
							3.00E+02	*(1.4)*			g	
K-40	***8.18E+00***		1.47E+00	1.47E+00	6.01E-01	pCi/g		*(13.6)*	4/18/05 07:48 a		287.9	GER7$1
								(11.1)			g	
MN-54	***-2.10E-02***	U	2.66E-02	2.66E-02	4.32E-02	pCi/g		*-0.48*	4/18/05 07:48 a		287.9	GER7$1
							2.00E+00	*-(1.6)*			g	
NB-94	***-1.26E-02***	U	2.79E-02	2.79E-02	4.75E-02	pCi/g		*-0.27*	4/18/05 07:48 a		287.9	GER7$1
							3.00E-01	*-0.9*			g	
PB-212	***3.73E-01***		1.06E-01	1.06E-01	1.04E-01	pCi/g		*(3.6)*	4/18/05 07:48 a		287.9	GER7$1
								(7.1)			g	
PB-214	***5.10E-01***		1.24E-01	1.24E-01	9.27E-02	pCi/g		*(5.5)*	4/18/05 07:48 a		287.9	GER7$1
								(8.3)			g	
RA-226	***3.22E-01***		1.12E-01	1.12E-01	9.45E-02	pCi/g		*(3.4)*	4/18/05 07:48 a		287.9	GER7$1
								(5.7)			g	
TL-208	***9.81E-02***		5.29E-02	5.29E-02	4.50E-02	pCi/g		*(2.2)*	4/18/05 07:48 a		287.9	GER7$1
								(3.7)			g	

STL Richland
rptSTLRchSample
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/7/2005 11:10:00 AM
Lot-Sample No.:	J5D150180-10	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-195-C-1C-04	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland
SDG: 28704
Collection Date: 4/7/2005 11:35:00 AM
Lot-Sample No.: J5D150180-11
Report No. : 28635
Received Date: 4/15/2005 9:00:00 AM
Client Sample ID: 3107-0000-195-C-2C-05
COC No. :
Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105267	RICHRC5006			**Work Order:**	G8FRF1AD		**Report DB ID:**	9G8FRF10				
STRONTIUM	***2.00E-01***		1.55E-02	5.43E-02	1.59E-02	pCi/g	88%	*(12.6)*	4/20/05 09:53 a		25.09	GPC28D
						7.62E-03	1.00E-02	*(7.4)*			G	
Batch: 5105278	RICHRC5037			**Work Order:**	G8FRF1AC		**Report DB ID:**	9G8FRF10				
H-3	***1.13E+01***		1.50E-01	4.96E-01	3.59E-02	pCi/g	100%	*(315.9)*	4/19/05 03:44 a		100.6	LSC3
						1.66E-02	3.00E+00	*(45.7)*			G	
Batch: 5105290	RICHRC5017			**Work Order:**	G8FRF1AA		**Report DB ID:**	9G8FRF10				
AC-228	***3.52E-01***	U	1.32E-01	1.32E-01	2.73E-01	pCi/g		*(1.3)*	4/18/05 07:49 a		290.3	GER8$1
								(5.3)			g	
AG-108M	***1.33E-02***	U	1.86E-02	1.86E-02	3.53E-02	pCi/g		*0.38*	4/18/05 07:49 a		290.3	GER8$1
								(1.4)			g	
AM-241	***-4.04E-02***	U	4.27E-02	4.27E-02	7.05E-02	pCi/g		*-0.57*	4/18/05 07:49 a		290.3	GER8$1
								-(1.9)			g	
BI-212	***4.37E-01***	U	3.68E-01	3.68E-01	7.34E-01	pCi/g		*0.6*	4/18/05 07:49 a		290.3	GER8$1
								(2.4)			g	
BI-214	***5.01E-01***	U	1.13E-01	1.13E-01	1.85E-01	pCi/g		*(2.7)*	4/18/05 07:49 a		290.3	GER8$1
								(8.9)			g	
CO-60	***-2.50E-02***	U	2.41E-02	2.41E-02	3.71E-02	pCi/g		*-0.67*	4/18/05 07:49 a		290.3	GER8$1
							3.00E+00	*-(2.1)*			g	
CS-134	***2.11E-02***	U	3.15E-02	3.15E-02	6.00E-02	pCi/g		*0.35*	4/18/05 07:49 a		290.3	GER8$1
							1.00E+01	*(1.3)*			g	

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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/7/2005 11:35:00 AM
Lot-Sample No.:	J5D150180-11	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-195-C-2C-05	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-3.33E-03***	U	2.48E-02	2.48E-02	4.42E-02	pCi/g		*-0.08*	4/18/05 07:49 a		290.3	GER8$1
							2.00E+01	*-0.27*			g	
EU-152	***-8.54E-03***	U	7.15E-02	7.15E-02	1.15E-01	pCi/g		*-0.07*	4/18/05 07:49 a		290.3	GER8$1
							9.00E+00	*-0.24*			g	
EU-154	***9.34E-02***	U	8.23E-02	8.23E-02	1.74E-01	pCi/g		*0.54*	4/18/05 07:49 a		290.3	GER8$1
							7.00E+00	*(2.3)*			g	
EU-155	***1.37E-03***	U	6.43E-02	6.43E-02	1.11E-01	pCi/g		*0.01*	4/18/05 07:49 a		290.3	GER8$1
							3.00E+02	*0.04*			g	
K-40	***7.69E+00***		1.36E+00	1.36E+00	4.47E-01	pCi/g		*(17.2)*	4/18/05 07:49 a		290.3	GER8$1
								(11.3)			g	
MN-54	***2.75E-02***	U	2.49E-02	2.49E-02	5.04E-02	pCi/g		*0.55*	4/18/05 07:49 a		290.3	GER8$1
							2.00E+00	*(2.2)*			g	
NB-94	***1.89E-03***	U	2.13E-02	2.13E-02	4.05E-02	pCi/g		*0.05*	4/18/05 07:49 a		290.3	GER8$1
							3.00E-01	*0.18*			g	
PB-212	***3.94E-01***		9.41E-02	9.41E-02	7.23E-02	pCi/g		*(5.5)*	4/18/05 07:49 a		290.3	GER8$1
								(8.4)			g	
PB-214	***4.51E-01***		1.10E-01	1.10E-01	8.50E-02	pCi/g		*(5.3)*	4/18/05 07:49 a		290.3	GER8$1
								(8.2)			g	
RA-226	***5.01E-01***	U	1.13E-01	1.13E-01	1.85E-01	pCi/g		*(2.7)*	4/18/05 07:49 a		290.3	GER8$1
								(8.9)			g	
TL-208	***9.84E-02***	U	5.35E-02	5.35E-02	7.84E-02	pCi/g		*(1.3)*	4/18/05 07:49 a		290.3	GER8$1
								(3.7)			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/7/2005 11:35:00 AM
Lot-Sample No.:	J5D150180-11	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-195-C-2C-05	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

STL Richland
rptSTLRchSample
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/7/2005 11:35:00 AM
Lot-Sample No.:	J5D150180-12	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-195-C-2C-06	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105267	RICHRC5006			**Work Order:**	G8FRG1AD		**Report DB ID:**	9G8FRG10				
STRONTIUM	***1.57E-01***		1.45E-02	4.41E-02	1.67E-02	pCi/g	86%	*(9.4)*	4/20/05 09:53 a		25.07	GPC31A
						8.03E-03	1.00E-02	*(7.1)*			G	
Batch: 5105278	RICHRC5037			**Work Order:**	G8FRG1AC		**Report DB ID:**	9G8FRG10				
H-3	***7.50E+00***		1.27E-01	3.38E-01	3.88E-02	pCi/g	100%	*(193.6)*	4/19/05 04:26 a		100.4	LSC3
						1.79E-02	3.00E+00	*(44.4)*			G	
Batch: 5105290	RICHRC5017			**Work Order:**	G8FRG1AA		**Report DB ID:**	9G8FRG10				
AC-228	***5.61E-01***	U	1.82E-01	1.82E-01	2.33E-01	pCi/g		*(2.4)*	4/18/05 07:49 a		299.7	GER11$1
								(6.2)			g	
AG-108M	***-3.30E-03***	U	1.47E-02	1.47E-02	2.52E-02	pCi/g		*-0.13*	4/18/05 07:49 a		299.7	GER11$1
								-0.45			g	
AM-241	***-3.39E-02***	U	1.29E-01	1.29E-01	2.14E-01	pCi/g		*-0.16*	4/18/05 07:49 a		299.7	GER11$1
								-0.53			g	
BI-212	***6.36E-01***	U	2.89E-01	2.89E-01	5.94E-01	pCi/g		*(1.1)*	4/18/05 07:49 a		299.7	GER11$1
								(4.4)			g	
BI-214	***5.90E-01***	U	1.03E-01	1.03E-01	1.58E-01	pCi/g		*(3.7)*	4/18/05 07:49 a		299.7	GER11$1
								(11.5)			g	
CO-60	***1.60E-02***	U	1.75E-02	1.75E-02	3.71E-02	pCi/g		*0.43*	4/18/05 07:49 a		299.7	GER11$1
							3.00E+00	*(1.8)*			g	
CS-134	***1.21E-02***	U	2.16E-02	2.16E-02	4.09E-02	pCi/g		*0.3*	4/18/05 07:49 a		299.7	GER11$1
							1.00E+01	*(1.1)*			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland
SDG: 28704
Collection Date: 4/7/2005 11:35:00 AM
Lot-Sample No.: J5D150180-12
Report No. : 28635
Received Date: 4/15/2005 9:00:00 AM
Client Sample ID: 3107-0000-195-C-2C-06
COC No. :
Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***4.50E-03***	U	2.40E-02	2.40E-02	4.75E-02	pCi/g		*0.09*	4/18/05 07:49 a		299.7	GER11$1
							2.00E+01	*0.38*			g	
EU-152	***-2.19E-02***	U	4.71E-02	4.71E-02	8.06E-02	pCi/g		*-0.27*	4/18/05 07:49 a		299.7	GER11$1
							9.00E+00	*-0.93*			g	
EU-154	***-2.88E-02***	U	5.98E-02	5.98E-02	1.03E-01	pCi/g		*-0.28*	4/18/05 07:49 a		299.7	GER11$1
							7.00E+00	*-0.96*			g	
EU-155	***2.15E-02***	U	5.61E-02	5.61E-02	1.01E-01	pCi/g		*0.21*	4/18/05 07:49 a		299.7	GER11$1
							3.00E+02	*0.77*			g	
K-40	***7.54E+00***		1.56E+00	1.56E+00	2.69E-01	pCi/g		*(28.)*	4/18/05 07:49 a		299.7	GER11$1
								(9.7)			g	
MN-54	***-7.40E-03***	U	2.01E-02	2.01E-02	3.45E-02	pCi/g		*-0.21*	4/18/05 07:49 a		299.7	GER11$1
							2.00E+00	*-0.74*			g	
NB-94	***-1.59E-02***	U	1.55E-02	1.55E-02	2.38E-02	pCi/g		*-0.67*	4/18/05 07:49 a		299.7	GER11$1
							3.00E-01	*-(2.)*			g	
PB-212	***4.44E-01***		8.73E-02	8.73E-02	5.14E-02	pCi/g		*(8.6)*	4/18/05 07:49 a		299.7	GER11$1
								(10.2)			g	
PB-214	***6.84E-01***		1.35E-01	1.35E-01	5.90E-02	pCi/g		*(11.6)*	4/18/05 07:49 a		299.7	GER11$1
								(10.1)			g	
RA-226	***5.90E-01***	U	1.03E-01	1.03E-01	1.58E-01	pCi/g		*(3.7)*	4/18/05 07:49 a		299.7	GER11$1
								(11.5)			g	
TL-208	***1.12E-01***		3.56E-02	3.56E-02	2.85E-02	pCi/g		*(3.9)*	4/18/05 07:49 a		299.7	GER11$1
								(6.3)			g	

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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	SDG:	28704	Collection Date:	4/7/2005 11:35:00 AM
Lot-Sample No.:	J5D150180-12	Report No. :	28635	Received Date:	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-195-C-2C-06	COC No. :		Matrix:	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
rptSTLRchSample
V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 3:50:00 PM
Lot-Sample No.:	J5D150180-13	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-196-C-1C-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105267	RICHRC5006			**Work Order:**	G8FRH1AD		**Report DB ID:**	9G8FRH10				
STRONTIUM	***1.86E-01***		1.52E-02	5.14E-02	1.60E-02	pCi/g	87%	*(11.7)*	4/20/05 09:53 a		25.01	GPC31B
						7.68E-03	1.00E-02	*(7.2)*			G	
Batch: 5105278	RICHRC5037			**Work Order:**	G8FRH1AC		**Report DB ID:**	9G8FRH10				
H-3	***5.55E+00***		1.22E-01	2.62E-01	4.77E-02	pCi/g	100%	*(116.3)*	4/19/05 05:09 a		100.9	LSC3
						2.21E-02	3.00E+00	*(42.4)*			G	
Batch: 5105290	RICHRC5017			**Work Order:**	G8FRH1AA		**Report DB ID:**	9G8FRH10				
AC-228	***4.81E-01***	U	2.05E-01	2.05E-01	3.30E-01	pCi/g		*(1.5)*	4/18/05 09:30 a		294.2	GER1$1
								(4.7)			g	
AG-108M	***-6.07E-03***	U	2.48E-02	2.48E-02	4.31E-02	pCi/g		*-0.14*	4/18/05 09:30 a		294.2	GER1$1
								-0.49			g	
AM-241	***-1.60E-01***	U	1.45E-01	1.45E-01	2.30E-01	pCi/g		*-0.7*	4/18/05 09:30 a		294.2	GER1$1
								-(2.2)			g	
BI-212	***4.37E-01***	U	4.71E-01	4.71E-01	8.85E-01	pCi/g		*0.49*	4/18/05 09:30 a		294.2	GER1$1
								(1.9)			g	
BI-214	***5.71E-01***	U	1.36E-01	1.36E-01	2.11E-01	pCi/g		*(2.7)*	4/18/05 09:30 a		294.2	GER1$1
								(8.4)			g	
CO-60	***1.76E-02***	U	3.19E-02	3.19E-02	6.27E-02	pCi/g		*0.28*	4/18/05 09:30 a		294.2	GER1$1
							3.00E+00	*(1.1)*			g	
CS-134	***-8.43E-03***	U	3.44E-02	3.44E-02	5.94E-02	pCi/g		*-0.14*	4/18/05 09:30 a		294.2	GER1$1
							1.00E+01	*-0.49*			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland | **SDG:** 28704 | **Collection Date:** 4/5/2005 3:50:00 PM

Lot-Sample No.: J5D150180-13 | **Report No. :** 28635 | **Received Date:** 4/15/2005 9:00:00 AM

Client Sample ID: 3107-0000-196-C-1C-01 | **COC No. :** | **Matrix:** SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***8.15E-03***	U	3.39E-02	3.39E-02	6.12E-02	pCi/g		*0.13*	4/18/05 09:30 a		294.2	GER1$1
							2.00E+01	*0.48*			g	
EU-152	***-1.17E-01***	U	1.21E-01	1.21E-01	1.67E-01	pCi/g		*-0.7*	4/18/05 09:30 a		294.2	GER1$1
							9.00E+00	*-(1.9)*			g	
EU-154	***5.87E-02***	U	1.07E-01	1.07E-01	2.03E-01	pCi/g		*0.29*	4/18/05 09:30 a		294.2	GER1$1
							7.00E+00	*(1.1)*			g	
EU-155	***3.20E-02***	U	9.58E-02	9.58E-02	1.66E-01	pCi/g		*0.19*	4/18/05 09:30 a		294.2	GER1$1
							3.00E+02	*0.67*			g	
K-40	***7.19E+00***		1.33E+00	1.33E+00	5.24E-01	pCi/g		*(13.7)*	4/18/05 09:30 a		294.2	GER1$1
								(10.8)			g	
MN-54	***1.45E-02***	U	3.12E-02	3.12E-02	5.82E-02	pCi/g		*0.25*	4/18/05 09:30 a		294.2	GER1$1
							2.00E+00	*0.93*			g	
NB-94	***1.18E-02***	U	3.27E-02	3.27E-02	6.01E-02	pCi/g		*0.2*	4/18/05 09:30 a		294.2	GER1$1
							3.00E-01	*0.72*			g	
PB-212	***6.38E-01***		1.51E-01	1.51E-01	8.99E-02	pCi/g		*(7.1)*	4/18/05 09:30 a		294.2	GER1$1
								(8.5)			g	
PB-214	***6.54E-01***		1.41E-01	1.41E-01	1.11E-01	pCi/g		*(5.9)*	4/18/05 09:30 a		294.2	GER1$1
								(9.3)			g	
RA-226	***5.71E-01***	U	1.36E-01	1.36E-01	2.11E-01	pCi/g		*(2.7)*	4/18/05 09:30 a		294.2	GER1$1
								(8.4)			g	
TL-208	***1.79E-01***	U	4.99E-02	4.99E-02	9.09E-02	pCi/g		*(2.)*	4/18/05 09:30 a		294.2	GER1$1
								(7.2)			g	

STL Richland
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MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 3:50:00 PM
Lot-Sample No.:	J5D150180-13	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-196-C-1C-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/5/2005 3:50:00 PM
Lot-Sample No.:	**J5D150180-14**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-196-C-1C-02**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105267	RICHRC5006			**Work Order:**	G8FRK1AD		**Report DB ID:**	9G8FRK10				
STRONTIUM	***1.46E-01***		1.41E-02	4.10E-02	1.65E-02	pCi/g	83%	*(8.8)*	4/20/05 09:53 a		25.05	GPC31C
						7.94E-03	1.00E-02	*(7.1)*			G	
Batch: 5105278	RICHRC5037			**Work Order:**	G8FRK1AC		**Report DB ID:**	9G8FRK10				
H-3	***6.98E+00***		1.37E-01	3.22E-01	4.84E-02	pCi/g	100%	*(144.2)*	4/19/05 05:51 a		100.3	LSC3
						2.24E-02	3.00E+00	*(43.3)*			G	
Batch: 5105290	RICHRC5017			**Work Order:**	G8FRK1AA		**Report DB ID:**	9G8FRK10				
AC-228	***4.72E-01***	U	1.76E-01	1.76E-01	3.09E-01	pCi/g		*(1.5)*	4/18/05 09:30 a		306.2	GER4$1
								(5.4)			g	
AG-108M	***-2.01E-03***	U	2.19E-02	2.19E-02	3.86E-02	pCi/g		*-0.05*	4/18/05 09:30 a		306.2	GER4$1
								-0.18			g	
AM-241	***5.31E-02***	U	1.30E-01	1.30E-01	2.36E-01	pCi/g		*0.23*	4/18/05 09:30 a		306.2	GER4$1
								0.82			g	
BI-212	***6.76E-01***	U	4.05E-01	4.05E-01	8.19E-01	pCi/g		*0.83*	4/18/05 09:30 a		306.2	GER4$1
								(3.3)			g	
BI-214	***5.72E-01***	U	1.29E-01	1.29E-01	2.10E-01	pCi/g		*(2.7)*	4/18/05 09:30 a		306.2	GER4$1
								(8.9)			g	
CO-60	***-1.16E-02***	U	2.69E-02	2.69E-02	4.75E-02	pCi/g		*-0.24*	4/18/05 09:30 a		306.2	GER4$1
							3.00E+00	*-0.86*			g	
CS-134	***2.56E-03***	U	3.27E-02	3.27E-02	5.97E-02	pCi/g		*0.04*	4/18/05 09:30 a		306.2	GER4$1
							1.00E+01	*0.16*			g	

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland | **SDG:** 28704 | **Collection Date:** 4/5/2005 3:50:00 PM

Lot-Sample No.: J5D150180-14 | **Report No. :** 28635 | **Received Date:** 4/15/2005 9:00:00 AM

Client Sample ID: 3107-0000-196-C-1C-02 | **COC No. :** | **Matrix:** SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-9.63E-03***	U	2.64E-02	2.64E-02	4.55E-02	pCi/g		*-0.21*	4/18/05 09:30 a		306.2	GER4$1
							2.00E+01	*-0.73*			g	
EU-152	***1.81E-02***	U	7.10E-02	7.10E-02	1.26E-01	pCi/g		*0.14*	4/18/05 09:30 a		306.2	GER4$1
							9.00E+00	*0.51*			g	
EU-154	***4.31E-02***	U	8.25E-02	8.25E-02	1.66E-01	pCi/g		*0.26*	4/18/05 09:30 a		306.2	GER4$1
							7.00E+00	*(1.)*			g	
EU-155	***1.21E-01***	U	8.30E-02	8.30E-02	1.51E-01	pCi/g		*0.8*	4/18/05 09:30 a		306.2	GER4$1
							3.00E+02	*(2.9)*			g	
K-40	***7.14E+00***		1.42E+00	1.42E+00	3.93E-01	pCi/g		*(18.2)*	4/18/05 09:30 a		306.2	GER4$1
								(10.1)			g	
MN-54	***-2.95E-03***	U	2.31E-02	2.31E-02	4.20E-02	pCi/g		*-0.07*	4/18/05 09:30 a		306.2	GER4$1
							2.00E+00	*-0.25*			g	
NB-94	***5.23E-03***	U	2.39E-02	2.39E-02	4.49E-02	pCi/g		*0.12*	4/18/05 09:30 a		306.2	GER4$1
							3.00E-01	*0.44*			g	
PB-212	***5.25E-01***		1.11E-01	1.11E-01	7.36E-02	pCi/g		*(7.1)*	4/18/05 09:30 a		306.2	GER4$1
								(9.4)			g	
PB-214	***6.54E-01***		1.41E-01	1.41E-01	8.74E-02	pCi/g		*(7.5)*	4/18/05 09:30 a		306.2	GER4$1
								(9.3)			g	
RA-226	***5.72E-01***		1.29E-01	1.29E-01	8.15E-02	pCi/g		*(7.)*	4/18/05 09:30 a		306.2	GER4$1
								(8.9)			g	
TL-208	***1.59E-01***	U	6.46E-02	6.46E-02	8.88E-02	pCi/g		*(1.8)*	4/18/05 09:30 a		306.2	GER4$1
								(4.9)			g	

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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 3:50:00 PM
Lot-Sample No.:	J5D150180-14	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-196-C-1C-02	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/5/2005 3:50:00 PM
Lot-Sample No.:	**J5D150180-15**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-196-C-1C-03**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105267	RICHRC5006			**Work Order:**	G8FRN1AD		**Report DB ID:**	9G8FRN10				
STRONTIUM	***4.63E-02***		1.06E-02	1.62E-02	1.70E-02	pCi/g	80%	*(2.7)*	4/20/05 09:53 a		25.03	GPC31D
						8.17E-03	1.00E-02	*(5.7)*			G	
Batch: 5105278	RICHRC5037			**Work Order:**	G8FRN1AC		**Report DB ID:**	9G8FRN10				
H-3	***4.18E+00***		9.76E-02	2.00E-01	4.05E-02	pCi/g	100%	*(103.2)*	4/19/05 06:33 a		100.4	LSC3
						1.87E-02	3.00E+00	*(41.7)*			G	
Batch: 5105290	RICHRC5017			**Work Order:**	G8FRN1AA		**Report DB ID:**	9G8FRN10				
AC-228	***1.65E-01***	U	1.60E-01	1.60E-01	2.66E-01	pCi/g		*0.62*	4/18/05 09:31 a		339.2	GER7$1
								(2.1)			g	
AG-108M	***-3.00E-03***	U	2.01E-02	2.01E-02	3.50E-02	pCi/g		*-0.09*	4/18/05 09:31 a		339.2	GER7$1
								-0.3			g	
AM-241	***5.47E-02***	U	7.89E-02	7.89E-02	1.40E-01	pCi/g		*0.39*	4/18/05 09:31 a		339.2	GER7$1
								(1.4)			g	
BI-212	***4.51E-01***	U	3.25E-01	3.25E-01	6.72E-01	pCi/g		*0.67*	4/18/05 09:31 a		339.2	GER7$1
								(2.8)			g	
BI-214	***4.54E-01***	U	1.12E-01	1.12E-01	1.87E-01	pCi/g		*(2.4)*	4/18/05 09:31 a		339.2	GER7$1
								(8.1)			g	
CO-60	***-1.16E-02***	U	2.95E-02	2.95E-02	5.16E-02	pCi/g		*-0.22*	4/18/05 09:31 a		339.2	GER7$1
							3.00E+00	*-0.78*			g	
CS-134	***4.68E-02***	U	2.73E-02	2.73E-02	5.75E-02	pCi/g		*0.81*	4/18/05 09:31 a		339.2	GER7$1
							1.00E+01	*(3.4)*			g	

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/5/2005 3:50:00 PM
Lot-Sample No.:	**J5D150180-15**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-196-C-1C-03**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-6.83E-03***	U	2.59E-02	2.59E-02	4.47E-02	pCi/g		*-0.15*	4/18/05 09:31 a		339.2	GER7$1
							2.00E+01	*-0.53*			g	
EU-152	***4.56E-02***	U	7.14E-02	7.14E-02	1.32E-01	pCi/g		*0.35*	4/18/05 09:31 a		339.2	GER7$1
							9.00E+00	*(1.3)*			g	
EU-154	***-2.06E-02***	U	8.21E-02	8.21E-02	1.47E-01	pCi/g		*-0.14*	4/18/05 09:31 a		339.2	GER7$1
							7.00E+00	*-0.5*			g	
EU-155	***4.71E-02***	U	6.22E-02	6.22E-02	1.13E-01	pCi/g		*0.42*	4/18/05 09:31 a		339.2	GER7$1
							3.00E+02	*(1.5)*			g	
K-40	***6.92E+00***		1.28E+00	1.28E+00	4.28E-01	pCi/g		*(16.2)*	4/18/05 09:31 a		339.2	GER7$1
								(10.8)			g	
MN-54	***-1.41E-03***	U	2.52E-02	2.52E-02	4.52E-02	pCi/g		*-0.03*	4/18/05 09:31 a		339.2	GER7$1
							2.00E+00	*-0.11*			g	
NB-94	***-1.96E-02***	U	2.39E-02	2.39E-02	3.84E-02	pCi/g		*-0.51*	4/18/05 09:31 a		339.2	GER7$1
							3.00E-01	*-(1.6)*			g	
PB-212	***4.87E-01***		1.06E-01	1.06E-01	9.28E-02	pCi/g		*(5.3)*	4/18/05 09:31 a		339.2	GER7$1
								(9.2)			g	
PB-214	***4.44E-01***		1.40E-01	1.40E-01	8.61E-02	pCi/g		*(5.2)*	4/18/05 09:31 a		339.2	GER7$1
								(6.3)			g	
RA-226	***4.54E-01***	U	1.12E-01	1.12E-01	1.87E-01	pCi/g		*(2.4)*	4/18/05 09:31 a		339.2	GER7$1
								(8.1)			g	
TL-208	***1.42E-01***	U	4.62E-02	4.62E-02	7.60E-02	pCi/g		*(1.9)*	4/18/05 09:31 a		339.2	GER7$1
								(6.2)			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 3:50:00 PM
Lot-Sample No.:	J5D150180-15	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-196-C-1C-03	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
rptSTLRchSample
V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 10:15:00 AM
Lot-Sample No.:	J5D150180-16	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-196-C-2C-04	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FRQ1AD		**Report DB ID:**	9G8FRQ10				
STRONTIUM	***2.36E-01***		1.74E-02	6.43E-02	1.90E-02	pCi/g	77%	*(12.4)*	4/20/05 01:52 p		25.08	GPC26A
						9.20E-03	1.00E-02	*(7.4)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FRQ1AC		**Report DB ID:**	9G8FRQ10				
H-3	***1.08E+01***		1.24E-01	4.74E-01	2.65E-02	pCi/g	100%	*(407.6)*	4/19/05 10:10 p		99.0	LSC8
						1.23E-02	3.00E+00	*(45.5)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FRQ1AA		**Report DB ID:**	9G8FRQ10				
AC-228	***7.46E-01***	U	2.02E-01	2.02E-01	3.19E-01	pCi/g		*(2.3)*	4/16/05 08:16 a		255.3	GER12$1
								(7.4)			g	
AG-108M	***1.13E-02***	U	1.83E-02	1.83E-02	3.38E-02	pCi/g		*0.33*	4/16/05 08:16 a		255.3	GER12$1
								(1.2)			g	
AM-241	***-3.08E-02***	U	6.76E-02	6.76E-02	1.14E-01	pCi/g		*-0.27*	4/16/05 08:16 a		255.3	GER12$1
								-0.91			g	
BI-212	***1.12E+00***	U	6.61E-01	6.61E-01	8.22E-01	pCi/g		*(1.4)*	4/16/05 08:16 a		255.3	GER12$1
								(3.4)			g	
BI-214	***5.45E-01***		1.18E-01	1.18E-01	8.27E-02	pCi/g		*(6.6)*	4/16/05 08:16 a		255.3	GER12$1
								(9.2)			g	
CO-60	***1.20E-04***	U	2.71E-02	2.71E-02	5.00E-02	pCi/g		*0.*	4/16/05 08:16 a		255.3	GER12$1
							3.00E+00	*0.01*			g	
CS-134	***4.48E-02***	U	2.82E-02	2.82E-02	5.66E-02	pCi/g		*0.79*	4/16/05 08:16 a		255.3	GER12$1
							1.00E+01	*(3.2)*			g	

STL Richland
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V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 10:15:00 AM
Lot-Sample No.:	J5D150180-16	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-196-C-2C-04	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-1.35E-03***	U	2.18E-02	2.18E-02	3.86E-02	pCi/g		*-0.04*	4/16/05 08:16 a		255.3	GER12$1
							2.00E+01	*-0.12*			g	
EU-152	***2.07E-02***	U	5.27E-02	5.27E-02	9.76E-02	pCi/g		*0.21*	4/16/05 08:16 a		255.3	GER12$1
							9.00E+00	*0.78*			g	
EU-154	***-1.01E-02***	U	7.94E-02	7.94E-02	1.44E-01	pCi/g		*-0.07*	4/16/05 08:16 a		255.3	GER12$1
							7.00E+00	*-0.25*			g	
EU-155	***6.13E-03***	U	6.02E-02	6.02E-02	1.07E-01	pCi/g		*0.06*	4/16/05 08:16 a		255.3	GER12$1
							3.00E+02	*0.2*			g	
K-40	***9.10E+00***		1.61E+00	1.61E+00	3.90E-01	pCi/g		*(23.4)*	4/16/05 08:16 a		255.3	GER12$1
								(11.3)			g	
MN-54	***-7.91E-03***	U	2.31E-02	2.31E-02	3.99E-02	pCi/g		*-0.2*	4/16/05 08:16 a		255.3	GER12$1
							2.00E+00	*-0.69*			g	
NB-94	***1.62E-02***	U	2.28E-02	2.28E-02	4.38E-02	pCi/g		*0.37*	4/16/05 08:16 a		255.3	GER12$1
							3.00E-01	*(1.4)*			g	
PB-212	***6.34E-01***		1.22E-01	1.22E-01	6.57E-02	pCi/g		*(9.6)*	4/16/05 08:16 a		255.3	GER12$1
								(10.4)			g	
PB-214	***5.66E-01***		1.26E-01	1.26E-01	7.02E-02	pCi/g		*(8.1)*	4/16/05 08:16 a		255.3	GER12$1
								(8.9)			g	
RA-226	***5.45E-01***		1.18E-01	1.18E-01	8.27E-02	pCi/g		*(6.6)*	4/16/05 08:16 a		255.3	GER12$1
								(9.2)			g	
TL-208	***1.63E-01***		5.04E-02	5.04E-02	4.29E-02	pCi/g		*(3.8)*	4/16/05 08:16 a		255.3	GER12$1
								(6.5)			g	

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 10:15:00 AM
Lot-Sample No.:	J5D150180-16	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-196-C-2C-04	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 10:15:00 AM
Lot-Sample No.:	J5D150180-17	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-196-C-2C-05	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FRR1AD		**Report DB ID:**	9G8FRR10				
STRONTIUM	***8.81E-02***		1.18E-02	2.58E-02	1.62E-02	pCi/g	83%	*(5.4)*	4/20/05 01:52 p		25.04	GPC26B
						7.83E-03	1.00E-02	*(6.8)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FRR1AC		**Report DB ID:**	9G8FRR10				
H-3	***1.33E+01***		1.35E-01	5.80E-01	2.55E-02	pCi/g	100%	*(520.7)*	4/19/05 10:51 p		100.3	LSC8
						1.18E-02	3.00E+00	*(45.9)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FRR1AA		**Report DB ID:**	9G8FRR10				
AC-228	***4.40E-01***	U	1.67E-01	1.67E-01	3.22E-01	pCi/g		*(1.4)*	4/16/05 08:17 a		305.1	GER1$1
								(5.3)			g	
AG-108M	***-1.79E-02***	U	2.82E-02	2.82E-02	4.63E-02	pCi/g		*-0.39*	4/16/05 08:17 a		305.1	GER1$1
								-(1.3)			g	
AM-241	***-1.37E-01***	U	1.28E-01	1.28E-01	2.08E-01	pCi/g		*-0.66*	4/16/05 08:17 a		305.1	GER1$1
								-(2.1)			g	
BI-212	***6.75E-01***	U	4.92E-01	4.92E-01	9.35E-01	pCi/g		*0.72*	4/16/05 08:17 a		305.1	GER1$1
								(2.7)			g	
BI-214	***5.13E-01***	U	1.62E-01	1.62E-01	2.03E-01	pCi/g		*(2.5)*	4/16/05 08:17 a		305.1	GER1$1
								(6.3)			g	
CO-60	***4.38E-03***	U	3.28E-02	3.28E-02	6.13E-02	pCi/g		*0.07*	4/16/05 08:17 a		305.1	GER1$1
							3.00E+00	*0.27*			g	
CS-134	***3.18E-02***	U	3.81E-02	3.81E-02	7.17E-02	pCi/g		*0.44*	4/16/05 08:17 a		305.1	GER1$1
							1.00E+01	*(1.7)*			g	

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/6/2005 10:15:00 AM
Lot-Sample No.:	**J5D150180-17**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-196-C-2C-05**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-3.02E-02***	U	3.11E-02	3.11E-02	5.01E-02	pCi/g		*-0.6*	4/16/05 08:17 a		305.1	GER1$1
							2.00E+01	*-(1.9)*			g	
EU-152	***-1.41E-01***	U	1.10E-01	1.10E-01	1.59E-01	pCi/g		*-0.89*	4/16/05 08:17 a		305.1	GER1$1
							9.00E+00	*-(2.6)*			g	
EU-154	***-6.19E-03***	U	9.97E-02	9.97E-02	1.80E-01	pCi/g		*-0.03*	4/16/05 08:17 a		305.1	GER1$1
							7.00E+00	*-0.12*			g	
EU-155	***6.55E-02***	U	9.41E-02	9.41E-02	1.63E-01	pCi/g		*0.4*	4/16/05 08:17 a		305.1	GER1$1
							3.00E+02	*(1.4)*			g	
K-40	***7.71E+00***		1.39E+00	1.39E+00	4.29E-01	pCi/g		*(18.)*	4/16/05 08:17 a		305.1	GER1$1
								(11.1)			g	
MN-54	***-3.51E-03***	U	3.18E-02	3.18E-02	5.61E-02	pCi/g		*-0.06*	4/16/05 08:17 a		305.1	GER1$1
							2.00E+00	*-0.22*			g	
NB-94	***2.29E-02***	U	2.84E-02	2.84E-02	5.46E-02	pCi/g		*0.42*	4/16/05 08:17 a		305.1	GER1$1
							3.00E-01	*(1.6)*			g	
PB-212	***6.08E-01***		1.57E-01	1.57E-01	8.47E-02	pCi/g		*(7.2)*	4/16/05 08:17 a		305.1	GER1$1
								(7.7)			g	
PB-214	***5.14E-01***		1.44E-01	1.44E-01	1.11E-01	pCi/g		*(4.6)*	4/16/05 08:17 a		305.1	GER1$1
								(7.1)			g	
RA-226	***5.13E-01***	U	1.62E-01	1.62E-01	2.03E-01	pCi/g		*(2.5)*	4/16/05 08:17 a		305.1	GER1$1
								(6.3)			g	
TL-208	***1.60E-01***	U	5.31E-02	5.31E-02	8.69E-02	pCi/g		*(1.8)*	4/16/05 08:17 a		305.1	GER1$1
								(6.)			g	

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 10:15:00 AM
Lot-Sample No.:	J5D150180-17	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-196-C-2C-05	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland | **SDG:** 28704 | **Collection Date:** 4/6/2005 10:15:00 AM

Lot-Sample No.: J5D150180-18 | **Report No. :** 28635 | **Received Date:** 4/15/2005 9:00:00 AM

Client Sample ID: 3107-0000-196-C-2C-06 | **COC No. :** | **Matrix:** SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC | MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FRT1AD		**Report DB ID:**	9G8FRT10				
STRONTIUM	***1.34E-01***		1.29E-02	3.72E-02	1.51E-02	pCi/g	89%	*(8.8)*	4/20/05 01:52 p		25.02	GPC26C
						7.27E-03	1.00E-02	*(7.2)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FRT1AC		**Report DB ID:**	9G8FRT10				
H-3	***1.58E+01***		1.83E-01	6.96E-01	3.94E-02	pCi/g	100%	*(401.7)*	4/19/05 11:32 p		100.1	LSC8
						1.83E-02	3.00E+00	*(45.5)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FRT1AA		**Report DB ID:**	9G8FRT10				
AC-228	***6.81E-01***		2.09E-01	2.09E-01	1.49E-01	pCi/g		*(4.6)*	4/16/05 08:17 a		287.7	GER4$1
								(6.5)			g	
AG-108M	***9.67E-03***	U	2.35E-02	2.35E-02	4.28E-02	pCi/g		*0.23*	4/16/05 08:17 a		287.7	GER4$1
								0.82			g	
AM-241	***4.72E-02***	U	1.65E-01	1.65E-01	2.85E-01	pCi/g		*0.17*	4/16/05 08:17 a		287.7	GER4$1
								0.57			g	
BI-212	***9.73E-01***	U	5.31E-01	5.31E-01	8.89E-01	pCi/g		*(1.1)*	4/16/05 08:17 a		287.7	GER4$1
								(3.7)			g	
BI-214	***5.79E-01***	U	1.38E-01	1.38E-01	2.15E-01	pCi/g		*(2.7)*	4/16/05 08:17 a		287.7	GER4$1
								(8.4)			g	
CO-60	***-3.48E-04***	U	2.91E-02	2.91E-02	5.52E-02	pCi/g		*-0.01*	4/16/05 08:17 a		287.7	GER4$1
							3.00E+00	*-0.02*			g	
CS-134	***3.94E-02***	U	3.15E-02	3.15E-02	6.40E-02	pCi/g		*0.62*	4/16/05 08:17 a		287.7	GER4$1
							1.00E+01	*(2.5)*			g	

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/6/2005 10:15:00 AM
Lot-Sample No.:	**J5D150180-18**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-196-C-2C-06**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-7.96E-03***	U	2.92E-02	2.92E-02	5.03E-02	pCi/g		*-0.16*	4/16/05 08:17 a		287.7	GER4$1
							2.00E+01	*-0.54*			g	
EU-152	***-1.17E-02***	U	7.70E-02	7.70E-02	1.35E-01	pCi/g		*-0.09*	4/16/05 08:17 a		287.7	GER4$1
							9.00E+00	*-0.3*			g	
EU-154	***1.42E-02***	U	7.26E-02	7.26E-02	1.44E-01	pCi/g		*0.1*	4/16/05 08:17 a		287.7	GER4$1
							7.00E+00	*0.39*			g	
EU-155	***1.14E-01***	U	8.27E-02	8.27E-02	1.54E-01	pCi/g		*0.74*	4/16/05 08:17 a		287.7	GER4$1
							3.00E+02	*(2.8)*			g	
K-40	***6.86E+00***		1.42E+00	1.42E+00	2.47E-01	pCi/g		*(27.8)*	4/16/05 08:17 a		287.7	GER4$1
								(9.7)			g	
MN-54	***-1.44E-02***	U	2.98E-02	2.98E-02	5.05E-02	pCi/g		*-0.28*	4/16/05 08:17 a		287.7	GER4$1
							2.00E+00	*-0.96*			g	
NB-94	***1.13E-02***	U	2.23E-02	2.23E-02	4.40E-02	pCi/g		*0.26*	4/16/05 08:17 a		287.7	GER4$1
							3.00E-01	*(1.)*			g	
PB-212	***7.14E-01***		1.38E-01	1.38E-01	9.52E-02	pCi/g		*(7.5)*	4/16/05 08:17 a		287.7	GER4$1
								(10.3)			g	
PB-214	***6.06E-01***		1.40E-01	1.40E-01	8.59E-02	pCi/g		*(7.1)*	4/16/05 08:17 a		287.7	GER4$1
								(8.6)			g	
RA-226	***5.79E-01***	U	1.38E-01	1.38E-01	2.15E-01	pCi/g		*(2.7)*	4/16/05 08:17 a		287.7	GER4$1
								(8.4)			g	
TL-208	***1.92E-01***	U	5.77E-02	5.77E-02	9.56E-02	pCi/g		*(2.)*	4/16/05 08:17 a		287.7	GER4$1
								(6.7)			g	

STL Richland
rptSTLRchSample
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/6/2005 10:15:00 AM
Lot-Sample No.:	**J5D150180-18**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-196-C-2C-06**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

STL Richland
rptSTLRchSample
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
J Qual - No U|< qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland
SDG: 28704
Collection Date: 4/6/2005 2:50:00 PM
Lot-Sample No.: J5D150180-19
Report No. : 28635
Received Date: 4/15/2005 9:00:00 AM
Client Sample ID: 3107-0000-197-C-1C-01
COC No. :
Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:** G8FRV1AD			**Report DB ID:** 9G8FRV10					
STRONTIUM	***2.79E-01***		1.93E-02	7.55E-02	1.90E-02	pCi/g	70%	*(14.7)*	4/20/05 01:52 p		25.08	GPC26D
						9.14E-03	1.00E-02	*(7.4)*			G	
Batch: 5105284	RICHRC5037			**Work Order:** G8FRV1AC			**Report DB ID:** 9G8FRV10					
H-3	***2.19E+00***	J	5.53E-02	1.09E-01	2.55E-02	pCi/g	100%	*(85.9)*	4/20/05 12:14 a		100.4	LSC8
						1.18E-02	3.00E+00	*(40.3)*			G	
Batch: 5105292	RICHRC5017			**Work Order:** G8FRV1AA			**Report DB ID:** 9G8FRV10					
AC-228	***6.27E-01***	U	1.81E-01	1.81E-01	3.42E-01	pCi/g		*(1.8)*	4/16/05 08:18 a		295.1	GER7$1
								(6.9)			g	
AG-108M	***1.06E-02***	U	1.86E-02	1.86E-02	3.58E-02	pCi/g		*0.3*	4/16/05 08:18 a		295.1	GER7$1
								(1.1)			g	
AM-241	***-1.96E-02***	U	7.83E-02	7.83E-02	1.35E-01	pCi/g		*-0.15*	4/16/05 08:18 a		295.1	GER7$1
								-0.5			g	
BI-212	***8.52E-01***	U	4.63E-01	4.63E-01	9.34E-01	pCi/g		*0.91*	4/16/05 08:18 a		295.1	GER7$1
								(3.7)			g	
BI-214	***3.62E-01***	U	1.48E-01	1.48E-01	1.90E-01	pCi/g		*(1.9)*	4/16/05 08:18 a		295.1	GER7$1
								(4.9)			g	
CO-60	***1.94E-03***	U	2.49E-02	2.49E-02	4.90E-02	pCi/g		*0.04*	4/16/05 08:18 a		295.1	GER7$1
							3.00E+00	*0.16*			g	
CS-134	***1.81E-02***	U	2.81E-02	2.81E-02	5.56E-02	pCi/g		*0.32*	4/16/05 08:18 a		295.1	GER7$1
							1.00E+01	*(1.3)*			g	

STL Richland
rptSTLRchSample
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-19	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-8.33E-03***	U	2.87E-02	2.87E-02	4.98E-02	pCi/g		*-0.17*	4/16/05 08:18 a		295.1	GER7$1
							2.00E+01	*-0.58*			g	
EU-152	***3.47E-02***	U	7.70E-02	7.70E-02	1.39E-01	pCi/g		*0.25*	4/16/05 08:18 a		295.1	GER7$1
							9.00E+00	*0.9*			g	
EU-154	***2.60E-02***	U	8.59E-02	8.59E-02	1.69E-01	pCi/g		*0.15*	4/16/05 08:18 a		295.1	GER7$1
							7.00E+00	*0.61*			g	
EU-155	***2.51E-02***	U	7.31E-02	7.31E-02	1.27E-01	pCi/g		*0.2*	4/16/05 08:18 a		295.1	GER7$1
							3.00E+02	*0.69*			g	
K-40	***6.61E+00***		1.28E+00	1.28E+00	4.13E-01	pCi/g		*(16.)*	4/16/05 08:18 a		295.1	GER7$1
								(10.4)			g	
MN-54	***3.38E-03***	U	2.46E-02	2.46E-02	4.62E-02	pCi/g		*0.07*	4/16/05 08:18 a		295.1	GER7$1
							2.00E+00	*0.27*			g	
NB-94	***8.79E-03***	U	2.33E-02	2.33E-02	4.54E-02	pCi/g		*0.19*	4/16/05 08:18 a		295.1	GER7$1
							3.00E-01	*0.75*			g	
PB-212	***4.12E-01***		1.01E-01	1.01E-01	9.34E-02	pCi/g		*(4.4)*	4/16/05 08:18 a		295.1	GER7$1
								(8.1)			g	
PB-214	***4.46E-01***		1.17E-01	1.17E-01	8.23E-02	pCi/g		*(5.4)*	4/16/05 08:18 a		295.1	GER7$1
								(7.6)			g	
RA-226	***3.62E-01***	U	1.48E-01	1.48E-01	1.91E-01	pCi/g		*(1.9)*	4/16/05 08:18 a		295.1	GER7$1
								(4.9)			g	
TL-208	***1.53E-01***	U	4.44E-02	4.44E-02	8.27E-02	pCi/g		*(1.8)*	4/16/05 08:18 a		295.1	GER7$1
								(6.9)			g	

STL Richland
rptSTLRchSample V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-19	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

STL Richland
rptSTLRchSample
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-20	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-02	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FRW1AD		**Report DB ID:**	9G8FRW10				
STRONTIUM	***1.05E-01***		1.21E-02	3.04E-02	1.54E-02	pCi/g	84%	*(6.8)*	4/20/05 01:52 p		25.0	GPC27A
						7.43E-03	1.00E-02	*(6.9)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FRW1AC		**Report DB ID:**	9G8FRW10				
H-3	***5.65E+00***		9.60E-02	2.59E-01	3.03E-02	pCi/g	100%	*(186.3)*	4/20/05 12:55 a		100.5	LSC8
						1.41E-02	3.00E+00	*(43.7)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FRW1AA		**Report DB ID:**	9G8FRW10				
AC-228	***4.09E-01***		1.65E-01	1.65E-01	1.31E-01	pCi/g		*(3.1)*	4/16/05 08:19 a		326.0	GER8$1
								(4.9)			g	
AG-108M	***2.11E-03***	U	1.81E-02	1.81E-02	3.23E-02	pCi/g		*0.07*	4/16/05 08:19 a		326.0	GER8$1
								0.23			g	
AM-241	***4.55E-03***	U	4.30E-02	4.30E-02	7.23E-02	pCi/g		*0.06*	4/16/05 08:19 a		326.0	GER8$1
								0.21			g	
BI-212	***2.71E-01***	U	3.88E-01	3.88E-01	7.31E-01	pCi/g		*0.37*	4/16/05 08:19 a		326.0	GER8$1
								(1.4)			g	
BI-214	***4.42E-01***	U	1.13E-01	1.13E-01	1.79E-01	pCi/g		*(2.5)*	4/16/05 08:19 a		326.0	GER8$1
								(7.8)			g	
CO-60	***1.48E-02***	U	2.62E-02	2.62E-02	5.27E-02	pCi/g		*0.28*	4/16/05 08:19 a		326.0	GER8$1
							3.00E+00	*(1.1)*			g	
CS-134	***1.49E-02***	U	2.40E-02	2.40E-02	4.69E-02	pCi/g		*0.32*	4/16/05 08:19 a		326.0	GER8$1
							1.00E+01	*(1.2)*			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-20	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-02	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***3.55E-02***	U	2.59E-02	2.59E-02	5.17E-02	pCi/g		*0.69*	4/16/05 08:19 a		326.0	GER8$1
							2.00E+01	*(2.7)*			g	
EU-152	***-7.64E-03***	U	6.15E-02	6.15E-02	1.04E-01	pCi/g		*-0.07*	4/16/05 08:19 a		326.0	GER8$1
							9.00E+00	*-0.25*			g	
EU-154	***2.90E-02***	U	5.96E-02	5.96E-02	1.23E-01	pCi/g		*0.24*	4/16/05 08:19 a		326.0	GER8$1
							7.00E+00	*0.97*			g	
EU-155	***-3.64E-03***	U	6.01E-02	6.01E-02	1.04E-01	pCi/g		*-0.04*	4/16/05 08:19 a		326.0	GER8$1
							3.00E+02	*-0.12*			g	
K-40	***6.26E+00***		1.13E+00	1.13E+00	3.57E-01	pCi/g		*(17.5)*	4/16/05 08:19 a		326.0	GER8$1
								(11.1)			g	
MN-54	***-2.02E-03***	U	2.41E-02	2.41E-02	4.29E-02	pCi/g		*-0.05*	4/16/05 08:19 a		326.0	GER8$1
							2.00E+00	*-0.17*			g	
NB-94	***-9.82E-03***	U	2.08E-02	2.08E-02	3.53E-02	pCi/g		*-0.28*	4/16/05 08:19 a		326.0	GER8$1
							3.00E-01	*-0.95*			g	
PB-212	***4.15E-01***		9.40E-02	9.40E-02	9.53E-02	pCi/g		*(4.3)*	4/16/05 08:19 a		326.0	GER8$1
								(8.8)			g	
PB-214	***4.71E-01***		1.12E-01	1.12E-01	7.44E-02	pCi/g		*(6.3)*	4/16/05 08:19 a		326.0	GER8$1
								(8.4)			g	
RA-226	***4.42E-01***	U	1.13E-01	1.13E-01	1.79E-01	pCi/g		*(2.5)*	4/16/05 08:19 a		326.0	GER8$1
								(7.8)			g	
TL-208	***1.66E-01***		4.67E-02	4.67E-02	3.39E-02	pCi/g		*(4.9)*	4/16/05 08:19 a		326.0	GER8$1
								(7.1)			g	

STL Richland
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MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	SDG:	28704	Collection Date:	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-20	Report No. :	28635	Received Date:	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-02	COC No. :		Matrix:	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
rptSTLRchSample
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-21	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-03	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC | MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FRX1AD		**Report DB ID:**	9G8FRX10				
STRONTIUM	***7.55E-02***		1.14E-02	2.29E-02	1.61E-02	pCi/g	78%	*(4.7)*	4/20/05 01:52 p		25.06	GPC27B
						7.75E-03	1.00E-02	*(6.6)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FRX1AC		**Report DB ID:**	9G8FRX10				
H-3	***3.50E+00***		7.69E-02	1.68E-01	3.11E-02	pCi/g	100%	*(112.5)*	4/20/05 01:37 a		100.2	LSC8
						1.44E-02	3.00E+00	*(41.7)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FRX1AA		**Report DB ID:**	9G8FRX10				
AC-228	***4.20E-01***	U	1.48E-01	1.48E-01	2.48E-01	pCi/g		*(1.7)*	4/16/05 08:20 a		289.0	GER10$1
								(5.7)			g	
AG-108M	***-1.18E-02***	U	1.74E-02	1.74E-02	2.85E-02	pCi/g		*-0.42*	4/16/05 08:20 a		289.0	GER10$1
								-(1.4)			g	
AM-241	***2.39E-02***	U	8.07E-02	8.07E-02	1.42E-01	pCi/g		*0.17*	4/16/05 08:20 a		289.0	GER10$1
								0.59			g	
BI-212	***4.17E-01***	U	3.31E-01	3.31E-01	6.39E-01	pCi/g		*0.65*	4/16/05 08:20 a		289.0	GER10$1
								(2.5)			g	
BI-214	***5.92E-01***		1.28E-01	1.28E-01	7.26E-02	pCi/g		*(8.2)*	4/16/05 08:20 a		289.0	GER10$1
								(9.2)			g	
CO-60	***-3.33E-03***	U	2.18E-02	2.18E-02	3.93E-02	pCi/g		*-0.08*	4/16/05 08:20 a		289.0	GER10$1
							3.00E+00	*-0.31*			g	
CS-134	***4.01E-02***	U	2.61E-02	2.61E-02	5.22E-02	pCi/g		*0.77*	4/16/05 08:20 a		289.0	GER10$1
							1.00E+01	*(3.1)*			g	

STL Richland
rptSTLRchSample
V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-21	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-03	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***3.72E-03***	U	2.30E-02	2.30E-02	4.13E-02	pCi/g		*0.09*	4/16/05 08:20 a		289.0	GER10$1
							2.00E+01	*0.32*			g	
EU-152	***1.92E-02***	U	6.11E-02	6.11E-02	1.10E-01	pCi/g		*0.17*	4/16/05 08:20 a		289.0	GER10$1
							9.00E+00	*0.63*			g	
EU-154	***-7.17E-02***	U	6.96E-02	6.96E-02	1.08E-01	pCi/g		*-0.66*	4/16/05 08:20 a		289.0	GER10$1
							7.00E+00	*-(2.1)*			g	
EU-155	***7.46E-02***	U	6.58E-02	6.58E-02	1.19E-01	pCi/g		*0.63*	4/16/05 08:20 a		289.0	GER10$1
							3.00E+02	*(2.3)*			g	
K-40	***7.72E+00***		1.23E+00	1.23E+00	3.69E-01	pCi/g		*(20.9)*	4/16/05 08:20 a		289.0	GER10$1
								(12.6)			g	
MN-54	***-1.04E-02***	U	2.17E-02	2.17E-02	3.70E-02	pCi/g		*-0.28*	4/16/05 08:20 a		289.0	GER10$1
							2.00E+00	*-0.96*			g	
NB-94	***-1.22E-03***	U	1.86E-02	1.86E-02	3.37E-02	pCi/g		*-0.04*	4/16/05 08:20 a		289.0	GER10$1
							3.00E-01	*-0.13*			g	
PB-212	***4.19E-01***		9.04E-02	9.04E-02	6.71E-02	pCi/g		*(6.3)*	4/16/05 08:20 a		289.0	GER10$1
								(9.3)			g	
PB-214	***6.76E-01***		1.46E-01	1.46E-01	7.75E-02	pCi/g		*(8.7)*	4/16/05 08:20 a		289.0	GER10$1
								(9.3)			g	
RA-226	***5.92E-01***		1.28E-01	1.28E-01	7.26E-02	pCi/g		*(8.2)*	4/16/05 08:20 a		289.0	GER10$1
								(9.2)			g	
TL-208	***1.36E-01***	U	4.96E-02	4.96E-02	6.93E-02	pCi/g		*(2.)*	4/16/05 08:20 a		289.0	GER10$1
								(5.5)			g	

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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-21	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-03	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
J Qual - No U|< qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	**J5D150180-22**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-197-C-1C-04**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FR21AD		**Report DB ID:**	9G8FR210				
STRONTIUM	***5.08E-02***		9.49E-03	1.62E-02	1.45E-02	pCi/g	93%	*(3.5)*	4/20/05 01:52 p		25.07	GPC27D
						6.98E-03	1.00E-02	*(6.3)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FR21AC		**Report DB ID:**	9G8FR210				
H-3	***4.42E+00***		8.10E-02	2.05E-01	2.75E-02	pCi/g	100%	*(161.1)*	4/20/05 02:18 a		100.6	LSC8
						1.27E-02	3.00E+00	*(43.2)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FR21AA		**Report DB ID:**	9G8FR210				
AC-228	***4.16E-01***		1.07E-01	1.07E-01	9.10E-02	pCi/g		*(4.6)*	4/16/05 02:11 p		49.3	GER12$1
								(7.8)			g	
AG-108M	***-2.43E-03***	U	1.06E-02	1.06E-02	1.77E-02	pCi/g		*-0.14*	4/16/05 02:11 p		49.3	GER12$1
								-0.46			g	
AM-241	***2.95E-03***	U	2.93E-02	2.93E-02	4.99E-02	pCi/g		*0.06*	4/16/05 02:11 p		49.3	GER12$1
								0.2			g	
BI-212	***6.87E-01***	U	2.32E-01	2.32E-01	4.04E-01	pCi/g		*(1.7)*	4/16/05 02:11 p		49.3	GER12$1
								(5.9)			g	
BI-214	***3.62E-01***		8.94E-02	8.94E-02	4.42E-02	pCi/g		*(8.2)*	4/16/05 02:11 p		49.3	GER12$1
								(8.1)			g	
CO-60	***2.48E-02***	U	1.85E-02	1.85E-02	3.36E-02	pCi/g		*0.74*	4/16/05 02:11 p		49.3	GER12$1
							3.00E+00	*(2.7)*			g	
CS-134	***2.90E-02***	U	1.66E-02	1.66E-02	2.94E-02	pCi/g		*0.98*	4/16/05 02:11 p		49.3	GER12$1
							1.00E+01	*(3.5)*			g	

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-22	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-04	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-2.69E-03***	U	1.46E-02	1.46E-02	2.44E-02	pCi/g		*-0.11*	4/16/05 02:11 p		49.3	GER12$1
							2.00E+01	*-0.37*			g	
EU-152	***-1.09E-03***	U	3.27E-02	3.27E-02	5.62E-02	pCi/g		*-0.02*	4/16/05 02:11 p		49.3	GER12$1
							9.00E+00	*-0.07*			g	
EU-154	***9.17E-03***	U	4.82E-02	4.82E-02	8.43E-02	pCi/g		*0.11*	4/16/05 02:11 p		49.3	GER12$1
							7.00E+00	*0.38*			g	
EU-155	***4.09E-02***	U	2.62E-02	2.62E-02	4.63E-02	pCi/g		*0.88*	4/16/05 02:11 p		49.3	GER12$1
							3.00E+02	*(3.1)*			g	
K-40	***7.28E+00***		1.18E+00	1.18E+00	3.02E-01	pCi/g		*(24.1)*	4/16/05 02:11 p		49.3	GER12$1
								(12.3)			g	
MN-54	***-6.29E-03***	U	1.42E-02	1.42E-02	2.36E-02	pCi/g		*-0.27*	4/16/05 02:11 p		49.3	GER12$1
							2.00E+00	*-0.89*			g	
NB-94	***-6.07E-03***	U	1.41E-02	1.41E-02	2.34E-02	pCi/g		*-0.26*	4/16/05 02:11 p		49.3	GER12$1
							3.00E-01	*-0.86*			g	
PB-212	***4.04E-01***		7.37E-02	7.37E-02	2.95E-02	pCi/g		*(13.7)*	4/16/05 02:11 p		49.3	GER12$1
								(11.)			g	
PB-214	***3.36E-01***		8.77E-02	8.77E-02	3.98E-02	pCi/g		*(8.4)*	4/16/05 02:11 p		49.3	GER12$1
								(7.7)			g	
RA-226	***3.62E-01***		8.94E-02	8.94E-02	4.42E-02	pCi/g		*(8.2)*	4/16/05 02:11 p		49.3	GER12$1
								(8.1)			g	
TL-208	***1.35E-01***		3.31E-02	3.31E-02	2.20E-02	pCi/g		*(6.1)*	4/16/05 02:11 p		49.3	GER12$1
								(8.2)			g	

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-22	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-04	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-23	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-05	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FR31AD		**Report DB ID:**	9G8FR310				
STRONTIUM	***7.79E-02***		1.06E-02	2.29E-02	1.45E-02	pCi/g	97%	*(5.4)*	4/20/05 01:52 p		25.02	GPC28A
						7.01E-03	1.00E-02	*(6.8)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FR31AC		**Report DB ID:**	9G8FR310				
H-3	***3.71E+00***		6.79E-02	1.72E-01	2.30E-02	pCi/g	100%	*(161.6)*	4/20/05 02:59 a		100.6	LSC8
						1.07E-02	3.00E+00	*(43.2)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FR31AA		**Report DB ID:**	9G8FR310				
AC-228	***2.75E-01***	U	1.61E-01	1.61E-01	2.26E-01	pCi/g		*(1.2)*	4/16/05 08:21 a		309.6	GER11$1
								(3.4)			g	
AG-108M	***-2.76E-03***	U	1.50E-02	1.50E-02	2.58E-02	pCi/g		*-0.11*	4/16/05 08:21 a		309.6	GER11$1
								-0.37			g	
AM-241	***-5.25E-02***	U	1.11E-01	1.11E-01	1.85E-01	pCi/g		*-0.28*	4/16/05 08:21 a		309.6	GER11$1
								-0.95			g	
BI-212	***3.21E-01***	U	4.84E-01	4.84E-01	5.45E-01	pCi/g		*0.59*	4/16/05 08:21 a		309.6	GER11$1
								(1.3)			g	
BI-214	***3.87E-01***	U	9.62E-02	9.62E-02	1.40E-01	pCi/g		*(2.8)*	4/16/05 08:21 a		309.6	GER11$1
								(8.)			g	
CO-60	***7.84E-03***	U	2.12E-02	2.12E-02	4.07E-02	pCi/g		*0.19*	4/16/05 08:21 a		309.6	GER11$1
							3.00E+00	*0.74*			g	
CS-134	***2.46E-02***	U	1.98E-02	1.98E-02	3.97E-02	pCi/g		*0.62*	4/16/05 08:21 a		309.6	GER11$1
							1.00E+01	*(2.5)*			g	

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-23	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-05	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***1.19E-02***	U	2.91E-02	2.91E-02	3.15E-02	pCi/g		*0.38*	4/16/05 08:21 a		309.6	GER11$1
							2.00E+01	*0.82*			g	
EU-152	***7.51E-03***	U	4.16E-02	4.16E-02	7.60E-02	pCi/g		*0.1*	4/16/05 08:21 a		309.6	GER11$1
							9.00E+00	*0.36*			g	
EU-154	***-4.32E-03***	U	5.15E-02	5.15E-02	9.47E-02	pCi/g		*-0.05*	4/16/05 08:21 a		309.6	GER11$1
							7.00E+00	*-0.17*			g	
EU-155	***-1.25E-02***	U	5.30E-02	5.30E-02	9.27E-02	pCi/g		*-0.13*	4/16/05 08:21 a		309.6	GER11$1
							3.00E+02	*-0.47*			g	
K-40	***7.80E+00***		1.60E+00	1.60E+00	3.39E-01	pCi/g		*(23.)*	4/16/05 08:21 a		309.6	GER11$1
								(9.7)			g	
MN-54	***1.05E-02***	U	1.85E-02	1.85E-02	3.49E-02	pCi/g		*0.3*	4/16/05 08:21 a		309.6	GER11$1
							2.00E+00	*(1.1)*			g	
NB-94	***-6.16E-03***	U	1.75E-02	1.75E-02	2.99E-02	pCi/g		*-0.21*	4/16/05 08:21 a		309.6	GER11$1
							3.00E-01	*-0.7*			g	
PB-212	***4.23E-01***		8.18E-02	8.18E-02	4.70E-02	pCi/g		*(9.)*	4/16/05 08:21 a		309.6	GER11$1
								(10.3)			g	
PB-214	***4.37E-01***		9.65E-02	9.65E-02	5.70E-02	pCi/g		*(7.7)*	4/16/05 08:21 a		309.6	GER11$1
								(9.1)			g	
RA-226	***3.87E-01***	U	9.62E-02	9.62E-02	1.40E-01	pCi/g		*(2.8)*	4/16/05 08:21 a		309.6	GER11$1
								(8.)			g	
TL-208	***1.65E-01***		4.44E-02	4.44E-02	3.04E-02	pCi/g		*(5.4)*	4/16/05 08:21 a		309.6	GER11$1
								(7.5)			g	

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-23	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-05	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	**J5D150180-24**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-197-C-1C-06**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FR51AD		**Report DB ID:**	9G8FR510				
STRONTIUM	***8.96E-02***		1.07E-02	2.58E-02	1.36E-02	pCi/g	97%	*(6.6)*	4/20/05 01:52 p		25.1	GPC28B
						6.54E-03	1.00E-02	*(6.9)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FR51AC		**Report DB ID:**	9G8FR510				
H-3	***5.24E+00***		8.10E-02	2.37E-01	2.33E-02	pCi/g	100%	*(225.1)*	4/20/05 04:22 a		100.4	LSC8
						1.08E-02	3.00E+00	*(44.2)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FR51AA		**Report DB ID:**	9G8FR510				
AC-228	***3.60E-01***	U	1.53E-01	1.53E-01	3.01E-01	pCi/g		*(1.2)*	4/16/05 10:11 a		295.3	GER1$1
								(4.7)			g	
AG-108M	***-1.19E-02***	U	2.62E-02	2.62E-02	4.37E-02	pCi/g		*-0.27*	4/16/05 10:11 a		295.3	GER1$1
								-0.91			g	
AM-241	***-1.38E-01***	U	1.32E-01	1.32E-01	2.15E-01	pCi/g		*-0.64*	4/16/05 10:11 a		295.3	GER1$1
								-(2.1)			g	
BI-212	***5.74E-01***	U	4.89E-01	4.89E-01	9.25E-01	pCi/g		*0.62*	4/16/05 10:11 a		295.3	GER1$1
								(2.3)			g	
BI-214	***4.73E-01***	U	1.20E-01	1.20E-01	1.92E-01	pCi/g		*(2.5)*	4/16/05 10:11 a		295.3	GER1$1
								(7.9)			g	
CO-60	***1.23E-02***	U	3.17E-02	3.17E-02	6.15E-02	pCi/g		*0.2*	4/16/05 10:11 a		295.3	GER1$1
							3.00E+00	*0.77*			g	
CS-134	***-7.18E-03***	U	3.64E-02	3.64E-02	6.38E-02	pCi/g		*-0.11*	4/16/05 10:11 a		295.3	GER1$1
							1.00E+01	*-0.39*			g	

STL Richland
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V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-24	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-06	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***1.88E-02***	U	2.85E-02	2.85E-02	5.38E-02	pCi/g	2.00E+01	*0.35* *(1.3)*	4/16/05 10:11 a		295.3 g	GER1$1
EU-152	***-1.77E-01***	U	1.20E-01	1.20E-01	1.48E-01	pCi/g	9.00E+00	*-(1.2)* *-(3.)*	4/16/05 10:11 a		295.3 g	GER1$1
EU-154	***7.48E-02***	U	1.03E-01	1.03E-01	2.01E-01	pCi/g	7.00E+00	*0.37* *(1.5)*	4/16/05 10:11 a		295.3 g	GER1$1
EU-155	***-6.45E-02***	U	9.14E-02	9.14E-02	1.49E-01	pCi/g	3.00E+02	*-0.43* *-(1.4)*	4/16/05 10:11 a		295.3 g	GER1$1
K-40	***7.66E+00***		1.39E+00	1.39E+00	4.43E-01	pCi/g		*(17.3)* *(11.)*	4/16/05 10:11 a		295.3 g	GER1$1
MN-54	***1.89E-02***	U	2.81E-02	2.81E-02	5.38E-02	pCi/g	2.00E+00	*0.35* *(1.3)*	4/16/05 10:11 a		295.3 g	GER1$1
NB-94	***-3.25E-02***	U	3.08E-02	3.08E-02	4.88E-02	pCi/g	3.00E-01	*-0.67* *-(2.1)*	4/16/05 10:11 a		295.3 g	GER1$1
PB-212	***4.14E-01***		1.04E-01	1.04E-01	9.20E-02	pCi/g		*(4.5)* *(8.)*	4/16/05 10:11 a		295.3 g	GER1$1
PB-214	***4.93E-01***		1.40E-01	1.40E-01	1.03E-01	pCi/g		*(4.8)* *(7.)*	4/16/05 10:11 a		295.3 g	GER1$1
RA-226	***4.73E-01***	U	1.20E-01	1.20E-01	1.92E-01	pCi/g		*(2.5)* *(7.9)*	4/16/05 10:11 a		295.3 g	GER1$1
TL-208	***1.52E-01***	U	4.83E-02	4.83E-02	8.28E-02	pCi/g		*(1.8)* *(6.3)*	4/16/05 10:11 a		295.3 g	GER1$1

STL Richland
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V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	J5D150180-24	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-197-C-1C-06	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
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V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 3:15:00 PM
Lot-Sample No.:	J5D150180-25	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-198-C-1C-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FR71AD		**Report DB ID:**	9G8FR710				
STRONTIUM	***2.43E-01***		1.75E-02	6.59E-02	1.74E-02	pCi/g	76%	*(14.)*	4/20/05 01:52 p		25.04	GPC28C
						8.39E-03	1.00E-02	*(7.4)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FR71AC		**Report DB ID:**	9G8FR710				
H-3	***4.17E+00***		7.16E-02	1.91E-01	2.28E-02	pCi/g	100%	*(183.3)*	4/20/05 05:04 a		100.3	LSC8
						1.06E-02	3.00E+00	*(43.6)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FR71AA		**Report DB ID:**	9G8FR710				
AC-228	***4.31E-01***		1.88E-01	1.88E-01	1.45E-01	pCi/g		*(3.)*	4/16/05 10:11 a		335.8	GER7$1
								(4.6)			g	
AG-108M	***-1.46E-02***	U	1.86E-02	1.86E-02	3.05E-02	pCi/g		*-0.48*	4/16/05 10:11 a		335.8	GER7$1
								-(1.6)			g	
AM-241	***-9.59E-03***	U	7.45E-02	7.45E-02	1.29E-01	pCi/g		*-0.07*	4/16/05 10:11 a		335.8	GER7$1
								-0.26			g	
BI-212	***3.43E-01***	U	3.83E-01	3.83E-01	7.35E-01	pCi/g		*0.47*	4/16/05 10:11 a		335.8	GER7$1
								(1.8)			g	
BI-214	***4.73E-01***	U	1.03E-01	1.03E-01	1.78E-01	pCi/g		*(2.7)*	4/16/05 10:11 a		335.8	GER7$1
								(9.1)			g	
CO-60	***1.57E-02***	U	2.56E-02	2.56E-02	5.29E-02	pCi/g		*0.3*	4/16/05 10:11 a		335.8	GER7$1
							3.00E+00	*(1.2)*			g	
CS-134	***-6.17E-03***	U	2.83E-02	2.83E-02	5.04E-02	pCi/g		*-0.12*	4/16/05 10:11 a		335.8	GER7$1
							1.00E+01	*-0.44*			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 3:15:00 PM
Lot-Sample No.:	J5D150180-25	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-198-C-1C-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-1.37E-02***	U	2.45E-02	2.45E-02	4.11E-02	pCi/g		*-0.33*	4/16/05 10:11 a		335.8	GER7$1
							2.00E+01	*-(1.1)*			g	
EU-152	***-5.39E-02***	U	6.50E-02	6.50E-02	1.04E-01	pCi/g		*-0.52*	4/16/05 10:11 a		335.8	GER7$1
							9.00E+00	*-(1.7)*			g	
EU-154	***-8.02E-02***	U	8.42E-02	8.42E-02	1.35E-01	pCi/g		*-0.59*	4/16/05 10:11 a		335.8	GER7$1
							7.00E+00	*-(1.9)*			g	
EU-155	***4.44E-02***	U	6.17E-02	6.17E-02	1.10E-01	pCi/g		*0.41*	4/16/05 10:11 a		335.8	GER7$1
							3.00E+02	*(1.4)*			g	
K-40	***7.56E+00***		1.33E+00	1.33E+00	3.63E-01	pCi/g		*(20.8)*	4/16/05 10:11 a		335.8	GER7$1
								(11.3)			g	
MN-54	***-1.67E-02***	U	2.25E-02	2.25E-02	3.71E-02	pCi/g		*-0.45*	4/16/05 10:11 a		335.8	GER7$1
							2.00E+00	*-(1.5)*			g	
NB-94	***-9.84E-03***	U	2.22E-02	2.22E-02	3.83E-02	pCi/g		*-0.26*	4/16/05 10:11 a		335.8	GER7$1
							3.00E-01	*-0.88*			g	
PB-212	***4.35E-01***		8.72E-02	8.72E-02	7.55E-02	pCi/g		*(5.8)*	4/16/05 10:11 a		335.8	GER7$1
								(10.)			g	
PB-214	***4.44E-01***		1.19E-01	1.19E-01	9.35E-02	pCi/g		*(4.8)*	4/16/05 10:11 a		335.8	GER7$1
								(7.4)			g	
RA-226	***4.73E-01***	U	1.03E-01	1.03E-01	1.78E-01	pCi/g		*(2.7)*	4/16/05 10:11 a		335.8	GER7$1
								(9.1)			g	
TL-208	***1.44E-01***	U	5.83E-02	5.83E-02	7.76E-02	pCi/g		*(1.9)*	4/16/05 10:11 a		335.8	GER7$1
								(4.9)			g	

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 3:15:00 PM
Lot-Sample No.:	J5D150180-25	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-198-C-1C-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 3:15:00 PM
Lot-Sample No.:	J5D150180-26	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-198-C-1C-02	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FR81AD		**Report DB ID:**	9G8FR810				
STRONTIUM	***1.50E-01***		1.37E-02	4.14E-02	1.54E-02	pCi/g	86%	*(9.8)*	4/20/05 01:52 p		25.09	GPC28D
						7.40E-03	1.00E-02	*(7.3)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FR81AC		**Report DB ID:**	9G8FR810				
H-3	***7.78E+00***		1.01E-01	3.46E-01	2.46E-02	pCi/g	100%	*(316.4)*	4/20/05 05:45 a		100.3	LSC8
						1.14E-02	3.00E+00	*(45.)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FR81AA		**Report DB ID:**	9G8FR810				
AC-228	***4.72E-01***		1.40E-01	1.40E-01	1.42E-01	pCi/g		*(3.3)*	4/16/05 10:13 a		322.1	GER8$1
								(6.7)			g	
AG-108M	***-2.63E-02***	U	1.80E-02	1.80E-02	2.64E-02	pCi/g		*-0.99*	4/16/05 10:13 a		322.1	GER8$1
								-(2.9)			g	
AM-241	***2.59E-02***	U	4.78E-02	4.78E-02	7.11E-02	pCi/g		*0.36*	4/16/05 10:13 a		322.1	GER8$1
								(1.1)			g	
BI-212	***5.53E-01***	U	3.22E-01	3.22E-01	6.72E-01	pCi/g		*0.82*	4/16/05 10:13 a		322.1	GER8$1
								(3.4)			g	
BI-214	***3.38E-01***		1.10E-01	1.10E-01	7.80E-02	pCi/g		*(4.3)*	4/16/05 10:13 a		322.1	GER8$1
								(6.2)			g	
CO-60	***-1.08E-03***	U	2.28E-02	2.28E-02	4.29E-02	pCi/g		*-0.03*	4/16/05 10:13 a		322.1	GER8$1
							3.00E+00	*-0.09*			g	
CS-134	***1.33E-02***	U	2.16E-02	2.16E-02	4.30E-02	pCi/g		*0.31*	4/16/05 10:13 a		322.1	GER8$1
							1.00E+01	*(1.2)*			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 3:15:00 PM
Lot-Sample No.:	J5D150180-26	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-198-C-1C-02	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-3.14E-03***	U	2.12E-02	2.12E-02	3.81E-02	pCi/g		*-0.08*	4/16/05 10:13 a		322.1	GER8$1
							2.00E+01	*-0.3*			g	
EU-152	***3.11E-02***	U	6.19E-02	6.19E-02	1.13E-01	pCi/g		*0.27*	4/16/05 10:13 a		322.1	GER8$1
							9.00E+00	*(1.)*			g	
EU-154	***4.75E-02***	U	5.93E-02	5.93E-02	1.28E-01	pCi/g		*0.37*	4/16/05 10:13 a		322.1	GER8$1
							7.00E+00	*(1.6)*			g	
EU-155	***8.87E-03***	U	5.76E-02	5.76E-02	1.01E-01	pCi/g		*0.09*	4/16/05 10:13 a		322.1	GER8$1
							3.00E+02	*0.31*			g	
K-40	***6.23E+00***		1.16E+00	1.16E+00	5.98E-01	pCi/g		*(10.4)*	4/16/05 10:13 a		322.1	GER8$1
								(10.8)			g	
MN-54	***-1.33E-02***	U	2.42E-02	2.42E-02	4.06E-02	pCi/g		*-0.33*	4/16/05 10:13 a		322.1	GER8$1
							2.00E+00	*-(1.1)*			g	
NB-94	***-3.08E-03***	U	2.24E-02	2.24E-02	3.99E-02	pCi/g		*-0.08*	4/16/05 10:13 a		322.1	GER8$1
							3.00E-01	*-0.28*			g	
PB-212	***4.09E-01***		8.96E-02	8.96E-02	7.69E-02	pCi/g		*(5.3)*	4/16/05 10:13 a		322.1	GER8$1
								(9.1)			g	
PB-214	***4.52E-01***		1.09E-01	1.09E-01	7.43E-02	pCi/g		*(6.1)*	4/16/05 10:13 a		322.1	GER8$1
								(8.3)			g	
RA-226	***3.38E-01***		1.10E-01	1.10E-01	7.80E-02	pCi/g		*(4.3)*	4/16/05 10:13 a		322.1	GER8$1
								(6.2)			g	
TL-208	***1.28E-01***	U	4.57E-02	4.57E-02	7.13E-02	pCi/g		*(1.8)*	4/16/05 10:13 a		322.1	GER8$1
								(5.6)			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/6/2005 3:15:00 PM
Lot-Sample No.:	**J5D150180-26**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-198-C-1C-02**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland | **SDG:** 28704 | **Collection Date:** 4/6/2005 3:15:00 PM

Lot-Sample No.: J5D150180-27 | **Report No. :** 28635 | **Received Date:** 4/15/2005 9:00:00 AM

Client Sample ID: 3107-0000-198-C-1C-03 | **COC No. :** | **Matrix:** SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FR91AD		**Report DB ID:**	9G8FR910				
STRONTIUM	***6.66E-02***		1.07E-02	2.06E-02	1.56E-02	pCi/g	89%	*(4.3)*	4/20/05 01:53 p		25.1	GPC31A
						7.50E-03	1.00E-02	*(6.5)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FR91AC		**Report DB ID:**	9G8FR910				
H-3	***8.31E+00***		9.84E-02	3.66E-01	2.17E-02	pCi/g	100%	*(382.3)*	4/20/05 06:27 a		100.6	LSC8
						1.01E-02	3.00E+00	*(45.4)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FR91AA		**Report DB ID:**	9G8FR910				
AC-228	***3.78E-01***		1.83E-01	1.83E-01	1.37E-01	pCi/g		*(2.8)*	4/16/05 10:14 a		306.7	GER10$1
								(4.1)			g	
AG-108M	***7.73E-04***	U	1.82E-02	1.82E-02	3.19E-02	pCi/g		*0.02*	4/16/05 10:14 a		306.7	GER10$1
								0.08			g	
AM-241	***-8.94E-03***	U	7.35E-02	7.35E-02	1.27E-01	pCi/g		*-0.07*	4/16/05 10:14 a		306.7	GER10$1
								-0.24			g	
BI-212	***6.64E-01***	U	3.33E-01	3.33E-01	6.60E-01	pCi/g		*(1.)*	4/16/05 10:14 a		306.7	GER10$1
								(4.)			g	
BI-214	***3.85E-01***	U	1.00E-01	1.00E-01	1.53E-01	pCi/g		*(2.5)*	4/16/05 10:14 a		306.7	GER10$1
								(7.7)			g	
CO-60	***-1.50E-03***	U	2.08E-02	2.08E-02	3.79E-02	pCi/g		*-0.04*	4/16/05 10:14 a		306.7	GER10$1
							3.00E+00	*-0.14*			g	
CS-134	***3.27E-02***	U	2.42E-02	2.42E-02	4.80E-02	pCi/g		*0.68*	4/16/05 10:14 a		306.7	GER10$1
							1.00E+01	*(2.7)*			g	

STL Richland
rptSTLRchSample
V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland
SDG: 28704
Collection Date: 4/6/2005 3:15:00 PM
Lot-Sample No.: J5D150180-27
Report No. : 28635
Received Date: 4/15/2005 9:00:00 AM
Client Sample ID: 3107-0000-198-C-1C-03
COC No. :
Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***1.08E-03***	U	1.95E-02	1.95E-02	3.50E-02	pCi/g		*0.03*	4/16/05 10:14 a		306.7	GER10$1
							2.00E+01	*0.11*			g	
EU-152	***-2.97E-02***	U	5.22E-02	5.22E-02	8.79E-02	pCi/g		*-0.34*	4/16/05 10:14 a		306.7	GER10$1
							9.00E+00	*-(1.1)*			g	
EU-154	***2.59E-02***	U	6.30E-02	6.30E-02	1.21E-01	pCi/g		*0.21*	4/16/05 10:14 a		306.7	GER10$1
							7.00E+00	*0.82*			g	
EU-155	***1.74E-02***	U	6.41E-02	6.41E-02	1.11E-01	pCi/g		*0.16*	4/16/05 10:14 a		306.7	GER10$1
							3.00E+02	*0.54*			g	
K-40	***7.18E+00***		1.18E+00	1.18E+00	3.13E-01	pCi/g		*(23.)*	4/16/05 10:14 a		306.7	GER10$1
								(12.2)			g	
MN-54	***-2.00E-03***	U	1.88E-02	1.88E-02	3.36E-02	pCi/g		*-0.06*	4/16/05 10:14 a		306.7	GER10$1
							2.00E+00	*-0.21*			g	
NB-94	***-9.15E-03***	U	1.75E-02	1.75E-02	2.97E-02	pCi/g		*-0.31*	4/16/05 10:14 a		306.7	GER10$1
							3.00E-01	*-(1.)*			g	
PB-212	***3.85E-01***		8.68E-02	8.68E-02	6.05E-02	pCi/g		*(6.4)*	4/16/05 10:14 a		306.7	GER10$1
								(8.9)			g	
PB-214	***5.15E-01***		1.03E-01	1.03E-01	6.88E-02	pCi/g		*(7.5)*	4/16/05 10:14 a		306.7	GER10$1
								(10.)			g	
RA-226	***3.85E-01***		1.00E-01	1.00E-01	7.25E-02	pCi/g		*(5.3)*	4/16/05 10:14 a		306.7	GER10$1
								(7.7)			g	
TL-208	***1.25E-01***		5.17E-02	5.17E-02	3.21E-02	pCi/g		*(3.9)*	4/16/05 10:14 a		306.7	GER10$1
								(4.8)			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	SDG:	28704	Collection Date:	4/6/2005 3:15:00 PM
Lot-Sample No.:	J5D150180-27	Report No. :	28635	Received Date:	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-198-C-1C-03	COC No. :		Matrix:	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland | **SDG:** 28704 | **Collection Date:** 4/6/2005 3:15:00 PM

Lot-Sample No.: J5D150180-28 | **Report No. :** 28635 | **Received Date:** 4/15/2005 9:00:00 AM

Client Sample ID: 3107-0000-198-C-1C-04 | **COC No. :** | **Matrix:** SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FTC1AD		**Report DB ID:**	9G8FTC10				
STRONTIUM	***1.39E-01***		1.35E-02	3.90E-02	1.56E-02	pCi/g	84%	*(8.9)*	4/20/05 01:53 p		25.08	GPC31B
						7.53E-03	1.00E-02	*(7.1)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FTC1AC		**Report DB ID:**	9G8FTC10				
H-3	***6.25E+00***		8.85E-02	2.80E-01	2.34E-02	pCi/g	100%	*(267.3)*	4/20/05 07:08 a		100.5	LSC8
						1.08E-02	3.00E+00	*(44.7)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FTC1AA		**Report DB ID:**	9G8FTC10				
AC-228	***4.21E-01***	U	1.14E-01	1.14E-01	1.96E-01	pCi/g		*(2.1)*	4/16/05 10:14 a		321.4	GER11$1
								(7.4)			g	
AG-108M	***3.92E-03***	U	1.58E-02	1.58E-02	2.81E-02	pCi/g		*0.14*	4/16/05 10:14 a		321.4	GER11$1
								0.5			g	
AM-241	***3.44E-02***	U	1.04E-01	1.04E-01	1.85E-01	pCi/g		*0.19*	4/16/05 10:14 a		321.4	GER11$1
								0.66			g	
BI-212	***3.94E-01***	U	2.76E-01	2.76E-01	5.43E-01	pCi/g		*0.73*	4/16/05 10:14 a		321.4	GER11$1
								(2.9)			g	
BI-214	***4.05E-01***	U	1.10E-01	1.10E-01	1.43E-01	pCi/g		*(2.8)*	4/16/05 10:14 a		321.4	GER11$1
								(7.3)			g	
CO-60	***-1.37E-02***	U	2.14E-02	2.14E-02	3.54E-02	pCi/g		*-0.39*	4/16/05 10:14 a		321.4	GER11$1
							3.00E+00	*-(1.3)*			g	
CS-134	***1.36E-02***	U	1.83E-02	1.83E-02	3.55E-02	pCi/g		*0.38*	4/16/05 10:14 a		321.4	GER11$1
							1.00E+01	*(1.5)*			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland | **SDG:** 28704 | **Collection Date:** 4/6/2005 3:15:00 PM

Lot-Sample No.: J5D150180-28 | **Report No. :** 28635 | **Received Date:** 4/15/2005 9:00:00 AM

Client Sample ID: 3107-0000-198-C-1C-04 | **COC No. :** | **Matrix:** SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-2.58E-02***	U	2.43E-02	2.43E-02	4.38E-02	pCi/g		*-0.59*	4/16/05 10:14 a		321.4	GER11$1
							2.00E+01	*-(2.1)*			g	
EU-152	***1.40E-02***	U	4.37E-02	4.37E-02	8.00E-02	pCi/g		*0.18*	4/16/05 10:14 a		321.4	GER11$1
							9.00E+00	*0.64*			g	
EU-154	***-7.58E-03***	U	4.90E-02	4.90E-02	8.94E-02	pCi/g		*-0.08*	4/16/05 10:14 a		321.4	GER11$1
							7.00E+00	*-0.31*			g	
EU-155	***3.36E-02***	U	5.38E-02	5.38E-02	9.86E-02	pCi/g		*0.34*	4/16/05 10:14 a		321.4	GER11$1
							3.00E+02	*(1.2)*			g	
K-40	***7.03E+00***		1.46E+00	1.46E+00	2.82E-01	pCi/g		*(24.9)*	4/16/05 10:14 a		321.4	GER11$1
								(9.6)			g	
MN-54	***1.53E-02***	U	1.73E-02	1.73E-02	3.36E-02	pCi/g		*0.46*	4/16/05 10:14 a		321.4	GER11$1
							2.00E+00	*(1.8)*			g	
NB-94	***-1.18E-02***	U	1.68E-02	1.68E-02	2.72E-02	pCi/g		*-0.43*	4/16/05 10:14 a		321.4	GER11$1
							3.00E-01	*-(1.4)*			g	
PB-212	***3.96E-01***		8.07E-02	8.07E-02	4.71E-02	pCi/g		*(8.4)*	4/16/05 10:14 a		321.4	GER11$1
								(9.8)			g	
PB-214	***5.53E-01***		1.12E-01	1.12E-01	5.66E-02	pCi/g		*(9.8)*	4/16/05 10:14 a		321.4	GER11$1
								(9.9)			g	
RA-226	***4.05E-01***		1.10E-01	1.10E-01	5.09E-02	pCi/g		*(8.)*	4/16/05 10:14 a		321.4	GER11$1
								(7.3)			g	
TL-208	***1.46E-01***	U	4.08E-02	4.08E-02	5.92E-02	pCi/g		*(2.5)*	4/16/05 10:14 a		321.4	GER11$1
								(7.2)			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 3:15:00 PM
Lot-Sample No.:	J5D150180-28	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-198-C-1C-04	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
rptSTLRchSample
V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 3:15:00 PM
Lot-Sample No.:	J5D150180-29	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-198-C-1C-05	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FTD1AD		**Report DB ID:**	9G8FTD10				
STRONTIUM	***1.76E-01***		1.49E-02	4.89E-02	1.62E-02	pCi/g	81%	*(10.9)*	4/20/05 01:53 p		25.11	GPC31C
						7.79E-03	1.00E-02	*(7.2)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FTD1AC		**Report DB ID:**	9G8FTD10				
H-3	***8.21E+00***		1.01E-01	3.63E-01	2.31E-02	pCi/g	100%	*(354.7)*	4/20/05 07:50 a		100.3	LSC8
						1.07E-02	3.00E+00	*(45.3)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FTD1AA		**Report DB ID:**	9G8FTD10				
AC-228	***3.30E-01***	U	1.53E-01	1.53E-01	2.95E-01	pCi/g		*(1.1)*	4/16/05 12:08 p		315.7	GER1$1
								(4.3)			g	
AG-108M	***-3.70E-03***	U	2.36E-02	2.36E-02	4.06E-02	pCi/g		*-0.09*	4/16/05 12:08 p		315.7	GER1$1
								-0.31			g	
AM-241	***-1.43E-01***	U	1.21E-01	1.21E-01	1.94E-01	pCi/g		*-0.74*	4/16/05 12:08 p		315.7	GER1$1
								-(2.4)			g	
BI-212	***1.41E-01***	U	4.21E-01	4.21E-01	7.63E-01	pCi/g		*0.18*	4/16/05 12:08 p		315.7	GER1$1
								0.67			g	
BI-214	***3.62E-01***	U	1.16E-01	1.16E-01	1.86E-01	pCi/g		*(1.9)*	4/16/05 12:08 p		315.7	GER1$1
								(6.3)			g	
CO-60	***-6.79E-03***	U	3.08E-02	3.08E-02	5.51E-02	pCi/g		*-0.12*	4/16/05 12:08 p		315.7	GER1$1
							3.00E+00	*-0.44*			g	
CS-134	***1.13E-02***	U	3.46E-02	3.46E-02	6.33E-02	pCi/g		*0.18*	4/16/05 12:08 p		315.7	GER1$1
							1.00E+01	*0.66*			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/6/2005 3:15:00 PM
Lot-Sample No.:	**J5D150180-29**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-198-C-1C-05**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***3.90E-04***	U	2.86E-02	2.86E-02	5.09E-02	pCi/g		*0.01*	4/16/05 12:08 p		315.7	GER1$1
							2.00E+01	*0.03*			g	
EU-152	***-8.05E-02***	U	1.01E-01	1.01E-01	1.40E-01	pCi/g		*-0.58*	4/16/05 12:08 p		315.7	GER1$1
							9.00E+00	*-(1.6)*			g	
EU-154	***6.01E-02***	U	9.76E-02	9.76E-02	1.89E-01	pCi/g		*0.32*	4/16/05 12:08 p		315.7	GER1$1
							7.00E+00	*(1.2)*			g	
EU-155	***-3.84E-03***	U	8.97E-02	8.97E-02	1.51E-01	pCi/g		*-0.03*	4/16/05 12:08 p		315.7	GER1$1
							3.00E+02	*-0.09*			g	
K-40	***6.24E+00***		1.22E+00	1.22E+00	4.43E-01	pCi/g		*(14.1)*	4/16/05 12:08 p		315.7	GER1$1
								(10.2)			g	
MN-54	***3.61E-03***	U	3.00E-02	3.00E-02	5.42E-02	pCi/g		*0.07*	4/16/05 12:08 p		315.7	GER1$1
							2.00E+00	*0.24*			g	
NB-94	***9.46E-03***	U	2.82E-02	2.82E-02	5.20E-02	pCi/g		*0.18*	4/16/05 12:08 p		315.7	GER1$1
							3.00E-01	*0.67*			g	
PB-212	***3.12E-01***		1.17E-01	1.17E-01	1.00E-01	pCi/g		*(3.1)*	4/16/05 12:08 p		315.7	GER1$1
								(5.3)			g	
PB-214	***6.24E-01***		1.48E-01	1.48E-01	9.26E-02	pCi/g		*(6.7)*	4/16/05 12:08 p		315.7	GER1$1
								(8.5)			g	
RA-226	***3.62E-01***	U	1.16E-01	1.16E-01	1.86E-01	pCi/g		*(1.9)*	4/16/05 12:08 p		315.7	GER1$1
								(6.3)			g	
TL-208	***2.28E-01***		5.42E-02	5.42E-02	4.52E-02	pCi/g		*(5.1)*	4/16/05 12:08 p		315.7	GER1$1
								(8.4)			g	

STL Richland
rptSTLRchSample
V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 3:15:00 PM
Lot-Sample No.:	J5D150180-29	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-198-C-1C-05	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
rptSTLRchSample
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 3:15:00 PM
Lot-Sample No.:	J5D150180-30	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-198-C-1C-06	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8FTE1AD		**Report DB ID:**	9G8FTE10				
STRONTIUM	***1.50E-01***		1.33E-02	4.16E-02	1.49E-02	pCi/g	90%	*(10.)*	4/20/05 01:53 p		25.07	GPC31D
						7.20E-03	1.00E-02	*(7.2)*			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8FTE1AC		**Report DB ID:**	9G8FTE10				
H-3	***6.46E+00***		8.88E-02	2.88E-01	2.27E-02	pCi/g	100%	*(284.)*	4/20/05 08:31 a		100.1	LSC8
						1.05E-02	3.00E+00	*(44.8)*			G	
Batch: 5105292	RICHRC5017			**Work Order:**	G8FTE1AA		**Report DB ID:**	9G8FTE10				
AC-228	***4.13E-01***	U	1.65E-01	1.65E-01	3.00E-01	pCi/g		*(1.4)*	4/16/05 12:09 p		308.3	GER4$1
								(5.)			g	
AG-108M	***1.42E-03***	U	2.09E-02	2.09E-02	3.71E-02	pCi/g		*0.04*	4/16/05 12:09 p		308.3	GER4$1
								0.14			g	
AM-241	***-1.24E-02***	U	1.46E-01	1.46E-01	2.46E-01	pCi/g		*-0.05*	4/16/05 12:09 p		308.3	GER4$1
								-0.17			g	
BI-212	***3.69E-01***	U	3.90E-01	3.90E-01	7.63E-01	pCi/g		*0.48*	4/16/05 12:09 p		308.3	GER4$1
								(1.9)			g	
BI-214	***3.52E-01***	U	1.32E-01	1.32E-01	1.78E-01	pCi/g		*(2.)*	4/16/05 12:09 p		308.3	GER4$1
								(5.3)			g	
CO-60	***-1.03E-02***	U	2.63E-02	2.63E-02	4.67E-02	pCi/g		*-0.22*	4/16/05 12:09 p		308.3	GER4$1
							3.00E+00	*-0.79*			g	
CS-134	***2.60E-02***	U	3.05E-02	3.05E-02	5.98E-02	pCi/g		*0.43*	4/16/05 12:09 p		308.3	GER4$1
							1.00E+01	*(1.7)*			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 3:15:00 PM
Lot-Sample No.:	J5D150180-30	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-198-C-1C-06	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC | MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-9.26E-03***	U	2.54E-02	2.54E-02	4.34E-02	pCi/g		*-0.21*	4/16/05 12:09 p		308.3	GER4$1
							2.00E+01	*-0.73*			g	
EU-152	***1.74E-02***	U	7.65E-02	7.65E-02	1.27E-01	pCi/g		*0.14*	4/16/05 12:09 p		308.3	GER4$1
							9.00E+00	*0.45*			g	
EU-154	***7.31E-02***	U	8.37E-02	8.37E-02	1.74E-01	pCi/g		*0.42*	4/16/05 12:09 p		308.3	GER4$1
							7.00E+00	*(1.7)*			g	
EU-155	***5.04E-02***	U	7.99E-02	7.99E-02	1.44E-01	pCi/g		*0.35*	4/16/05 12:09 p		308.3	GER4$1
							3.00E+02	*(1.3)*			g	
K-40	***6.72E+00***		1.35E+00	1.35E+00	4.65E-01	pCi/g		*(14.5)*	4/16/05 12:09 p		308.3	GER4$1
								(10.)			g	
MN-54	***3.00E-02***	U	2.35E-02	2.35E-02	4.90E-02	pCi/g		*0.61*	4/16/05 12:09 p		308.3	GER4$1
							2.00E+00	*(2.5)*			g	
NB-94	***8.01E-05***	U	2.49E-02	2.49E-02	4.52E-02	pCi/g		*0.*	4/16/05 12:09 p		308.3	GER4$1
							3.00E-01	*0.01*			g	
PB-212	***5.19E-01***		1.12E-01	1.12E-01	9.30E-02	pCi/g		*(5.6)*	4/16/05 12:09 p		308.3	GER4$1
								(9.3)			g	
PB-214	***4.51E-01***		1.15E-01	1.15E-01	7.55E-02	pCi/g		*(6.)*	4/16/05 12:09 p		308.3	GER4$1
								(7.8)			g	
RA-226	***3.52E-01***	U	1.32E-01	1.32E-01	1.78E-01	pCi/g		*(2.)*	4/16/05 12:09 p		308.3	GER4$1
								(5.3)			g	
TL-208	***1.40E-01***		5.00E-02	5.00E-02	3.85E-02	pCi/g		*(3.6)*	4/16/05 12:09 p		308.3	GER4$1
								(5.6)			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/6/2005 3:15:00 PM
Lot-Sample No.:	**J5D150180-30**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-198-C-1C-06**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-31	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:**	G8FTG1AD		**Report DB ID:**	9G8FTG10				
STRONTIUM	***5.71E-01***		2.82E-02	1.58E-01	2.19E-02	pCi/g	56%	*(26.)*	4/20/05 05:31 p		25.0	GPC32A
						1.06E-02	1.00E-02	*(7.2)*			G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8FTG1AC		**Report DB ID:**	9G8FTG10				
H-3	***1.77E+00***	J	9.17E-02	1.19E-01	7.71E-02	pCi/g	100%	*(23.)*	4/20/05 09:30 p		100.3	LSC3
						3.55E-02	3.00E+00	*(29.9)*			G	
Batch: 5105297	RICHRC5017			**Work Order:**	G8FTG1AA		**Report DB ID:**	9G8FTG10				
AC-228	***6.54E-01***		1.68E-01	1.68E-01	1.07E-01	pCi/g		*(6.1)*	4/18/05 11:19 a		45.1	GER8$1
								(7.8)			g	
AG-108M	***1.25E-02***	U	1.43E-02	1.43E-02	2.47E-02	pCi/g		*0.51*	4/18/05 11:19 a		45.1	GER8$1
								(1.8)			g	
AM-241	***1.64E-02***	U	2.38E-02	2.38E-02	3.66E-02	pCi/g		*0.45*	4/18/05 11:19 a		45.1	GER8$1
								(1.4)			g	
BI-212	***5.44E-01***	U	2.82E-01	2.82E-01	5.05E-01	pCi/g		*(1.1)*	4/18/05 11:19 a		45.1	GER8$1
								(3.9)			g	
BI-214	***3.99E-01***		1.02E-01	1.02E-01	5.83E-02	pCi/g		*(6.8)*	4/18/05 11:19 a		45.1	GER8$1
								(7.8)			g	
CO-60	***-3.54E-03***	U	2.10E-02	2.10E-02	3.65E-02	pCi/g		*-0.1*	4/18/05 11:19 a		45.1	GER8$1
							3.00E+00	*-0.34*			g	
CS-134	***2.69E-02***	U	2.06E-02	2.06E-02	3.69E-02	pCi/g		*0.73*	4/18/05 11:19 a		45.1	GER8$1
							1.00E+01	*(2.6)*			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-31	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***2.63E-03***	U	1.84E-02	1.84E-02	3.17E-02	pCi/g		*0.08*	4/18/05 11:19 a		45.1	GER8$1
							2.00E+01	*0.28*			g	
EU-152	***1.98E-02***	U	4.57E-02	4.57E-02	7.81E-02	pCi/g		*0.25*	4/18/05 11:19 a		45.1	GER8$1
							9.00E+00	*0.87*			g	
EU-154	***-1.81E-02***	U	5.41E-02	5.41E-02	9.13E-02	pCi/g		*-0.2*	4/18/05 11:19 a		45.1	GER8$1
							7.00E+00	*-0.67*			g	
EU-155	***5.06E-03***	U	3.50E-02	3.50E-02	5.91E-02	pCi/g		*0.09*	4/18/05 11:19 a		45.1	GER8$1
							3.00E+02	*0.29*			g	
K-40	***7.24E+00***		1.13E+00	1.13E+00	3.11E-01	pCi/g		*(23.2)*	4/18/05 11:19 a		45.1	GER8$1
								(12.9)			g	
MN-54	***1.31E-02***	U	1.90E-02	1.90E-02	3.33E-02	pCi/g		*0.39*	4/18/05 11:19 a		45.1	GER8$1
							2.00E+00	*(1.4)*			g	
NB-94	***-1.88E-04***	U	1.78E-02	1.78E-02	3.09E-02	pCi/g		*-0.01*	4/18/05 11:19 a		45.1	GER8$1
							3.00E-01	*-0.02*			g	
PB-212	***3.12E-01***		7.66E-02	7.66E-02	4.91E-02	pCi/g		*(6.4)*	4/18/05 11:19 a		45.1	GER8$1
								(8.1)			g	
PB-214	***4.20E-01***		1.01E-01	1.01E-01	5.58E-02	pCi/g		*(7.5)*	4/18/05 11:19 a		45.1	GER8$1
								(8.3)			g	
RA-226	***3.99E-01***		1.02E-01	1.02E-01	5.84E-02	pCi/g		*(6.8)*	4/18/05 11:19 a		45.1	GER8$1
								(7.8)			g	
TL-208	***1.58E-01***		3.65E-02	3.65E-02	2.81E-02	pCi/g		*(5.6)*	4/18/05 11:19 a		45.1	GER8$1
								(8.7)			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-31	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
rptSTLRchSample
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-32	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-02	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:**	G8FTH1AD		**Report DB ID:**	9G8FTH10				
STRONTIUM	***1.83E-01***		2.33E-02	5.45E-02	3.06E-02	pCi/g	35%	*(6.)*	4/20/05 05:31 p		25.07	GPC32C
						1.47E-02	1.00E-02	*(6.7)*			G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8FTH1AC		**Report DB ID:**	9G8FTH10				
H-3	***1.40E+00***	J	5.57E-02	8.15E-02	3.58E-02	pCi/g	100%	*(39.2)*	4/20/05 10:55 p		100.3	LSC3
						1.65E-02	3.00E+00	*(34.4)*			G	
Batch: 5105297	RICHRC5017			**Work Order:**	G8FTH1AA		**Report DB ID:**	9G8FTH10				
AC-228	***3.89E-01***		1.45E-01	1.45E-01	1.55E-01	pCi/g		*(2.5)*	4/18/05 09:31 a		301.3	GER8$1
								(5.4)			g	
AG-108M	***-1.15E-02***	U	1.94E-02	1.94E-02	3.20E-02	pCi/g		*-0.36*	4/18/05 09:31 a		301.3	GER8$1
								-(1.2)			g	
AM-241	***-1.04E-02***	U	4.28E-02	4.28E-02	7.35E-02	pCi/g		*-0.14*	4/18/05 09:31 a		301.3	GER8$1
								-0.49			g	
BI-212	***4.02E-01***	U	3.67E-01	3.67E-01	7.23E-01	pCi/g		*0.56*	4/18/05 09:31 a		301.3	GER8$1
								(2.2)			g	
BI-214	***3.46E-01***	U	1.08E-01	1.08E-01	1.74E-01	pCi/g		*(2.)*	4/18/05 09:31 a		301.3	GER8$1
								(6.4)			g	
CO-60	***1.05E-03***	U	2.54E-02	2.54E-02	4.89E-02	pCi/g		*0.02*	4/18/05 09:31 a		301.3	GER8$1
							3.00E+00	*0.08*			g	
CS-134	***5.06E-03***	U	2.70E-02	2.70E-02	4.98E-02	pCi/g		*0.1*	4/18/05 09:31 a		301.3	GER8$1
							1.00E+01	*0.37*			g	

STL Richland
rptSTLRchSample
V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-32	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-02	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-1.94E-02***	U	2.31E-02	2.31E-02	3.74E-02	pCi/g		*-0.52*	4/18/05 09:31 a		301.3	GER8$1
							2.00E+01	*-(1.7)*			g	
EU-152	***-4.11E-02***	U	6.29E-02	6.29E-02	1.04E-01	pCi/g		*-0.39*	4/18/05 09:31 a		301.3	GER8$1
							9.00E+00	*-(1.3)*			g	
EU-154	***-3.09E-02***	U	7.44E-02	7.44E-02	1.29E-01	pCi/g		*-0.24*	4/18/05 09:31 a		301.3	GER8$1
							7.00E+00	*-0.83*			g	
EU-155	***8.84E-04***	U	6.00E-02	6.00E-02	1.04E-01	pCi/g		*0.01*	4/18/05 09:31 a		301.3	GER8$1
							3.00E+02	*0.03*			g	
K-40	***7.11E+00***		1.24E+00	1.24E+00	3.63E-01	pCi/g		*(19.6)*	4/18/05 09:31 a		301.3	GER8$1
								(11.5)			g	
MN-54	***1.44E-02***	U	2.37E-02	2.37E-02	4.59E-02	pCi/g		*0.31*	4/18/05 09:31 a		301.3	GER8$1
							2.00E+00	*(1.2)*			g	
NB-94	***-1.06E-02***	U	2.28E-02	2.28E-02	3.97E-02	pCi/g		*-0.27*	4/18/05 09:31 a		301.3	GER8$1
							3.00E-01	*-0.93*			g	
PB-212	***3.40E-01***		7.87E-02	7.87E-02	8.53E-02	pCi/g		*(4.)*	4/18/05 09:31 a		301.3	GER8$1
								(8.6)			g	
PB-214	***4.66E-01***		1.14E-01	1.14E-01	7.51E-02	pCi/g		*(6.2)*	4/18/05 09:31 a		301.3	GER8$1
								(8.2)			g	
RA-226	***3.46E-01***		1.08E-01	1.08E-01	7.86E-02	pCi/g		*(4.4)*	4/18/05 09:31 a		301.3	GER8$1
								(6.4)			g	
TL-208	***1.50E-01***		4.13E-02	4.13E-02	4.35E-02	pCi/g		*(3.5)*	4/18/05 09:31 a		301.3	GER8$1
								(7.3)			g	

STL Richland
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V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	SDG:	28704	Collection Date:	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-32	Report No. :	28635	Received Date:	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-02	COC No. :		Matrix:	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
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V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland
SDG: 28704
Collection Date: 4/5/2005 2:00:00 PM
Lot-Sample No.: J5D150180-33
Report No. : 28635
Received Date: 4/15/2005 9:00:00 AM
Client Sample ID: 3107-0000-199-C-1C-03
COC No. :
Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:** G8FTJ1AD			**Report DB ID:** 9G8FTJ10					
STRONTIUM	***1.53E-01***		1.64E-02	4.66E-02	2.08E-02	pCi/g	65%	*(7.3)*	4/20/05 05:31 p		25.04	GPC32D
						1.00E-02	1.00E-02	*(6.5)*			G	
Batch: 5105287	RICHRC5037			**Work Order:** G8FTJ1AC			**Report DB ID:** 9G8FTJ10					
H-3	***4.29E-01***	J	3.19E-02	3.74E-02	3.37E-02	pCi/g	100%	*(12.7)*	4/20/05 11:37 p		100.3	LSC3
						1.55E-02	3.00E+00	*(22.9)*			G	
Batch: 5105297	RICHRC5017			**Work Order:** G8FTJ1AA			**Report DB ID:** 9G8FTJ10					
AC-228	***4.62E-01***	U	1.55E-01	1.55E-01	2.21E-01	pCi/g		*(2.1)*	4/18/05 09:32 a		326.8	GER11$1
								(6.)			g	
AG-108M	***2.80E-03***	U	1.39E-02	1.39E-02	2.48E-02	pCi/g		*0.11*	4/18/05 09:32 a		326.8	GER11$1
								0.4			g	
AM-241	***8.31E-02***	U	1.07E-01	1.07E-01	1.92E-01	pCi/g		*0.43*	4/18/05 09:32 a		326.8	GER11$1
								(1.5)			g	
BI-212	***5.35E-01***	U	2.95E-01	2.95E-01	5.84E-01	pCi/g		*0.92*	4/18/05 09:32 a		326.8	GER11$1
								(3.6)			g	
BI-214	***4.91E-01***		9.44E-02	9.44E-02	5.31E-02	pCi/g		*(9.2)*	4/18/05 09:32 a		326.8	GER11$1
								(10.4)			g	
CO-60	***9.81E-03***	U	1.85E-02	1.85E-02	3.66E-02	pCi/g		*0.27*	4/18/05 09:32 a		326.8	GER11$1
							3.00E+00	*(1.1)*			g	
CS-134	***1.90E-02***	U	1.96E-02	1.96E-02	3.84E-02	pCi/g		*0.5*	4/18/05 09:32 a		326.8	GER11$1
							1.00E+01	*(1.9)*			g	

STL Richland
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V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-33	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-03	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***4.40E-03***	U	2.19E-02	2.19E-02	2.97E-02	pCi/g		*0.15*	4/18/05 09:32 a		326.8	GER11$1
							2.00E+01	*0.4*			g	
EU-152	***-1.97E-03***	U	4.49E-02	4.49E-02	7.79E-02	pCi/g		*-0.03*	4/18/05 09:32 a		326.8	GER11$1
							9.00E+00	*-0.09*			g	
EU-154	***7.56E-03***	U	4.97E-02	4.97E-02	9.48E-02	pCi/g		*0.08*	4/18/05 09:32 a		326.8	GER11$1
							7.00E+00	*0.3*			g	
EU-155	***3.13E-02***	U	5.41E-02	5.41E-02	9.79E-02	pCi/g		*0.32*	4/18/05 09:32 a		326.8	GER11$1
							3.00E+02	*(1.2)*			g	
K-40	***7.78E+00***		1.59E+00	1.59E+00	2.78E-01	pCi/g		*(28.)*	4/18/05 09:32 a		326.8	GER11$1
								(9.8)			g	
MN-54	***1.10E-02***	U	1.76E-02	1.76E-02	3.34E-02	pCi/g		*0.33*	4/18/05 09:32 a		326.8	GER11$1
							2.00E+00	*(1.3)*			g	
NB-94	***-2.22E-03***	U	1.55E-02	1.55E-02	2.74E-02	pCi/g		*-0.08*	4/18/05 09:32 a		326.8	GER11$1
							3.00E-01	*-0.29*			g	
PB-212	***3.85E-01***		7.65E-02	7.65E-02	4.97E-02	pCi/g		*(7.7)*	4/18/05 09:32 a		326.8	GER11$1
								(10.1)			g	
PB-214	***4.99E-01***		9.76E-02	9.76E-02	6.49E-02	pCi/g		*(7.7)*	4/18/05 09:32 a		326.8	GER11$1
								(10.2)			g	
RA-226	***4.91E-01***		9.44E-02	9.44E-02	5.31E-02	pCi/g		*(9.2)*	4/18/05 09:32 a		326.8	GER11$1
								(10.4)			g	
TL-208	***1.43E-01***		3.92E-02	3.92E-02	2.87E-02	pCi/g		*(5.)*	4/18/05 09:32 a		326.8	GER11$1
								(7.3)			g	

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-33	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-03	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland | **SDG:** 28704 | **Collection Date:** 4/5/2005 2:00:00 PM

Lot-Sample No.: J5D150180-34 | **Report No. :** 28635 | **Received Date:** 4/15/2005 9:00:00 AM

Client Sample ID: 3107-0000-199-C-1C-04 | **COC No. :** | **Matrix:** SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC | MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:**	G8FTK1AD		**Report DB ID:**	9G8FTK10				
STRONTIUM	***1.58E-01***		2.13E-02	4.70E-02	2.90E-02	pCi/g	41%	*(5.5)*	4/20/05 05:31 p		25.05	GPC31A
						1.40E-02	1.00E-02	*(6.7)*			G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8FTK1AC		**Report DB ID:**	9G8FTK10				
H-3	***2.71E-01***	J	2.71E-02	3.02E-02	3.48E-02	pCi/g	100%	*(7.8)*	4/21/05 12:19 a		100.6	LSC3
						1.60E-02	3.00E+00	*(17.9)*			G	
Batch: 5105297	RICHRC5017			**Work Order:**	G8FTK1AA		**Report DB ID:**	9G8FTK10				
AC-228	***2.96E-01***	U	2.07E-01	2.07E-01	2.90E-01	pCi/g		*(1.)*	4/18/05 11:20 a		311.2	GER4$1
								(2.9)			g	
AG-108M	***5.60E-03***	U	1.94E-02	1.94E-02	3.58E-02	pCi/g		*0.16*	4/18/05 11:20 a		311.2	GER4$1
								0.58			g	
AM-241	***-5.01E-02***	U	1.17E-01	1.17E-01	2.00E-01	pCi/g		*-0.25*	4/18/05 11:20 a		311.2	GER4$1
								-0.86			g	
BI-212	***7.71E-01***	U	4.18E-01	4.18E-01	8.45E-01	pCi/g		*0.91*	4/18/05 11:20 a		311.2	GER4$1
								(3.7)			g	
BI-214	***3.60E-01***	U	1.09E-01	1.09E-01	1.79E-01	pCi/g		*(2.)*	4/18/05 11:20 a		311.2	GER4$1
								(6.6)			g	
CO-60	***1.56E-02***	U	2.79E-02	2.79E-02	5.71E-02	pCi/g		*0.27*	4/18/05 11:20 a		311.2	GER4$1
							3.00E+00	*(1.1)*			g	
CS-134	***6.90E-03***	U	2.77E-02	2.77E-02	5.21E-02	pCi/g		*0.13*	4/18/05 11:20 a		311.2	GER4$1
							1.00E+01	*0.5*			g	

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-34	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-04	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-2.02E-03***	U	2.49E-02	2.49E-02	4.45E-02	pCi/g		*-0.05*	4/18/05 11:20 a		311.2	GER4$1
							2.00E+01	*-0.16*			g	
EU-152	***-1.13E-02***	U	5.73E-02	5.73E-02	9.89E-02	pCi/g		*-0.11*	4/18/05 11:20 a		311.2	GER4$1
							9.00E+00	*-0.39*			g	
EU-154	***-5.84E-02***	U	8.13E-02	8.13E-02	1.36E-01	pCi/g		*-0.43*	4/18/05 11:20 a		311.2	GER4$1
							7.00E+00	*-(1.4)*			g	
EU-155	***6.76E-02***	U	7.43E-02	7.43E-02	1.33E-01	pCi/g		*0.51*	4/18/05 11:20 a		311.2	GER4$1
							3.00E+02	*(1.8)*			g	
K-40	***5.78E+00***		1.29E+00	1.29E+00	3.87E-01	pCi/g		*(14.9)*	4/18/05 11:20 a		311.2	GER4$1
								(9.)			g	
MN-54	***6.89E-04***	U	2.37E-02	2.37E-02	4.38E-02	pCi/g		*0.02*	4/18/05 11:20 a		311.2	GER4$1
							2.00E+00	*0.06*			g	
NB-94	***-3.62E-03***	U	2.32E-02	2.32E-02	4.17E-02	pCi/g		*-0.09*	4/18/05 11:20 a		311.2	GER4$1
							3.00E-01	*-0.31*			g	
PB-212	***4.23E-01***		9.41E-02	9.41E-02	6.47E-02	pCi/g		*(6.5)*	4/18/05 11:20 a		311.2	GER4$1
								(9.)			g	
PB-214	***4.56E-01***		1.21E-01	1.21E-01	8.98E-02	pCi/g		*(5.1)*	4/18/05 11:20 a		311.2	GER4$1
								(7.6)			g	
RA-226	***3.60E-01***	U	1.09E-01	1.09E-01	1.79E-01	pCi/g		*(2.)*	4/18/05 11:20 a		311.2	GER4$1
								(6.6)			g	
TL-208	***1.49E-01***	U	5.58E-02	5.58E-02	8.49E-02	pCi/g		*(1.8)*	4/18/05 11:20 a		311.2	GER4$1
								(5.3)			g	

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-34	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-04	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland | **SDG:** 28704 | **Collection Date:** 4/5/2005 2:00:00 PM

Lot-Sample No.: J5D150180-35 | **Report No. :** 28635 | **Received Date:** 4/15/2005 9:00:00 AM

Client Sample ID: 3107-0000-199-C-1C-05 | **COC No. :** | **Matrix:** SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:**	G8FTL1AD		**Report DB ID:**	9G8FTL10				
STRONTIUM	***2.30E-01***		1.85E-02	6.35E-02	1.93E-02	pCi/g	63%	*(11.9)*	4/20/05 05:31 p		25.09	GPC31B
						9.30E-03	1.00E-02	*(7.2)*			G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8FTL1AC		**Report DB ID:**	9G8FTL10				
H-3	***6.54E-01***	J	3.77E-02	4.73E-02	3.30E-02	pCi/g	100%	*(19.9)*	4/21/05 01:02 a		100.5	LSC3
						1.52E-02	3.00E+00	*(27.6)*			G	
Batch: 5105297	RICHRC5017			**Work Order:**	G8FTL1AA		**Report DB ID:**	9G8FTL10				
AC-228	***4.60E-01***		1.88E-01	1.88E-01	1.51E-01	pCi/g		*(3.)*	4/18/05 11:20 a		339.0	GER7$1
								(4.9)			g	
AG-108M	***-7.98E-03***	U	2.26E-02	2.26E-02	3.85E-02	pCi/g		*-0.21*	4/18/05 11:20 a		339.0	GER7$1
								-0.7			g	
AM-241	***-6.56E-03***	U	8.46E-02	8.46E-02	1.44E-01	pCi/g		*-0.05*	4/18/05 11:20 a		339.0	GER7$1
								-0.16			g	
BI-212	***3.11E-01***	U	3.84E-01	3.84E-01	7.41E-01	pCi/g		*0.42*	4/18/05 11:20 a		339.0	GER7$1
								(1.6)			g	
BI-214	***6.08E-01***	U	1.36E-01	1.36E-01	2.16E-01	pCi/g		*(2.8)*	4/18/05 11:20 a		339.0	GER7$1
								(8.9)			g	
CO-60	***-2.29E-02***	U	2.27E-02	2.27E-02	3.47E-02	pCi/g		*-0.66*	4/18/05 11:20 a		339.0	GER7$1
							3.00E+00	*-(2.)*			g	
CS-134	***1.23E-02***	U	3.16E-02	3.16E-02	5.88E-02	pCi/g		*0.21*	4/18/05 11:20 a		339.0	GER7$1
							1.00E+01	*0.78*			g	

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-35	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-05	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC | MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-4.59E-03***	U	2.85E-02	2.85E-02	4.96E-02	pCi/g		*-0.09*	4/18/05 11:20 a		339.0	GER7$1
							2.00E+01	*-0.32*			g	
EU-152	***-3.32E-02***	U	7.94E-02	7.94E-02	1.22E-01	pCi/g		*-0.27*	4/18/05 11:20 a		339.0	GER7$1
							9.00E+00	*-0.84*			g	
EU-154	***2.93E-02***	U	8.77E-02	8.77E-02	1.68E-01	pCi/g		*0.17*	4/18/05 11:20 a		339.0	GER7$1
							7.00E+00	*0.67*			g	
EU-155	***5.02E-03***	U	6.80E-02	6.80E-02	1.19E-01	pCi/g		*0.04*	4/18/05 11:20 a		339.0	GER7$1
							3.00E+02	*0.15*			g	
K-40	***6.36E+00***		1.18E+00	1.18E+00	4.58E-01	pCi/g		*(13.9)*	4/18/05 11:20 a		339.0	GER7$1
								(10.8)			g	
MN-54	***-1.81E-02***	U	2.71E-02	2.71E-02	4.49E-02	pCi/g		*-0.4*	4/18/05 11:20 a		339.0	GER7$1
							2.00E+00	*-(1.3)*			g	
NB-94	***2.25E-02***	U	2.75E-02	2.75E-02	5.31E-02	pCi/g		*0.42*	4/18/05 11:20 a		339.0	GER7$1
							3.00E-01	*(1.6)*			g	
PB-212	***3.60E-01***		1.05E-01	1.05E-01	1.04E-01	pCi/g		*(3.5)*	4/18/05 11:20 a		339.0	GER7$1
								(6.9)			g	
PB-214	***6.80E-01***		1.43E-01	1.43E-01	8.43E-02	pCi/g		*(8.1)*	4/18/05 11:20 a		339.0	GER7$1
								(9.5)			g	
RA-226	***6.08E-01***	U	1.36E-01	1.36E-01	2.16E-01	pCi/g		*(2.8)*	4/18/05 11:20 a		339.0	GER7$1
								(8.9)			g	
TL-208	***1.17E-01***	U	5.41E-02	5.41E-02	7.95E-02	pCi/g		*(1.5)*	4/18/05 11:20 a		339.0	GER7$1
								(4.3)			g	

STL Richland

rptSTLRchSample
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	SDG:	28704	Collection Date:	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-35	Report No. :	28635	Received Date:	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-05	COC No. :		Matrix:	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC | MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
rptSTLRchSample
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:10:00 PM
Lot-Sample No.:	J5D150180-36	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-2C-06	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:**	G8FTM1AD		**Report DB ID:**	9G8FTM10				
STRONTIUM	***2.13E-01***		1.69E-02	5.87E-02	1.77E-02	pCi/g	70%	*(12.)*	4/20/05 05:31 p		25.05	GPC31C
						8.53E-03	1.00E-02	*(7.2)*			G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8FTM1AC		**Report DB ID:**	9G8FTM10				
H-3	***8.49E-01***	J	4.32E-02	5.67E-02	3.42E-02	pCi/g	100%	*(24.8)*	4/21/05 01:44 a		100.7	LSC3
						1.58E-02	3.00E+00	*(30.)*			G	
Batch: 5105297	RICHRC5017			**Work Order:**	G8FTM1AA		**Report DB ID:**	9G8FTM10				
AC-228	***5.02E-01***	U	1.51E-01	1.51E-01	2.19E-01	pCi/g		*(2.3)*	4/18/05 11:20 a		331.3	GER11$1
								(6.7)			g	
AG-108M	***-4.37E-04***	U	1.34E-02	1.34E-02	2.34E-02	pCi/g		*-0.02*	4/18/05 11:20 a		331.3	GER11$1
								-0.07			g	
AM-241	***-7.88E-02***	U	1.09E-01	1.09E-01	1.73E-01	pCi/g		*-0.45*	4/18/05 11:20 a		331.3	GER11$1
								-(1.5)			g	
BI-212	***1.24E-01***	U	2.58E-01	2.58E-01	4.82E-01	pCi/g		*0.26*	4/18/05 11:20 a		331.3	GER11$1
								0.96			g	
BI-214	***4.37E-01***		8.50E-02	8.50E-02	4.87E-02	pCi/g		*(9.)*	4/18/05 11:20 a		331.3	GER11$1
								(10.3)			g	
CO-60	***2.91E-03***	U	1.61E-02	1.61E-02	3.12E-02	pCi/g		*0.09*	4/18/05 11:20 a		331.3	GER11$1
							3.00E+00	*0.36*			g	
CS-134	***1.92E-02***	U	1.87E-02	1.87E-02	3.69E-02	pCi/g		*0.52*	4/18/05 11:20 a		331.3	GER11$1
							1.00E+01	*(2.1)*			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/5/2005 2:10:00 PM
Lot-Sample No.:	**J5D150180-36**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-199-C-2C-06**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC | MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-1.41E-02***	U	2.07E-02	2.07E-02	3.89E-02	pCi/g		*-0.36*	4/18/05 11:20 a		331.3	GER11$1
							2.00E+01	*-(1.4)*			g	
EU-152	***3.73E-02***	U	4.12E-02	4.12E-02	7.76E-02	pCi/g		*0.48*	4/18/05 11:20 a		331.3	GER11$1
							9.00E+00	*(1.8)*			g	
EU-154	***-2.49E-02***	U	5.54E-02	5.54E-02	9.61E-02	pCi/g		*-0.26*	4/18/05 11:20 a		331.3	GER11$1
							7.00E+00	*-0.9*			g	
EU-155	***2.17E-02***	U	5.12E-02	5.12E-02	9.21E-02	pCi/g		*0.24*	4/18/05 11:20 a		331.3	GER11$1
							3.00E+02	*0.85*			g	
K-40	***6.86E+00***		1.45E+00	1.45E+00	2.43E-01	pCi/g		*(28.2)*	4/18/05 11:20 a		331.3	GER11$1
								(9.5)			g	
MN-54	***9.75E-03***	U	1.50E-02	1.50E-02	2.92E-02	pCi/g		*0.33*	4/18/05 11:20 a		331.3	GER11$1
							2.00E+00	*(1.3)*			g	
NB-94	***7.61E-03***	U	1.60E-02	1.60E-02	3.02E-02	pCi/g		*0.25*	4/18/05 11:20 a		331.3	GER11$1
							3.00E-01	*0.95*			g	
PB-212	***4.22E-01***		7.72E-02	7.72E-02	4.37E-02	pCi/g		*(9.7)*	4/18/05 11:20 a		331.3	GER11$1
								(10.9)			g	
PB-214	***4.55E-01***		9.65E-02	9.65E-02	5.97E-02	pCi/g		*(7.6)*	4/18/05 11:20 a		331.3	GER11$1
								(9.4)			g	
RA-226	***4.37E-01***		8.50E-02	8.50E-02	4.87E-02	pCi/g		*(9.)*	4/18/05 11:20 a		331.3	GER11$1
								(10.3)			g	
TL-208	***1.51E-01***		3.72E-02	3.72E-02	2.67E-02	pCi/g		*(5.6)*	4/18/05 11:20 a		331.3	GER11$1
								(8.1)			g	

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:10:00 PM
Lot-Sample No.:	J5D150180-36	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-2C-06	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
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V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/11/2005 10:10:00 AM
Lot-Sample No.:	J5D150180-37	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-030-RA-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:**	G8FTN1AD		**Report DB ID:**	9G8FTN10				
STRONTIUM	***2.17E-02***	J	8.33E-03	1.01E-02	1.47E-02	pCi/g	88%	*(1.5)*	4/20/05 05:31 p		25.06	GPC31D
						7.07E-03	5.00E-02	*(4.3)*			G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8FTN1AC		**Report DB ID:**	9G8FTN10				
H-3	***2.59E-01***	J	2.59E-02	2.89E-02	3.32E-02	pCi/g	100%	*(7.8)*	4/21/05 02:27 a		100.2	LSC3
						1.53E-02	1.50E+01	*(18.)*			G	
Batch: 5105297	RICHRC5017			**Work Order:**	G8FTN1AA		**Report DB ID:**	9G8FTN10				
AC-228	***3.91E-01***	U	2.17E-01	2.17E-01	3.22E-01	pCi/g		*(1.2)*	4/18/05 01:03 p		326.6	GER4$1
								(3.6)			g	
AG-108M	***4.82E-03***	U	2.71E-02	2.71E-02	4.79E-02	pCi/g		*0.1*	4/18/05 01:03 p		326.6	GER4$1
								0.36			g	
AM-241	***-4.84E-02***	U	2.09E-01	2.09E-01	3.57E-01	pCi/g		*-0.14*	4/18/05 01:03 p		326.6	GER4$1
								-0.46			g	
BI-212	***4.25E-01***	U	4.69E-01	4.69E-01	8.72E-01	pCi/g		*0.49*	4/18/05 01:03 p		326.6	GER4$1
								(1.8)			g	
BI-214	***3.55E+00***		4.77E-01	4.77E-01	1.09E-01	pCi/g		*(32.5)*	4/18/05 01:03 p		326.6	GER4$1
								(14.9)			g	
CO-60	***2.12E-02***	U	3.34E-02	3.34E-02	6.61E-02	pCi/g		*0.32*	4/18/05 01:03 p		326.6	GER4$1
							1.50E-01	*(1.3)*			g	
CS-134	***2.20E-02***	U	3.25E-02	3.25E-02	6.19E-02	pCi/g		*0.36*	4/18/05 01:03 p		326.6	GER4$1
							1.80E-01	*(1.4)*			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/11/2005 10:10:00 AM
Lot-Sample No.:	J5D150180-37	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-030-RA-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-4.37E-02***	U	3.47E-02	3.47E-02	5.35E-02	pCi/g		*-0.82*	4/18/05 01:03 p		326.6	GER4$1
							3.00E-01	*-(2.5)*			g	
EU-152	***-4.54E-02***	U	1.03E-01	1.03E-01	1.70E-01	pCi/g		*-0.27*	4/18/05 01:03 p		326.6	GER4$1
							4.00E-01	*-0.88*			g	
EU-154	***1.24E-02***	U	9.91E-02	9.91E-02	1.84E-01	pCi/g		*0.07*	4/18/05 01:03 p		326.6	GER4$1
							3.50E-01	*0.25*			g	
EU-155	***-3.15E-02***	U	1.12E-01	1.12E-01	1.83E-01	pCi/g		*-0.17*	4/18/05 01:03 p		326.6	GER4$1
							1.50E+01	*-0.56*			g	
K-40	***3.23E+00***		9.07E-01	9.07E-01	5.20E-01	pCi/g		*(6.2)*	4/18/05 01:03 p		326.6	GER4$1
								(7.1)			g	
MN-54	***2.10E-03***	U	3.23E-02	3.23E-02	5.77E-02	pCi/g		*0.04*	4/18/05 01:03 p		326.6	GER4$1
							6.50E-01	*0.13*			g	
NB-94	***-2.28E-03***	U	3.01E-02	3.01E-02	5.32E-02	pCi/g		*-0.04*	4/18/05 01:03 p		326.6	GER4$1
							2.50E-01	*-0.15*			g	
PB-212	***3.56E-01***		1.16E-01	1.16E-01	1.09E-01	pCi/g		*(3.3)*	4/18/05 01:03 p		326.6	GER4$1
								(6.2)			g	
PB-214	***3.78E+00***		5.62E-01	5.62E-01	1.23E-01	pCi/g		*(30.7)*	4/18/05 01:03 p		326.6	GER4$1
								(13.5)			g	
RA-226	***3.55E+00***		4.77E-01	4.77E-01	1.09E-01	pCi/g		*(32.5)*	4/18/05 01:03 p		326.6	GER4$1
								(14.9)			g	
TL-208	***1.28E-01***	U	6.51E-02	6.51E-02	8.19E-02	pCi/g		*(1.6)*	4/18/05 01:03 p		326.6	GER4$1
								(3.9)			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/11/2005 10:10:00 AM
Lot-Sample No.:	J5D150180-37	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-030-RA-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
J Qual - No U|< qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland
SDG: 28704
Collection Date: 4/11/2005 1:40:00 PM
Lot-Sample No.: J5D150180-38
Report No. : 28635
Received Date: 4/15/2005 9:00:00 AM
Client Sample ID: 9801-0000-031-RA-01
COC No. :
Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:**	G8FTX1AD		**Report DB ID:**	9G8FTX10				
STRONTIUM	***7.24E-02***		1.03E-02	2.18E-02	1.43E-02	pCi/g	89%	*(5.1)*	4/20/05 05:31 p		25.03	GPC27A
						6.87E-03	5.00E-02	*(6.6)*			G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8FTX1AC		**Report DB ID:**	9G8FTX10				
H-3	***9.93E-03***	U	1.38E-02	1.48E-02	3.31E-02	pCi/g	100%	*0.3*	4/21/05 03:09 a		100.0	LSC3
						1.52E-02	1.50E+01	*(1.3)*			G	
Batch: 5105297	RICHRC5017			**Work Order:**	G8FTX1AA		**Report DB ID:**	9G8FTX10				
AC-228	***2.09E-01***		8.34E-02	8.34E-02	6.79E-02	pCi/g		*(3.1)*	4/18/05 11:21 a		58.2	GER12$1
								(5.)			g	
AG-108M	***3.67E-04***	U	8.23E-03	8.23E-03	1.40E-02	pCi/g		*0.03*	4/18/05 11:21 a		58.2	GER12$1
								0.09			g	
AM-241	***2.10E-02***	U	2.26E-02	2.26E-02	3.91E-02	pCi/g		*0.54*	4/18/05 11:21 a		58.2	GER12$1
								(1.9)			g	
BI-212	***6.58E-02***	U	1.52E-01	1.52E-01	2.62E-01	pCi/g		*0.25*	4/18/05 11:21 a		58.2	GER12$1
								0.86			g	
BI-214	***1.81E-01***	U	5.25E-02	5.25E-02	5.64E-02	pCi/g		*(3.2)*	4/18/05 11:21 a		58.2	GER12$1
								(6.9)			g	
CO-60	***-7.86E-03***	U	1.32E-02	1.32E-02	2.18E-02	pCi/g		*-0.36*	4/18/05 11:21 a		58.2	GER12$1
							1.50E-01	*-(1.2)*			g	
CS-134	***1.66E-02***	U	1.21E-02	1.21E-02	2.19E-02	pCi/g		*0.76*	4/18/05 11:21 a		58.2	GER12$1
							1.80E-01	*(2.7)*			g	

STL Richland
rptSTLRchSample V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/11/2005 1:40:00 PM
Lot-Sample No.:	**J5D150180-38**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**9801-0000-031-RA-01**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***4.48E-03***	U	1.12E-02	1.12E-02	1.94E-02	pCi/g		*0.23*	4/18/05 11:21 a		58.2	GER12$1
							3.00E-01	*0.8*			g	
EU-152	***2.08E-02***	U	2.62E-02	2.62E-02	4.44E-02	pCi/g		*0.47*	4/18/05 11:21 a		58.2	GER12$1
							4.00E-01	*(1.6)*			g	
EU-154	***-1.94E-02***	U	3.71E-02	3.71E-02	6.16E-02	pCi/g		*-0.32*	4/18/05 11:21 a		58.2	GER12$1
							3.50E-01	*-(1.)*			g	
EU-155	***1.79E-02***	U	2.05E-02	2.05E-02	3.60E-02	pCi/g		*0.5*	4/18/05 11:21 a		58.2	GER12$1
							1.50E+01	*(1.7)*			g	
K-40	***1.90E+00***		5.60E-01	5.60E-01	2.09E-01	pCi/g		*(9.1)*	4/18/05 11:21 a		58.2	GER12$1
								(6.8)			g	
MN-54	***5.54E-03***	U	1.15E-02	1.15E-02	2.02E-02	pCi/g		*0.27*	4/18/05 11:21 a		58.2	GER12$1
							6.50E-01	*0.96*			g	
NB-94	***7.62E-03***	U	1.09E-02	1.09E-02	1.93E-02	pCi/g		*0.39*	4/18/05 11:21 a		58.2	GER12$1
							2.50E-01	*(1.4)*			g	
PB-212	***1.53E-01***		3.34E-02	3.34E-02	2.54E-02	pCi/g		*(6.)*	4/18/05 11:21 a		58.2	GER12$1
								(9.2)			g	
PB-214	***1.34E-01***		5.23E-02	5.23E-02	3.20E-02	pCi/g		*(4.2)*	4/18/05 11:21 a		58.2	GER12$1
								(5.1)			g	
RA-226	***1.81E-01***		5.25E-02	5.25E-02	3.59E-02	pCi/g		*(5.)*	4/18/05 11:21 a		58.2	GER12$1
								(6.9)			g	
TL-208	***5.23E-02***	U	1.85E-02	1.85E-02	2.31E-02	pCi/g		*(2.3)*	4/18/05 11:21 a		58.2	GER12$1
								(5.7)			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/11/2005 1:40:00 PM
Lot-Sample No.:	J5D150180-38	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-031-RA-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/11/2005 3:15:00 PM
Lot-Sample No.:	**J5D150180-39**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**9801-0000-032-RA-01**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC | MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:**	G8FT01AD		**Report DB ID:**	9G8FT010				
STRONTIUM	***1.86E-03***	U	7.51E-03	7.53E-03	1.51E-02	pCi/g	81%	*0.12*	4/20/05 05:31 p		25.06	GPC27B
						7.28E-03	5.00E-02	*0.49*			G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8FT01AC		**Report DB ID:**	9G8FT010				
H-3	***2.34E-02***	U	1.47E-02	1.56E-02	3.27E-02	pCi/g	100%	*0.72*	4/21/05 03:51 a		100.3	LSC3
						1.51E-02	1.50E+01	*(3.)*			G	
Batch: 5105297	RICHRC5017			**Work Order:**	G8FT01AA		**Report DB ID:**	9G8FT010				
AC-228	***1.25E-01***	U	9.26E-02	9.26E-02	1.92E-01	pCi/g		*0.65*	4/18/05 01:03 p		378.4	GER7$1
								(2.7)			g	
AG-108M	***-4.93E-04***	U	1.62E-02	1.62E-02	2.88E-02	pCi/g		*-0.02*	4/18/05 01:03 p		378.4	GER7$1
								-0.06			g	
AM-241	***2.31E-03***	U	5.72E-02	5.72E-02	9.92E-02	pCi/g		*0.02*	4/18/05 01:03 p		378.4	GER7$1
								0.08			g	
BI-212	***1.94E-01***	U	3.01E-01	3.01E-01	5.84E-01	pCi/g		*0.33*	4/18/05 01:03 p		378.4	GER7$1
								(1.3)			g	
BI-214	***2.08E-01***	U	8.40E-02	8.40E-02	1.30E-01	pCi/g		*(1.6)*	4/18/05 01:03 p		378.4	GER7$1
								(5.)			g	
CO-60	***-7.99E-03***	U	1.85E-02	1.85E-02	3.28E-02	pCi/g		*-0.24*	4/18/05 01:03 p		378.4	GER7$1
							1.50E-01	*-0.87*			g	
CS-134	***1.78E-02***	U	2.05E-02	2.05E-02	4.19E-02	pCi/g		*0.43*	4/18/05 01:03 p		378.4	GER7$1
							1.80E-01	*(1.7)*			g	

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/11/2005 3:15:00 PM
Lot-Sample No.:	J5D150180-39	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-032-RA-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***3.03E-03***	U	2.12E-02	2.12E-02	3.87E-02	pCi/g		*0.08*	4/18/05 01:03 p		378.4	GER7$1
							3.00E-01	*0.29*			g	
EU-152	***4.58E-02***	U	5.58E-02	5.58E-02	1.06E-01	pCi/g		*0.43*	4/18/05 01:03 p		378.4	GER7$1
							4.00E-01	*(1.6)*			g	
EU-154	***-4.66E-02***	U	5.57E-02	5.57E-02	9.00E-02	pCi/g		*-0.52*	4/18/05 01:03 p		378.4	GER7$1
							3.50E-01	*-(1.7)*			g	
EU-155	***2.84E-02***	U	4.60E-02	4.60E-02	8.47E-02	pCi/g		*0.34*	4/18/05 01:03 p		378.4	GER7$1
							1.50E+01	*(1.2)*			g	
K-40	***2.65E+00***		6.88E-01	6.88E-01	2.46E-01	pCi/g		*(10.8)*	4/18/05 01:03 p		378.4	GER7$1
								(7.7)			g	
MN-54	***1.46E-02***	U	1.92E-02	1.92E-02	3.83E-02	pCi/g		*0.38*	4/18/05 01:03 p		378.4	GER7$1
							6.50E-01	*(1.5)*			g	
NB-94	***-4.35E-03***	U	1.81E-02	1.81E-02	3.22E-02	pCi/g		*-0.14*	4/18/05 01:03 p		378.4	GER7$1
							2.50E-01	*-0.48*			g	
PB-212	***2.54E-01***		7.92E-02	7.92E-02	4.72E-02	pCi/g		*(5.4)*	4/18/05 01:03 p		378.4	GER7$1
								(6.4)			g	
PB-214	***1.95E-01***		9.20E-02	9.20E-02	7.29E-02	pCi/g		*(2.7)*	4/18/05 01:03 p		378.4	GER7$1
								(4.2)			g	
RA-226	***2.08E-01***	U	8.40E-02	8.40E-02	1.30E-01	pCi/g		*(1.6)*	4/18/05 01:03 p		378.4	GER7$1
								(5.)			g	
TL-208	***6.02E-02***		2.91E-02	2.91E-02	3.63E-02	pCi/g		*(1.7)*	4/18/05 01:03 p		378.4	GER7$1
								(4.1)			g	

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/11/2005 3:15:00 PM
Lot-Sample No.:	J5D150180-39	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-032-RA-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/12/2005 10:05:00 AM
Lot-Sample No.:	J5D150180-40	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-033-RA-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:**	G8FT11AD		**Report DB ID:**	9G8FT110				
STRONTIUM	***1.58E-02***	U	1.43E-02	1.49E-02	2.73E-02	pCi/g	40%	*0.58*	4/20/05 05:31 p		25.05	GPC27C
						1.31E-02	5.00E-02	*(2.1)*			G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8FT11AC		**Report DB ID:**	9G8FT110				
H-3	***5.15E-02***	J	1.62E-02	1.72E-02	3.22E-02	pCi/g	100%	*(1.6)*	4/21/05 04:34 a		100.6	LSC3
						1.48E-02	1.50E+01	*(6.)*			G	
Batch: 5105297	RICHRC5017			**Work Order:**	G8FT11AA		**Report DB ID:**	9G8FT110				
AC-228	***3.38E+00***		6.10E-01	6.10E-01	1.63E-01	pCi/g		*(20.8)*	4/18/05 01:03 p		378.4	GER11$1
								(11.1)			g	
AG-108M	***9.45E-03***	U	2.49E-02	2.49E-02	4.27E-02	pCi/g		*0.22*	4/18/05 01:03 p		378.4	GER11$1
								0.76			g	
AM-241	***-4.11E-02***	U	2.31E-01	2.31E-01	3.77E-01	pCi/g		*-0.11*	4/18/05 01:03 p		378.4	GER11$1
								-0.36			g	
BI-212	***3.44E+00***	U	9.80E-01	9.80E-01	1.18E+00	pCi/g		*(2.9)*	4/18/05 01:03 p		378.4	GER11$1
								(7.)			g	
BI-214	***2.58E+00***		3.40E-01	3.40E-01	9.05E-02	pCi/g		*(28.5)*	4/18/05 01:03 p		378.4	GER11$1
								(15.1)			g	
CO-60	***6.53E-03***	U	2.84E-02	2.84E-02	5.11E-02	pCi/g		*0.13*	4/18/05 01:03 p		378.4	GER11$1
							1.50E-01	*0.46*			g	
CS-134	***2.19E-01***	U	7.04E-02	7.04E-02	7.58E-02	pCi/g		*(2.9)*	4/18/05 01:03 p		378.4	GER11$1
							1.80E-01	*(6.2)*			g	

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/12/2005 10:05:00 AM
Lot-Sample No.:	J5D150180-40	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-033-RA-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-1.93E-02***	U	3.37E-02	3.37E-02	5.75E-02	pCi/g		*-0.33*	4/18/05 01:03 p		378.4	GER11$1
							3.00E-01	*-(1.1)*			g	
EU-152	***-9.34E-02***	U	7.83E-02	7.83E-02	1.26E-01	pCi/g		*-0.74*	4/18/05 01:03 p		378.4	GER11$1
							4.00E-01	*-(2.4)*			g	
EU-154	***7.28E-02***	U	9.11E-02	9.11E-02	1.67E-01	pCi/g		*0.44*	4/18/05 01:03 p		378.4	GER11$1
							3.50E-01	*(1.6)*			g	
EU-155	***2.60E-01***	U	1.16E-01	1.16E-01	2.01E-01	pCi/g		*(1.3)*	4/18/05 01:03 p		378.4	GER11$1
							1.50E+01	*(4.5)*			g	
K-40	***2.51E+01***		4.70E+00	4.70E+00	4.66E-01	pCi/g		*(53.8)*	4/18/05 01:03 p		378.4	GER11$1
								(10.7)			g	
MN-54	***3.94E-02***	U	2.97E-02	2.97E-02	5.37E-02	pCi/g		*0.73*	4/18/05 01:03 p		378.4	GER11$1
							6.50E-01	*(2.7)*			g	
NB-94	***3.19E-04***	U	2.58E-02	2.58E-02	4.44E-02	pCi/g		*0.01*	4/18/05 01:03 p		378.4	GER11$1
							2.50E-01	*0.02*			g	
PB-212	***3.65E+00***		5.34E-01	5.34E-01	8.65E-02	pCi/g		*(42.2)*	4/18/05 01:03 p		378.4	GER11$1
								(13.7)			g	
PB-214	***3.10E+00***		4.42E-01	4.42E-01	9.71E-02	pCi/g		*(31.9)*	4/18/05 01:03 p		378.4	GER11$1
								(14.)			g	
RA-226	***2.58E+00***		3.40E-01	3.40E-01	9.05E-02	pCi/g		*(28.5)*	4/18/05 01:03 p		378.4	GER11$1
								(15.1)			g	
TL-208	***1.08E+00***		1.52E-01	1.52E-01	5.02E-02	pCi/g		*(21.5)*	4/18/05 01:03 p		378.4	GER11$1
								(14.2)			g	

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	SDG:	28704	Collection Date:	4/12/2005 10:05:00 AM
Lot-Sample No.:	J5D150180-40	Report No. :	28635	Received Date:	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-033-RA-01	COC No. :		Matrix:	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland
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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland
SDG: 28704
Collection Date: 4/12/2005 1:25:00 PM
Lot-Sample No.: J5D150180-41
Report No. : 28635
Received Date: 4/15/2005 9:00:00 AM
Client Sample ID: 9801-0000-034-RA-01
COC No. :
Matrix: SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC | MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:**	G8FT21AD		**Report DB ID:**	9G8FT210				
STRONTIUM	***5.94E-03***	U	1.05E-02	1.06E-02	2.08E-02	pCi/g	58%	*0.29*	4/20/05 05:31 p		25.04	GPC27D
						1.00E-02	5.00E-02	*(1.1)*			G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8FT21AC		**Report DB ID:**	9G8FT210				
H-3	***8.67E-03***	U	1.36E-02	1.46E-02	3.26E-02	pCi/g	100%	*0.27*	4/21/05 05:16 a		100.2	LSC3
						1.50E-02	1.50E+01	*(1.2)*			G	
Batch: 5105297	RICHRC5017			**Work Order:**	G8FT21AA		**Report DB ID:**	9G8FT210				
AC-228	***5.38E-01***		1.67E-01	1.67E-01	1.21E-01	pCi/g		*(4.5)*	4/18/05 02:54 p		347.7	GER4$1
								(6.4)			g	
AG-108M	***-1.53E-02***	U	1.92E-02	1.92E-02	3.13E-02	pCi/g		*-0.49*	4/18/05 02:54 p		347.7	GER4$1
								-(1.6)			g	
AM-241	***-6.37E-03***	U	1.27E-01	1.27E-01	2.23E-01	pCi/g		*-0.03*	4/18/05 02:54 p		347.7	GER4$1
								-0.1			g	
BI-212	***2.75E-01***	U	3.61E-01	3.61E-01	6.84E-01	pCi/g		*0.4*	4/18/05 02:54 p		347.7	GER4$1
								(1.5)			g	
BI-214	***4.75E-01***	U	1.11E-01	1.11E-01	1.77E-01	pCi/g		*(2.7)*	4/18/05 02:54 p		347.7	GER4$1
								(8.6)			g	
CO-60	***8.14E-03***	U	1.94E-02	1.94E-02	4.10E-02	pCi/g		*0.2*	4/18/05 02:54 p		347.7	GER4$1
							1.50E-01	*0.84*			g	
CS-134	***3.51E-02***	U	2.82E-02	2.82E-02	5.66E-02	pCi/g		*0.62*	4/18/05 02:54 p		347.7	GER4$1
							1.80E-01	*(2.5)*			g	

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/12/2005 1:25:00 PM
Lot-Sample No.:	J5D150180-41	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-034-RA-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC | MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-3.40E-03***	U	2.45E-02	2.45E-02	4.32E-02	pCi/g		*-0.08*	4/18/05 02:54 p		347.7	GER4$1
							3.00E-01	*-0.28*			g	
EU-152	***7.81E-03***	U	6.23E-02	6.23E-02	1.09E-01	pCi/g		*0.07*	4/18/05 02:54 p		347.7	GER4$1
							4.00E-01	*0.25*			g	
EU-154	***5.20E-02***	U	7.50E-02	7.50E-02	1.53E-01	pCi/g		*0.34*	4/18/05 02:54 p		347.7	GER4$1
							3.50E-01	*(1.4)*			g	
EU-155	***7.78E-02***	U	6.67E-02	6.67E-02	1.21E-01	pCi/g		*0.64*	4/18/05 02:54 p		347.7	GER4$1
							1.50E+01	*(2.3)*			g	
K-40	***3.74E+00***		8.70E-01	8.70E-01	3.80E-01	pCi/g		*(9.8)*	4/18/05 02:54 p		347.7	GER4$1
								(8.6)			g	
MN-54	***1.43E-02***	U	2.36E-02	2.36E-02	4.54E-02	pCi/g		*0.31*	4/18/05 02:54 p		347.7	GER4$1
							6.50E-01	*(1.2)*			g	
NB-94	***1.15E-02***	U	2.12E-02	2.12E-02	4.13E-02	pCi/g		*0.28*	4/18/05 02:54 p		347.7	GER4$1
							2.50E-01	*(1.1)*			g	
PB-212	***4.51E-01***		9.59E-02	9.59E-02	5.76E-02	pCi/g		*(7.8)*	4/18/05 02:54 p		347.7	GER4$1
								(9.4)			g	
PB-214	***5.57E-01***		1.21E-01	1.21E-01	7.20E-02	pCi/g		*(7.7)*	4/18/05 02:54 p		347.7	GER4$1
								(9.2)			g	
RA-226	***4.75E-01***		1.11E-01	1.11E-01	7.39E-02	pCi/g		*(6.4)*	4/18/05 02:54 p		347.7	GER4$1
								(8.6)			g	
TL-208	***1.78E-01***		5.16E-02	5.16E-02	3.48E-02	pCi/g		*(5.1)*	4/18/05 02:54 p		347.7	GER4$1
								(6.9)			g	

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	*STL Richland*	**SDG:**	28704	**Collection Date:**	4/12/2005 1:25:00 PM
Lot-Sample No.:	J5D150180-41	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-034-RA-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/12/2005 8:19:00 AM
Lot-Sample No.:	J5D150180-43	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-039-RA	**COC No. :**		**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:**	G8FT61AD		**Report DB ID:**	9G8FT610				
STRONTIUM	***2.11E-01***		1.56E-02	5.77E-02	1.54E-02	pCi/g	80%	*(13.7)*	4/20/05 05:31 p		25.02	GPC28B
						7.41E-03	5.00E-02	*(7.3)*			G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8FT61AC		**Report DB ID:**	9G8FT610				
H-3	***7.26E-01***	J	4.40E-02	5.44E-02	4.00E-02	pCi/g	100%	*(18.2)*	4/21/05 06:41 a		100.8	LSC3
						1.84E-02	1.50E+01	*(26.7)*			G	
Batch: 5105297	RICHRC5017			**Work Order:**	G8FT61AA		**Report DB ID:**	9G8FT610				
AC-228	***5.61E-01***		1.72E-01	1.72E-01	1.30E-01	pCi/g		*(4.3)*	4/18/05 02:55 p		389.0	GER11$1
								(6.5)			g	
AG-108M	***9.29E-03***	U	1.95E-02	1.95E-02	3.41E-02	pCi/g		*0.27*	4/18/05 02:55 p		389.0	GER11$1
								0.95			g	
AM-241	***1.68E-02***	U	1.32E-01	1.32E-01	2.21E-01	pCi/g		*0.08*	4/18/05 02:55 p		389.0	GER11$1
								0.26			g	
BI-212	***6.50E-01***	U	3.08E-01	3.08E-01	5.93E-01	pCi/g		*(1.1)*	4/18/05 02:55 p		389.0	GER11$1
								(4.2)			g	
BI-214	***5.38E-01***		1.02E-01	1.02E-01	6.34E-02	pCi/g		*(8.5)*	4/18/05 02:55 p		389.0	GER11$1
								(10.5)			g	
CO-60	***4.53E-01***		1.03E-01	1.03E-01	3.06E-02	pCi/g		*(14.8)*	4/18/05 02:55 p		389.0	GER11$1
							1.50E-01	*(8.8)*			g	
CS-134	***4.37E-02***	U	2.31E-02	2.31E-02	4.47E-02	pCi/g		*0.98*	4/18/05 02:55 p		389.0	GER11$1
							1.80E-01	*(3.8)*			g	

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name: STL Richland
SDG: 28704
Collection Date: 4/12/2005 8:19:00 AM
Lot-Sample No.: J5D150180-43
Report No. : 28635
Received Date: 4/15/2005 9:00:00 AM
Client Sample ID: 9801-0000-039-RA
COC No. :
Matrix: SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***2.24E+00***		2.80E-01	2.80E-01	3.70E-02	pCi/g		*(60.5)*	4/18/05 02:55 p		389.0	GER11$1
							3.00E-01	*(16.)*			g	
EU-152	***3.48E-02***	U	5.73E-02	5.73E-02	1.02E-01	pCi/g		*0.34*	4/18/05 02:55 p		389.0	GER11$1
							4.00E-01	*(1.2)*			g	
EU-154	***3.40E-02***	U	6.02E-02	6.02E-02	1.14E-01	pCi/g		*0.3*	4/18/05 02:55 p		389.0	GER11$1
							3.50E-01	*(1.1)*			g	
EU-155	***6.15E-02***	U	6.72E-02	6.72E-02	1.19E-01	pCi/g		*0.52*	4/18/05 02:55 p		389.0	GER11$1
							1.50E+01	*(1.8)*			g	
K-40	***9.12E+00***		1.80E+00	1.80E+00	1.89E-01	pCi/g		*(48.3)*	4/18/05 02:55 p		389.0	GER11$1
								(10.1)			g	
MN-54	***8.88E-03***	U	1.74E-02	1.74E-02	3.20E-02	pCi/g		*0.28*	4/18/05 02:55 p		389.0	GER11$1
							6.50E-01	*(1.)*			g	
NB-94	***4.20E-03***	U	1.94E-02	1.94E-02	3.45E-02	pCi/g		*0.12*	4/18/05 02:55 p		389.0	GER11$1
							2.50E-01	*0.43*			g	
PB-212	***5.77E-01***		1.09E-01	1.09E-01	6.03E-02	pCi/g		*(9.6)*	4/18/05 02:55 p		389.0	GER11$1
								(10.6)			g	
PB-214	***5.83E-01***		1.19E-01	1.19E-01	7.30E-02	pCi/g		*(8.)*	4/18/05 02:55 p		389.0	GER11$1
								(9.8)			g	
RA-226	***5.38E-01***		1.02E-01	1.02E-01	6.34E-02	pCi/g		*(8.5)*	4/18/05 02:55 p		389.0	GER11$1
								(10.5)			g	
TL-208	***1.94E-01***		4.44E-02	4.44E-02	3.35E-02	pCi/g		*(5.8)*	4/18/05 02:55 p		389.0	GER11$1
								(8.7)			g	

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/12/2005 8:19:00 AM
Lot-Sample No.:	J5D150180-43	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-039-RA	**COC No. :**		**Matrix:**	SOIL

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC | MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/13/2005 10:12:00 AM
Lot-Sample No.:	J5D150180-42	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-040-RA-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:**	G8FT41AD		**Report DB ID:**	9G8FT410				
STRONTIUM	***3.31E+00***		5.65E-02	8.63E-01	1.73E-02	pCi/g	76%	*(191.2)*	4/20/05 05:31 p		25.03	GPC28A
						8.33E-03	5.00E-02	*(7.7)*			G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8FT41AC		**Report DB ID:**	9G8FT410				
H-3	***5.59E-01***	J	3.60E-02	4.37E-02	3.44E-02	pCi/g	100%	*(16.3)*	4/21/05 05:58 a		100.3	LSC3
						1.58E-02	1.50E+01	*(25.6)*			G	
Batch: 5105297	RICHRC5017			**Work Order:**	G8FT41AA		**Report DB ID:**	9G8FT410				
AC-228	***4.81E-01***		2.08E-01	2.08E-01	1.95E-01	pCi/g		*(2.5)*	4/18/05 02:54 p		229.9	GER7$1
								(4.6)			g	
AG-108M	***-1.31E-03***	U	2.66E-02	2.66E-02	4.72E-02	pCi/g		*-0.03*	4/18/05 02:54 p		229.9	GER7$1
								-0.1			g	
AM-241	***1.02E-02***	U	1.12E-01	1.12E-01	1.93E-01	pCi/g		*0.05*	4/18/05 02:54 p		229.9	GER7$1
								0.18			g	
BI-212	***5.82E-01***	U	4.51E-01	4.51E-01	9.38E-01	pCi/g		*0.62*	4/18/05 02:54 p		229.9	GER7$1
								(2.6)			g	
BI-214	***4.74E-01***	U	1.38E-01	1.38E-01	2.34E-01	pCi/g		*(2.)*	4/18/05 02:54 p		229.9	GER7$1
								(6.9)			g	
CO-60	***3.10E-02***	U	3.80E-02	3.80E-02	7.99E-02	pCi/g		*0.39*	4/18/05 02:54 p		229.9	GER7$1
							1.50E-01	*(1.6)*			g	
CS-134	***2.39E-02***	U	3.85E-02	3.85E-02	7.51E-02	pCi/g		*0.32*	4/18/05 02:54 p		229.9	GER7$1
							1.80E-01	*(1.2)*			g	

STL Richland
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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/13/2005 10:12:00 AM
Lot-Sample No.:	**J5D150180-42**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**9801-0000-040-RA-01**	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	***-3.15E-02***	U	3.69E-02	3.69E-02	5.89E-02	pCi/g		*-0.53*	4/18/05 02:54 p		229.9	GER7$1
							3.00E-01	*-(1.7)*			g	
EU-152	***-4.75E-02***	U	8.24E-02	8.24E-02	1.37E-01	pCi/g		*-0.35*	4/18/05 02:54 p		229.9	GER7$1
							4.00E-01	*-(1.2)*			g	
EU-154	***2.20E-02***	U	1.12E-01	1.12E-01	2.16E-01	pCi/g		*0.1*	4/18/05 02:54 p		229.9	GER7$1
							3.50E-01	*0.39*			g	
EU-155	***-1.58E-02***	U	9.09E-02	9.09E-02	1.58E-01	pCi/g		*-0.1*	4/18/05 02:54 p		229.9	GER7$1
							1.50E+01	*-0.35*			g	
K-40	***8.13E+00***		1.60E+00	1.60E+00	5.21E-01	pCi/g		*(15.6)*	4/18/05 02:54 p		229.9	GER7$1
								(10.2)			g	
MN-54	***-1.16E-02***	U	3.28E-02	3.28E-02	5.72E-02	pCi/g		*-0.2*	4/18/05 02:54 p		229.9	GER7$1
							6.50E-01	*-0.71*			g	
NB-94	***1.13E-02***	U	3.59E-02	3.59E-02	6.72E-02	pCi/g		*0.17*	4/18/05 02:54 p		229.9	GER7$1
							2.50E-01	*0.63*			g	
PB-212	***4.98E-01***		1.27E-01	1.27E-01	1.27E-01	pCi/g		*(3.9)*	4/18/05 02:54 p		229.9	GER7$1
								(7.8)			g	
PB-214	***5.99E-01***		1.61E-01	1.61E-01	1.19E-01	pCi/g		*(5.)*	4/18/05 02:54 p		229.9	GER7$1
								(7.4)			g	
RA-226	***4.74E-01***	U	1.38E-01	1.38E-01	2.34E-01	pCi/g		*(2.)*	4/18/05 02:54 p		229.9	GER7$1
								(6.9)			g	
TL-208	***1.57E-01***		6.15E-02	6.15E-02	6.52E-02	pCi/g		*(2.4)*	4/18/05 02:54 p		229.9	GER7$1
								(5.1)			g	

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V4.12 A97

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FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/13/2005 10:12:00 AM
Lot-Sample No.:	J5D150180-42	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-040-RA-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 **Comments:**

STL Richland
rptSTLRchSample
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
J Qual - No U|< qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.
U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 21-Apr-05

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/13/2005 10:12:00 AM
Lot-Sample No.:	J5D150180-42	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	9801-0000-040-RA-01	**COC No. :**		**Matrix:**	SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

STL Richland
rptSTLRchSample
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
J Qual - No U|< qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.
U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

Date: 21-Apr-05

DUPLICATE RESULTS

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/7/2005 1:50:00 PM
Lot-Sample No.:	J5D150180-1	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-194-C-1C-01 DUP	**COC No. :**		**Matrix:**	SOLID

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105267	RICHRC5006			**Work Order:** G8FQQ1AF		**Report DB ID:** G8FQQ1FR			**Orig Sa DB ID:** 9G8FQQ10			
STRONTIUM	3.25E-02		9.72E-03	1.29E-02	1.66E-02	pCi/g	84%	(2.)	4/20/05 09:53 a		25.03	GPC26B
	2.62E-02		**RER2 0.7**			1.00E-02		(5.)			G	
Batch: 5105290	RICHRC5017			**Work Order:** G8FQQ1AH		**Report DB ID:** G8FQQ1HR			**Orig Sa DB ID:** 9G8FQQ10			
AC-228	4.47E-01	U	1.77E-01	1.77E-01	3.46E-01	pCi/g		(1.3)	4/18/05 06:04 a		273.4	GER1$1
	4.10E-01	U	**RER2 0.3**					(5.1)			g	
AG-108M	-1.48E-02	U	2.85E-02	2.85E-02	4.83E-02	pCi/g		-0.31	4/18/05 06:04 a		273.4	GER1$1
	1.60E-02	U	**RER2 1.6**					-(1.)			g	
AM-241	-2.48E-01	U	1.41E-01	1.41E-01	2.13E-01	pCi/g		-(1.2)	4/18/05 06:04 a		273.4	GER1$1
	1.78E-02	U	**RER2 3.2**					-(3.5)			g	
BI-212	2.85E-01	U	4.58E-01	4.58E-01	8.55E-01	pCi/g		0.33	4/18/05 06:04 a		273.4	GER1$1
	5.33E-01	U	**RER2 0.8**					(1.2)			g	
BI-214	4.65E-01	U	1.23E-01	1.23E-01	2.02E-01	pCi/g		(2.3)	4/18/05 06:04 a		273.4	GER1$1
	3.21E-01	U	**RER2 1.4**					(7.5)			g	
CO-60	1.93E-02	U	3.36E-02	3.36E-02	6.64E-02	pCi/g		0.29	4/18/05 06:04 a		273.4	GER1$1
	1.89E-02	U	**RER2 0.0**			3.00E+00		(1.1)			g	
CS-134	3.08E-02	U	3.76E-02	3.76E-02	7.11E-02	pCi/g		0.43	4/18/05 06:04 a		273.4	GER1$1
	2.99E-03	U	**RER2 1.1**			1.00E+01		(1.6)			g	
CS-137	1.50E-02	U	3.29E-02	3.29E-02	6.08E-02	pCi/g		0.25	4/18/05 06:04 a		273.4	GER1$1
	1.15E-02	U	**RER2 0.2**			2.00E+01		0.91			g	
EU-152	-2.61E-01	U	1.36E-01	1.36E-01	1.56E-01	pCi/g		-(1.7)	4/18/05 06:04 a		273.4	GER1$1
	-6.49E-02	U	**RER2 2.4**			9.00E+00		-(3.8)			g	

STL Richland
rptSTLRchDupV4.1
2 A97

RER2 - Replicate Error Ratio = (S-D)/|sqrt(sq(TPUs)+sq(TPUd))| as defined by ICPT BOA.
MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

Date: 21-Apr-05

DUPLICATE RESULTS

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/7/2005 1:50:00 PM
Lot-Sample No.:	**J5D150180-1**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-194-C-1C-01 DUP**	**COC No. :**		**Matrix:**	SOLID

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
EU-154	-4.81E-02	U	1.13E-01	1.13E-01	1.93E-01	pCi/g		-0.25	4/18/05 06:04 a		273.4	GER1$1
	-6.34E-02	U	**RER2 0.2**			7.00E+00		-0.85			g	
EU-155	3.23E-02	U	9.83E-02	9.83E-02	1.71E-01	pCi/g		0.19	4/18/05 06:04 a		273.4	GER1$1
	7.20E-02	U	**RER2 0.7**			3.00E+02		0.66			g	
K-40	7.12E+00		1.40E+00	1.40E+00	5.05E-01	pCi/g		(14.1)	4/18/05 06:04 a		273.4	GER1$1
	7.92E+00		**RER2 0.8**					(10.2)			g	
MN-54	-4.06E-03	U	3.06E-02	3.06E-02	5.45E-02	pCi/g		-0.07	4/18/05 06:04 a		273.4	GER1$1
	2.50E-03	U	**RER2 0.3**			2.00E+00		-0.27			g	
NB-94	1.24E-02	U	2.74E-02	2.74E-02	5.24E-02	pCi/g		0.24	4/18/05 06:04 a		273.4	GER1$1
	-8.07E-03	U	**RER2 1.1**			3.00E-01		0.91			g	
PB-212	6.00E-01		1.42E-01	1.42E-01	9.07E-02	pCi/g		(6.6)	4/18/05 06:04 a		273.4	GER1$1
	3.97E-01		**RER2 2.3**					(8.4)			g	
PB-214	2.48E-01		1.04E-01	1.04E-01	1.03E-01	pCi/g		(2.4)	4/18/05 06:04 a		273.4	GER1$1
	3.17E-01		**RER2 0.7**					(4.7)			g	
RA-226	4.65E-01	U	1.23E-01	1.23E-01	2.02E-01	pCi/g		(2.3)	4/18/05 06:04 a		273.4	GER1$1
	3.21E-01	U	**RER2 1.4**					(7.5)			g	
TL-208	1.17E-01	U	6.76E-02	6.76E-02	8.84E-02	pCi/g		(1.3)	4/18/05 06:04 a		273.4	GER1$1
	1.75E-01	U	**RER2 1.3**					(3.5)			g	

No. of Results: 19 **Comments:**

STL Richland
rptSTLRchDupV4.1 2 A97

RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.
MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

Date: 21-Apr-05

DUPLICATE RESULTS

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/7/2005 1:50:00 PM
Lot-Sample No.:	**J5D150180-4**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-194-C-1C-04 DUP**	**COC No. :**		**Matrix:**	SOLID

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105278	RICHRC5037			**Work Order:** G8FQ11AF		**Report DB ID:** G8FQ11FR			**Orig Sa DB ID:** 9G8FQ110			
H-3	1.12E+01		1.54E-01	4.92E-01	3.83E-02	pCi/g	100%	(292.8)	4/18/05 10:47 p		100.4	LSC3
	1.12E+01		**RER2 0.0**			3.00E+00		(45.6)			G	

No. of Results: 1 **Comments:**

STL Richland RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.

rptSTLRchDupV4.1 MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.

2 A97

FORM II

Date: 21-Apr-05

DUPLICATE RESULTS

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/6/2005 10:15:00 AM
Lot-Sample No.:	**J5D150180-16**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-196-C-2C-04 DUP**	**COC No. :**		**Matrix:**	SOLID

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105292	RICHRC5017			**Work Order:** G8FRQ1AH		**Report DB ID:** G8FRQ1HR			**Orig Sa DB ID:** 9G8FRQ10			
AC-228	5.84E-01	U	2.27E-01	2.27E-01	3.81E-01	pCi/g		(1.5)	4/16/05 10:10 a		255.3	GER4$1
	7.46E-01	U	**RER2 1.1**					(5.1)			g	
AG-108M	-4.47E-03	U	2.69E-02	2.69E-02	4.65E-02	pCi/g		-0.1	4/16/05 10:10 a		255.3	GER4$1
	1.13E-02	U	**RER2 1.0**					-0.33			g	
AM-241	-6.59E-02	U	1.60E-01	1.60E-01	2.62E-01	pCi/g		-0.25	4/16/05 10:10 a		255.3	GER4$1
	-3.08E-02	U	**RER2 0.4**					-0.82			g	
BI-212	1.26E+00	U	5.35E-01	5.35E-01	1.02E+00	pCi/g		(1.2)	4/16/05 10:10 a		255.3	GER4$1
	1.12E+00	U	**RER2 0.3**					(4.7)			g	
BI-214	5.52E-01	U	1.62E-01	1.62E-01	2.44E-01	pCi/g		(2.3)	4/16/05 10:10 a		255.3	GER4$1
	5.45E-01		**RER2 0.1**					(6.8)			g	
CO-60	3.82E-03	U	3.58E-02	3.58E-02	6.85E-02	pCi/g		0.06	4/16/05 10:10 a		255.3	GER4$1
	1.20E-04	U	**RER2 0.2**			3.00E+00		0.21			g	
CS-134	8.36E-02	U	3.48E-02	3.48E-02	7.97E-02	pCi/g		(1.)	4/16/05 10:10 a		255.3	GER4$1
	4.48E-02	U	**RER2 1.7**			1.00E+01		(4.8)			g	
CS-137	-1.53E-02	U	3.35E-02	3.35E-02	5.63E-02	pCi/g		-0.27	4/16/05 10:10 a		255.3	GER4$1
	-1.35E-03	U	**RER2 0.7**			2.00E+01		-0.92			g	
EU-152	-1.78E-02	U	7.92E-02	7.92E-02	1.38E-01	pCi/g		-0.13	4/16/05 10:10 a		255.3	GER4$1
	2.07E-02	U	**RER2 0.8**			9.00E+00		-0.45			g	
EU-154	6.78E-02	U	1.11E-01	1.11E-01	2.22E-01	pCi/g		0.31	4/16/05 10:10 a		255.3	GER4$1
	-1.01E-02	U	**RER2 1.1**			7.00E+00		(1.2)			g	
EU-155	1.14E-02	U	9.39E-02	9.39E-02	1.65E-01	pCi/g		0.07	4/16/05 10:10 a		255.3	GER4$1
	6.13E-03	U	**RER2 0.1**			3.00E+02		0.24			g	

STL Richland
rptSTLRchDupV4.1
2 A97

RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.
MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

Date: 21-Apr-05

DUPLICATE RESULTS

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/6/2005 10:15:00 AM
Lot-Sample No.:	J5D150180-16	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-196-C-2C-04 DUP	**COC No. :**		**Matrix:**	SOLID

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
K-40	7.72E+00		1.51E+00	1.51E+00	4.50E-01	pCi/g		(17.1)	4/16/05 10:10 a		255.3	GER4$1
	9.10E+00		RER2 1.3					(10.2)			g	
MN-54	2.18E-02	U	2.89E-02	2.89E-02	5.77E-02	pCi/g		0.38	4/16/05 10:10 a		255.3	GER4$1
	-7.91E-03	U	RER2 1.6			2.00E+00		(1.5)			g	
NB-94	-1.65E-02	U	2.91E-02	2.91E-02	4.87E-02	pCi/g		-0.34	4/16/05 10:10 a		255.3	GER4$1
	1.62E-02	U	RER2 1.8			3.00E-01		-(1.1)			g	
PB-212	5.13E-01		1.37E-01	1.37E-01	1.13E-01	pCi/g		(4.6)	4/16/05 10:10 a		255.3	GER4$1
	6.34E-01		RER2 1.3					(7.5)			g	
PB-214	5.66E-01		1.42E-01	1.42E-01	1.06E-01	pCi/g		(5.3)	4/16/05 10:10 a		255.3	GER4$1
	5.66E-01		RER2 0.0					(8.)			g	
RA-226	5.52E-01	U	1.62E-01	1.62E-01	2.44E-01	pCi/g		(2.3)	4/16/05 10:10 a		255.3	GER4$1
	5.45E-01		RER2 0.1					(6.8)			g	
TL-208	2.04E-01		6.87E-02	6.87E-02	5.42E-02	pCi/g		(3.8)	4/16/05 10:10 a		255.3	GER4$1
	1.63E-01		RER2 1.0					(5.9)			g	

No. of Results: 18 **Comments:**

STL Richland
rptSTLRchDupV4.1
2 A97

RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.
MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

Date: 21-Apr-05

DUPLICATE RESULTS

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	**J5D150180-21**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-197-C-1C-03 DUP**	**COC No. :**		**Matrix:**	SOLID

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:** G8FRX1AF		**Report DB ID:** G8FRX1FR			**Orig Sa DB ID:** 9G8FRX10			
STRONTIUM	1.97E-01		1.36E-02	5.35E-02	1.28E-02	pCi/g	100%	(15.4)	4/20/05 01:52 p		25.08	GPC27C
	7.55E-02		**RER2 4.2**			1.00E-02		(7.4)			G	

No. of Results: 1 **Comments:**

STL Richland **RER2** - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.

rptSTLRchDupV4.1 **MDC|MDA,Lc** - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.

2 A97

FORM II

Date: 21-Apr-05

DUPLICATE RESULTS

Lab Name:	**STL Richland**	**SDG:**	28704	**Collection Date:**	4/6/2005 2:50:00 PM
Lot-Sample No.:	**J5D150180-23**	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	**3107-0000-197-C-1C-05 DUP**	**COC No. :**		**Matrix:**	SOLID

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105284	RICHRC5037			**Work Order:** G8FR31AF		**Report DB ID:** G8FR31FR			**Orig Sa DB ID:** 9G8FR310			
H-3	4.87E+00		7.97E-02	2.22E-01	2.42E-02	pCi/g	100%	(200.9)	4/20/05 03:41 a		100.4	LSC8
	3.71E+00		**RER2 8.2**			3.00E+00		(43.9)			G	

No. of Results: 1 **Comments:**

STL Richland **RER2** - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.

rptSTLRchDupV4.1 **MDC|MDA,Lc** - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.

2 A97

FORM II

Date: 21-Apr-05

DUPLICATE RESULTS

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-31	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-01 DUP	**COC No. :**		**Matrix:**	SOLID

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105275	RICHRC5006			**Work Order:** G8FTG1AF		**Report DB ID:** G8FTG1FR			**Orig Sa DB ID:** 9G8FTG10			
STRONTIUM	4.17E-01		2.48E-02	1.14E-01	2.17E-02	pCi/g	54%	(19.2)	4/20/05 05:31 p		24.66	GPC32B
	5.71E-01		**RER2 1.6**			1.00E-02		(7.3)			G	
Batch: 5105287	RICHRC5037			**Work Order:** G8FTG1AG		**Report DB ID:** G8FTG1GR			**Orig Sa DB ID:** 9G8FTG10			
H-3	1.84E+00	J	7.12E-02	1.05E-01	4.49E-02	pCi/g	100%	(40.9)	4/20/05 10:12 p		96.9	LSC3
	1.77E+00	J	**RER2 0.8**			3.00E+00		(34.9)			G	
Batch: 5105297	RICHRC5017			**Work Order:** G8FTG1AH		**Report DB ID:** G8FTG1HR			**Orig Sa DB ID:** 9G8FTG10			
AC-228	3.99E-01		1.81E-01	1.81E-01	1.51E-01	pCi/g		(2.6)	4/18/05 11:20 a		47.1	GER1$1
	6.54E-01		**RER2 2.1**					(4.4)			g	
AG-108M	3.72E-03	U	1.95E-02	1.95E-02	3.32E-02	pCi/g		0.11	4/18/05 11:20 a		47.1	GER1$1
	1.25E-02	U	**RER2 0.7**					0.38			g	
AM-241	-1.51E-01	U	7.99E-02	7.99E-02	1.24E-01	pCi/g		-(1.2)	4/18/05 11:20 a		47.1	GER1$1
	1.64E-02	U	**RER2 4.0**					-(3.8)			g	
BI-212	4.00E-01	U	3.69E-01	3.69E-01	6.38E-01	pCi/g		0.63	4/18/05 11:20 a		47.1	GER1$1
	5.44E-01	U	**RER2 0.6**					(2.2)			g	
BI-214	3.74E-01	U	1.09E-01	1.09E-01	1.22E-01	pCi/g		(3.1)	4/18/05 11:20 a		47.1	GER1$1
	3.99E-01		**RER2 0.3**					(6.9)			g	
CO-60	1.44E-03	U	2.67E-02	2.67E-02	4.56E-02	pCi/g		0.03	4/18/05 11:20 a		47.1	GER1$1
	-3.54E-03	U	**RER2 0.3**			3.00E+00		0.11			g	
CS-134	1.19E-02	U	2.87E-02	2.87E-02	4.90E-02	pCi/g		0.24	4/18/05 11:20 a		47.1	GER1$1
	2.69E-02	U	**RER2 0.9**			1.00E+01		0.83			g	

STL Richland
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2 A97

RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.
MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
J Qual - No U|< qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.
U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

Date: 21-Apr-05

DUPLICATE RESULTS

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-31	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-01 DUP	**COC No. :**		**Matrix:**	SOLID

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	2.30E-02	U	2.57E-02	2.57E-02	4.48E-02	pCi/g		0.51	4/18/05 11:20 a		47.1	GER1$1
	2.63E-03	U	RER2 1.3			2.00E+01		(1.8)			g	
EU-152	3.44E-02	U	9.29E-02	9.29E-02	1.07E-01	pCi/g		0.32	4/18/05 11:20 a		47.1	GER1$1
	1.98E-02	U	RER2 0.3			9.00E+00		0.74			g	
EU-154	-5.16E-02	U	7.88E-02	7.88E-02	1.29E-01	pCi/g		-0.4	4/18/05 11:20 a		47.1	GER1$1
	-1.81E-02	U	RER2 0.7			7.00E+00		-(1.3)			g	
EU-155	6.63E-02	U	5.57E-02	5.57E-02	9.43E-02	pCi/g		0.7	4/18/05 11:20 a		47.1	GER1$1
	5.06E-03	U	RER2 1.9			3.00E+02		(2.4)			g	
K-40	7.51E+00		1.50E+00	1.50E+00	3.63E-01	pCi/g		(20.7)	4/18/05 11:20 a		47.1	GER1$1
	7.24E+00		RER2 0.3					(10.)			g	
MN-54	5.00E-03	U	2.56E-02	2.56E-02	4.40E-02	pCi/g		0.11	4/18/05 11:20 a		47.1	GER1$1
	1.31E-02	U	RER2 0.5			2.00E+00		0.39			g	
NB-94	6.73E-04	U	2.38E-02	2.38E-02	4.07E-02	pCi/g		0.02	4/18/05 11:20 a		47.1	GER1$1
	-1.88E-04	U	RER2 0.1			3.00E-01		0.06			g	
PB-212	5.64E-01		1.15E-01	1.15E-01	5.47E-02	pCi/g		(10.3)	4/18/05 11:20 a		47.1	GER1$1
	3.12E-01		RER2 3.7					(9.8)			g	
PB-214	4.34E-01		1.03E-01	1.03E-01	7.30E-02	pCi/g		(5.9)	4/18/05 11:20 a		47.1	GER1$1
	4.20E-01		RER2 0.2					(8.4)			g	
RA-226	3.74E-01	U	1.09E-01	1.09E-01	1.22E-01	pCi/g		(3.1)	4/18/05 11:20 a		47.1	GER1$1
	3.99E-01		RER2 0.3					(6.9)			g	
TL-208	1.35E-01		3.69E-02	3.69E-02	3.91E-02	pCi/g		(3.4)	4/18/05 11:20 a		47.1	GER1$1
	1.58E-01		RER2 0.9					(7.3)			g	

STL Richland
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2 A97

RER2 - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.
MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

Date: 21-Apr-05

DUPLICATE RESULTS

Lab Name:	STL Richland	**SDG:**	28704	**Collection Date:**	4/5/2005 2:00:00 PM
Lot-Sample No.:	J5D150180-31	**Report No. :**	28635	**Received Date:**	4/15/2005 9:00:00 AM
Client Sample ID:	3107-0000-199-C-1C-01 DUP	**COC No. :**		**Matrix:**	SOLID

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector

No. of Results: 20 Comments:

STL Richland RER2 - Replicate Error Ratio = (S-D)/|sqrt(sq(TPUs)+sq(TPUd))| as defined by ICPT BOA.

rptSTLRchDupV4.1 MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.

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FORM II

BLANK RESULTS

Date: 21-Apr-05

Lab Name: STL Richland

Matrix: SOLID

SDG: 28704

Report No. : 28635

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA ,	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105278	RICHRC5037			**Work Order:**	G8GDP1AA		**Report DB ID:**	G8GDP1AB				
H-3	-3.76E-02	U	1.36E-01	1.46E-01	3.47E-01	pCi/g	100%	-0.11	4/18/05 06:33 p		10.0	LSC3
					1.61E-01	3.00E+00		-0.51			G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8GFG1AA		**Report DB ID:**	G8GFG1AB				
H-3	-8.33E-02	U	8.08E-02	8.75E-02	2.17E-01	pCi/g	100%	-0.38	4/19/05 08:47 p		10.0	LSC8
					1.01E-01	3.00E+00		-(1.9)			G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8GF01AA		**Report DB ID:**	G8GF01AB				
H-3	-9.29E-02	U	1.24E-01	1.34E-01	3.29E-01	pCi/g	100%	-0.28	4/20/05 08:05 p		10.0	LSC3
					1.52E-01	3.00E+00		-(1.4)			G	
Batch: 5105290	RICHRC5017			**Work Order:**	G8GGE1AA		**Report DB ID:**	G8GGE1AB				
AC-228	-1.34E-02	U	8.15E-02	8.15E-02	1.46E-01	pCi/g		-0.09	4/16/05 12:15 p		200.0	GER12$1
								-0.33			g	
AG-108M	-6.03E-03	U	1.43E-02	1.43E-02	2.47E-02	pCi/g		-0.24	4/16/05 12:15 p		200.0	GER12$1
								-0.84			g	
AM-241	-7.00E-03	U	4.73E-02	4.73E-02	8.43E-02	pCi/g		-0.08	4/16/05 12:15 p		200.0	GER12$1
								-0.3			g	
BI-212	6.79E-02	U	3.13E-01	3.13E-01	5.95E-01	pCi/g		0.11	4/16/05 12:15 p		200.0	GER12$1
								0.43			g	
BI-214	-3.98E-02	U	5.64E-02	5.64E-02	9.44E-02	pCi/g		-0.42	4/16/05 12:15 p		200.0	GER12$1
								-(1.4)			g	
CO-60	-1.75E-02	U	2.39E-02	2.39E-02	3.94E-02	pCi/g		-0.45	4/16/05 12:15 p		200.0	GER12$1
						3.00E+00		-(1.5)			g	
CS-134	4.53E-03	U	2.33E-02	2.33E-02	4.45E-02	pCi/g		0.1	4/16/05 12:15 p		200.0	GER12$1
						1.00E+01		0.39			g	

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MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM II

BLANK RESULTS

Date: 21-Apr-05

Lab Name: STL Richland

Matrix: SOLID

SDG: 28704

Report No. : 28635

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA ,	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	-1.31E-03	U	2.23E-02	2.23E-02	4.04E-02	pCi/g		-0.03	4/16/05 12:15 p		200.0	GER12$1
						2.00E+01		-0.12			g	
EU-152	-5.06E-03	U	5.26E-02	5.26E-02	9.54E-02	pCi/g		-0.05	4/16/05 12:15 p		200.0	GER12$1
						9.00E+00		-0.19			g	
EU-154	-3.82E-02	U	6.27E-02	6.27E-02	1.07E-01	pCi/g		-0.36	4/16/05 12:15 p		200.0	GER12$1
						7.00E+00		-(1.2)			g	
EU-155	3.09E-03	U	4.09E-02	4.09E-02	7.63E-02	pCi/g		0.04	4/16/05 12:15 p		200.0	GER12$1
						3.00E+02		0.15			g	
K-40	-1.07E-01	U	4.77E-01	4.77E-01	1.03E+00	pCi/g		-0.1	4/16/05 12:15 p		200.0	GER12$1
								-0.45			g	
MN-54	2.00E-02	U	2.11E-02	2.11E-02	4.37E-02	pCi/g		0.46	4/16/05 12:15 p		200.0	GER12$1
						2.00E+00		(1.9)			g	
NB-94	5.95E-03	U	2.12E-02	2.12E-02	4.08E-02	pCi/g		0.15	4/16/05 12:15 p		200.0	GER12$1
						3.00E-01		0.56			g	
PB-212	5.85E-03	U	2.85E-02	2.85E-02	5.21E-02	pCi/g		0.11	4/16/05 12:15 p		200.0	GER12$1
								0.41			g	
PB-214	-3.91E-02	U	4.39E-02	4.39E-02	7.57E-02	pCi/g		-0.52	4/16/05 12:15 p		200.0	GER12$1
								-(1.8)			g	
RA-226	-3.99E-02	U	5.63E-02	5.63E-02	9.44E-02	pCi/g		-0.42	4/16/05 12:15 p		200.0	GER12$1
								-(1.4)			g	
TL-208	9.91E-03	U	2.37E-02	2.37E-02	4.38E-02	pCi/g		0.23	4/16/05 12:15 p		200.0	GER12$1
								0.84			g	
Batch: 5105292	RICHRC5017			**Work Order:**	G8GHF1AA		**Report DB ID:**	G8GHF1AB				
AC-228	7.73E-03	U	6.88E-02	6.88E-02	1.32E-01	pCi/g		0.06	4/16/05 10:16 a		200.0	GER12$1
								0.22			g	

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V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM II

BLANK RESULTS

Date: 21-Apr-05

Lab Name: STL Richland

Matrix: SOLID

SDG: 28704

Report No. : 28635

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA ,	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
AG-108M	4.12E-03	U	1.72E-02	1.72E-02	3.19E-02	pCi/g		0.13	4/16/05 10:16 a		200.0	GER12$1
								0.48			g	
AM-241	5.04E-02	U	4.47E-02	4.47E-02	8.99E-02	pCi/g		0.56	4/16/05 10:16 a		200.0	GER12$1
								(2.3)			g	
BI-212	-1.09E-01	U	2.80E-01	2.80E-01	4.97E-01	pCi/g		-0.22	4/16/05 10:16 a		200.0	GER12$1
								-0.78			g	
BI-214	-1.56E-02	U	5.31E-02	5.31E-02	9.33E-02	pCi/g		-0.17	4/16/05 10:16 a		200.0	GER12$1
								-0.59			g	
CO-60	-2.60E-03	U	2.38E-02	2.38E-02	4.51E-02	pCi/g		-0.06	4/16/05 10:16 a		200.0	GER12$1
						3.00E+00		-0.22			g	
CS-134	2.41E-03	U	2.35E-02	2.35E-02	4.44E-02	pCi/g		0.05	4/16/05 10:16 a		200.0	GER12$1
						1.00E+01		0.2			g	
CS-137	1.57E-02	U	2.43E-02	2.43E-02	4.71E-02	pCi/g		0.33	4/16/05 10:16 a		200.0	GER12$1
						2.00E+01		(1.3)			g	
EU-152	-2.06E-02	U	5.35E-02	5.35E-02	9.39E-02	pCi/g		-0.22	4/16/05 10:16 a		200.0	GER12$1
						9.00E+00		-0.77			g	
EU-154	1.69E-02	U	7.10E-02	7.10E-02	1.41E-01	pCi/g		0.12	4/16/05 10:16 a		200.0	GER12$1
						7.00E+00		0.48			g	
EU-155	-1.39E-02	U	4.04E-02	4.04E-02	7.22E-02	pCi/g		-0.19	4/16/05 10:16 a		200.0	GER12$1
						3.00E+02		-0.69			g	
K-40	6.92E-02	U	5.06E-01	5.06E-01	1.09E+00	pCi/g		0.06	4/16/05 10:16 a		200.0	GER12$1
								0.27			g	
MN-54	-3.28E-03	U	1.87E-02	1.87E-02	3.42E-02	pCi/g		-0.1	4/16/05 10:16 a		200.0	GER12$1
						2.00E+00		-0.35			g	

STL Richland
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V4.12 A97

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U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II
BLANK RESULTS

Date: 21-Apr-05

Lab Name: STL Richland
Matrix: SOLID

SDG: 28704
Report No. : 28635

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA ,	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
NB-94	1.93E-02	U	2.34E-02	2.34E-02	4.71E-02	pCi/g		0.41	4/16/05 10:16 a		200.0	GER12$1
						3.00E-01		(1.6)			g	
PB-212	-5.22E-03	U	2.64E-02	2.64E-02	4.68E-02	pCi/g		-0.11	4/16/05 10:16 a		200.0	GER12$1
								-0.4			g	
PB-214	3.08E-02	U	5.65E-02	5.65E-02	9.03E-02	pCi/g		0.34	4/16/05 10:16 a		200.0	GER12$1
								(1.1)			g	
RA-226	-1.56E-02	U	5.31E-02	5.31E-02	9.33E-02	pCi/g		-0.17	4/16/05 10:16 a		200.0	GER12$1
								-0.59			g	
TL-208	1.42E-02	U	2.42E-02	2.42E-02	4.55E-02	pCi/g		0.31	4/16/05 10:16 a		200.0	GER12$1
								(1.2)			g	
Batch: 5105297	RICHRC5017			**Work Order:**	G8GHT1AA		**Report DB ID:**	G8GHT1AB				
AC-228	-3.28E-02	U	7.56E-02	7.56E-02	1.32E-01	pCi/g		-0.25	4/18/05 09:32 a		200.0	GER12$1
								-0.87			g	
AG-108M	-1.67E-02	U	1.84E-02	1.84E-02	2.96E-02	pCi/g		-0.56	4/18/05 09:32 a		200.0	GER12$1
								-(1.8)			g	
AM-241	1.71E-02	U	4.43E-02	4.43E-02	8.34E-02	pCi/g		0.2	4/18/05 09:32 a		200.0	GER12$1
								0.77			g	
BI-212	1.28E-01	U	2.79E-01	2.79E-01	5.46E-01	pCi/g		0.23	4/18/05 09:32 a		200.0	GER12$1
								0.92			g	
BI-214	1.51E-02	U	4.84E-02	4.84E-02	9.13E-02	pCi/g		0.17	4/18/05 09:32 a		200.0	GER12$1
								0.63			g	
CO-60	6.87E-03	U	2.09E-02	2.09E-02	4.35E-02	pCi/g		0.16	4/18/05 09:32 a		200.0	GER12$1
						1.50E-01		0.66			g	
CS-134	-3.91E-03	U	2.00E-02	2.00E-02	3.71E-02	pCi/g		-0.11	4/18/05 09:32 a		200.0	GER12$1
						1.80E-01		-0.39			g	

STL Richland
rptSTLRchBlank
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

BLANK RESULTS

Date: 21-Apr-05

Lab Name: STL Richland **SDG:** 28704

Matrix: SOLID **Report No. :** 28635

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA ,	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	6.46E-03	U	2.05E-02	2.05E-02	3.96E-02	pCi/g		0.16	4/18/05 09:32 a		200.0	GER12$1
						3.00E-01		0.63			g	
EU-152	-3.91E-02	U	4.98E-02	4.98E-02	7.95E-02	pCi/g		-0.49	4/18/05 09:32 a		200.0	GER12$1
						4.00E-01		-(1.6)			g	
EU-154	-4.26E-02	U	7.00E-02	7.00E-02	1.18E-01	pCi/g		-0.36	4/18/05 09:32 a		200.0	GER12$1
						3.50E-01		-(1.2)			g	
EU-155	-1.64E-02	U	4.17E-02	4.17E-02	7.36E-02	pCi/g		-0.22	4/18/05 09:32 a		200.0	GER12$1
						1.50E+01		-0.78			g	
K-40	-3.47E-02	U	4.71E-01	4.71E-01	1.03E+00	pCi/g		-0.03	4/18/05 09:32 a		200.0	GER12$1
								-0.15			g	
MN-54	1.46E-02	U	2.02E-02	2.02E-02	4.14E-02	pCi/g		0.35	4/18/05 09:32 a		200.0	GER12$1
						6.50E-01		(1.4)			g	
NB-94	-8.58E-03	U	1.99E-02	1.99E-02	3.49E-02	pCi/g		-0.25	4/18/05 09:32 a		200.0	GER12$1
						2.50E-01		-0.86			g	
PB-212	1.78E-02	U	2.79E-02	2.79E-02	5.31E-02	pCi/g		0.33	4/18/05 09:32 a		200.0	GER12$1
								(1.3)			g	
PB-214	-1.86E-02	U	4.60E-02	4.60E-02	7.87E-02	pCi/g		-0.24	4/18/05 09:32 a		200.0	GER12$1
								-0.81			g	
RA-226	1.27E-02	U	4.87E-02	4.87E-02	9.14E-02	pCi/g		0.14	4/18/05 09:32 a		200.0	GER12$1
								0.52			g	
TL-208	6.95E-03	U	2.00E-02	2.00E-02	3.87E-02	pCi/g		0.18	4/18/05 09:32 a		200.0	GER12$1
								0.7			g	
Batch: 5105267	RICHRC5006			**Work Order:**	G8GCJ1AA		**Report DB ID:**	G8GCJ1AB				
STRONTIUM	2.42E-03	U	8.08E-03	8.11E-03	1.62E-02	pCi/g	89%	0.15	4/20/05 09:53 a		25.0	GPC32A
					7.82E-03	1.00E-02		0.6			G	

STL Richland
rptSTLRchBlank
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II
BLANK RESULTS

Date: 21-Apr-05

Lab Name: STL Richland
Matrix: SOLID

SDG: 28704
Report No. : 28635

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA ,	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
CS-137	6.46E-03	U	2.05E-02	2.05E-02	3.96E-02	pCi/g		0.16	4/18/05 09:32 a		200.0	GER12$1
						3.00E-01		0.63			g	
EU-152	-3.91E-02	U	4.98E-02	4.98E-02	7.95E-02	pCi/g		-0.49	4/18/05 09:32 a		200.0	GER12$1
						4.00E-01		-(1.6)			g	
EU-154	-4.26E-02	U	7.00E-02	7.00E-02	1.18E-01	pCi/g		-0.36	4/18/05 09:32 a		200.0	GER12$1
						3.50E-01		-(1.2)			g	
EU-155	-1.64E-02	U	4.17E-02	4.17E-02	7.36E-02	pCi/g		-0.22	4/18/05 09:32 a		200.0	GER12$1
						1.50E+01		-0.78			g	
K-40	-3.47E-02	U	4.71E-01	4.71E-01	1.03E+00	pCi/g		-0.03	4/18/05 09:32 a		200.0	GER12$1
								-0.15			g	
MN-54	1.46E-02	U	2.02E-02	2.02E-02	4.14E-02	pCi/g		0.35	4/18/05 09:32 a		200.0	GER12$1
						6.50E-01		(1.4)			g	
NB-94	-8.58E-03	U	1.99E-02	1.99E-02	3.49E-02	pCi/g		-0.25	4/18/05 09:32 a		200.0	GER12$1
						2.50E-01		-0.86			g	
PB-212	1.78E-02	U	2.79E-02	2.79E-02	5.31E-02	pCi/g		0.33	4/18/05 09:32 a		200.0	GER12$1
								(1.3)			g	
PB-214	-1.86E-02	U	4.60E-02	4.60E-02	7.87E-02	pCi/g		-0.24	4/18/05 09:32 a		200.0	GER12$1
								-0.81			g	
RA-226	1.27E-02	U	4.87E-02	4.87E-02	9.14E-02	pCi/g		0.14	4/18/05 09:32 a		200.0	GER12$1
								0.52			g	
TL-208	6.95E-03	U	2.00E-02	2.00E-02	3.87E-02	pCi/g		0.18	4/18/05 09:32 a		200.0	GER12$1
								0.7			g	
Batch: 5105267	RICHRC5006			Work Order:	G8GCJ1AA		Report DB ID:	G8GCJ1AB				
STRONTIUM	2.42E-03	U	8.08E-03	8.11E-03	1.62E-02	pCi/g	89%	0.15	4/20/05 09:53 a		25.0	GPC32A
					7.82E-03	1.00E-02		0.6			G	

STL Richland
rptSTLRchBlank
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

BLANK RESULTS

Date: 21-Apr-05

Lab Name: STL Richland

Matrix: SOLID

SDG: 28704

Report No. : 28635

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA ,	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5105271	RICHRC5006			**Work Order:**	G8GC11AA		**Report DB ID:**	G8GC11AB				
STRONTIUM	-6.21E-04	U	7.46E-03	7.47E-03	1.53E-02	pCi/g	91%	-0.04	4/20/05 01:53 p		25.0	GPC32A
					7.37E-03	1.00E-02		-0.17			G	
Batch: 5105275	RICHRC5006			**Work Order:**	G8GDD1AA		**Report DB ID:**	G8GDD1AB				
STRONTIUM	-5.18E-04	U	7.08E-03	7.08E-03	1.45E-02	pCi/g	92%	-0.04	4/20/05 05:31 p		25.0	GPC28C
					6.99E-03	1.00E-02		-0.15			G	

No. of Results: 60 **Comments:**

STL Richland
rptSTLRchBlank
V4.12 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

LCS RESULTS

Date: 21-Apr-05

Lab Name: STL Richland

Matrix: SOLID

SDG: 28704

Report No. : 28635

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA	Report Unit	Yield	Expected	Expected Uncert	Recovery, Bias	Analysis, Prep Date	Aliquot Size	Primary Detector
Batch: 5105278	RICHRC5037			**Work Order:**	G8GDP1AC		**Report DB ID:**	G8GDP1CS					
H-3	1.19E+00		2.06E-01	2.18E-01	3.50E-01	pCi/g	100%	1.36E+00	4.55E-02	87%	4/18/05 07:15 p	10.0	LSC3
							Rec Limits:	70	130	-0.1		G	
Batch: 5105284	RICHRC5037			**Work Order:**	G8GFG1AC		**Report DB ID:**	G8GFG1CS					
H-3	5.54E+00		2.67E-01	3.27E-01	2.16E-01	pCi/g	100%	6.81E+00	2.27E-01	81%	4/19/05 09:28 p	10.0	LSC8
							Rec Limits:	70	130	-0.2		G	
Batch: 5105287	RICHRC5037			**Work Order:**	G8GF01AC		**Report DB ID:**	G8GF01CS					
H-3	6.26E+00		3.71E-01	4.26E-01	3.32E-01	pCi/g	100%	6.82E+00	2.27E-01	92%	4/20/05 08:48 p	10.0	LSC3
							Rec Limits:	70	130	-0.1		G	
Batch: 5105290	RICHRC5017			**Work Order:**	G8GGE1AC		**Report DB ID:**	G8GGE1CS					
CS-137	1.14E+00		1.63E-01	1.63E-01	4.52E-02	pCi/g		1.02E+00	2.07E-02	112%	4/18/05 06:06 a	200.0	GER12$1
							Rec Limits:	70	130	0.1		g	
Batch: 5105292	RICHRC5017			**Work Order:**	G8GHF1AC		**Report DB ID:**	G8GHF1CS					
CS-137	1.13E+00		1.77E-01	1.77E-01	5.52E-02	pCi/g		1.02E+00	2.07E-02	111%	4/16/05 12:10 p	200.0	GER8$1
							Rec Limits:	70	130	0.1		g	
Batch: 5105297	RICHRC5017			**Work Order:**	G8GHT1AC		**Report DB ID:**	G8GHT1CS					
CS-137	1.17E+00		1.88E-01	1.88E-01	6.51E-02	pCi/g		1.02E+00	2.08E-02	115%	4/18/05 04:59 p	200.0	GER7$1
							Rec Limits:	70	130	0.1		g	
Batch: 5105267	RICHRC5006			**Work Order:**	G8GCJ1AC		**Report DB ID:**	G8GCJ1CS					
STRONTIUM	2.48E-01		1.64E-02	6.85E-02	1.55E-02	pCi/g	87%	2.72E-01	3.22E-03	91%	4/20/05 09:53 a	25.0	GPC32B
							Rec Limits:	20	115	-0.1		G	
Batch: 5105271	RICHRC5006			**Work Order:**	G8GC11AC		**Report DB ID:**	G8GC11CS					

STL Richland **Bias** - (Result/Expected)-1 as defined by ANSI N13.30.

rptSTLRchLcs
V4.12 A97

FORM II

LCS RESULTS

Date: 21-Apr-05

Lab Name: STL Richland

SDG: 28704

Matrix: SOLID

Report No. : 28635

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC | MDA	Report Unit	Yield	Expected	Expected Uncert	Recovery, Bias	Analysis, Prep Date	Aliquot Size	Primary Detector
STRONTIUM	2.46E-01		1.73E-02	6.80E-02	1.70E-02	pCi/g	74%	2.72E-01	3.21E-03	90%	4/20/05 01:53 p	25.0	GPC32B
							Rec Limits:	20	115	-0.1		G	
Batch: 5105275	RICHRC5006			**Work Order:**	G8GDD1AC		**Report DB ID:**	G8GDD1CS					
STRONTIUM	2.55E-01		1.61E-02	6.82E-02	1.43E-02	pCi/g	91%	2.73E-01	3.23E-03	94%	4/20/05 05:31 p	25.0	GPC28D
							Rec Limits:	20	115	-0.1		G	

No. of Results: 9 **Comments:**

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2005-00136

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Severn Trent Labs-Richland
2800 George Washington Way
Richland, WA 99352
Attn: Jackie Waddell (509-375-3131)

Priority: ☐ 30 D. ☐ 15 D. ☒ 7 D.
Other:

Lab Use Only
Comments:
TRK# 7910 4009 8772

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size- &Type Code	CHGAM	H-3	Sr-90				Comment, Preservation	Lab Sample ID
3107-0000-194-C-1C-01	4/7/05	1350	CT	CR	BP	X	X	X					
3107-0000-194-C-1C-02	4/7/05	1350	CT	CR	BP	X	X	X					
3107-0000-194-C-1C-03	4/7/05	1350	CT	CR	BP	X	X	X					
3107-0000-194-C-1C-04	4/7/05	1350	CT	CR	BP	X	X	X					
3107-0000-194-C-1C-05	4/7/05	1350	CT	CR	BP	X	X	X					
3107-0000-194-C-2C-06	4/7/05	1410	CT	CR	BP	X	X	X					
3107-0000-195-C-1C-01	4/7/05	1110	CT	CR	BP	X	X	X					
3107-0000-195-C-1C-02	4/7/05	1110	CT	CR	BP	X	X	X					
3107-0000-195-C-1C-03	4/7/05	1110	CT	CR	BP	X	X	X					
3107-0000-195-C-1C-04	4/7/05	1110	CT	CR	BP	X	X	X					

NOTES: PO #: ~~002092~~ 002133 MSR #: 05-1144 ☒ LTP QA ☐ Radwaste QA ☐ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
Bill of Lading #

Internal Container Temp.: ____ Deg. C
Custody Sealed? Y ☐ N ☐
Custody Seal Intact? Y ☐ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
D Johnson	4-14-05/1320	[illegible]	4-15-05/1000
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

STT. RTCHLAND

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2005-00137

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Severn Trent Labs-Richland
2800 George Washington Way
Richland, WA 99352
Attn: Jackie Waddell (509-375-3131)

Priority: ☐ 30 D. ☐ 15 D. ☒ 7 D.
Other:

Lab Use Only
Comments:
TRK# 7910 4009 8772

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size- &Type Code	CHGAM	H-3	Sr-90				Comment, Preservation	Lab Sample ID
3107-0000-195-C-2C-05	4/7/05	1135	CT	CR	BP	X	X	X					
3107-0000-195-C-2C-06	4/7/05	1135	CT	CR	BP	X	X	X					
3107-0000-196-C-1C-01	4/5/05	1550	CT	CR	BP	X	X	X					
3107-0000-196-C-1C-02	4/5/05	1550	CT	CR	BP	X	X	X					
3107-0000-196-C-1C-03	4/5/05	1550	CT	CR	BP	X	X	X					
3107-0000-196-C-2C-04	4/6/05	1015	CT	CR	BP	X	X	X					
3107-0000-196-C-2C-05	4/6/05	1015	CT	CR	BP	X	X	X					
3107-0000-196-C-2C-06	4/6/05	1015	CT	CR	BP	X	X	X					
3107-0000-197-C-1C-01	4/6/05	1450	CT	CR	BP	X	X	X					
3107-0000-197-C-1C-02	4/6/05	1450	CT	CR	BP	X	X	X				REBAR	

NOTES: PO #: ~~002092~~ 002133 MSR #: 05-1144 ☒ LTP QA ☐ Radwaste QA ☐ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
Bill of Lading #

Internal Container Temp.: ____ Deg. C
Custody Sealed? Y ☐ N ☐
Custody Seal Intact? Y ☐ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
[signature]	4-14-05/1320	[signature]	4-15-05 1000
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2005-00138

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Severn Trent Labs-Richland
2800 George Washington Way
Richland, WA 99352
Attn: Jackie Waddell (509-375-3131)

Priority: ☐ 30 D. ☐ 15 D. ☒ 7 D.
Other:

Lab Use Only
Comments:
TRK # 7910 4009 8772

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size- &Type Code	CHGAM	H-3	Sr-90				Comment, Preservation	Lab Sample ID
3107-0000-197-C-1C-03	4/6/05	1450	CT	CR	BP	X	X	X					
3107-0000-197-C-1C-04	4/6/05	1450	CT	CR	BP	X	X	X					
3107-0000-197-C-1C-05	4/6/05	1450	CT	CR	BP	X	X	X					
3107-0000-197-C-1C-06	4/6/05	1450	CT	CR	BP	X	X	X				REBAR	
3107-0000-198-C-1C-01	4/6/05	1515	CT	CR	BP	X	X	X					
3107-0000-198-C-1C-02	4/6/05	1515	CT	CR	BP	X	X	X				REBAR	
3107-0000-198-C-1C-03	4/6/05	1515	CT	CR	BP	X	X	X					
3107-0000-198-C-1C-04	4/6/05	1515	CT	CR	BP	X	X	X					
3107-0000-198-C-1C-05	4/6/05	1515	CT	CR	BP	X	X	X					
3107-0000-198-C-1C-06	4/6/05	1515	CT	CR	BP	X	X	X					

NOTES: PO #: ~~002092~~ 002133 MSR #: 05-1144 ☒ LTP QA ☐ Radwaste QA ☐ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
Bill of Lading #

Internal Container Temp.: ____ Deg. C
Custody Sealed? Y ☐ N ☐
Custody Seal Intact? Y ☐ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
[signature]	4-14-05/1320	[signature]	4-15-05 1000
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2005-00139

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Severn Trent Labs-Richland
2800 George Washington Way
Richland, WA 99352
Attn: Jackie Waddell (509-375-3131)

Priority: ☐ 30 D. ☐ 15 D. ☒ 7 D.
Other:

Lab Use Only
Comments:
TRK # 7910 4009 8772

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size- &Type Code	CHGAM	H-3	Sr-90				Comment, Preservation	Lab Sample ID
3107-0000-199-C-1C-01	4/5/05	1400	CT	CR	BP	X	X	X					
3107-0000-199-C-1C-02	4/5/05	1400	CT	CR	BP	X	X	X					
3107-0000-199-C-1C-03	4/5/05	1400	CT	CR	BP	X	X	X					
3107-0000-199-C-1C-04	4/5/05	1400	CT	CR	BP	X	X	X					
3107-0000-199-C-1C-05	4/5/05	1400	CT	CR	BP	X	X	X					
3107-0000-199-C-2C-06	4/5/05	1410	CT	CR	BP	X	X	X					

NOTES: PO #: ~~002092~~ 002133 MSR #: 05-1144 ☒ LTP QA ☐ Radwaste QA ☐ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
Bill of Lading #

Internal Container Temp.: ____ Deg. C
Custody Sealed? Y ☐ N ☐
Custody Seal Intact? Y ☐ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
[illegible]	7-14-05/1320	[illegible]	4-15-05 1000
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2005-00139

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Severn Trent Labs-Richland
2800 George Washington Way
Richland, WA 99352
Attn: Jackie Waddell (509-375-3131)

Priority: ☐ 30 D. ☐ 15 D. ☒ 7 D.
Other:

Lab Use Only
Comments:
TRK # 7910 4009 8772

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size- &Type Code	CHGAM	H-3	Sr-90				Comment, Preservation	Lab Sample ID
3107-0000-199-C-1C-01	4/5/05	1400	CT	CR	BP	X	X	X					
3107-0000-199-C-1C-02	4/5/05	1400	CT	CR	BP	X	X	X					
3107-0000-199-C-1C-03	4/5/05	1400	CT	CR	BP	X	X	X					
3107-0000-199-C-1C-04	4/5/05	1400	CT	CR	BP	X	X	X					
3107-0000-199-C-1C-05	4/5/05	1400	CT	CR	BP	X	X	X					
3107-0000-199-C-2C-06	4/5/05	1410	CT	CR	BP	X	X	X					

NOTES: PO #: ~~002092~~ 002133 MSR #: 05-1144 ☒ LTP QA ☐ Radwaste QA ☐ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
Bill of Lading #

Internal Container Temp.: ____ Deg. C
Custody Sealed? Y ☐ N ☐
Custody Seal Intact? Y ☐ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
[illegible]	7-14-05/1320	[illegible]	4-15-05 0700
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Chain of Custody Form

No. 2005-00140

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Severn Trent Labs-Richland
2800 George Washington Way
Richland, WA 99352
Attn: Jackie Waddell (509-375-3131)

Priority: ☐ 30 D. ☐ 15 D. ☒ 7 D.
Other:

Lab Use Only
Comments:
JRK # 7910 4009 8772

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size- &Type Code	CHGAM	H-3	Sr-90				Comment, Preservation..	Lab Sample ID
9801-0000-030-RA-01	4/11/05	1010	B	CR	BP	X	X	X					
9801-0000-031-RA-01	4/11/05	1340	B	CR	BP	X	X	X					
9801-0000-032-RA-01	4/11/05	1515	B	CR	BP	X	X	X					
9801-0000-033-RA-01	4/12/05	1005	B	CR	BP	X	X	X					
9801-0000-034-RA-01	4/12/05	1325	B	CR	BP	X	X	X					
9801-0000-040-RA-01	4/13/05	1012	B	CR	BP	X	X	X				ORISE SAMPLE #6	
9801-0000-039-RA	4/12/05	0819	TS	G	BP	X	X	X					

NOTES: PO #: ~~002092~~ 002133 MSR #: 05-1144 ☒ LTP QA ☐ Radwaste QA ☐ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
Bill of Lading #

Internal Container Temp.: ____ Deg. C
Custody Sealed? Y ☐ N ☐
Custody Seal Intact? Y ☐ N ☐

1) Relinquished By [signature] Date/Time 7-14-05/1320	2) Received By [signature] Date/Time 4-15-05 1000
3) Relinquished By Date/Time	4) Received By Date/Time
5) Relinquished By Date/Time	6) Received By Date/Time

Attachment 5.4

Sample Notification Sheet

To: Jackie Waddell

From: Pete Hollenbach

Telephone #: 860-267-3923

Date: 4/14/05

Please be advised that the samples in this package may contain trace amounts of radioactive material that has been determined to be below the Department of Transportation (DOT) requirement to be regulated in commerce. Please handle them with standard laboratory practices.

Signature: P Hollenbach

SEVERN TRENT STL

Sample Check-in List

Date/Time Received: 4-15 1000

Client: CYA SDG #: _____ NA [ ] SAF #: _____ NA [✓]

Work Order Number: _____ Chain of Custody # Na

Shipping Container ID: Na Air Bill # Na

1. Custody Seals on shipping container intact? NA [ ] Yes [ ] No [✓]
2. Custody Seals dated and signed? NA [ ] Yes [ ] No [✓]
3. Chain of Custody record present? Yes [✓] No [ ]
4. Cooler temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 43
7. Sample holding times exceeded? NA [ ] Yes [ ] No [✓]
8. Samples have:
   _____tape
   _____custody seals
   ✓ hazard labels
   ✓ appropriate samples labels
9. Samples are:
   ✓ in good condition
   _____broken
   _____leaking
   _____have air bubbles
   (Only for samples requiring head space)
10. Sample pH taken? NA [✓] pH<2 [ ] pH>2 [ ] pH>9 [ ]
11. Sample Location, Sample Collector Listed? * Yes [ ] No [✓]
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: Heidelberg Date: 4-15-05

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

LS-023, 9/03, Rev. 5

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GENERAL NARRATIVE

CASE NARRATIVE
FOR
CONNECTICUT YANKEE
RE: Soil and Concrete
PO# 002337
Work Order: 126304

December 8, 2004

Laboratory Identification:
General Engineering Laboratories, LLC

Mailing Address:
P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:
2040 Savage Road
Charleston, South Carolina 29407

Telephone Number:
(843) 556-8171

Summary:

Sample receipt
The samples arrived at General Engineering Laboratories, LLC, (GEL) in Charleston, South Carolina November 26,2004. All sample containers arrived without any visible signs of tampering or breakage. The chain of custody contained the proper documentation and signatures except in items of note located below.

The laboratory prepared the following sample:

Sample ID	Client Sample ID
126304001	5000-0000-103-SI
126304002	5000-0000-104-SP
126304003	5000-0000-104-SI
126304004	5000-0000-105-SP
126304005	5000-0000-105-SI
126304006	5000-0000-106-SP
126304007	9312-0003-107-S
126304008	9312-0003-108-S
126304009	9312-0003-109-S
126304010	9312-0003-110-S
126304011	9312-0003-111-S
126304012	9312-0003-112-S
126304013	3107-0000-192-SI
126304014	3107-0000-192-SP

126304015	3107-0000-193-SI
126304016	3107-0000-193-SP
126304017	5000-0000-103-C-1C-01
126304018	5000-0000-104-C-1C-01
126304019	5000-0000-105-C-1C-01
126304020	5000-0000-106-C-1C-01
126304021	3107-0000-192-C-1C-01
126304022	3107-0000-193-C-1C-01
126304023	5000-0000-103-C-1C-02
126304024	5000-0000-103-C-2C-01
126304025	5000-0000-103-C-3C-03
126304026	5000-0000-103-C-3C-04
126304027	5000-0000-104-C-1C-02
126304028	5000-0000-104-C-2C-01
126304029	5000-0000-104-C-3C-03
126304030	5000-0000-104-C-3C-04
126304031	5000-0000-105-C-1C-02
126304032	5000-0000-105-C-3C-01
126304033	5000-0000-105-C-4C-03
126304034	5000-0000-105-C-4C-04
126304035	5000-0000-106-C-1C-02
126304036	5000-0000-106-C-3C-01
126304037	5000-0000-106-C-4C-03
126304038	5000-0000-106-C-4C-04
126304039	3107-0000-192-C-1C-02
126304040	3107-0000-192-C-2C-03
126304041	3107-0000-192-C-2C-04
126304042	3107-0000-193-C-1C-02
126304043	3107-0000-193-C-2C-03
126304044	3107-0000-193-C-2C-04
126304045	5000-0000-103-C-1C-01
126304046	5000-0000-104-C-1C-01
126304047	5000-0000-105-C-1C-01
126304048	5000-0000-106-C-1C-01
126304049	3107-0000-192-C-1C-01
126304050	3107-0000-193-C-1C-01

Items of Note:

There are not any items to note.

Case Narrative:

Sample analyses were conducted using methodology as outlined in General Engineering Laboratories (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are listed below by analytical parameter.

Analytical Request:

Sixteen soil samples were analyzed for CHGAM, H-3, and Sr-90. Twenty-two samples were analyzed for CHGAM, H-3, and Sr-90. One concrete sample was analyzed for CHALL.

Internal Chain of Custody:

Custody was maintained for all of these samples.

Data Package:

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Laboratory Certifications, and Radiochemistry.

I certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

Cheryl Jones
Project Manager

CHAIN OF CUSTODY

126304 1.

Chain of Custody Form

No. 2004-00272

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407 ATT: Cheryl Jones

Priority: ☐ 30 D. ☐ 15 D. ☒ 7 D.
Other:

Lab Use Only
Comments: 94/65

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	Sr-90	CHALL			Comment, Preservation	Lab Sample ID
5000-0000-103-SI	11/17/04	1035	TS	G	BP	X	X	X					
5000-0000-104-SP	11/17/04	1040	TS	G	BP	X	X	X					
5000-0000-104-SI	11/17/04	1343	TS	G	BP	X	X	X					
5000-0000-105-SP	11/17/04	1300	TS	G	BP	X	X	X					
5000-0000-105-SI	11/17/04	1510	TS	G	BP	X	X	X					
5000-0000-106-SP	11/17/04	1325	TS	G	BP	X	X	X					
9312-0003-107-S	11/17/04	1310	TS	G	BP	X	X	X					
9312-0003-108-S	11/17/04	1334	TS	G	BP	X	X	X					
9312-0003-109-S	11/17/04	1330	TS	G	BP	X	X	X					
9312-0003-110-S	11/17/04	1315	TS	G	BP	X	X	X					

NOTES: PO #: 002337 MSR #: 04-3908 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7913 9801 1270
Bill of Lading #

Internal Container Temp.: 16 Deg. C

Custody Sealed? Y ☑ N ☐

Custody Seal Intact? Y ☑ N ☐

1) Relinquished By: John J. DiGiovanni Date/Time: 11/24/04 0900	2) Received By: [illegible] Date/Time: 11/24/04 1000
3) Relinquished By Date/Time:	4) Received By Date/Time:
5) Relinquished By Date/Time:	6) Received By Date/Time:

126303% 126304%

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2004-00273

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407 ATT: Cheryl Jones

Priority: ☐ 30 D. ☐ 15 D. ☒ 7 D.
Other:

Lab Use Only
Comments: ~~94 lbs~~ 40 lbs
* in this package

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	Sr-90	CHALL			Comment, Preservation	Lab Sample ID
9312-0003-111-S	11/17/04	1338	TS	G	BP	X	X	X					
9312-0003-112-S	11/17/04	1325	TS	G	BP	X	X	X					
3107-0000-192-SI	11/18/04	0834	TS	G	BP	X	X	X					
3107-0000-192-SP	11/17/04	1320	TS	G	BP	X	X	X					
3107-0000-193-SI	11/18/04	1015	TS	G	BP	X	X	X					
3107-0000-193-SP	11/17/04	1305	TS	G	BP	X	X	X					
3101-0000-176-B01-01 *	11/15/04	1540	B	C	BP	X	X	X					
3101-0000-176-B01-02 *	11/15/04	1540	B	C	BP	X	X	X					
3101-0000-178-B01-01 *	10/20/04	1110	B	C	BP	X	X	X					

NOTES: PO #: 002337 MSR #: 04-3908 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

NOTE: * BEDROCK SAMPLES HAVE A ***30 DAY*** TAT.

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7903 4760 8663
Bill of Lading #

Internal Container Temp.: 16 Deg. C
Custody Sealed? Y ☑ N ☐
Custody Seal Intact? Y ☑ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
[signature]	11/24/04 0900	[signature]	11/26/04 1000
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

7

126304 1/.

Chain of Custody Form

No. 2004-00274

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407 ATT: Cheryl Jones

Priority: ☐ 30 D. ☐ 15 D. ☒ 7 D.
Other:

Lab Use Only
Comments:
40 lbs

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	Sr-90	CHALL			Comment, Preservation	Lab Sample ID
5000-0000-103-C-1C-01	11/17/04	1006	CR	C	BP				X				
5000-0000-104-C-1C-01	11/17/04	1100	CR	C	BP				X				
5000-0000-105-C-1C-01	11/17/04	1400	CR	C	BP				X				
5000-0000-106-C-1C-01	11/18/04	1138	CR	C	BP				X				
3107-0000-192-C-1C-01	11/18/04	0818	CR	C	BP				X				
3107-0000-193-C-1C-01	11/17/04	1000	CR	C	BP				X				
5000-0000-103-C-1C-02	11/17/04	1006	CR	C	BP	X	X	X					
5000-0000-103-C-2C-01	11/17/04	1020	CR	C	BP	X	X	X					
5000-0000-103-C-3C-03	11/17/04	1030	CR	C	BP	X	X	X					
5000-0000-103-C-3C-04	11/17/04	1030	CR	C	BP	X	X	X					

NOTES: PO #: 002337 MSR #: 04-3908 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7903 4760 8663
Bill of Lading #

Internal Container Temp.: 16 Deg. C

Custody Sealed? Y ☑ N ☐

Custody Seal Intact? Y ☑ N ☐

1) Relinquished By [signature] Date/Time 11/24/04 0900	2) Received By [signature] Date/Time 11/24/04 1000
3) Relinquished By Date/Time	4) Received By Date/Time
5) Relinquished By Date/Time	6) Received By Date/Time

126 304'/

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2004-00275

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407 ATT: Cheryl Jones

Priority: ☐ 30 D. ☐ 15 D. ☒ 7 D.
Other:

Lab Use Only
Comments:
40 lbs

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	Sr-90	CHALL			Comment, Preservation	Lab Sample ID
5000-0000-104-C-1C-02	11/17/04	1100	CR	C	BP	X	X	X					
5000-0000-104-C-2C-01	11/17/04	1330	CR	C	BP	X	X	X					
5000-0000-104-C-3C-03	11/17/04	1340	CR	C	BP	X	X	X					
5000-0000-104-C-3C-04	11/17/04	1340	CR	C	BP	X	X	X					
5000-0000-105-C-1C-02	11/17/04	1400	CR	C	BP	X	X	X					
5000-0000-105-C-3C-01	11/17/04	1440	CR	C	BP	X	X	X					
5000-0000-105-C-4C-03	11/17/04	1500	CR	C	BP	X	X	X					
5000-0000-105-C-4C-04	11/17/04	1500	CR	C	BP	X	X	X					
5000-0000-106-C-1C-02	11/18/04	1138	CR	C	BP	X	X	X					
5000-0000-106-C-3C-01	11/18/04	1207	CR	C	BP	X	X	X					

NOTES: PO #: 002337 MSR #: 04-3908 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7903 4760 8663
Bill of Lading #

Internal Container Temp.: 16 Deg. C

Custody Sealed? Y ☑ N ☐
Custody Seal Intact? Y ☑ N ☐

1) Relinquished By [signature] Date/Time 11/24/04 0900	2) Received By [signature] Date/Time 11/24/04 1000
3) Relinquished By Date/Time	4) Received By Date/Time
5) Relinquished By Date/Time	6) Received By Date/Time

Chain of Custody Form

No. 2004-00276

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407 ATT: Cheryl Jones

Priority: ☐ 30 D. ☐ 15 D. ☒ 7 D.
Other:

Lab Use Only
Comments:
40 lbs

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	Sr-90				Comment, Preservation	Lab Sample ID
5000-0000-106-C-4C-03	11/18/04	1225	CR	C	BP	X	X	X					
5000-0000-106-C-4C-04	11/18/04	1225	CR	C	BP	X	X	X					
3107-0000-192-C-1C-02	11/18/04	0818	CR	C	BP	X	X	X					
3107-0000-192-C-2C-03	11/18/04	0830	CR	C	BP	X	X	X					
3107-0000-192-C-2C-04	11/18/04	0830	CR	C	BP	X	X	X					
3107-0000-193-C-1C-02	11/17/04	1000	CR	C	BP	X	X	X					
3107-0000-193-C-2C-03	11/17/04	1012	CR	C	BP	X	X	X					
3107-0000-193-C-2C-04	11/17/04	1012	CR	C	BP	X	X	X					

NOTES: PO #: 002337 MSR #: 04-3908 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7903 4760 8663
Bill of Lading #

Internal Container Temp.: 16 Deg. C
Custody Sealed? Y ☑ N ☐
Custody Seal Intact? ✓ Y ☐ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
John J. DeGeter	11/24/04 0900	[illegible]	11/26/04 1600
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

COOLER RECEIPT CHECKLIST

Figure 1. Sample Check-in List

Date/Time Received: 11/26/04 1000

SDG#: MSR# 04-3908

Work Order Number: 126304'/.

Shipping Container ID: 7913 9801 1270 7903 4760 8663 Chain of Custody # 2004-00272 thru 00276

1. Custody Seals on shipping container intact? Yes [✓] No [ ]
2. Custody Seals dated and signed? Yes [✓] No [ ]
3. Chain-of-Custody record present? Yes [✓] No [ ]
4. Cooler temperature 16.0C
5. Vermiculite/packing materials is: Wet [ ] Dry [ ] N/A
6. Number of samples in shipping container: 47
7. Sample holding times exceeded? Yes [ ] No [✓]

8. Samples have:

✓ tape ____ hazard labels

✓ custody seals ✓ appropriate sample labels

9. Samples are:

✓ in good condition ____ leaking

____ broken ____ have air bubbles

10. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
11. Description of anomalies (include sample numbers): _____

Sample Custodian/Laboratory: [signature] Date: 11.26.04 1000

Telephoned to: _____ On _____ By _____

RADIOLOGICAL ANALYSIS

Radiochemistry Case Narrative
Connecticut Yankee Atomic Power Co. (YANK)
SDG MSR#04-3908

Method/Analysis Information

Product:	**Alphaspec Am241, Cm, Solid-TRU2,ALL2 (CT)**
Analytical Method:	DOE EML HASL-300, Am-05-RC Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	384469
Prep Batch Number:	384228
Dry Soil Prep GL-RAD-A-021 Batch Number:	384227

Sample ID	Client ID
126304045	5000-0000-103-C-1C-01
126304046	5000-0000-104-C-1C-01
126304047	5000-0000-105-C-1C-01
126304048	5000-0000-106-C-1C-01
126304049	3107-0000-192-C-1C-01
126304050	3107-0000-193-C-1C-01
1200748002	Method Blank (MB)
1200748005	Laboratory Control Sample (LCS)
1200748003	126304045(5000-0000-103-C-1C-01) Sample Duplicate (DUP)
1200748004	126304045(5000-0000-103-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-011 REV# 13.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304045 (5000-0000-103-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time

All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Manual Integration
No manual integrations were performed on data in this batch.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Alphaspec Pu, Solid-TRU2,ALL2 (CT)**
Analytical Method:	DOE EML HASL-300, Pu-11-RC Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	384470
Prep Batch Number:	384228
Dry Soil Prep GL-RAD-A-021 Batch Number:	384227

Sample ID	Client ID
126304045	5000-0000-103-C-1C-01
126304046	5000-0000-104-C-1C-01
126304047	5000-0000-105-C-1C-01
126304048	5000-0000-106-C-1C-01
126304049	3107-0000-192-C-1C-01
126304050	3107-0000-193-C-1C-01
1200748006	Method Blank (MB)
1200748009	Laboratory Control Sample (LCS)
1200748007	126304045(5000-0000-103-C-1C-01) Sample Duplicate (DUP)
1200748008	126304045(5000-0000-103-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-011 REV# 13.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry

All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304045 (5000-0000-103-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Sample 1200748009 (LCS) was recounted due to a peak shift.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Manual Integration
Manual integration of alpha spectroscopy spectrum 126304050 (3107-0000-193-C-1C-01) was performed to fully separate counts in Regions of Interest which would have been biased.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Pu241, Solid-TRU2,ALL2 (CT)**
Analytical Method:	DOE EML HASL-300, Pu-11-RC Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	384471
Prep Batch Number:	384228
Dry Soil Prep GL-RAD-A-021 Batch Number:	384227

Sample ID	Client ID
126304045	5000-0000-103-C-1C-01
126304046	5000-0000-104-C-1C-01
126304047	5000-0000-105-C-1C-01
126304048	5000-0000-106-C-1C-01
126304049	3107-0000-192-C-1C-01
126304050	3107-0000-193-C-1C-01
1200748010	Method Blank (MB)
1200748013	Laboratory Control Sample (LCS)

1200748011	126304046(5000-0000-104-C-1C-01) Sample Duplicate (DUP)
1200748012	126304046(5000-0000-104-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-035 REV# 5.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304046 (5000-0000-104-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Manual Integration
No manual integrations were performed on data in this batch.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information
Product: **Gamma,Solid-FSS GAM & ALL Ra-226 In-growth Waived**

Analytical Method:	EML HASL 300, 4.5.2.3
Prep Method:	Dry Soil Prep
Analytical Batch Number:	384321
Prep Batch Number:	384224

Sample ID	Client ID
126304001	5000-0000-103-SI
126304002	5000-0000-104-SP
126304003	5000-0000-104-SI
126304004	5000-0000-105-SP
126304005	5000-0000-105-SI
126304006	5000-0000-106-SP
126304007	9312-0003-107-S
126304008	9312-0003-108-S
126304009	9312-0003-109-S
126304010	9312-0003-110-S
126304011	9312-0003-111-S
126304012	9312-0003-112-S
126304013	3107-0000-192-SI
126304014	3107-0000-192-SP
126304015	3107-0000-193-SI
126304016	3107-0000-193-SP
126304017	5000-0000-103-C-1C-01
126304018	5000-0000-104-C-1C-01
126304019	5000-0000-105-C-1C-01
126304020	5000-0000-106-C-1C-01
1200747611	Method Blank (MB)
1200747613	Laboratory Control Sample (LCS)
1200747612	126304008(9312-0003-108-S) Sample Duplicate (DUP)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-013 REV# 10.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304008 (9312-0003-108-S).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Sample 126304008 (9312-0003-108-S) was recounted due to high relative percent difference for PB-212 and PB-214.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information

Qualifier	Reason	Analyte	Sample
UI	The data is rejected due to interference.	Cesium-134	126304005
UI	The data is rejected due to low abundance.	Actinium-228	126304007
		Bismuth-214	126304003
		Cesium-134	126304002
			126304004
			126304006
			126304012
			126304015
		Thallium-208	126304002
UI	The data is rejected due to no valid peak.	Bismuth-212	126304018
		Cesium-137	126304010
			126304018

Method/Analysis Information

Product:	**Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)**
Analytical Method:	EML HASL 300, 4.5.2.3
Prep Method:	Dry Soil Prep
Analytical Batch Number:	384330
Prep Batch Number:	384230

Sample ID	Client ID
126304021	3107-0000-192-C-1C-01
126304022	3107-0000-193-C-1C-01
126304023	5000-0000-103-C-1C-02
126304024	5000-0000-103-C-2C-01
126304025	5000-0000-103-C-3C-03
126304026	5000-0000-103-C-3C-04
126304027	5000-0000-104-C-1C-02
126304028	5000-0000-104-C-2C-01
126304029	5000-0000-104-C-3C-03
126304030	5000-0000-104-C-3C-04
126304031	5000-0000-105-C-1C-02

126304032	5000-0000-105-C-3C-01
126304033	5000-0000-105-C-4C-03
126304034	5000-0000-105-C-4C-04
126304035	5000-0000-106-C-1C-02
126304036	5000-0000-106-C-3C-01
126304037	5000-0000-106-C-4C-03
126304038	5000-0000-106-C-4C-04
126304039	3107-0000-192-C-1C-02
126304040	3107-0000-192-C-2C-03
1200747615	Method Blank (MB)
1200747617	Laboratory Control Sample (LCS)
1200747616	126304027(5000-0000-104-C-1C-02) Sample Duplicate (DUP)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-013 REV# 10.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304027 (5000-0000-104-C-1C-02).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information

Qualifier	Reason	Analyte	Sample
UI	The data is rejected due to interference.	Europium-155	126304029
UI	The data is rejected due to low abundance.	Actinium-228	126304029
			126304036
		Bismuth-214	1200747615
		Cesium-134	126304025
			126304026
		Radium-226	1200747615
		Thallium-208	126304033
UI	The data is rejected due to no valid peak.	Bismuth-212	126304028
			126304038
			126304039

Method/Analysis Information

Product:	**Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)**
Analytical Method:	EML HASL 300, 4.5.2.3
Prep Method:	Dry Soil Prep
Analytical Batch Number:	384336
Prep Batch Number:	384230

Sample ID	Client ID
126304041	3107-0000-192-C-2C-04
126304042	3107-0000-193-C-1C-02
126304043	3107-0000-193-C-2C-03
126304044	3107-0000-193-C-2C-04
1200747624	Method Blank (MB)
1200747626	Laboratory Control Sample (LCS)
1200747625	126303001(3101-0000-176-B01-01) Sample Duplicate (DUP)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-013 REV# 10.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC

The following sample was used for QC: 126303001 (3101-0000-176-B01-01).

QC Information
The duplicate sample, 1200747625 (3101-0000-176-B01-01), failed relative percent difference.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information

Qualifier	Reason	Analyte	Sample
UI	Data rejected due to low abundance.	Bismuth-214	1200747625
		Silver-108m	126304044

Method/Analysis Information

Product:	**GFPC, Sr90, solid Quick TAT**
Analytical Method:	EPA 905.0 Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	384353
Prep Batch Number:	384225
Dry Soil Prep GL-RAD-A-021 Batch Number:	384224

Sample ID	Client ID
126304001	5000-0000-103-SI
126304002	5000-0000-104-SP
126304003	5000-0000-104-SI
126304004	5000-0000-105-SP
126304005	5000-0000-105-SI
126304006	5000-0000-106-SP
126304007	9312-0003-107-S
126304008	9312-0003-108-S
126304009	9312-0003-109-S
126304010	9312-0003-110-S
126304011	9312-0003-111-S
126304012	9312-0003-112-S
126304013	3107-0000-192-SI
126304014	3107-0000-192-SP
126304015	3107-0000-193-SI
126304016	3107-0000-193-SP
1200747676	Method Blank (MB)

1200747679	Laboratory Control Sample (LCS)
1200747677	126304006(5000-0000-106-SP) Sample Duplicate (DUP)
1200747678	126304006(5000-0000-106-SP) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-004 REV# 9.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304006 (5000-0000-106-SP).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Additional Comments
Samples 126304003 (5000-0000-104-SI), 126304014 (3107-0000-192-SP), and 126304016 (3107-0000-193-SP) were verified by recounting at least five days from the separation date.

Qualifier information

Manual qualifiers were not required.

Method/Analysis Information

Product:	**GFPC, Sr90, solid Quick TAT**
Analytical Method:	EPA 905.0 Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	384363
Prep Batch Number:	384231
Dry Soil Prep GL-RAD-A-021 Batch Number:	384230

Sample ID	Client ID
126304017	5000-0000-103-C-1C-01
126304018	5000-0000-104-C-1C-01
126304019	5000-0000-105-C-1C-01
126304020	5000-0000-106-C-1C-01
126304021	3107-0000-192-C-1C-01
126304022	3107-0000-193-C-1C-01
126304023	5000-0000-103-C-1C-02
126304024	5000-0000-103-C-2C-01
126304025	5000-0000-103-C-3C-03
126304026	5000-0000-103-C-3C-04
126304027	5000-0000-104-C-1C-02
126304028	5000-0000-104-C-2C-01
126304029	5000-0000-104-C-3C-03
126304030	5000-0000-104-C-3C-04
126304031	5000-0000-105-C-1C-02
126304032	5000-0000-105-C-3C-01
1200747686	Method Blank (MB)
1200747689	Laboratory Control Sample (LCS)
1200747687	126304017(5000-0000-103-C-1C-01) Sample Duplicate (DUP)
1200747688	126304017(5000-0000-103-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-004 REV# 9.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC

The following sample was used for QC: 126304017 (5000-0000-103-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Additional Comments
Samples 1200747687 (5000-0000-103-C-1C-01), 126304017 (5000-0000-103-C-1C-01), 126304018 (5000-0000-104-C-1C-01), 126304021 (3107-0000-192-C-1C-01), and 126304022 (3107-0000-193-C-1C-01) were verified by recounting at least five days from the separation date.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**GFPC, Sr90, solid Quick TAT**
Analytical Method:	EPA 905.0 Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	384365
Prep Batch Number:	384231
Dry Soil Prep GL-RAD-A-021 Batch Number:	384230

Sample ID	Client ID
126304033	5000-0000-105-C-4C-03
126304034	5000-0000-105-C-4C-04
126304035	5000-0000-106-C-1C-02
126304036	5000-0000-106-C-3C-01
126304037	5000-0000-106-C-4C-03
126304038	5000-0000-106-C-4C-04
126304039	3107-0000-192-C-1C-02
126304040	3107-0000-192-C-2C-03
126304041	3107-0000-192-C-2C-04
126304042	3107-0000-193-C-1C-02
126304043	3107-0000-193-C-2C-03
126304044	3107-0000-193-C-2C-04

1200747700	Method Blank (MB)
1200747703	Laboratory Control Sample (LCS)
1200747701	126304036(5000-0000-106-C-3C-01) Sample Duplicate (DUP)
1200747702	126304036(5000-0000-106-C-3C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-004 REV# 9.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304036 (5000-0000-106-C-3C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)**
Analytical Method:	DOE EML HASL-300, Tc-02-RC Modified
Analytical Batch Number:	384420

Sample ID	**Client ID**
126304045	5000-0000-103-C-1C-01
126304046	5000-0000-104-C-1C-01
126304047	5000-0000-105-C-1C-01
126304048	5000-0000-106-C-1C-01
126304049	3107-0000-192-C-1C-01
126304050	3107-0000-193-C-1C-01
1200747840	Method Blank (MB)
1200747843	Laboratory Control Sample (LCS)
1200747841	126304045(5000-0000-103-C-1C-01) Sample Duplicate (DUP)
1200747842	126304045(5000-0000-103-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-005 REV# 11.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304045 (5000-0000-103-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Fe55, Solid-HTD2,ALL2 (CT)**
Analytical Method:	DOE RESL Fe-1, Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	384424
Prep Batch Number:	384228
Dry Soil Prep GL-RAD-A-021 Batch Number:	384227

Sample ID	Client ID
126304045	5000-0000-103-C-1C-01
126304046	5000-0000-104-C-1C-01
126304047	5000-0000-105-C-1C-01
126304048	5000-0000-106-C-1C-01
126304049	3107-0000-192-C-1C-01
126304050	3107-0000-193-C-1C-01
1200747853	Method Blank (MB)
1200747856	Laboratory Control Sample (LCS)
1200747854	126304050(3107-0000-193-C-1C-01) Sample Duplicate (DUP)
1200747855	126304050(3107-0000-193-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-040 REV# 2.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304050 (3107-0000-193-C-1C-01).

QC Information

All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Samples 1200747854 (3107-0000-193-C-1C-01), 126304045 (5000-0000-103-C-1C-01), 126304046 (5000-0000-104-C-1C-01), 126304047 (5000-0000-105-C-1C-01), 126304048 (5000-0000-106-C-1C-01), 126304049 (3107-0000-192-C-1C-01), and 126304050 (3107-0000-193-C-1C-01) were recounted due to high MDAs.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. The following NCR was generated for this SDG:
NCR 164843 was generated due to RDL less than MDA. 1. Samples 126304045, 126304046, 126304047, 126304048, 126304049, 126304050, and 1200747854 did not meet the detection limit due to lower tracer yields. Samples were recounted for 120 minutes. 1. Reporting results.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Ni63, Solid-HTD2,ALL2 (CT)**
Analytical Method:	DOE RESL Ni-1, Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	384425
Prep Batch Number:	384228
Dry Soil Prep GL-RAD-A-021 Batch Number:	384227

Sample ID	Client ID
126304045	5000-0000-103-C-1C-01
126304046	5000-0000-104-C-1C-01
126304047	5000-0000-105-C-1C-01
126304048	5000-0000-106-C-1C-01
126304049	3107-0000-192-C-1C-01
126304050	3107-0000-193-C-1C-01
1200747867	Method Blank (MB)
1200747870	Laboratory Control Sample (LCS)
1200747868	126304050(3107-0000-193-C-1C-01) Sample Duplicate (DUP)
1200747869	126304050(3107-0000-193-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-022 REV# 6.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304050 (3107-0000-193-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**LSC, Tritium Dist, Solid-HTD2,ALL FSS**
Analytical Method:	EPA 906.0 Modified
Analytical Batch Number:	384413

Sample ID	Client ID
126304001	5000-0000-103-SI
126304002	5000-0000-104-SP
126304003	5000-0000-104-SI
126304004	5000-0000-105-SP
126304005	5000-0000-105-SI
126304006	5000-0000-106-SP
126304007	9312-0003-107-S
126304008	9312-0003-108-S
126304009	9312-0003-109-S

126304010	9312-0003-110-S
126304011	9312-0003-111-S
126304012	9312-0003-112-S
126304013	3107-0000-192-SI
126304014	3107-0000-192-SP
126304015	3107-0000-193-SI
126304016	3107-0000-193-SP
1200747813	Method Blank (MB)
1200747816	Laboratory Control Sample (LCS)
1200747814	126304001(5000-0000-103-SI) Sample Duplicate (DUP)
1200747815	126304001(5000-0000-103-SI) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-002 REV# 9.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304001 (5000-0000-103-SI).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)**
Analytical Method:	EPA 906.0 Modified
Analytical Batch Number:	384414

Sample ID	**Client ID**
126304017	5000-0000-103-C-1C-01
126304018	5000-0000-104-C-1C-01
126304019	5000-0000-105-C-1C-01
126304020	5000-0000-106-C-1C-01
126304021	3107-0000-192-C-1C-01
126304022	3107-0000-193-C-1C-01
126304023	5000-0000-103-C-1C-02
126304024	5000-0000-103-C-2C-01
126304025	5000-0000-103-C-3C-03
126304026	5000-0000-103-C-3C-04
126304027	5000-0000-104-C-1C-02
126304028	5000-0000-104-C-2C-01
126304029	5000-0000-104-C-3C-03
126304030	5000-0000-104-C-3C-04
1200747817	Method Blank (MB)
1200747820	Laboratory Control Sample (LCS)
1200747818	126304017(5000-0000-103-C-1C-01) Sample Duplicate (DUP)
1200747819	126304017(5000-0000-103-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-002 REV# 9.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304017 (5000-0000-103-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Sample 1200747817 (MB) was recounted due to count room error.
Sample 1200747819 (5000-0000-103-C-1C-01) was recounted due to low/high recovery.
The batch was recounted due to the detector being locked out.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. The following NCR was generated for this SDG:
NCR 163681 was generated due to Failed Recovery for LCS/MS/PS. 1. The matrix spike 1200747819 did not meet the recovery requirement. The matrix spike does meet the requirement at 114 percent when the duplicate is used to calculate the recovery. The sample and the duplicate meet the relative percent difference. 1. Reporting results.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)**
Analytical Method:	EPA 906.0 Modified
Analytical Batch Number:	384419

Sample ID	Client ID
126304031	5000-0000-105-C-1C-02
126304032	5000-0000-105-C-3C-01
126304033	5000-0000-105-C-4C-03
126304034	5000-0000-105-C-4C-04
126304035	5000-0000-106-C-1C-02
126304036	5000-0000-106-C-3C-01
126304037	5000-0000-106-C-4C-03
126304038	5000-0000-106-C-4C-04
126304039	3107-0000-192-C-1C-02
126304040	3107-0000-192-C-2C-03
126304041	3107-0000-192-C-2C-04
126304042	3107-0000-193-C-1C-02
126304043	3107-0000-193-C-2C-03
126304044	3107-0000-193-C-2C-04
1200747836	Method Blank (MB)
1200747839	Laboratory Control Sample (LCS)
1200747837	126304031(5000-0000-105-C-1C-02) Sample Duplicate (DUP)
1200747838	126304031(5000-0000-105-C-1C-02) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-002 REV# 9.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304031 (5000-0000-105-C-1C-02).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Samples 1200747837 (5000-0000-105-C-1C-02), 1200747838 (5000-0000-105-C-1C-02), 126304043 (3107-0000-193-C-2C-03), and 126304044 (3107-0000-193-C-2C-04) were recounted due to the quench number being outside the calibration range.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint C14, Solid-HTD2,ALL2 (CT)**
Analytical Method:	EPA EERF C-01 Modified
Analytical Batch Number:	384423

Sample ID	Client ID
126304045	5000-0000-103-C-1C-01
126304046	5000-0000-104-C-1C-01
126304047	5000-0000-105-C-1C-01
126304048	5000-0000-106-C-1C-01
126304049	3107-0000-192-C-1C-01

126304050	3107-0000-193-C-1C-01
1200747848	Method Blank (MB)
1200747851	Laboratory Control Sample (LCS)
1200747849	126304045(5000-0000-103-C-1C-01) Sample Duplicate (DUP)
1200747850	126304045(5000-0000-103-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-003 REV# 7.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 126304045 (5000-0000-103-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Certification Statement
Where the analytical method has been performed under NELAP certification, the analysis has met all of the

requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation:
GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.
The following data validator verified the information presented in this case narrative:

Reviewer: A L Keller G Chase 12/10/04

COMPANY - WIDE NONCONFORMANCE REPORT

Mo.Day Yr.	Division:	Quality Criteria:	Type:
06-DEC-04	Radiochemistry	Specifications	Process
Instrument Type:	**Test / Method:**	**Matrix Type:**	**Client Code:**
LSC	EPA 906.0 Modified	Solid	YANK
Batch ID:	**Sample Numbers:**		
384414	See Below		

Potentially affected work order(s)(SDG): 126304(MSR#04-3908)

Application Issues:

Failed Recovery for LCS/MS/PS

Specification and Requirements Nonconformance Description:	NRG Disposition:
1. The matrix spike 1200747819 did not meet the recovery requirement. The matrix spike does meet the requirement at 114 percent when the duplicate is used to calculate the recovery. The sample and the duplicate meet the relative percent difference.	1. Reporting results.

Originator's Name:
Melanie Aycock 06-DEC-04

Data Validator/Group Leader:
Scott Moreland 06-DEC-04

Quality Review:

Corrective Action:

Director:

Corrective Action ID and Complete Date:

NCR Report No.: 164843
Revision No.:

COMPANY - WIDE NONCONFORMANCE REPORT

Mo.Day Yr.	Division:	Quality Criteria:	Type:
10-DEC-04	Radiochemistry	Specifications	Process
Instrument Type:	**Test / Method:**	**Matrix Type:**	**Client Code:**
LSC	DOE RESL Fe-1, Modified	Solid	YANK
Batch ID:	**Sample Numbers:**		
384424	See Below		

Potentially affected work order(s)(SDG): 126304(MSR#04-3908)

Application Issues:

RDL less than MDA

Specification and Requirements Nonconformance Description:	NRG Disposition:
1. Samples 126304045, 126304046, 126304047, 126304048, 126304049, 126304050, and 1200747854 did not meet the detection limit due to lower tracer yields. Samples were recounted for 120 minutes.	1. Reporting results.

Originator's Name:
Melanie Aycock 10-DEC-04

Data Validator/Group Leader:
Scott Moreland 10-DEC-04

Quality Review:

Corrective Action:

Director:

Corrective Action ID and Complete Date:

SAMPLE DATA SUMMARY

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis Report
for

YANK001 Connecticut Yankee Atomic Power Co.

Client SDG: MSR#04-3908 GEL Work Order: 126304

The Qualifiers in this report are defined as follows:

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
< Result is less than amount reported.
> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
R Sample results are rejected due to sample preservation with HCl.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.
** Indicates the analyte is a surrogate compound.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Cheryl Jones.

Reviewed by

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-103-SI	Project:	YANK01304
Sample ID:	126304001	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	8.51%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gamma,Solid-FSS GAM & ALL Ra-226 In-growth Waived													
Actinium-228		0.582	+/-0.185	0.0698	+/-0.181	0.153	pCi/g		AKB	12/04/04	1247	384321	1
Americium-241	U	0.049	+/-0.103	0.0756	+/-0.101	0.158	pCi/g						
Bismuth-212	U	0.262	+/-0.259	0.127	+/-0.253	0.281	pCi/g						
Bismuth-214		0.468	+/-0.102	0.0348	+/-0.0997	0.0752	pCi/g						
Cesium-134	U	0.0112	+/-0.0239	0.0215	+/-0.0235	0.047	pCi/g						
Cesium-137	U	0.00755	+/-0.0212	0.0191	+/-0.0208	0.0415	pCi/g						
Cobalt-60	U	0.0108	+/-0.0204	0.0198	+/-0.0199	0.0449	pCi/g						
Europium-152	U	-0.0321	+/-0.0556	0.0391	+/-0.0545	0.0844	pCi/g						
Europium-154	U	0.106	+/-0.0718	0.0676	+/-0.0704	0.150	pCi/g						
Europium-155	U	0.0252	+/-0.0539	0.0515	+/-0.0528	0.108	pCi/g						
Lead-212		0.503	+/-0.0697	0.0237	+/-0.0683	0.0503	pCi/g						
Lead-214		0.429	+/-0.0934	0.0336	+/-0.0915	0.0718	pCi/g						
Manganese-54	U	-0.0179	+/-0.0192	0.0141	+/-0.0189	0.0318	pCi/g						
Niobium-94	U	-0.000447	+/-0.0177	0.0152	+/-0.0173	0.0335	pCi/g						
Potassium-40		12.0	+/-1.35	0.156	+/-1.33	0.366	pCi/g						
Radium-226		0.468	+/-0.102	0.0348	+/-0.0997	0.0752	pCi/g						
Silver-108m	U	-0.00403	+/-0.0187	0.0154	+/-0.0184	0.0332	pCi/g						
Thallium-208		0.186	+/-0.0416	0.0167	+/-0.0408	0.0364	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90	U	0.0356	+/-0.0297	0.0264	+/-0.0314	0.057	pCi/g		JMB1	12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL FSS													
Tritium	U	1.05	+/-5.13	4.26	+/-5.13	8.53	pCi/g		LAG1	12/02/04	1733	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	0759	384224

The following Analytical Methods were performed

Method	Description

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–103–SI
Sample ID: 126304001

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	80	(25%–125%)

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000–0000–104–SP	Project:	YANK01304
Sample ID:	126304002	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17–NOV–04		
Receive Date:	26–NOV–04		
Collector:	Client		
Moisture:	12%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gamma,Solid–FSS GAM & ALL Ra–226 In–growth Waived													
Actinium–228		0.546	+/–0.151	0.0683	+/–0.148	0.149	pCi/g		AKB	12/04/04	1456	384321	1
Americium–241	U	0.0444	+/–0.0784	0.0724	+/–0.0768	0.152	pCi/g						
Bismuth–212	U	0.194	+/–0.186	0.114	+/–0.183	0.253	pCi/g						
Bismuth–214		0.320	+/–0.0818	0.028	+/–0.0801	0.0612	pCi/g						
Cesium–134	U	0.00	+/–0.0323	0.0209	+/–0.0316	0.0455	pCi/g						
	UI												
Cesium–137	U	0.0257	+/–0.0208	0.0203	+/–0.0204	0.0437	pCi/g						
Cobalt–60	U	0.0168	+/–0.032	0.0182	+/–0.0313	0.0413	pCi/g						
Europium–152	U	0.0169	+/–0.0491	0.0439	+/–0.0481	0.0936	pCi/g						
Europium–154	U	–0.00894	+/–0.0688	0.0551	+/–0.0674	0.124	pCi/g						
Europium–155	U	0.0266	+/–0.0499	0.0488	+/–0.0489	0.102	pCi/g						
Lead–212		0.404	+/–0.0645	0.0257	+/–0.0632	0.054	pCi/g						
Lead–214		0.388	+/–0.0929	0.0309	+/–0.0911	0.066	pCi/g						
Manganese–54	U	0.0118	+/–0.0196	0.018	+/–0.0192	0.0393	pCi/g						
Niobium–94	U	0.0174	+/–0.0164	0.0159	+/–0.016	0.0345	pCi/g						
Potassium–40		13.4	+/–1.40	0.117	+/–1.38	0.284	pCi/g						
Radium–226		0.320	+/–0.0818	0.028	+/–0.0801	0.0612	pCi/g						
Silver–108m	U	–0.0015	+/–0.0173	0.0146	+/–0.017	0.0314	pCi/g						
Thallium–208	U	0.00	+/–0.0404	0.032	+/–0.0396	0.0668	pCi/g						
	UI												
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium–90	U	0.0293	+/–0.0267	0.0242	+/–0.0276	0.0518	pCi/g		JMB1	12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid–HTD2,ALL FSS													
Tritium	U	–6.08	+/–4.73	4.20	+/–4.74	8.40	pCi/g		LAG1	12/02/04	1805	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL–RAD–A–021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL–RAD–A–021	TC1	11/29/04	0759	384224

The following Analytical Methods were performed

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000-0000-104-SP
Sample ID: 126304002

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	92	(25%-125%)

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-104-SI	Project:	YANK01304
Sample ID:	126304003	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	8.17%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gamma,Solid-FSS GAM & ALL Ra-226 In-growth Waived													
Actinium-228		0.315	+/-0.128	0.0581	+/-0.125	0.128	pCi/g		AKB	12/04/04	1247	384321	1
Americium-241	U	0.0304	+/-0.0795	0.0697	+/-0.0779	0.146	pCi/g						
Bismuth-212	U	0.124	+/-0.171	0.157	+/-0.167	0.338	pCi/g						
Bismuth-214	U	0.00	+/-0.081	0.0643	+/-0.0794	0.134	pCi/g						
	UI												
Cesium-134	U	0.0268	+/-0.0266	0.0202	+/-0.0261	0.0438	pCi/g						
Cesium-137	U	-0.00376	+/-0.019	0.0163	+/-0.0186	0.0355	pCi/g						
Cobalt-60	U	0.0131	+/-0.0204	0.019	+/-0.020	0.0426	pCi/g						
Europium-152	U	0.00173	+/-0.0484	0.0431	+/-0.0474	0.0918	pCi/g						
Europium-154	U	0.0386	+/-0.0759	0.0609	+/-0.0744	0.134	pCi/g						
Europium-155	U	-0.00892	+/-0.0535	0.0485	+/-0.0524	0.101	pCi/g						
Lead-212		0.294	+/-0.0712	0.0335	+/-0.0697	0.0697	pCi/g						
Lead-214		0.368	+/-0.0883	0.0318	+/-0.0865	0.0676	pCi/g						
Manganese-54	U	0.0167	+/-0.023	0.0189	+/-0.0225	0.0409	pCi/g						
Niobium-94	U	-0.00777	+/-0.0164	0.0135	+/-0.0161	0.0297	pCi/g						
Potassium-40		12.3	+/-1.29	0.145	+/-1.27	0.337	pCi/g						
Radium-226		0.268	+/-0.081	0.0291	+/-0.0794	0.0632	pCi/g						
Silver-108m	U	0.0103	+/-0.0261	0.0155	+/-0.0255	0.0331	pCi/g						
Thallium-208		0.101	+/-0.0435	0.0178	+/-0.0426	0.0383	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90		0.160	+/-0.0355	0.0229	+/-0.052	0.0492	pCi/g		JMB1	12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL FSS													
Tritium	U	2.25	+/-4.58	3.76	+/-4.58	7.52	pCi/g		LAG1	12/02/04	1837	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	0759	384224

The following Analytical Methods were performed

Method	Description

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–104–SI
Sample ID: 126304003

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	96	(25%–125%)

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-105-SP	Project:	YANK01304
Sample ID:	126304004	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	2.48%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
Rad Gamma Spec Analysis											
Gamma,Solid-FSS GAM & ALL Ra-226 In-growth Waived											
Actinium-228		0.515	+/-0.144	0.0687	+/-0.141	0.152	pCi/g		AKB 12/04/04	1247	384321 1
Americium-241	U	-0.00313	+/-0.136	0.108	+/-0.133	0.228	pCi/g				
Bismuth-212		0.559	+/-0.224	0.146	+/-0.219	0.319	pCi/g				
Bismuth-214		0.539	+/-0.0847	0.0322	+/-0.083	0.0704	pCi/g				
Cesium-134	U UI	0.00	+/-0.0401	0.0244	+/-0.0393	0.053	pCi/g				
Cesium-137	U	0.00941	+/-0.023	0.0205	+/-0.0226	0.0445	pCi/g				
Cobalt-60	U	0.00619	+/-0.0448	0.023	+/-0.0439	0.0517	pCi/g				
Europium-152	U	-0.0316	+/-0.0565	0.0451	+/-0.0554	0.0972	pCi/g				
Europium-154	U	0.00614	+/-0.0743	0.0633	+/-0.0728	0.142	pCi/g				
Europium-155	U	0.0183	+/-0.0626	0.059	+/-0.0614	0.124	pCi/g				
Lead-212		0.428	+/-0.0701	0.0423	+/-0.0687	0.0878	pCi/g				
Lead-214		0.581	+/-0.107	0.0362	+/-0.105	0.0773	pCi/g				
Manganese-54	U	0.00864	+/-0.0196	0.0174	+/-0.0192	0.0385	pCi/g				
Niobium-94	U	0.0147	+/-0.0196	0.018	+/-0.0192	0.0391	pCi/g				
Potassium-40		12.7	+/-1.05	0.154	+/-1.03	0.365	pCi/g				
Radium-226		0.539	+/-0.0847	0.0322	+/-0.083	0.0704	pCi/g				
Silver-108m	U	-0.00303	+/-0.0188	0.0164	+/-0.0184	0.0355	pCi/g				
Thallium-208		0.177	+/-0.0438	0.0169	+/-0.043	0.037	pCi/g				
Rad Gas Flow Proportional Counting											
GFPC, Sr90, solid Quick TAT											
Strontium-90	U	0.00464	+/-0.0191	0.0188	+/-0.0191	0.0409	pCi/g		JMB1 12/01/04	1352	384353 2
Rad Liquid Scintillation Analysis											
LSC, Tritium Dist, Solid-HTD2,ALL FSS											
Tritium	U	0.560	+/-5.12	4.28	+/-5.12	8.56	pCi/g		LAG1 12/02/04	1909	384413 3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	0759	384224

The following Analytical Methods were performed

Method	Description

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000-0000-105-SP
Sample ID: 126304004

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	99	(25%-125%)

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000–0000–105–SI	Project:	YANK01304
Sample ID:	126304005	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17–NOV–04		
Receive Date:	26–NOV–04		
Collector:	Client		
Moisture:	12.8%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gamma,Solid–FSS GAM & ALL Ra–226 In–growth Waived												
Actinium–228		0.878	+/–0.196	0.0749	+/–0.192	0.166	pCi/g		AKB 12/04/04	1248	384321	1
Americium–241	U	0.0132	+/–0.0402	0.0359	+/–0.0394	0.0742	pCi/g					
Bismuth–212		0.624	+/–0.384	0.174	+/–0.377	0.380	pCi/g					
Bismuth–214		0.513	+/–0.124	0.0487	+/–0.122	0.104	pCi/g					
Cesium–134	U UI	0.00	+/–0.0391	0.0219	+/–0.0384	0.0485	pCi/g					
Cesium–137	U	–0.0123	+/–0.0256	0.0207	+/–0.0251	0.0454	pCi/g					
Cobalt–60	U	0.0475	+/–0.018	0.0294	+/–0.0176	0.0648	pCi/g					
Europium–152	U	–0.0355	+/–0.0831	0.059	+/–0.0815	0.125	pCi/g					
Europium–154	U	0.063	+/–0.0891	0.0818	+/–0.0873	0.180	pCi/g					
Europium–155	U	0.0133	+/–0.063	0.0584	+/–0.0617	0.121	pCi/g					
Lead–212		0.533	+/–0.0856	0.039	+/–0.0838	0.0812	pCi/g					
Lead–214		0.667	+/–0.148	0.0415	+/–0.145	0.0881	pCi/g					
Manganese–54	U	0.00582	+/–0.0254	0.022	+/–0.0249	0.0482	pCi/g					
Niobium–94	U	0.0159	+/–0.0234	0.0214	+/–0.023	0.0462	pCi/g					
Potassium–40		13.3	+/–1.43	0.204	+/–1.40	0.468	pCi/g					
Radium–226		0.513	+/–0.124	0.0487	+/–0.122	0.104	pCi/g					
Silver–108m	U	0.0458	+/–0.0235	0.0219	+/–0.0231	0.0465	pCi/g					
Thallium–208		0.209	+/–0.0513	0.0212	+/–0.0503	0.046	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium–90	U	0.0168	+/–0.0255	0.0243	+/–0.0258	0.052	pCi/g		JMB1 12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid–HTD2,ALL FSS												
Tritium	U	1.30	+/–5.32	4.41	+/–5.32	8.83	pCi/g		LAG1 12/02/04	1941	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL–RAD–A–021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL–RAD–A–021	TC1	11/29/04	0759	384224

The following Analytical Methods were performed

Method	Description

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–105–SI
Sample ID: 126304005

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	93	(25%–125%)

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-106-SP	Project:	YANK01304
Sample ID:	126304006	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	7.56%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gamma,Solid-FSS GAM & ALL Ra-226 In-growth Waived												
Actinium-228		0.660	+/-0.166	0.0773	+/-0.163	0.168	pCi/g		AKB 12/04/04	1249	384321	1
Americium-241	U	0.0122	+/-0.092	0.0904	+/-0.0901	0.188	pCi/g					
Bismuth-212	U	0.283	+/-0.270	0.157	+/-0.264	0.340	pCi/g					
Bismuth-214		0.590	+/-0.105	0.035	+/-0.103	0.0755	pCi/g					
Cesium-134	U UI	0.00	+/-0.0403	0.024	+/-0.0395	0.0518	pCi/g					
Cesium-137	U	0.00139	+/-0.0224	0.0193	+/-0.022	0.0417	pCi/g					
Cobalt-60	U	-0.0266	+/-0.0337	0.0203	+/-0.0331	0.0457	pCi/g					
Europium-152	U	0.0252	+/-0.0562	0.0528	+/-0.0551	0.112	pCi/g					
Europium-154	U	-0.0382	+/-0.0749	0.0475	+/-0.0734	0.109	pCi/g					
Europium-155	U	0.0333	+/-0.0606	0.0585	+/-0.0594	0.122	pCi/g					
Lead-212		0.563	+/-0.0639	0.0291	+/-0.0627	0.0611	pCi/g					
Lead-214		0.698	+/-0.0989	0.0346	+/-0.0969	0.0735	pCi/g					
Manganese-54	U	0.00231	+/-0.0267	0.0207	+/-0.0261	0.0448	pCi/g					
Niobium-94	U	0.0204	+/-0.0269	0.0202	+/-0.0264	0.0432	pCi/g					
Potassium-40		10.9	+/-1.05	0.196	+/-1.03	0.441	pCi/g					
Radium-226		0.590	+/-0.105	0.035	+/-0.103	0.0755	pCi/g					
Silver-108m	U	-0.00971	+/-0.0183	0.0156	+/-0.0179	0.0335	pCi/g					
Thallium-208		0.209	+/-0.0488	0.0174	+/-0.0478	0.0379	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium-90	U	-0.00756	+/-0.0239	0.0252	+/-0.024	0.0542	pCi/g		JMB1 12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid-HTD2,ALL FSS												
Tritium	U	0.447	+/-5.02	4.20	+/-5.02	8.40	pCi/g		LAG1 12/02/04	2014	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	0759	384224

The following Analytical Methods were performed

Method	Description

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–106–SP
Sample ID: 126304006

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	85	(25%–125%)

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	9312–0003–107–S	Project:	YANK01304
Sample ID:	126304007	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17–NOV–04		
Receive Date:	26–NOV–04		
Collector:	Client		
Moisture:	6.31%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gamma,Solid–FSS GAM & ALL Ra–226 In–growth Waived												
Actinium–228	U UI	0.00	+/–0.173	0.131	+/–0.169	0.275	pCi/g		AKB 12/04/04	1249	384321	1
Americium–241	U	0.00358	+/–0.104	0.0826	+/–0.102	0.173	pCi/g					
Bismuth–212		0.313	+/–0.245	0.113	+/–0.240	0.254	pCi/g					
Bismuth–214		0.403	+/–0.0916	0.0364	+/–0.0898	0.0787	pCi/g					
Cesium–134	U	0.0306	+/–0.0258	0.0244	+/–0.0253	0.0529	pCi/g					
Cesium–137	U	–0.0117	+/–0.0213	0.0169	+/–0.0209	0.0373	pCi/g					
Cobalt–60	U	–0.0199	+/–0.0227	0.0157	+/–0.0222	0.0369	pCi/g					
Europium–152	U	–0.0103	+/–0.0541	0.0446	+/–0.053	0.0959	pCi/g					
Europium–154	U	–0.0277	+/–0.0748	0.0593	+/–0.0733	0.134	pCi/g					
Europium–155	U	–0.00987	+/–0.0604	0.0494	+/–0.0592	0.104	pCi/g					
Lead–212		0.420	+/–0.0685	0.027	+/–0.0671	0.0571	pCi/g					
Lead–214		0.443	+/–0.100	0.0361	+/–0.0982	0.077	pCi/g					
Manganese–54	U	0.014	+/–0.0242	0.0214	+/–0.0237	0.0465	pCi/g					
Niobium–94	U	0.0138	+/–0.0208	0.0188	+/–0.0204	0.0407	pCi/g					
Potassium–40		14.8	+/–1.46	0.127	+/–1.43	0.309	pCi/g					
Radium–226		0.403	+/–0.0916	0.0364	+/–0.0898	0.0787	pCi/g					
Silver–108m	U	–0.0268	+/–0.0169	0.0124	+/–0.0166	0.0273	pCi/g					
Thallium–208		0.115	+/–0.047	0.0177	+/–0.0461	0.0386	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium–90	U	0.0124	+/–0.0218	0.0208	+/–0.022	0.0448	pCi/g		JMB1 12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid–HTD2,ALL FSS												
Tritium	U	–2.5	+/–4.07	3.51	+/–4.07	7.01	pCi/g		LAG1 12/02/04	2046	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL–RAD–A–021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL–RAD–A–021	TC1	11/29/04	0759	384224

The following Analytical Methods were performed

Method	Description

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 9312–0003–107–S
Sample ID: 126304007

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	98	(25%–125%)

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

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** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	9312–0003–108–S	Project:	YANK01304
Sample ID:	126304008	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17–NOV–04		
Receive Date:	26–NOV–04		
Collector:	Client		
Moisture:	11.7%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gamma,Solid–FSS GAM & ALL Ra–226 In–growth Waived												
Actinium–228		0.855	+/–0.208	0.0678	+/–0.204	0.151	pCi/g		AKB 12/06/04	1414	384321	1
Americium–241	U	–0.0404	+/–0.142	0.131	+/–0.139	0.276	pCi/g					
Bismuth–212		0.585	+/–0.342	0.175	+/–0.335	0.380	pCi/g					
Bismuth–214		0.768	+/–0.114	0.0401	+/–0.112	0.0868	pCi/g					
Cesium–134	U	0.0187	+/–0.0259	0.0219	+/–0.0254	0.0483	pCi/g					
Cesium–137	U	0.00142	+/–0.0229	0.0203	+/–0.0225	0.0443	pCi/g					
Cobalt–60	U	0.0127	+/–0.026	0.0213	+/–0.0255	0.0483	pCi/g					
Europium–152	U	0.0182	+/–0.0755	0.0603	+/–0.074	0.129	pCi/g					
Europium–154	U	0.0265	+/–0.071	0.064	+/–0.0696	0.143	pCi/g					
Europium–155	U	0.0393	+/–0.0892	0.083	+/–0.0874	0.174	pCi/g					
Lead–212		0.752	+/–0.083	0.0345	+/–0.0814	0.0731	pCi/g					
Lead–214		0.756	+/–0.107	0.0428	+/–0.105	0.0914	pCi/g					
Manganese–54	U	0.0238	+/–0.0256	0.0241	+/–0.0251	0.0523	pCi/g					
Niobium–94	U	0.0153	+/–0.0238	0.022	+/–0.0233	0.0474	pCi/g					
Potassium–40		12.2	+/–1.07	0.151	+/–1.05	0.358	pCi/g					
Radium–226		0.768	+/–0.114	0.0401	+/–0.112	0.0868	pCi/g					
Silver–108m	U	0.0019	+/–0.0247	0.019	+/–0.0242	0.0409	pCi/g					
Thallium–208		0.264	+/–0.0602	0.0182	+/–0.059	0.040	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium–90	U	0.0245	+/–0.0269	0.0247	+/–0.0276	0.0532	pCi/g		JMB1 12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid–HTD2,ALL FSS												
Tritium	U	–0.809	+/–4.87	4.12	+/–4.87	8.23	pCi/g		LAG1 12/02/04	2118	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL–RAD–A–021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL–RAD–A–021	TC1	11/29/04	0759	384224

The following Analytical Methods were performed

Method	Description

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 9312–0003–108–S
Sample ID: 126304008

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	87	(25%–125%)

Notes:
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BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	9312–0003–109–S	Project:	YANK01304
Sample ID:	126304009	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17–NOV–04		
Receive Date:	26–NOV–04		
Collector:	Client		
Moisture:	8.45%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gamma,Solid–FSS GAM & ALL Ra–226 In–growth Waived												
Actinium–228		0.669	+/–0.185	0.0664	+/–0.182	0.144	pCi/g		AKB 12/04/04	1249	384321	1
Americium–241	U	0.0564	+/–0.112	0.112	+/–0.110	0.232	pCi/g					
Bismuth–212		0.447	+/–0.273	0.133	+/–0.267	0.286	pCi/g					
Bismuth–214		0.576	+/–0.108	0.0301	+/–0.106	0.0647	pCi/g					
Cesium–134	U	0.0104	+/–0.0248	0.0217	+/–0.0243	0.0466	pCi/g					
Cesium–137	U	–0.0013	+/–0.019	0.0162	+/–0.0186	0.0351	pCi/g					
Cobalt–60	U	0.00795	+/–0.0206	0.0183	+/–0.0202	0.041	pCi/g					
Europium–152	U	0.0117	+/–0.0484	0.0451	+/–0.0474	0.0953	pCi/g					
Europium–154	U	0.00612	+/–0.0667	0.0571	+/–0.0654	0.126	pCi/g					
Europium–155	U	0.076	+/–0.0773	0.0538	+/–0.0757	0.112	pCi/g					
Lead–212		0.618	+/–0.0801	0.0271	+/–0.0785	0.0567	pCi/g					
Lead–214		0.724	+/–0.113	0.032	+/–0.111	0.0676	pCi/g					
Manganese–54	U	–0.0157	+/–0.0221	0.0141	+/–0.0217	0.0311	pCi/g					
Niobium–94	U	–0.00791	+/–0.019	0.0156	+/–0.0186	0.0335	pCi/g					
Potassium–40		12.2	+/–1.29	0.110	+/–1.27	0.263	pCi/g					
Radium–226		0.576	+/–0.108	0.0301	+/–0.106	0.0647	pCi/g					
Silver–108m	U	0.000235	+/–0.0156	0.0141	+/–0.0153	0.0301	pCi/g					
Thallium–208		0.231	+/–0.0481	0.0159	+/–0.0471	0.0342	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium–90	U	0.00708	+/–0.0233	0.0229	+/–0.0234	0.0493	pCi/g		JMB1 12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid–HTD2,ALL FSS												
Tritium	U	–1.65	+/–4.73	4.03	+/–4.73	8.07	pCi/g		LAG1 12/02/04	2150	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL–RAD–A–021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL–RAD–A–021	TC1	11/29/04	0759	384224

The following Analytical Methods were performed

Method	Description

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 9312-0003-109-S
Sample ID: 126304009

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	96	(25%–125%)

Notes:
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BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

Certificate of Analysis

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	9312-0003-110-S	Project:	YANK01304
Sample ID:	126304010	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	4.95%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gamma,Solid-FSS GAM & ALL Ra-226 In-growth Waived												
Actinium-228		0.374	+/-0.151	0.0769	+/-0.148	0.166	pCi/g		AKB 12/04/04	1250	384321	1
Americium-241	U	-0.0196	+/-0.082	0.0709	+/-0.0804	0.148	pCi/g					
Bismuth-212		0.412	+/-0.270	0.121	+/-0.264	0.266	pCi/g					
Bismuth-214		0.272	+/-0.0886	0.0348	+/-0.0868	0.0749	pCi/g					
Cesium-134	U	0.0368	+/-0.031	0.0199	+/-0.0303	0.0434	pCi/g					
Cesium-137	U	0.00	+/-0.0346	0.0168	+/-0.0339	0.0366	pCi/g					
	UI											
Cobalt-60	U	-0.00273	+/-0.0215	0.0174	+/-0.0211	0.0398	pCi/g					
Europium-152	U	-0.0429	+/-0.0512	0.0397	+/-0.0502	0.0851	pCi/g					
Europium-154	U	-0.00937	+/-0.0712	0.0581	+/-0.0698	0.130	pCi/g					
Europium-155	U	0.0446	+/-0.0493	0.0482	+/-0.0483	0.101	pCi/g					
Lead-212		0.300	+/-0.064	0.0385	+/-0.0627	0.0797	pCi/g					
Lead-214		0.323	+/-0.0756	0.0327	+/-0.0741	0.0696	pCi/g					
Manganese-54	U	-0.0154	+/-0.0216	0.0161	+/-0.0211	0.0356	pCi/g					
Niobium-94	U	0.00576	+/-0.0194	0.015	+/-0.019	0.0328	pCi/g					
Potassium-40		14.1	+/-1.40	0.127	+/-1.38	0.305	pCi/g					
Radium-226		0.272	+/-0.0886	0.0348	+/-0.0868	0.0749	pCi/g					
Silver-108m	U	-0.0115	+/-0.0157	0.0129	+/-0.0153	0.028	pCi/g					
Thallium-208		0.158	+/-0.0423	0.018	+/-0.0415	0.0388	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium-90	U	0.0115	+/-0.0271	0.0264	+/-0.0273	0.0566	pCi/g		JMB1 12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid-HTD2,ALL FSS												
Tritium	U	0.575	+/-5.25	4.39	+/-5.25	8.77	pCi/g		LAG1 12/02/04	2222	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	0759	384224

The following Analytical Methods were performed

Method	Description

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 9312–0003–110–S
Sample ID: 126304010

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	88	(25%–125%)

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
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U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	9312-0003-111-S	Project:	YANK01304
Sample ID:	126304011	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	12.5%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gamma,Solid-FSS GAM & ALL Ra-226 In-growth Waived													
Actinium-228		0.801	+/-0.167	0.0632	+/-0.163	0.138	pCi/g		AKB	12/04/04	1250	384321	1
Americium-241	U	0.010	+/-0.0965	0.083	+/-0.0945	0.172	pCi/g						
Bismuth-212		0.662	+/-0.272	0.131	+/-0.267	0.283	pCi/g						
Bismuth-214		0.556	+/-0.0938	0.0346	+/-0.0919	0.0739	pCi/g						
Cesium-134	U	0.0417	+/-0.0252	0.0223	+/-0.0246	0.0479	pCi/g						
Cesium-137	U	0.00296	+/-0.0215	0.0186	+/-0.021	0.0399	pCi/g						
Cobalt-60	U	0.0129	+/-0.0227	0.0205	+/-0.0222	0.0454	pCi/g						
Europium-152	U	0.00521	+/-0.0548	0.0499	+/-0.0537	0.105	pCi/g						
Europium-154	U	0.0205	+/-0.0713	0.0622	+/-0.0699	0.136	pCi/g						
Europium-155	U	-0.02	+/-0.063	0.0573	+/-0.0618	0.119	pCi/g						
Lead-212		0.748	+/-0.0632	0.0291	+/-0.0619	0.0607	pCi/g						
Lead-214		0.628	+/-0.100	0.0355	+/-0.098	0.0749	pCi/g						
Manganese-54	U	0.0047	+/-0.0222	0.0199	+/-0.0217	0.0428	pCi/g						
Niobium-94	U	0.0073	+/-0.0212	0.0165	+/-0.0208	0.0354	pCi/g						
Potassium-40		11.2	+/-0.946	0.149	+/-0.927	0.341	pCi/g						
Radium-226		0.556	+/-0.0938	0.0346	+/-0.0919	0.0739	pCi/g						
Silver-108m	U	-0.00311	+/-0.0182	0.016	+/-0.0178	0.034	pCi/g						
Thallium-208		0.228	+/-0.0417	0.0192	+/-0.0408	0.041	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90	U	0.00677	+/-0.0301	0.030	+/-0.0301	0.0637	pCi/g		JMB1	12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL FSS													
Tritium	U	3.76	+/-4.72	3.83	+/-4.73	7.66	pCi/g		LAG1	12/02/04	2254	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	0759	384224

The following Analytical Methods were performed

Method	Description

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 9312-0003-111-S
Sample ID: 126304011

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	88	(25%–125%)

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

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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	9312–0003–112–S	Project:	YANK01304
Sample ID:	126304012	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17–NOV–04		
Receive Date:	26–NOV–04		
Collector:	Client		
Moisture:	8.8%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gamma,Solid–FSS GAM & ALL Ra–226 In–growth Waived												
Actinium–228		0.693	+/–0.184	0.064	+/–0.181	0.140	pCi/g		AKB 12/04/04	1250	384321	1
Americium–241	U	–0.0216	+/–0.0305	0.0289	+/–0.0299	0.0596	pCi/g					
Bismuth–212		0.489	+/–0.276	0.135	+/–0.271	0.294	pCi/g					
Bismuth–214		0.647	+/–0.117	0.0298	+/–0.115	0.0646	pCi/g					
Cesium–134	U UI	0.00	+/–0.0342	0.026	+/–0.0335	0.0556	pCi/g					
Cesium–137	U	0.0238	+/–0.0254	0.0238	+/–0.0249	0.0506	pCi/g					
Cobalt–60	U	–0.00104	+/–0.0241	0.0202	+/–0.0236	0.045	pCi/g					
Europium–152	U	–0.0271	+/–0.0527	0.0454	+/–0.0517	0.0962	pCi/g					
Europium–154	U	0.0109	+/–0.0734	0.0634	+/–0.072	0.139	pCi/g					
Europium–155	U	0.0186	+/–0.0469	0.0444	+/–0.046	0.0922	pCi/g					
Lead–212		0.639	+/–0.0787	0.0262	+/–0.0772	0.0548	pCi/g					
Lead–214		0.660	+/–0.100	0.0334	+/–0.098	0.0708	pCi/g					
Manganese–54	U	0.0263	+/–0.0248	0.0167	+/–0.0243	0.0366	pCi/g					
Niobium–94	U	0.0269	+/–0.0183	0.018	+/–0.0179	0.0386	pCi/g					
Potassium–40		10.7	+/–1.24	0.189	+/–1.22	0.425	pCi/g					
Radium–226		0.647	+/–0.117	0.0298	+/–0.115	0.0646	pCi/g					
Silver–108m	U	0.00681	+/–0.0183	0.0164	+/–0.0179	0.035	pCi/g					
Thallium–208		0.204	+/–0.0499	0.0181	+/–0.0489	0.0389	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium–90	U	0.0488	+/–0.0305	0.0266	+/–0.0329	0.0568	pCi/g		JMB1 12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid–HTD2,ALL FSS												
Tritium	U	3.53	+/–5.29	4.31	+/–5.30	8.63	pCi/g		LAG1 12/02/04	2326	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL–RAD–A–021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL–RAD–A–021	TC1	11/29/04	0759	384224

The following Analytical Methods were performed

Method	Description

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 9312–0003–112–S
Sample ID: 126304012

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	92	(25%–125%)

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	3107-0000-192-SI	Project:	YANK01304
Sample ID:	126304013	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	18-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	9.64%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gamma,Solid-FSS GAM & ALL Ra-226 In-growth Waived												
Actinium-228		0.409	+/-0.140	0.048	+/-0.137	0.104	pCi/g		AKB 12/04/04	1251	384321	1
Americium-241	U	0.0699	+/-0.0587	0.0535	+/-0.0575	0.111	pCi/g					
Bismuth-212		0.345	+/-0.172	0.0835	+/-0.169	0.182	pCi/g					
Bismuth-214		0.347	+/-0.0859	0.0256	+/-0.0841	0.0546	pCi/g					
Cesium-134	U	0.005	+/-0.0184	0.016	+/-0.018	0.0341	pCi/g					
Cesium-137	U	-0.000781	+/-0.017	0.0147	+/-0.0166	0.0312	pCi/g					
Cobalt-60	U	0.00571	+/-0.0174	0.0151	+/-0.017	0.033	pCi/g					
Europium-152	U	0.00762	+/-0.0416	0.0369	+/-0.0407	0.0779	pCi/g					
Europium-154	U	-0.0146	+/-0.0547	0.0446	+/-0.0536	0.0969	pCi/g					
Europium-155	U	-0.0224	+/-0.0479	0.0426	+/-0.0469	0.0886	pCi/g					
Lead-212		0.421	+/-0.0589	0.022	+/-0.0577	0.0459	pCi/g					
Lead-214		0.439	+/-0.0793	0.0261	+/-0.0777	0.0552	pCi/g					
Manganese-54	U	0.00525	+/-0.0172	0.0149	+/-0.0169	0.0318	pCi/g					
Niobium-94	U	-0.00158	+/-0.0143	0.0122	+/-0.014	0.0261	pCi/g					
Potassium-40		13.1	+/-1.23	0.132	+/-1.20	0.292	pCi/g					
Radium-226		0.347	+/-0.0859	0.0256	+/-0.0841	0.0546	pCi/g					
Silver-108m	U	0.0167	+/-0.0154	0.0142	+/-0.0151	0.0299	pCi/g					
Thallium-208		0.120	+/-0.0371	0.0138	+/-0.0364	0.0294	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium-90	U	0.00144	+/-0.0248	0.0251	+/-0.0248	0.0538	pCi/g		JMB1 12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid-HTD2,ALL FSS												
Tritium	U	-0.138	+/-5.01	4.21	+/-5.01	8.43	pCi/g		LAG1 12/02/04	2358	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	0759	384224

The following Analytical Methods were performed

Method	Description

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107-0000-192-SI
Sample ID: 126304013

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	87	(25%-125%)

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	3107-0000-192-SP	Project:	YANK01304
Sample ID:	126304014	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	12.5%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gamma,Solid-FSS GAM & ALL Ra-226 In-growth Waived													
Actinium-228		0.520	+/-0.166	0.0476	+/-0.162	0.108	pCi/g		AKB	12/04/04	1457	384321	1
Americium-241	U	-0.0549	+/-0.101	0.0777	+/-0.0988	0.163	pCi/g						
Bismuth-212		0.433	+/-0.313	0.168	+/-0.306	0.361	pCi/g						
Bismuth-214		0.468	+/-0.094	0.0338	+/-0.0921	0.0732	pCi/g						
Cesium-134	U	0.0188	+/-0.0253	0.023	+/-0.0248	0.0498	pCi/g						
Cesium-137	U	0.0191	+/-0.0231	0.0214	+/-0.0226	0.0459	pCi/g						
Cobalt-60	U	0.00858	+/-0.0277	0.0242	+/-0.0272	0.0536	pCi/g						
Europium-152	U	0.027	+/-0.0547	0.0485	+/-0.0536	0.103	pCi/g						
Europium-154	U	0.029	+/-0.0683	0.061	+/-0.067	0.136	pCi/g						
Europium-155	U	0.0314	+/-0.0541	0.0522	+/-0.053	0.109	pCi/g						
Lead-212		0.461	+/-0.0718	0.0298	+/-0.0703	0.0624	pCi/g						
Lead-214		0.545	+/-0.0944	0.032	+/-0.0925	0.0686	pCi/g						
Manganese-54	U	0.0158	+/-0.0213	0.0194	+/-0.0209	0.0423	pCi/g						
Niobium-94	U	-0.0081	+/-0.0196	0.016	+/-0.0192	0.0348	pCi/g						
Potassium-40		12.2	+/-1.29	0.154	+/-1.26	0.359	pCi/g						
Radium-226		0.468	+/-0.094	0.0338	+/-0.0921	0.0732	pCi/g						
Silver-108m	U	-0.00479	+/-0.0174	0.0152	+/-0.0171	0.0328	pCi/g						
Thallium-208		0.145	+/-0.0438	0.0179	+/-0.043	0.0388	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90		0.125	+/-0.0355	0.0253	+/-0.0478	0.0542	pCi/g		JMB1	12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL FSS													
Tritium	U	1.24	+/-4.56	3.78	+/-4.56	7.56	pCi/g		LAG1	12/03/04	0030	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	0800	384224

The following Analytical Methods were performed

Method	Description

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107–0000–192–SP
Sample ID: 126304014

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	89	(25%–125%)

Notes:
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** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	3107-0000-193-SI	Project:	YANK01304
Sample ID:	126304015	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	18-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	10.2%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gamma,Solid-FSS GAM & ALL Ra-226 In-growth Waived												
Actinium-228		0.571	+/-0.178	0.0702	+/-0.175	0.155	pCi/g		AKB 12/04/04	1457	384321	1
Americium-241	U	0.0472	+/-0.112	0.0934	+/-0.110	0.194	pCi/g					
Bismuth-212	U	0.306	+/-0.214	0.203	+/-0.210	0.433	pCi/g					
Bismuth-214		0.529	+/-0.136	0.0349	+/-0.133	0.0758	pCi/g					
Cesium-134	U UI	0.00	+/-0.0648	0.0302	+/-0.0636	0.0645	pCi/g					
Cesium-137	U	-0.00715	+/-0.0249	0.0208	+/-0.0244	0.0451	pCi/g					
Cobalt-60	U	-0.00736	+/-0.0285	0.0229	+/-0.0279	0.0515	pCi/g					
Europium-152	U	-0.0362	+/-0.0624	0.0514	+/-0.0612	0.109	pCi/g					
Europium-154	U	0.052	+/-0.077	0.0507	+/-0.0755	0.117	pCi/g					
Europium-155	U	-0.037	+/-0.0682	0.0581	+/-0.0668	0.121	pCi/g					
Lead-212		0.562	+/-0.0838	0.0308	+/-0.0821	0.0647	pCi/g					
Lead-214		0.621	+/-0.103	0.0354	+/-0.100	0.0756	pCi/g					
Manganese-54	U	-0.00823	+/-0.0257	0.0208	+/-0.0251	0.0453	pCi/g					
Niobium-94	U	0.00627	+/-0.0233	0.0204	+/-0.0228	0.0438	pCi/g					
Potassium-40		13.5	+/-1.55	0.175	+/-1.52	0.405	pCi/g					
Radium-226		0.529	+/-0.136	0.0349	+/-0.133	0.0758	pCi/g					
Silver-108m	U	-0.00341	+/-0.0221	0.0184	+/-0.0216	0.0394	pCi/g					
Thallium-208		0.226	+/-0.0576	0.0211	+/-0.0565	0.0454	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium-90	U	0.0222	+/-0.0301	0.0286	+/-0.0306	0.0608	pCi/g		JMB1 12/01/04	1352	384353	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid-HTD2,ALL FSS												
Tritium	U	1.24	+/-5.06	4.20	+/-5.06	8.41	pCi/g		LAG1 12/03/04	0102	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	0800	384224

The following Analytical Methods were performed

Method	Description

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107-0000-193-SI
Sample ID: 126304015

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	89	(25%-125%)

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	3107-0000-193-SP	Project:	YANK01304
Sample ID:	126304016	Client ID:	YANK001
Matrix:	TS	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	13.6%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gamma,Solid-FSS GAM & ALL Ra-226 In-growth Waived												
Actinium-228		0.397	+/-0.148	0.0578	+/-0.145	0.129	pCi/g		AKB 12/04/04	1458	384321	1
Americium-241	U	0.0245	+/-0.119	0.0992	+/-0.116	0.209	pCi/g					
Bismuth-212	U	0.170	+/-0.205	0.140	+/-0.201	0.304	pCi/g					
Bismuth-214		0.409	+/-0.072	0.0327	+/-0.0706	0.071	pCi/g					
Cesium-134	U	0.0164	+/-0.0236	0.0216	+/-0.0232	0.0469	pCi/g					
Cesium-137		0.0471	+/-0.0259	0.0151	+/-0.0254	0.0334	pCi/g					
Cobalt-60	U	-0.0106	+/-0.0252	0.0198	+/-0.0247	0.0448	pCi/g					
Europium-152	U	-0.000711	+/-0.0514	0.044	+/-0.0504	0.0943	pCi/g					
Europium-154	U	0.0363	+/-0.0737	0.0663	+/-0.0722	0.147	pCi/g					
Europium-155	U	0.0334	+/-0.055	0.0537	+/-0.0539	0.113	pCi/g					
Lead-212		0.409	+/-0.0592	0.0266	+/-0.058	0.0562	pCi/g					
Lead-214		0.389	+/-0.0924	0.0302	+/-0.0906	0.0649	pCi/g					
Manganese-54	U	0.00811	+/-0.021	0.0185	+/-0.0206	0.0405	pCi/g					
Niobium-94	U	-0.0137	+/-0.0181	0.0141	+/-0.0177	0.0311	pCi/g					
Potassium-40		11.9	+/-1.02	0.149	+/-1.00	0.349	pCi/g					
Radium-226		0.409	+/-0.072	0.0327	+/-0.0706	0.071	pCi/g					
Silver-108m	U	0.00342	+/-0.0155	0.0142	+/-0.0152	0.0308	pCi/g					
Thallium-208		0.138	+/-0.0492	0.0154	+/-0.0482	0.0337	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium-90		0.198	+/-0.0388	0.024	+/-0.0623	0.0513	pCi/g		JMB1 12/01/04	1707	384353	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid-HTD2,ALL FSS												
Tritium	U	-0.124	+/-4.52	3.80	+/-4.52	7.60	pCi/g		LAG1 12/03/04	0134	384413	3

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	TC1	11/29/04	1647	384225
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	0800	384224

The following Analytical Methods were performed

Method	Description

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107–0000–193–SP
Sample ID: 126304016

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
1	EML HASL 300, 4.5.2.3										
2	EPA 905.0 Modified										
3	EPA 906.0 Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	93	(25%–125%)

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000–0000–103–C–1C–01	Project:	YANK01304
Sample ID:	126304017	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17–NOV–04		
Receive Date:	26–NOV–04		
Collector:	Client		
Moisture:	7.97%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid–GAM2,ALL2 (CT)													
Actinium–228		0.450	+/–0.179	0.0665	+/–0.176	0.150	pCi/g		AKB	12/04/04	1458	384321	1
Americium–241	U	0.00586	+/–0.0374	0.0328	+/–0.0367	0.0682	pCi/g						
Bismuth–212	U	0.236	+/–0.344	0.194	+/–0.337	0.420	pCi/g						
Bismuth–214		0.510	+/–0.120	0.0408	+/–0.118	0.0886	pCi/g						
Cesium–134	U	0.0239	+/–0.0325	0.0294	+/–0.0318	0.0636	pCi/g						
Cesium–137	U	0.00727	+/–0.0253	0.0223	+/–0.0248	0.0487	pCi/g						
Cobalt–60	U	0.00254	+/–0.0245	0.021	+/–0.024	0.0483	pCi/g						
Europium–152	U	0.0294	+/–0.0675	0.0592	+/–0.0661	0.126	pCi/g						
Europium–154	U	0.0368	+/–0.0883	0.0701	+/–0.0865	0.158	pCi/g						
Europium–155	U	0.0102	+/–0.0684	0.0553	+/–0.067	0.115	pCi/g						
Lead–212		0.432	+/–0.0779	0.0349	+/–0.0764	0.0732	pCi/g						
Lead–214		0.668	+/–0.121	0.0368	+/–0.119	0.079	pCi/g						
Manganese–54	U	0.0176	+/–0.030	0.0239	+/–0.0294	0.0523	pCi/g						
Niobium–94	U	–0.00564	+/–0.0228	0.0187	+/–0.0223	0.0412	pCi/g						
Potassium–40		7.68	+/–1.13	0.124	+/–1.10	0.312	pCi/g						
Radium–226		0.510	+/–0.120	0.0408	+/–0.118	0.0886	pCi/g						
Silver–108m	U	–0.000299	+/–0.023	0.0202	+/–0.0225	0.0434	pCi/g						
Thallium–208		0.189	+/–0.0575	0.0226	+/–0.0564	0.049	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium–90		0.0802	+/–0.037	0.0296	+/–0.0445	0.0637	pCi/g		JMB1	12/02/04	1251	384363	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid–HTD2,ALL2 (CT)													
Tritium		9.00	+/–2.02	1.37	+/–2.14	2.74	pCi/g		ATH1	12/05/04	2110	384414	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL–RAD–A–021B	DLD1	11/30/04	1254	384228
Dry Soil Prep	Dry Soil Prep GL–RAD–A–021	TC1	11/29/04	1044	384227
GL–RAD–A–026	Laboratory sample composite				384226

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–103–C–1C–01
Sample ID: 126304017

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	74	(25%–125%)

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

- * Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
- ** Indicates the analyte is a surrogate compound.
- B Target analyte was detected in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration of the target analyte exceeds the instrument calibration range.
- H Analytical holding time exceeded.
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the target analyte was analyzed for but not detected above the detection limit.
- UI Uncertain identification for gamma spectroscopy.
- X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
- h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-104-C-1C-01	Project:	YANK01304
Sample ID:	126304018	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	6.65%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)												
Actinium-228		0.422	+/-0.164	0.0526	+/-0.161	0.119	pCi/g		AKB 12/04/04	1458	384321	1
Americium-241	U	-0.0207	+/-0.0834	0.0715	+/-0.0818	0.150	pCi/g					
Bismuth-212	U	0.00	+/-0.310	0.116	+/-0.304	0.258	pCi/g					
	UI											
Bismuth-214		0.426	+/-0.0768	0.0294	+/-0.0752	0.0645	pCi/g					
Cesium-134	U	0.0261	+/-0.0206	0.0218	+/-0.0202	0.0475	pCi/g					
Cesium-137	U	0.00	+/-0.0314	0.0147	+/-0.0307	0.0327	pCi/g					
	UI											
Cobalt-60	U	0.0116	+/-0.0206	0.0172	+/-0.0202	0.0396	pCi/g					
Europium-152	U	0.00483	+/-0.047	0.043	+/-0.0461	0.0923	pCi/g					
Europium-154	U	-0.012	+/-0.0717	0.0584	+/-0.0703	0.131	pCi/g					
Europium-155	U	-0.000489	+/-0.0496	0.0463	+/-0.0487	0.0974	pCi/g					
Lead-212		0.394	+/-0.0506	0.0251	+/-0.0496	0.0531	pCi/g					
Lead-214		0.394	+/-0.0867	0.0308	+/-0.085	0.0662	pCi/g					
Manganese-54	U	0.0019	+/-0.0217	0.0192	+/-0.0213	0.042	pCi/g					
Niobium-94	U	0.0133	+/-0.0203	0.0183	+/-0.0199	0.0396	pCi/g					
Potassium-40		6.98	+/-0.862	0.146	+/-0.845	0.343	pCi/g					
Radium-226		0.426	+/-0.0768	0.0294	+/-0.0752	0.0645	pCi/g					
Silver-108m	U	0.0105	+/-0.0175	0.0164	+/-0.0172	0.0352	pCi/g					
Thallium-208		0.149	+/-0.048	0.0151	+/-0.047	0.0332	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium-90		0.090	+/-0.0339	0.0262	+/-0.0413	0.0562	pCi/g		JMB1 12/02/04	1251	384363	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)												
Tritium		12.5	+/-2.16	1.37	+/-2.37	2.75	pCi/g		ATH1 12/05/04	2142	384414	3
Solid Preparation												
Laboratory Composite												

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	DLD1	11/30/04	1254	384228
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1044	384227
GL-RAD-A-026	Laboratory sample composite				384226

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–104–C–1C–01
Sample ID: 126304018

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	87	(25%–125%)

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-105-C-1C-01	Project:	YANK01304
Sample ID:	126304019	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	4.93%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.305	+/-0.147	0.0487	+/-0.144	0.110	pCi/g		AKB	12/04/04	1749	384321	1
Americium-241	U	0.0256	+/-0.0934	0.0685	+/-0.0916	0.144	pCi/g						
Bismuth-212	U	0.192	+/-0.210	0.103	+/-0.206	0.230	pCi/g						
Bismuth-214		0.487	+/-0.090	0.0238	+/-0.0882	0.0529	pCi/g						
Cesium-134	U	0.00733	+/-0.0241	0.0171	+/-0.0236	0.038	pCi/g						
Cesium-137	U	-0.00452	+/-0.0173	0.0147	+/-0.017	0.0324	pCi/g						
Cobalt-60	U	0.0126	+/-0.026	0.0212	+/-0.0254	0.0473	pCi/g						
Europium-152	U	0.0297	+/-0.0489	0.0446	+/-0.0479	0.0951	pCi/g						
Europium-154	U	0.0339	+/-0.0585	0.0527	+/-0.0573	0.119	pCi/g						
Europium-155	U	0.0642	+/-0.0491	0.0497	+/-0.0481	0.104	pCi/g						
Lead-212		0.343	+/-0.0562	0.0229	+/-0.0551	0.0485	pCi/g						
Lead-214		0.506	+/-0.0837	0.0256	+/-0.082	0.0554	pCi/g						
Manganese-54	U	0.0115	+/-0.0192	0.0176	+/-0.0189	0.0387	pCi/g						
Niobium-94	U	-0.0085	+/-0.017	0.0139	+/-0.0166	0.0306	pCi/g						
Potassium-40		7.97	+/-1.02	0.173	+/-0.999	0.396	pCi/g						
Radium-226		0.487	+/-0.090	0.0238	+/-0.0882	0.0529	pCi/g						
Silver-108m	U	0.00358	+/-0.0166	0.0144	+/-0.0162	0.031	pCi/g						
Thallium-208		0.143	+/-0.0369	0.0159	+/-0.0362	0.0346	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90	U	0.0103	+/-0.0318	0.0313	+/-0.032	0.0671	pCi/g		JMB1	12/02/04	1251	384363	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)													
Tritium	U	1.21	+/-1.70	1.37	+/-1.70	2.75	pCi/g		ATH1	12/05/04	2214	384414	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	DLD1	11/30/04	1254	384228
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1044	384227
GL-RAD-A-026	Laboratory sample composite				384226

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000-0000-105-C-1C-01
Sample ID: 126304019

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	74	(25%-125%)

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-106-C-1C-01	Project:	YANK01304
Sample ID:	126304020	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	18-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	6.31%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.305	+/-0.133	0.0619	+/-0.130	0.137	pCi/g		AKB	12/04/04	1459	384321	1
Americium-241	U	-0.00231	+/-0.110	0.0926	+/-0.108	0.193	pCi/g						
Bismuth-212	U	0.246	+/-0.262	0.157	+/-0.257	0.340	pCi/g						
Bismuth-214		0.646	+/-0.0991	0.0419	+/-0.0972	0.0895	pCi/g						
Cesium-134	U	0.0261	+/-0.0246	0.0235	+/-0.0241	0.051	pCi/g						
Cesium-137	U	-0.0249	+/-0.0201	0.015	+/-0.0197	0.0333	pCi/g						
Cobalt-60	U	0.00343	+/-0.0269	0.0202	+/-0.0264	0.0455	pCi/g						
Europium-152	U	0.0235	+/-0.0598	0.0545	+/-0.0586	0.116	pCi/g						
Europium-154	U	-0.00435	+/-0.072	0.0609	+/-0.0705	0.136	pCi/g						
Europium-155	U	0.013	+/-0.0695	0.0637	+/-0.0681	0.133	pCi/g						
Lead-212		0.402	+/-0.0605	0.031	+/-0.0593	0.0652	pCi/g						
Lead-214		0.682	+/-0.107	0.0401	+/-0.105	0.0851	pCi/g						
Manganese-54	U	0.00382	+/-0.0226	0.0197	+/-0.0221	0.0429	pCi/g						
Niobium-94	U	-0.00486	+/-0.0211	0.018	+/-0.0207	0.039	pCi/g						
Potassium-40		8.24	+/-0.817	0.142	+/-0.801	0.335	pCi/g						
Radium-226		0.646	+/-0.0991	0.0419	+/-0.0972	0.0895	pCi/g						
Silver-108m	U	0.00853	+/-0.0198	0.0178	+/-0.0194	0.0383	pCi/g						
Thallium-208		0.118	+/-0.0499	0.0191	+/-0.0489	0.0413	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90	U	-0.00086	+/-0.0255	0.0261	+/-0.0255	0.0567	pCi/g		JMB1	12/02/04	1251	384363	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)													
Tritium	U	1.05	+/-1.69	1.38	+/-1.70	2.76	pCi/g		ATH1	12/05/04	2245	384414	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	DLD1	11/30/04	1254	384228
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1044	384227
GL-RAD-A-026	Laboratory sample composite				384226

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–106–C–1C–01
Sample ID: 126304020

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	74	(25%–125%)

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

- * Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
- ** Indicates the analyte is a surrogate compound.
- B Target analyte was detected in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration of the target analyte exceeds the instrument calibration range.
- H Analytical holding time exceeded.
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the target analyte was analyzed for but not detected above the detection limit.
- UI Uncertain identification for gamma spectroscopy.
- X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
- h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	3107–0000–192–C–1C–01	Project:	YANK01304
Sample ID:	126304021	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	18–NOV–04		
Receive Date:	26–NOV–04		
Collector:	Client		
Moisture:	7.6%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid–GAM2,ALL2 (CT)												
Actinium–228		0.423	+/–0.141	0.0578	+/–0.138	0.128	pCi/g		AKB 12/04/04	1502	384330	1
Americium–241	U	0.0106	+/–0.0297	0.0232	+/–0.0291	0.0481	pCi/g					
Bismuth–212		0.417	+/–0.234	0.129	+/–0.229	0.282	pCi/g					
Bismuth–214		0.716	+/–0.118	0.0297	+/–0.115	0.0643	pCi/g					
Cesium–134	U	0.0432	+/–0.0232	0.0234	+/–0.0227	0.0503	pCi/g					
Cesium–137	U	–0.0021	+/–0.0229	0.0173	+/–0.0225	0.0376	pCi/g					
Cobalt–60	U	0.00176	+/–0.021	0.0179	+/–0.0205	0.0404	pCi/g					
Europium–152	U	0.0122	+/–0.0518	0.0418	+/–0.0507	0.0889	pCi/g					
Europium–154	U	0.0413	+/–0.051	0.0488	+/–0.050	0.110	pCi/g					
Europium–155	U	0.0197	+/–0.0453	0.0432	+/–0.0444	0.0897	pCi/g					
Lead–212		0.381	+/–0.0583	0.0245	+/–0.0572	0.0513	pCi/g					
Lead–214		0.686	+/–0.104	0.030	+/–0.102	0.0638	pCi/g					
Manganese–54	U	0.00553	+/–0.0233	0.0204	+/–0.0228	0.0439	pCi/g					
Niobium–94	U	–0.00253	+/–0.0187	0.0162	+/–0.0184	0.035	pCi/g					
Potassium–40		7.52	+/–0.940	0.111	+/–0.921	0.268	pCi/g					
Radium–226		0.716	+/–0.118	0.0297	+/–0.115	0.0643	pCi/g					
Silver–108m	U	0.00996	+/–0.0155	0.0144	+/–0.0152	0.0308	pCi/g					
Thallium–208		0.130	+/–0.0509	0.0155	+/–0.0498	0.0337	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium–90		1.09	+/–0.0824	0.0276	+/–0.309	0.0591	pCi/g		JMB1 12/02/04	1251	384363	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid–HTD2,ALL2 (CT)												
Tritium		3.76	+/–1.80	1.36	+/–1.82	2.73	pCi/g		ATH1 12/05/04	2317	384414	3
Solid Preparation												
Laboratory Composite												

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL–RAD–A–021B	DLD1	11/30/04	1254	384228
Dry Soil Prep	Dry Soil Prep GL–RAD–A–021	TC1	11/29/04	1044	384227
GL–RAD–A–026	Laboratory sample composite				384226

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107–0000–192–C–1C–01
Sample ID: 126304021

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	84	(25%–125%)

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

- * Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
- ** Indicates the analyte is a surrogate compound.
- B Target analyte was detected in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration of the target analyte exceeds the instrument calibration range.
- H Analytical holding time exceeded.
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the target analyte was analyzed for but not detected above the detection limit.
- UI Uncertain identification for gamma spectroscopy.
- X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
- h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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Certificate of Analysis

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	3107-0000-193-C-1C-01	Project:	YANK01304
Sample ID:	126304022	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	4.52%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.322	+/-0.129	0.0474	+/-0.127	0.106	pCi/g		AKB	12/04/04	1746	384330	1
Americium-241	U	0.0216	+/-0.0756	0.0644	+/-0.0741	0.135	pCi/g						
Bismuth-212		0.279	+/-0.258	0.113	+/-0.252	0.249	pCi/g						
Bismuth-214		0.399	+/-0.0951	0.0267	+/-0.0932	0.0582	pCi/g						
Cesium-134	U	0.0105	+/-0.0234	0.0206	+/-0.0229	0.0445	pCi/g						
Cesium-137	U	0.00772	+/-0.016	0.0146	+/-0.0157	0.0319	pCi/g						
Cobalt-60	U	0.00688	+/-0.0244	0.0187	+/-0.0239	0.0419	pCi/g						
Europium-152	U	0.0103	+/-0.0428	0.0376	+/-0.042	0.0805	pCi/g						
Europium-154	U	0.00875	+/-0.0666	0.0497	+/-0.0653	0.111	pCi/g						
Europium-155	U	0.0238	+/-0.0415	0.0411	+/-0.0407	0.0861	pCi/g						
Lead-212		0.293	+/-0.0574	0.0319	+/-0.0562	0.0661	pCi/g						
Lead-214		0.445	+/-0.0883	0.027	+/-0.0866	0.0578	pCi/g						
Manganese-54	U	-3.380E-05	+/-0.019	0.0159	+/-0.0186	0.0347	pCi/g						
Niobium-94	U	-0.0064	+/-0.0173	0.0142	+/-0.017	0.0308	pCi/g						
Potassium-40		7.35	+/-0.876	0.114	+/-0.858	0.273	pCi/g						
Radium-226		0.399	+/-0.0951	0.0267	+/-0.0932	0.0582	pCi/g						
Silver-108m	U	0.00842	+/-0.0157	0.0148	+/-0.0154	0.0315	pCi/g						
Thallium-208		0.0992	+/-0.0294	0.0134	+/-0.0288	0.0294	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90		1.07	+/-0.0837	0.0265	+/-0.322	0.0571	pCi/g		JMB1	12/02/04	1251	384363	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)													
Tritium	U	1.14	+/-1.64	1.33	+/-1.65	2.67	pCi/g		ATH1	12/05/04	2349	384414	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	DLD1	11/30/04	1254	384228
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1044	384227
GL-RAD-A-026	Laboratory sample composite				384226

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107–0000–193–C–1C–01
Sample ID: 126304022

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	79	(25%–125%)

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

Certificate of Analysis

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-103-C-1C-02	Project:	YANK01304
Sample ID:	126304023	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	6.04%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.369	+/-0.118	0.0604	+/-0.116	0.133	pCi/g		AKB	12/04/04	1747	384330	1
Americium-241	U	0.0295	+/-0.0831	0.0713	+/-0.0814	0.149	pCi/g						
Bismuth-212		0.315	+/-0.273	0.128	+/-0.268	0.279	pCi/g						
Bismuth-214		0.379	+/-0.0793	0.0309	+/-0.0777	0.067	pCi/g						
Cesium-134	U	0.0129	+/-0.0273	0.0213	+/-0.0268	0.0461	pCi/g						
Cesium-137	U	-0.00568	+/-0.020	0.0163	+/-0.0196	0.0357	pCi/g						
Cobalt-60	U	0.00381	+/-0.0441	0.0142	+/-0.0432	0.0331	pCi/g						
Europium-152	U	0.0469	+/-0.0479	0.046	+/-0.047	0.0979	pCi/g						
Europium-154	U	-0.0426	+/-0.0602	0.0445	+/-0.059	0.102	pCi/g						
Europium-155	U	0.00844	+/-0.056	0.051	+/-0.0548	0.107	pCi/g						
Lead-212		0.354	+/-0.0508	0.025	+/-0.0498	0.0527	pCi/g						
Lead-214		0.504	+/-0.0896	0.0292	+/-0.0878	0.0625	pCi/g						
Manganese-54	U	-0.00387	+/-0.0206	0.0176	+/-0.0202	0.0385	pCi/g						
Niobium-94	U	0.00151	+/-0.0184	0.0156	+/-0.018	0.0338	pCi/g						
Potassium-40		6.98	+/-0.772	0.110	+/-0.757	0.268	pCi/g						
Radium-226		0.379	+/-0.0793	0.0309	+/-0.0777	0.067	pCi/g						
Silver-108m	U	-0.0104	+/-0.0161	0.0132	+/-0.0158	0.0287	pCi/g						
Thallium-208		0.101	+/-0.0412	0.0183	+/-0.0404	0.0394	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90	U	0.0264	+/-0.0328	0.0305	+/-0.0338	0.0657	pCi/g		JMB1	12/02/04	1251	384363	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)													
Tritium		37.1	+/-2.91	1.35	+/-4.05	2.71	pCi/g		ATH1	12/06/04	0021	384414	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	B J1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1102	384230
GL-RAD-A-026	Laboratory sample composite				384229

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Certificate of Analysis

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–103–C–1C–02
Sample ID: 126304023

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	73	(25%–125%)

Notes:
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BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-103-C-2C-01	Project:	YANK01304
Sample ID:	126304024	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	5.71%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)											
Actinium-228		0.374	+/-0.149	0.0613	+/-0.146	0.135	pCi/g		AKB 12/04/04	1747	384330 1
Americium-241	U	0.0278	+/-0.0176	0.0204	+/-0.0172	0.0426	pCi/g				
Bismuth-212		0.420	+/-0.253	0.114	+/-0.248	0.252	pCi/g				
Bismuth-214		0.435	+/-0.0941	0.0331	+/-0.0922	0.0713	pCi/g				
Cesium-134	U	0.0249	+/-0.0227	0.0216	+/-0.0222	0.0469	pCi/g				
Cesium-137	U	-0.00526	+/-0.0184	0.0156	+/-0.018	0.0343	pCi/g				
Cobalt-60	U	0.00405	+/-0.0239	0.0206	+/-0.0234	0.0459	pCi/g				
Europium-152	U	-0.0202	+/-0.0472	0.0408	+/-0.0463	0.0869	pCi/g				
Europium-154	U	0.000328	+/-0.0625	0.0531	+/-0.0613	0.119	pCi/g				
Europium-155	U	0.0385	+/-0.0416	0.0404	+/-0.0408	0.0842	pCi/g				
Lead-212		0.402	+/-0.0614	0.0224	+/-0.0602	0.0473	pCi/g				
Lead-214		0.425	+/-0.101	0.0303	+/-0.099	0.0646	pCi/g				
Manganese-54	U	-0.0046	+/-0.022	0.0183	+/-0.0215	0.0399	pCi/g				
Niobium-94	U	-0.00348	+/-0.0185	0.0158	+/-0.0181	0.0343	pCi/g				
Potassium-40		7.84	+/-0.958	0.151	+/-0.939	0.349	pCi/g				
Radium-226		0.435	+/-0.0941	0.0331	+/-0.0922	0.0713	pCi/g				
Silver-108m	U	0.00967	+/-0.0159	0.0146	+/-0.0156	0.0314	pCi/g				
Thallium-208		0.146	+/-0.0451	0.017	+/-0.0442	0.0367	pCi/g				
Rad Gas Flow Proportional Counting											
GFPC, Sr90, solid Quick TAT											
Strontium-90	U	0.015	+/-0.025	0.0239	+/-0.0253	0.0513	pCi/g		JMB1 12/02/04	1252	384363 2
Rad Liquid Scintillation Analysis											
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)											
Tritium		6.38	+/-1.93	1.38	+/-1.99	2.76	pCi/g		ATH1 12/06/04	0052	384414 3
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	BJ1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1102	384230
GL-RAD-A-026	Laboratory sample composite				384229

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–103–C–2C–01
Sample ID: 126304024

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	95	(25%–125%)

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

The above sample is reported on a dry weight basis.

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Certificate of Analysis

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-103-C-3C-03	Project:	YANK01304
Sample ID:	126304025	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	6.95%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)											
Actinium-228		0.484	+/-0.125	0.0462	+/-0.123	0.0995	pCi/g		AKB 12/04/04	1748	384330 1
Americium-241	U	-0.0082	+/-0.0556	0.0479	+/-0.0545	0.0998	pCi/g				
Bismuth-212		0.600	+/-0.191	0.0855	+/-0.187	0.185	pCi/g				
Bismuth-214		0.414	+/-0.0747	0.0241	+/-0.0732	0.0513	pCi/g				
Cesium-134	U	0.00	+/-0.0182	0.0144	+/-0.0178	0.031	pCi/g				
	UI										
Cesium-137	U	-0.00822	+/-0.0161	0.0135	+/-0.0158	0.0287	pCi/g				
Cobalt-60	U	0.00149	+/-0.0148	0.0125	+/-0.0145	0.0278	pCi/g				
Europium-152	U	-0.0153	+/-0.0401	0.0346	+/-0.0393	0.0731	pCi/g				
Europium-154	U	0.0101	+/-0.0457	0.0394	+/-0.0448	0.0862	pCi/g				
Europium-155	U	0.0301	+/-0.0477	0.0422	+/-0.0468	0.0878	pCi/g				
Lead-212		0.414	+/-0.0551	0.022	+/-0.054	0.046	pCi/g				
Lead-214		0.526	+/-0.0804	0.0253	+/-0.0788	0.0533	pCi/g				
Manganese-54	U	-0.00517	+/-0.0149	0.0122	+/-0.0146	0.0264	pCi/g				
Niobium-94	U	0.000308	+/-0.0132	0.0115	+/-0.0129	0.0245	pCi/g				
Potassium-40		8.20	+/-0.842	0.111	+/-0.825	0.249	pCi/g				
Radium-226		0.414	+/-0.0747	0.0241	+/-0.0732	0.0513	pCi/g				
Silver-108m	U	-0.0037	+/-0.0133	0.0113	+/-0.0131	0.024	pCi/g				
Thallium-208		0.164	+/-0.0413	0.0124	+/-0.0405	0.0265	pCi/g				
Rad Gas Flow Proportional Counting											
GFPC, Sr90, solid Quick TAT											
Strontium-90	U	-0.00443	+/-0.0292	0.0302	+/-0.0292	0.0646	pCi/g		JMB1 12/02/04	1252	384363 2
Rad Liquid Scintillation Analysis											
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)											
Tritium		31.6	+/-2.74	1.35	+/-3.65	2.70	pCi/g		ATH1 12/06/04	0124	384414 3
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	BJ1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1102	384230
GL-RAD-A-026	Laboratory sample composite				384229

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–103–C–3C–03
Sample ID: 126304025

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	79	(25%–125%)

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

- * Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
- ** Indicates the analyte is a surrogate compound.
- B Target analyte was detected in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration of the target analyte exceeds the instrument calibration range.
- H Analytical holding time exceeded.
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the target analyte was analyzed for but not detected above the detection limit.
- UI Uncertain identification for gamma spectroscopy.
- X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
- h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-103-C-3C-04	Project:	YANK01304
Sample ID:	126304026	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	6.47%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.362	+/-0.124	0.0534	+/-0.122	0.120	pCi/g		AKB	12/04/04	2013	384330	1
Americium-241	U	-0.0178	+/-0.077	0.067	+/-0.0755	0.141	pCi/g						
Bismuth-212	U	0.360	+/-0.173	0.176	+/-0.170	0.377	pCi/g						
Bismuth-214		0.486	+/-0.0982	0.0296	+/-0.0963	0.0646	pCi/g						
Cesium-134	U UI	0.00	+/-0.0396	0.0213	+/-0.0388	0.0463	pCi/g						
Cesium-137	U	0.0094	+/-0.0209	0.0172	+/-0.0204	0.0375	pCi/g						
Cobalt-60	U	0.0229	+/-0.0228	0.0223	+/-0.0224	0.0496	pCi/g						
Europium-152	U	0.011	+/-0.0528	0.0465	+/-0.0517	0.0989	pCi/g						
Europium-154	U	-0.0252	+/-0.057	0.0423	+/-0.0559	0.0983	pCi/g						
Europium-155	U	0.0143	+/-0.0498	0.0479	+/-0.0489	0.100	pCi/g						
Lead-212		0.380	+/-0.060	0.0231	+/-0.0588	0.0489	pCi/g						
Lead-214		0.529	+/-0.0902	0.0293	+/-0.0884	0.0629	pCi/g						
Manganese-54	U	0.0219	+/-0.0137	0.014	+/-0.0135	0.0313	pCi/g						
Niobium-94	U	0.0066	+/-0.0178	0.0161	+/-0.0175	0.035	pCi/g						
Potassium-40		7.90	+/-0.962	0.174	+/-0.943	0.400	pCi/g						
Radium-226		0.486	+/-0.0982	0.0296	+/-0.0963	0.0646	pCi/g						
Silver-108m	U	-0.011	+/-0.0176	0.0139	+/-0.0173	0.0301	pCi/g						
Thallium-208		0.119	+/-0.0419	0.0151	+/-0.041	0.0332	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90	U	0.0168	+/-0.0367	0.0359	+/-0.0371	0.0762	pCi/g		JMB1	12/02/04	1252	384363	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)													
Tritium		23.4	+/-2.46	1.32	+/-3.02	2.64	pCi/g		ATH1	12/06/04	0156	384414	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	BJ1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1102	384230
GL-RAD-A-026	Laboratory sample composite				384229

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–103–C–3C–04
Sample ID: 126304026

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	75	(25%–125%)

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

- * Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
- ** Indicates the analyte is a surrogate compound.
- B Target analyte was detected in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration of the target analyte exceeds the instrument calibration range.
- H Analytical holding time exceeded.
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the target analyte was analyzed for but not detected above the detection limit.
- UI Uncertain identification for gamma spectroscopy.
- X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
- h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-104-C-1C-02	Project:	YANK01304
Sample ID:	126304027	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	5.5%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)												
Actinium-228		0.375	+/-0.160	0.0549	+/-0.157	0.122	pCi/g		AKB 12/04/04	2016	384330	1
Americium-241	U	0.107	+/-0.096	0.0656	+/-0.0941	0.137	pCi/g					
Bismuth-212	U	0.194	+/-0.169	0.161	+/-0.166	0.345	pCi/g					
Bismuth-214		0.445	+/-0.086	0.0274	+/-0.0843	0.0598	pCi/g					
Cesium-134	U	0.0258	+/-0.0353	0.0223	+/-0.0346	0.048	pCi/g					
Cesium-137	U	-0.0118	+/-0.0175	0.0142	+/-0.0172	0.0313	pCi/g					
Cobalt-60	U	-0.00373	+/-0.0196	0.0161	+/-0.0192	0.0368	pCi/g					
Europium-152	U	0.0353	+/-0.0464	0.0437	+/-0.0455	0.0931	pCi/g					
Europium-154	U	-0.00329	+/-0.0818	0.0595	+/-0.0801	0.132	pCi/g					
Europium-155	U	0.0024	+/-0.0514	0.0473	+/-0.0504	0.0988	pCi/g					
Lead-212		0.316	+/-0.0642	0.0358	+/-0.0629	0.0741	pCi/g					
Lead-214		0.425	+/-0.0847	0.0311	+/-0.083	0.0662	pCi/g					
Manganese-54	U	-0.0123	+/-0.0194	0.0153	+/-0.019	0.0338	pCi/g					
Niobium-94	U	0.00974	+/-0.0169	0.0156	+/-0.0166	0.0337	pCi/g					
Potassium-40		6.83	+/-0.883	0.126	+/-0.865	0.299	pCi/g					
Radium-226		0.445	+/-0.086	0.0274	+/-0.0843	0.0598	pCi/g					
Silver-108m	U	0.00811	+/-0.0154	0.0141	+/-0.0151	0.0303	pCi/g					
Thallium-208		0.116	+/-0.0373	0.0172	+/-0.0366	0.0371	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium-90	U	0.00359	+/-0.0286	0.0287	+/-0.0286	0.0612	pCi/g		JMB1 12/02/04	1252	384363	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)												
Tritium		32.2	+/-2.72	1.32	+/-3.62	2.64	pCi/g		ATH1 12/06/04	0228	384414	3
Solid Preparation												
Laboratory Composite												

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	BJ1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1102	384230
GL-RAD-A-026	Laboratory sample composite				384229

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000-0000-104-C-1C-02
Sample ID: 126304027

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	88	(25%-125%)

Notes:
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** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-104-C-2C-01	Project:	YANK01304
Sample ID:	126304028	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	6.19%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	M
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)												
Actinium-228		0.479	+/-0.116	0.0473	+/-0.114	0.107	pCi/g		AKB 12/04/04	2016	384330	1
Americium-241	U	-0.0631	+/-0.111	0.0872	+/-0.109	0.185	pCi/g					
Bismuth-212	U	0.00	+/-0.259	0.116	+/-0.254	0.256	pCi/g					
	UI											
Bismuth-214		0.436	+/-0.0805	0.0278	+/-0.0789	0.0609	pCi/g					
Cesium-134	U	0.0329	+/-0.0306	0.0219	+/-0.030	0.0474	pCi/g					
Cesium-137	U	0.0061	+/-0.0184	0.0165	+/-0.018	0.0361	pCi/g					
Cobalt-60	U	-0.00507	+/-0.0177	0.014	+/-0.0173	0.033	pCi/g					
Europium-152	U	0.0221	+/-0.0497	0.0446	+/-0.0487	0.0953	pCi/g					
Europium-154	U	0.0425	+/-0.0599	0.0456	+/-0.0587	0.105	pCi/g					
Europium-155	U	0.0526	+/-0.0511	0.0516	+/-0.0501	0.108	pCi/g					
Lead-212		0.350	+/-0.052	0.0278	+/-0.051	0.0585	pCi/g					
Lead-214		0.463	+/-0.0867	0.0251	+/-0.0849	0.0546	pCi/g					
Manganese-54	U	-0.00716	+/-0.0204	0.0165	+/-0.020	0.0362	pCi/g					
Niobium-94	U	-5.180E-05	+/-0.0172	0.0148	+/-0.0168	0.0323	pCi/g					
Potassium-40		6.41	+/-0.816	0.135	+/-0.800	0.320	pCi/g					
Radium-226		0.436	+/-0.0805	0.0278	+/-0.0789	0.0609	pCi/g					
Silver-108m	U	0.00811	+/-0.015	0.0142	+/-0.0147	0.0308	pCi/g					
Thallium-208		0.106	+/-0.0363	0.0159	+/-0.0355	0.0346	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid Quick TAT												
Strontium-90	U	0.0224	+/-0.0301	0.0284	+/-0.0308	0.0609	pCi/g		JMB1 12/02/04	1252	384363	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)												
Tritium	U	-0.158	+/-1.59	1.34	+/-1.59	2.68	pCi/g		ATH1 12/06/04	0300	384414	3
Solid Preparation												
Laboratory Composite												

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	B J1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1102	384230
GL-RAD-A-026	Laboratory sample composite				384229

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–104–C–2C–01
Sample ID: 126304028

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	80	(25%–125%)

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000–0000–104–C–3C–03	Project:	YANK01304
Sample ID:	126304029	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17–NOV–04		
Receive Date:	26–NOV–04		
Collector:	Client		
Moisture:	6.2%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid–GAM2,ALL2 (CT)													
Actinium–228	U UI	0.00	+/–0.140	0.119	+/–0.137	0.252	pCi/g		AKB	12/04/04	2017	384330	1
Americium–241	U	–0.00999	+/–0.0353	0.028	+/–0.0346	0.0582	pCi/g						
Bismuth–212	U	0.273	+/–0.239	0.135	+/–0.234	0.297	pCi/g						
Bismuth–214		0.440	+/–0.107	0.0374	+/–0.105	0.0808	pCi/g						
Cesium–134	U	0.0153	+/–0.026	0.0237	+/–0.0255	0.0515	pCi/g						
Cesium–137	U	–0.00294	+/–0.0216	0.0185	+/–0.0211	0.0405	pCi/g						
Cobalt–60	U	0.0123	+/–0.0178	0.0198	+/–0.0174	0.045	pCi/g						
Europium–152	U	0.0807	+/–0.0562	0.0544	+/–0.0551	0.115	pCi/g						
Europium–154	U	–0.0479	+/–0.0686	0.0522	+/–0.0672	0.119	pCi/g						
Europium–155	U UI	0.00	+/–0.0878	0.0484	+/–0.0861	0.101	pCi/g						
Lead–212		0.404	+/–0.0709	0.0271	+/–0.0695	0.0571	pCi/g						
Lead–214		0.576	+/–0.095	0.031	+/–0.0931	0.0667	pCi/g						
Manganese–54	U	0.0241	+/–0.0201	0.0197	+/–0.0197	0.0431	pCi/g						
Niobium–94	U	–0.00076	+/–0.0205	0.0177	+/–0.0201	0.0384	pCi/g						
Potassium–40		7.19	+/–0.897	0.169	+/–0.879	0.392	pCi/g						
Radium–226		0.440	+/–0.107	0.0374	+/–0.105	0.0808	pCi/g						
Silver–108m	U	0.0114	+/–0.0197	0.0186	+/–0.0193	0.0397	pCi/g						
Thallium–208		0.0748	+/–0.0593	0.0221	+/–0.0581	0.0474	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium–90	U	0.0148	+/–0.0302	0.0292	+/–0.0305	0.0626	pCi/g		JMB1	12/02/04	1252	384363	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid–HTD2,ALL2 (CT)													
Tritium		31.4	+/–2.76	1.36	+/–3.66	2.72	pCi/g		ATH1	12/06/04	0332	384414	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL–RAD–A–021B	BJ1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL–RAD–A–021	TC1	11/29/04	1102	384230
GL–RAD–A–026	Laboratory sample composite				384229

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–104–C–3C–03
Sample ID: 126304029

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	80	(25%–125%)

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-104-C-3C-04	Project:	YANK01304
Sample ID:	126304030	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	5.45%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.438	+/-0.148	0.0528	+/-0.145	0.119	pCi/g		AKB	12/04/04	2018	384330	1
Americium-241	U	0.049	+/-0.0819	0.0751	+/-0.0802	0.157	pCi/g						
Bismuth-212	U	0.0971	+/-0.344	0.111	+/-0.337	0.248	pCi/g						
Bismuth-214		0.344	+/-0.0862	0.0331	+/-0.0845	0.0717	pCi/g						
Cesium-134	U	0.00823	+/-0.024	0.0209	+/-0.0235	0.0456	pCi/g						
Cesium-137	U	-0.0115	+/-0.0187	0.0146	+/-0.0183	0.0324	pCi/g						
Cobalt-60	U	-5.550E-05	+/-0.0227	0.0163	+/-0.0222	0.0376	pCi/g						
Europium-152	U	-0.0121	+/-0.0515	0.0402	+/-0.0505	0.0866	pCi/g						
Europium-154	U	0.0486	+/-0.0669	0.0618	+/-0.0655	0.137	pCi/g						
Europium-155	U	0.0148	+/-0.0503	0.048	+/-0.0493	0.101	pCi/g						
Lead-212		0.366	+/-0.0521	0.0247	+/-0.051	0.0521	pCi/g						
Lead-214		0.416	+/-0.100	0.0307	+/-0.098	0.0658	pCi/g						
Manganese-54	U	-0.0115	+/-0.0204	0.0168	+/-0.020	0.037	pCi/g						
Niobium-94	U	0.0185	+/-0.0193	0.0173	+/-0.0189	0.0375	pCi/g						
Potassium-40		7.86	+/-0.799	0.128	+/-0.783	0.306	pCi/g						
Radium-226		0.344	+/-0.0862	0.0331	+/-0.0845	0.0717	pCi/g						
Silver-108m	U	0.00132	+/-0.0169	0.0151	+/-0.0165	0.0326	pCi/g						
Thallium-208		0.137	+/-0.0441	0.0157	+/-0.0432	0.0344	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90	U	-0.0164	+/-0.0242	0.0262	+/-0.0244	0.0556	pCi/g		JMB1	12/02/04	1252	384363	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)													
Tritium		39.6	+/-2.99	1.36	+/-4.25	2.73	pCi/g		ATH1	12/06/04	0403	384414	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	B J1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1102	384230
GL-RAD-A-026	Laboratory sample composite				384229

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–104–C–3C–04
Sample ID: 126304030

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery %	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	104	(25%–125%)

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

- * Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
- ** Indicates the analyte is a surrogate compound.
- B Target analyte was detected in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration of the target analyte exceeds the instrument calibration range.
- H Analytical holding time exceeded.
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- U Indicates the target analyte was analyzed for but not detected above the detection limit.
- UI Uncertain identification for gamma spectroscopy.
- X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
- h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-105-C-1C-02	Project:	YANK01304
Sample ID:	126304031	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	4.66%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)											
Actinium-228		0.350	+/-0.135	0.0586	+/-0.132	0.129	pCi/g		AKB 12/04/04	2018	384330 1
Americium-241	U	-0.0188	+/-0.0912	0.0744	+/-0.0894	0.155	pCi/g				
Bismuth-212	U	0.199	+/-0.158	0.116	+/-0.154	0.256	pCi/g				
Bismuth-214		0.403	+/-0.0778	0.0264	+/-0.0763	0.0579	pCi/g				
Cesium-134	U	0.00768	+/-0.0189	0.017	+/-0.0185	0.0374	pCi/g				
Cesium-137	U	-0.00308	+/-0.0175	0.0149	+/-0.0172	0.0328	pCi/g				
Cobalt-60	U	0.00962	+/-0.0188	0.0173	+/-0.0184	0.0392	pCi/g				
Europium-152	U	0.0219	+/-0.0497	0.0446	+/-0.0487	0.095	pCi/g				
Europium-154	U	-0.0422	+/-0.0647	0.0399	+/-0.0634	0.0923	pCi/g				
Europium-155	U	0.00934	+/-0.0487	0.0472	+/-0.0477	0.0987	pCi/g				
Lead-212		0.327	+/-0.0509	0.0239	+/-0.0498	0.0504	pCi/g				
Lead-214		0.538	+/-0.0894	0.0304	+/-0.0876	0.065	pCi/g				
Manganese-54	U	-0.00082	+/-0.0204	0.0172	+/-0.020	0.0375	pCi/g				
Niobium-94	U	0.0088	+/-0.0159	0.0146	+/-0.0156	0.0319	pCi/g				
Potassium-40		7.97	+/-0.900	0.121	+/-0.882	0.289	pCi/g				
Radium-226		0.403	+/-0.0778	0.0264	+/-0.0763	0.0579	pCi/g				
Silver-108m	U	0.00794	+/-0.0136	0.0131	+/-0.0134	0.0284	pCi/g				
Thallium-208		0.117	+/-0.034	0.0138	+/-0.0334	0.0303	pCi/g				
Rad Gas Flow Proportional Counting											
GFPC, Sr90, solid Quick TAT											
Strontium-90	U	-0.014	+/-0.0181	0.0201	+/-0.0183	0.0433	pCi/g		JMB1 12/02/04	1605	384363 2
Rad Liquid Scintillation Analysis											
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)											
Tritium	U	2.32	+/-1.50	1.18	+/-1.51	2.36	pCi/g		JLB1 12/03/04	0537	384419 3
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	BJ1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1102	384230
GL-RAD-A-026	Laboratory sample composite				384229

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–105–C–1C–02
Sample ID: 126304031

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	107	(25%–125%)

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

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** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-105-C-3C-01	Project:	YANK01304
Sample ID:	126304032	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	5.65%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.449	+/-0.174	0.0679	+/-0.170	0.148	pCi/g		AKB	12/04/04	2019	384330	1
Americium-241	U	0.023	+/-0.0953	0.0938	+/-0.0934	0.195	pCi/g						
Bismuth-212		0.402	+/-0.181	0.110	+/-0.178	0.244	pCi/g						
Bismuth-214		0.731	+/-0.0945	0.0346	+/-0.0926	0.0745	pCi/g						
Cesium-134	U	0.0324	+/-0.0452	0.0249	+/-0.0443	0.0534	pCi/g						
Cesium-137	U	0.00966	+/-0.0225	0.0207	+/-0.022	0.0444	pCi/g						
Cobalt-60	U	-0.0132	+/-0.0207	0.0159	+/-0.0203	0.0363	pCi/g						
Europium-152	U	-0.0191	+/-0.0589	0.0519	+/-0.0577	0.110	pCi/g						
Europium-154	U	0.0158	+/-0.0533	0.0479	+/-0.0522	0.108	pCi/g						
Europium-155	U	0.0251	+/-0.0638	0.0608	+/-0.0626	0.127	pCi/g						
Lead-212		0.366	+/-0.0619	0.0334	+/-0.0607	0.0698	pCi/g						
Lead-214		0.861	+/-0.0964	0.0376	+/-0.0945	0.0795	pCi/g						
Manganese-54	U	0.00715	+/-0.0186	0.0175	+/-0.0183	0.0381	pCi/g						
Niobium-94	U	0.0125	+/-0.019	0.0178	+/-0.0186	0.0383	pCi/g						
Potassium-40		7.85	+/-0.830	0.158	+/-0.814	0.360	pCi/g						
Radium-226		0.731	+/-0.0945	0.0346	+/-0.0926	0.0745	pCi/g						
Silver-108m	U	0.00347	+/-0.0197	0.0176	+/-0.0193	0.0375	pCi/g						
Thallium-208		0.101	+/-0.038	0.0199	+/-0.0372	0.0425	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90	U	-0.0161	+/-0.0267	0.0289	+/-0.0271	0.062	pCi/g		JMB1	12/02/04	1605	384363	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)													
Tritium	U	0.140	+/-1.31	1.09	+/-1.31	2.18	pCi/g		JLB1	12/03/04	0609	384419	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	B J1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1102	384230
GL-RAD-A-026	Laboratory sample composite				384229

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–105–C–3C–01
Sample ID: 126304032

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	76	(25%–125%)

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-105-C-4C-03	Project:	YANK01304
Sample ID:	126304033	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	4.92%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.302	+/-0.145	0.0489	+/-0.142	0.109	pCi/g		AKB	12/04/04	2019	384330	1
Americium-241	U	0.0311	+/-0.105	0.0944	+/-0.103	0.197	pCi/g						
Bismuth-212	U	0.253	+/-0.179	0.125	+/-0.176	0.271	pCi/g						
Bismuth-214		0.462	+/-0.0841	0.0318	+/-0.0824	0.068	pCi/g						
Cesium-134	U	0.00262	+/-0.0178	0.0153	+/-0.0174	0.0337	pCi/g						
Cesium-137	U	0.00112	+/-0.0173	0.015	+/-0.0169	0.0326	pCi/g						
Cobalt-60	U	0.0239	+/-0.0254	0.0159	+/-0.0249	0.0361	pCi/g						
Europium-152	U	-0.0145	+/-0.0414	0.0371	+/-0.0405	0.0792	pCi/g						
Europium-154	U	-0.0153	+/-0.0533	0.0431	+/-0.0522	0.0977	pCi/g						
Europium-155	U	-1.130E-05	+/-0.0476	0.0451	+/-0.0467	0.0943	pCi/g						
Lead-212		0.304	+/-0.0515	0.023	+/-0.0505	0.0483	pCi/g						
Lead-214		0.534	+/-0.085	0.0265	+/-0.0833	0.0566	pCi/g						
Manganese-54	U	-0.00594	+/-0.0189	0.0153	+/-0.0185	0.0334	pCi/g						
Niobium-94	U	-0.0101	+/-0.0158	0.0126	+/-0.0155	0.0275	pCi/g						
Potassium-40		6.89	+/-0.936	0.118	+/-0.917	0.278	pCi/g						
Radium-226		0.462	+/-0.0841	0.0318	+/-0.0824	0.068	pCi/g						
Silver-108m	U	0.000917	+/-0.0132	0.0119	+/-0.0129	0.0258	pCi/g						
Thallium-208	U	0.00	+/-0.028	0.0267	+/-0.0275	0.0558	pCi/g						
	UI												
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90	U	-0.0133	+/-0.0254	0.0283	+/-0.0257	0.0614	pCi/g		JMB1	12/02/04	1538	384365	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)													
Tritium	U	1.11	+/-1.36	1.10	+/-1.36	2.20	pCi/g		JLB1	12/03/04	0641	384419	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	BJ1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1102	384230
GL-RAD-A-026	Laboratory sample composite				384229

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–105–C–4C–03
Sample ID: 126304033

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	84	(25%–125%)

Notes:
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** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	3107-0000-192-C-2C-04	Project:	YANK01304
Sample ID:	126304041	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	18-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	7.84%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)											
Actinium-228		0.429	+/-0.134	0.0562	+/-0.132	0.125	pCi/g		AKB 12/04/04	1752	384336 1
Americium-241	U	-0.081	+/-0.127	0.0993	+/-0.125	0.209	pCi/g				
Bismuth-212		0.303	+/-0.225	0.125	+/-0.220	0.275	pCi/g				
Bismuth-214		0.459	+/-0.0806	0.0269	+/-0.079	0.0591	pCi/g				
Cesium-134	U	0.0101	+/-0.0198	0.0179	+/-0.0194	0.0395	pCi/g				
Cesium-137	U	-0.00606	+/-0.0181	0.015	+/-0.0177	0.033	pCi/g				
Cobalt-60	U	0.0196	+/-0.018	0.0182	+/-0.0176	0.0413	pCi/g				
Europium-152	U	0.0132	+/-0.0507	0.0446	+/-0.0497	0.0955	pCi/g				
Europium-154	U	0.0307	+/-0.0641	0.0581	+/-0.0628	0.130	pCi/g				
Europium-155	U	0.0592	+/-0.0586	0.0585	+/-0.0574	0.122	pCi/g				
Lead-212		0.462	+/-0.058	0.0253	+/-0.0569	0.0535	pCi/g				
Lead-214		0.540	+/-0.0832	0.0364	+/-0.0815	0.0772	pCi/g				
Manganese-54	U	0.0139	+/-0.0189	0.016	+/-0.0185	0.0353	pCi/g				
Niobium-94	U	-0.00975	+/-0.0184	0.0149	+/-0.018	0.0325	pCi/g				
Potassium-40		6.99	+/-0.895	0.180	+/-0.877	0.410	pCi/g				
Radium-226		0.459	+/-0.0806	0.0269	+/-0.079	0.0591	pCi/g				
Silver-108m	U	0.00651	+/-0.0155	0.0145	+/-0.0152	0.0314	pCi/g				
Thallium-208		0.154	+/-0.0466	0.0156	+/-0.0457	0.034	pCi/g				
Rad Gas Flow Proportional Counting											
GFPC, Sr90, solid Quick TAT											
Strontium-90	U	0.0303	+/-0.0268	0.0241	+/-0.0278	0.0524	pCi/g		JMB1 12/02/04	1712	384365 2
Rad Liquid Scintillation Analysis											
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)											
Tritium		5.21	+/-1.64	1.20	+/-1.67	2.40	pCi/g		JLB1 12/03/04	1057	384419 3
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	B J1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1103	384230
GL-RAD-A-026	Laboratory sample composite				384229

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Certificate of Analysis

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Address : Haddam Neck Plant
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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107–0000–192–C–2C–04
Sample ID: 126304041

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	93	(25%–125%)

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

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BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	3107-0000-193-C-1C-02	Project:	YANK01304
Sample ID:	126304042	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	4.8%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.486	+/-0.202	0.0759	+/-0.198	0.166	pCi/g		AKB	12/04/04	1753	384336	1
Americium-241	U	0.00528	+/-0.0343	0.0281	+/-0.0336	0.0583	pCi/g						
Bismuth-212	U	0.157	+/-0.245	0.157	+/-0.240	0.342	pCi/g						
Bismuth-214		0.510	+/-0.119	0.0396	+/-0.117	0.0852	pCi/g						
Cesium-134	U	0.0375	+/-0.0275	0.0242	+/-0.027	0.0525	pCi/g						
Cesium-137	U	-0.00777	+/-0.0207	0.0172	+/-0.0203	0.0379	pCi/g						
Cobalt-60	U	0.0119	+/-0.0232	0.0213	+/-0.0228	0.0479	pCi/g						
Europium-152	U	-0.0116	+/-0.0683	0.051	+/-0.0669	0.108	pCi/g						
Europium-154	U	-0.0244	+/-0.0688	0.0557	+/-0.0675	0.126	pCi/g						
Europium-155	U	0.0228	+/-0.0553	0.0533	+/-0.0542	0.111	pCi/g						
Lead-212		0.454	+/-0.0725	0.0293	+/-0.0711	0.0616	pCi/g						
Lead-214		0.662	+/-0.112	0.035	+/-0.110	0.0747	pCi/g						
Manganese-54	U	0.00792	+/-0.0215	0.0191	+/-0.021	0.042	pCi/g						
Niobium-94	U	0.00546	+/-0.0189	0.0169	+/-0.0186	0.037	pCi/g						
Potassium-40		7.67	+/-1.03	0.176	+/-1.01	0.406	pCi/g						
Radium-226		0.510	+/-0.119	0.0396	+/-0.117	0.0852	pCi/g						
Silver-108m	U	-0.00553	+/-0.019	0.0168	+/-0.0187	0.0361	pCi/g						
Thallium-208		0.145	+/-0.0469	0.0174	+/-0.046	0.038	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90	U	0.00361	+/-0.0318	0.0327	+/-0.0318	0.0699	pCi/g		JMB1	12/02/04	1712	384365	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)													
Tritium	U	1.24	+/-1.45	1.17	+/-1.45	2.34	pCi/g		JLB1	12/03/04	1130	384419	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	BJ1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1103	384230
GL-RAD-A-026	Laboratory sample composite				384229

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107-0000-193-C-1C-02
Sample ID: 126304042

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	85	(25%-125%)

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

The above sample is reported on a dry weight basis.

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	3107-0000-193-C-2C-03	Project:	YANK01304
Sample ID:	126304043	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	5.77%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.401	+/-0.111	0.0629	+/-0.109	0.139	pCi/g		AKB	12/04/04	1753	384336	1
Americium-241	U	0.00694	+/-0.0881	0.078	+/-0.0863	0.163	pCi/g						
Bismuth-212	U	0.250	+/-0.197	0.123	+/-0.193	0.272	pCi/g						
Bismuth-214		0.566	+/-0.0913	0.0306	+/-0.0895	0.0666	pCi/g						
Cesium-134	U	0.00452	+/-0.0226	0.0194	+/-0.0221	0.0425	pCi/g						
Cesium-137	U	0.00519	+/-0.0227	0.0176	+/-0.0223	0.0384	pCi/g						
Cobalt-60	U	-0.00153	+/-0.0223	0.0183	+/-0.0218	0.0416	pCi/g						
Europium-152	U	0.0172	+/-0.0491	0.046	+/-0.0481	0.098	pCi/g						
Europium-154	U	-0.0118	+/-0.0709	0.0579	+/-0.0694	0.129	pCi/g						
Europium-155	U	-0.0208	+/-0.0558	0.0514	+/-0.0547	0.108	pCi/g						
Lead-212		0.356	+/-0.0503	0.0271	+/-0.0493	0.057	pCi/g						
Lead-214		0.607	+/-0.0841	0.0346	+/-0.0824	0.0737	pCi/g						
Manganese-54	U	0.00617	+/-0.0181	0.0165	+/-0.0177	0.0365	pCi/g						
Niobium-94	U	0.0178	+/-0.0187	0.0175	+/-0.0183	0.0379	pCi/g						
Potassium-40		7.57	+/-0.823	0.161	+/-0.807	0.372	pCi/g						
Radium-226		0.566	+/-0.0913	0.0306	+/-0.0895	0.0666	pCi/g						
Silver-108m	U	-0.00241	+/-0.0157	0.0138	+/-0.0154	0.0299	pCi/g						
Thallium-208		0.149	+/-0.0446	0.0166	+/-0.0437	0.0362	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90	U	-0.0212	+/-0.0249	0.0285	+/-0.0255	0.0614	pCi/g		JMB1	12/02/04	1935	384365	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)													
Tritium		3.99	+/-2.18	1.70	+/-2.21	3.39	pCi/g		JLB1	12/04/04	0532	384419	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	BJ1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1103	384230
GL-RAD-A-026	Laboratory sample composite				384229

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Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107–0000–193–C–2C–03
Sample ID: 126304043

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL–RAD–A–026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	85	(25%–125%)

Notes:
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UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	3107-0000-193-C-2C-04	Project:	YANK01304
Sample ID:	126304044	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	5.78%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.324	+/-0.122	0.051	+/-0.119	0.114	pCi/g		AKB	12/04/04	1754	384336	1
Americium-241	U	0.00759	+/-0.0434	0.0654	+/-0.0426	0.138	pCi/g						
Bismuth-212		0.473	+/-0.272	0.103	+/-0.267	0.229	pCi/g						
Bismuth-214		0.419	+/-0.0759	0.0291	+/-0.0744	0.0632	pCi/g						
Cesium-134	U	0.0384	+/-0.0293	0.0193	+/-0.0287	0.042	pCi/g						
Cesium-137	U	-0.00285	+/-0.0173	0.0147	+/-0.017	0.0324	pCi/g						
Cobalt-60	U	-0.00411	+/-0.0187	0.0152	+/-0.0183	0.035	pCi/g						
Europium-152	U	-0.00528	+/-0.0462	0.0395	+/-0.0452	0.0847	pCi/g						
Europium-154	U	-0.0219	+/-0.0612	0.0492	+/-0.0599	0.111	pCi/g						
Europium-155	U	0.0395	+/-0.0465	0.0466	+/-0.0455	0.0974	pCi/g						
Lead-212		0.362	+/-0.0593	0.0224	+/-0.0581	0.0474	pCi/g						
Lead-214		0.556	+/-0.0939	0.0268	+/-0.092	0.0577	pCi/g						
Manganese-54	U	0.00268	+/-0.0194	0.0167	+/-0.019	0.0365	pCi/g						
Niobium-94	U	0.0211	+/-0.0281	0.017	+/-0.0275	0.0366	pCi/g						
Potassium-40		8.29	+/-0.951	0.121	+/-0.932	0.289	pCi/g						
Radium-226		0.419	+/-0.0759	0.0291	+/-0.0744	0.0632	pCi/g						
Silver-108m	U UI	0.00	+/-0.0201	0.015	+/-0.0197	0.0321	pCi/g						
Thallium-208		0.125	+/-0.0376	0.0156	+/-0.0368	0.034	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid Quick TAT													
Strontium-90	U	-0.0089	+/-0.0256	0.0279	+/-0.0258	0.0605	pCi/g		JMB1	12/02/04	1934	384365	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)													
Tritium		14.6	+/-2.49	1.64	+/-2.76	3.27	pCi/g		JLB1	12/04/04	0604	384419	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	BJ1	11/30/04	1424	384231
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1103	384230
GL-RAD-A-026	Laboratory sample composite				384229

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Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107-0000-193-C-2C-04
Sample ID: 126304044

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid Quick TAT	81	(25%-125%)

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- H Analytical holding time exceeded.
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- U Indicates the target analyte was analyzed for but not detected above the detection limit.
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
- h Sample preparation or preservation holding time exceeded.

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000–0000–103–C–1C–01	Project:	YANK01304
Sample ID:	126304045	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17–NOV–04		
Receive Date:	26–NOV–04		
Collector:	Client		
Moisture:	7.97%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid–TRU2,ALL2 (CT)													
Americium–241	U	0.0251	+/–0.0317	0.0225	+/–0.0318	0.0558	pCi/g		JAS1	12/03/04	1728	384469	1
Curium–242	U	–0.0187	+/–0.0172	0.0209	+/–0.0173	0.0535	pCi/g						
Curium–243/244	U	–0.00274	+/–0.0377	0.0347	+/–0.0377	0.0802	pCi/g						
Alphaspec Pu, Solid–TRU2,ALL2 (CT)													
Plutonium–238	U	0.00945	+/–0.0373	0.0321	+/–0.0373	0.0739	pCi/g		JAS1	12/03/04	1728	384470	2
Plutonium–239/240	U	0.00305	+/–0.0152	0.0124	+/–0.0152	0.0347	pCi/g						
Liquid Scint Pu241, Solid–TRU2,ALL2 (CT)													
Plutonium–241	U	0.0634	+/–1.70	1.43	+/–1.70	2.94	pCi/g		JAS1	12/07/04	1233	384471	3
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid–HTD2,ALL2 (CT)													
Carbon–14	U	–0.06	+/–0.280	0.237	+/–0.280	0.487	pCi/g		LAG1	12/01/04	0929	384423	4
Liquid Scint Fe55, Solid–HTD2,ALL2 (CT)													
Iron–55	U	–3.22	+/–2.37	1.75	+/–2.38	3.55	pCi/g		JLB1	12/09/04	1836	384424	5
Liquid Scint Ni63, Solid–HTD2,ALL2 (CT)													
Nickel–63		1.64	+/–0.813	0.646	+/–0.815	1.32	pCi/g		JLB1	12/05/04	1050	384425	6
Liquid Scint Tc99, Solid–HTD2,ALL2 (CT)													
Technetium–99	U	–0.606	+/–0.457	0.400	+/–0.457	0.822	pCi/g		EGD1	12/05/04	1714	384420	7

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL–RAD–A–021B	DLD1	11/30/04	1254	384228
Dry Soil Prep	Dry Soil Prep GL–RAD–A–021	TC1	11/29/04	1044	384227

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL–300, Am–05–RC Modified
2	DOE EML HASL–300, Pu–11–RC Modified
3	DOE EML HASL–300, Pu–11–RC Modified
4	EPA EERF C–01 Modified
5	DOE RESL Fe–1, Modified
6	DOE RESL Ni–1, Modified

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Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000-0000-103-C-1C-01
Sample ID: 126304045

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
7	DOE EML HASL-300, Tc-02-RC Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TRI	90	(25%-125%)
Plutonium-242	Alphaspec Pu, Solid-TRU2,ALL2	96	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid-TRU2,/	79	
Carrier/Tracer Recovery	Liquid Scint Fe55, Solid-HTD2,Al	34	
Carrier/Tracer Recovery	Liquid Scint Ni63, Solid-HTD2,Al	49	
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,A	82	

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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-104-C-1C-01	Project:	YANK01304
Sample ID:	126304046	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	6.65%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2,ALL2 (CT)													
Americium-241		0.0361	+/-0.0275	0.0118	+/-0.0277	0.035	pCi/g		JAS1	12/03/04	1728	384469	1
Curium-242	U	0.00381	+/-0.019	0.0155	+/-0.019	0.0433	pCi/g						
Curium-243/244	U	0.0292	+/-0.0408	0.0312	+/-0.0409	0.0738	pCi/g						
Alphaspec Pu, Solid-TRU2,ALL2 (CT)													
Plutonium-238	U	0.0149	+/-0.0371	0.0303	+/-0.0371	0.0726	pCi/g		JAS1	12/03/04	1728	384470	2
Plutonium-239/240	U	0.00939	+/-0.0231	0.0175	+/-0.0231	0.0469	pCi/g						
Liquid Scint Pu241, Solid-TRU2,ALL2 (CT)													
Plutonium-241	U	-1.1	+/-1.56	1.34	+/-1.56	2.75	pCi/g		JAS1	12/07/04	1305	384471	3
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	-0.0334	+/-0.272	0.230	+/-0.272	0.472	pCi/g		LAG1	12/01/04	1001	384423	4
Liquid Scint Fe55, Solid-HTD2,ALL2 (CT)													
Iron-55	U	-4.0	+/-2.43	1.76	+/-2.44	3.57	pCi/g		JLB1	12/09/04	2041	384424	5
Liquid Scint Ni63, Solid-HTD2,ALL2 (CT)													
Nickel-63		1.74	+/-0.858	0.682	+/-0.860	1.40	pCi/g		JLB1	12/05/04	1152	384425	6
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.894	+/-0.477	0.425	+/-0.477	0.873	pCi/g		EGD1	12/05/04	1747	384420	7

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	DLD1	11/30/04	1254	384228
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1044	384227

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Pu-11-RC Modified
3	DOE EML HASL-300, Pu-11-RC Modified
4	EPA EERF C-01 Modified
5	DOE RESL Fe-1, Modified
6	DOE RESL Ni-1, Modified

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000-0000-104-C-1C-01
Sample ID: 126304046

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
7	DOE EML HASL-300, Tc-02-RC Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TRI	81	(25%-125%)
Plutonium-242	Alphaspec Pu, Solid-TRU2,ALL2	97	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid-TRU2,/	84	
Carrier/Tracer Recovery	Liquid Scint Fe55, Solid-HTD2,Al	45	
Carrier/Tracer Recovery	Liquid Scint Ni63, Solid-HTD2,Al	46	
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,A	78	

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

* Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
** Indicates the analyte is a surrogate compound.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-105-C-1C-01	Project:	YANK01304
Sample ID:	126304047	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	17-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	4.93%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2,ALL2 (CT)													
Americium-241	U	-0.00128	+/-0.0209	0.0193	+/-0.0209	0.0495	pCi/g		JAS1	12/03/04	1728	384469	1
Curium-242	U	-0.00687	+/-0.018	0.019	+/-0.0181	0.0495	pCi/g						
Curium-243/244	U	0.00128	+/-0.0383	0.0344	+/-0.0383	0.0797	pCi/g						
Alphaspec Pu, Solid-TRU2,ALL2 (CT)													
Plutonium-238	U	-0.000676	+/-0.0156	0.0144	+/-0.0156	0.0403	pCi/g		JAS1	12/03/04	1728	384470	2
Plutonium-239/240	U	0.00355	+/-0.0177	0.0144	+/-0.0177	0.0403	pCi/g						
Liquid Scint Pu241, Solid-TRU2,ALL2 (CT)													
Plutonium-241	U	-0.637	+/-2.08	1.76	+/-2.08	3.63	pCi/g		JAS1	12/07/04	1337	384471	3
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	-0.187	+/-0.265	0.228	+/-0.265	0.468	pCi/g		LAG1	12/01/04	1033	384423	4
Liquid Scint Fe55, Solid-HTD2,ALL2 (CT)													
Iron-55	U	-2.47	+/-3.06	2.29	+/-3.06	4.63	pCi/g		JLB1	12/09/04	2246	384424	5
Liquid Scint Ni63, Solid-HTD2,ALL2 (CT)													
Nickel-63		2.66	+/-1.12	0.885	+/-1.13	1.81	pCi/g		JLB1	12/05/04	1254	384425	6
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.689	+/-0.479	0.421	+/-0.479	0.865	pCi/g		EGD1	12/05/04	1819	384420	7

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	DLD1	11/30/04	1254	384228
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1044	384227

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Pu-11-RC Modified
3	DOE EML HASL-300, Pu-11-RC Modified
4	EPA EERF C-01 Modified
5	DOE RESL Fe-1, Modified
6	DOE RESL Ni-1, Modified

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000–0000–105–C–1C–01
Sample ID: 126304047

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
7	DOE EML HASL–300, Tc–02–RC Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium–243	Alphaspec Am241, Cm, Solid–TRI	85	(25%–125%)
Plutonium–242	Alphaspec Pu, Solid–TRU2,ALL2	98	(15%–125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid–TRU2,/	65	
Carrier/Tracer Recovery	Liquid Scint Fe55, Solid–HTD2,Al	27	
Carrier/Tracer Recovery	Liquid Scint Ni63, Solid–HTD2,Al	37	
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid–HTD2,A	81	

Notes:
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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID:	5000-0000-106-C-1C-01	Project:	YANK01304
Sample ID:	126304048	Client ID:	YANK001
Matrix:	CR	Vol. Recv.:	
Collect Date:	18-NOV-04		
Receive Date:	26-NOV-04		
Collector:	Client		
Moisture:	6.31%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2,ALL2 (CT)													
Americium-241	U	0.0269	+/-0.0339	0.024	+/-0.034	0.0597	pCi/g		JAS1	12/03/04	1728	384469	1
Curium-242	U	0.0151	+/-0.0192	0.00909	+/-0.0192	0.0306	pCi/g						
Curium-243/244	U	0.0145	+/-0.036	0.0295	+/-0.0361	0.0706	pCi/g						
Alphaspec Pu, Solid-TRU2,ALL2 (CT)													
Plutonium-238	U	-0.0227	+/-0.0209	0.0251	+/-0.021	0.0606	pCi/g		JAS1	12/03/04	1728	384470	2
Plutonium-239/240	U	0.0169	+/-0.0245	0.0169	+/-0.0245	0.0442	pCi/g						
Liquid Scint Pu241, Solid-TRU2,ALL2 (CT)													
Plutonium-241	U	-1.15	+/-1.62	1.39	+/-1.62	2.86	pCi/g		JAS1	12/07/04	1409	384471	3
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	-0.0381	+/-0.275	0.232	+/-0.275	0.476	pCi/g		LAG1	12/01/04	1105	384423	4
Liquid Scint Fe55, Solid-HTD2,ALL2 (CT)													
Iron-55	U	-3.11	+/-2.72	2.04	+/-2.72	4.13	pCi/g		JLB1	12/10/04	0051	384424	5
Liquid Scint Ni63, Solid-HTD2,ALL2 (CT)													
Nickel-63		1.63	+/-0.858	0.685	+/-0.860	1.40	pCi/g		JLB1	12/05/04	1356	384425	6
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.387	+/-0.463	0.400	+/-0.463	0.821	pCi/g		EGD1	12/05/04	1851	384420	7

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	DLD1	11/30/04	1254	384228
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1044	384227

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Pu-11-RC Modified
3	DOE EML HASL-300, Pu-11-RC Modified
4	EPA EERF C-01 Modified
5	DOE RESL Fe-1, Modified
6	DOE RESL Ni-1, Modified

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 5000-0000-106-C-1C-01
Sample ID: 126304048

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
7	DOE EML HASL-300, Tc-02-RC Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TRI	72	(25%-125%)
Plutonium-242	Alphaspec Pu, Solid-TRU2,ALL2	96	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid-TRU2,A	82	
Carrier/Tracer Recovery	Liquid Scint Fe55, Solid-HTD2,A	27	
Carrier/Tracer Recovery	Liquid Scint Ni63, Solid-HTD2,A	46	
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,A	81	

Notes:
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107-0000-192-C-1C-01
Sample ID: 126304049
Matrix: CR
Collect Date: 18-NOV-04
Receive Date: 26-NOV-04
Collector: Client
Moisture: 7.6%

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2,ALL2 (CT)													
Americium-241	U	-0.0231	+/-0.0392	0.0404	+/-0.0393	0.0946	pCi/g		JAS1	12/03/04	1728	384469	1
Curium-242	U	0.000657	+/-0.0242	0.0216	+/-0.0242	0.058	pCi/g						
Curium-243/244	U	0.0291	+/-0.0363	0.0248	+/-0.0365	0.0634	pCi/g						
Alphaspec Pu, Solid-TRU2,ALL2 (CT)													
Plutonium-238	U	-0.00315	+/-0.0246	0.0231	+/-0.0246	0.0574	pCi/g		JAS1	12/03/04	1728	384470	2
Plutonium-239/240	U	0.0058	+/-0.0224	0.0183	+/-0.0224	0.0477	pCi/g						
Liquid Scint Pu241, Solid-TRU2,ALL2 (CT)													
Plutonium-241	U	1.02	+/-2.17	1.80	+/-2.18	3.69	pCi/g		JAS1	12/07/04	1441	384471	3
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	0.389	+/-0.288	0.230	+/-0.288	0.474	pCi/g		LAG1	12/01/04	1137	384423	4
Liquid Scint Fe55, Solid-HTD2,ALL2 (CT)													
Iron-55	U	-2.77	+/-2.76	2.06	+/-2.76	4.18	pCi/g		JLB1	12/10/04	0256	384424	5
Liquid Scint Ni63, Solid-HTD2,ALL2 (CT)													
Nickel-63		2.12	+/-0.887	0.698	+/-0.890	1.43	pCi/g		JLB1	12/05/04	1457	384425	6
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.491	+/-0.474	0.411	+/-0.474	0.845	pCi/g		EGD1	12/05/04	1923	384420	7

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	DLD1	11/30/04	1254	384228
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	TC1	11/29/04	1044	384227

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Pu-11-RC Modified
3	DOE EML HASL-300, Pu-11-RC Modified
4	EPA EERF C-01 Modified
5	DOE RESL Fe-1, Modified
6	DOE RESL Ni-1, Modified

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107–0000–192–C–1C–01
Sample ID: 126304049

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
7	DOE EML HASL–300, Tc–02–RC Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium–243	Alphaspec Am241, Cm, Solid–TR!	77	(25%–125%)
Plutonium–242	Alphaspec Pu, Solid–TRU2,ALL2	96	(15%–125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid–TRU2,/	63	
Carrier/Tracer Recovery	Liquid Scint Fe55, Solid–HTD2,A]	28	
Carrier/Tracer Recovery	Liquid Scint Ni63, Solid–HTD2,A]	46	
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid–HTD2,A.	83	

Notes:
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BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab–specific qualifier–please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107–0000–193–C–1C–01
Sample ID: 126304050
Matrix: CR
Collect Date: 17–NOV–04
Receive Date: 26–NOV–04
Collector: Client
Moisture: 4.52%

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	M
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid–TRU2,ALL2 (CT)													
Americium–241	U	0.0218	+/–0.0316	0.0234	+/–0.0317	0.0575	pCi/g		JAS1	12/03/04	1728	384469	1
Curium–242	U	–0.00255	+/–0.0197	0.0188	+/–0.0197	0.049	pCi/g						
Curium–243/244	U	0.00823	+/–0.0307	0.0259	+/–0.0308	0.0625	pCi/g						
Alphaspec Pu, Solid–TRU2,ALL2 (CT)													
Plutonium–238	U	–0.00951	+/–0.027	0.027	+/–0.0271	0.0657	pCi/g		JAS1	12/03/04	1728	384470	2
Plutonium–239/240	U	–0.000691	+/–0.016	0.0148	+/–0.016	0.0412	pCi/g						
Liquid Scint Pu241, Solid–TRU2,ALL2 (CT)													
Plutonium–241	U	–0.375	+/–2.34	1.97	+/–2.34	4.06	pCi/g		JAS1	12/07/04	1513	384471	3
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid–HTD2,ALL2 (CT)													
Carbon–14	U	0.0146	+/–0.275	0.231	+/–0.275	0.474	pCi/g		LAG1	12/01/04	1209	384423	4
Liquid Scint Fe55, Solid–HTD2,ALL2 (CT)													
Iron–55	U	–1.56	+/–2.60	1.87	+/–2.60	3.78	pCi/g		JLB1	12/10/04	0501	384424	5
Liquid Scint Ni63, Solid–HTD2,ALL2 (CT)													
Nickel–63		2.38	+/–1.03	0.812	+/–1.03	1.66	pCi/g		JLB1	12/05/04	1559	384425	6
Liquid Scint Tc99, Solid–HTD2,ALL2 (CT)													
Technetium–99	U	–0.589	+/–0.491	0.428	+/–0.491	0.879	pCi/g		EGD1	12/05/04	1955	384420	7

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL–RAD–A–021B	DLD1	11/30/04	1254	384228
Dry Soil Prep	Dry Soil Prep GL–RAD–A–021	TC1	11/29/04	1044	384227

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL–300, Am–05–RC Modified
2	DOE EML HASL–300, Pu–11–RC Modified
3	DOE EML HASL–300, Pu–11–RC Modified
4	EPA EERF C–01 Modified
5	DOE RESL Fe–1, Modified
6	DOE RESL Ni–1, Modified

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Soils and Concrete PO# 002337

Report Date: December 10, 2004

Client Sample ID: 3107-0000-193-C-1C-01
Sample ID: 126304050

Project: YANK01304
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch M
7	DOE EML HASL-300, Tc-02-RC Modified										

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TR1	80	(25%-125%)
Plutonium-242	Alphaspec Pu, Solid-TRU2,ALL2	95	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid-TRU2,/	56	
Carrier/Tracer Recovery	Liquid Scint Fe55, Solid-HTD2,Al	44	
Carrier/Tracer Recovery	Liquid Scint Ni63, Solid-HTD2,Al	39	
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,A	78	

Notes:
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U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on a dry weight basis.

QUALITY CONTROL DATA

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QC Summary

Report Date: December 10, 2004

Client : Connecticut Yankee Atomic Power
Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut

Contact: Mr. Pete Hollenbeck

Workorder: 126304

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Alpha Spec										
Batch 384469										
QC1200748003 126304045 DUP										
Americium-241	U	0.0251	U	0.00214	pCi/g	169		(0% - 100%)	JAS1	12/03/04 17:28
	Uncert:	+/-0.0317		+/-0.0275						
	TPU:	+/-0.0318		+/-0.0275						
Curium-242	U	-0.0187	U	0.0125	pCi/g	N/A		(0% - 100%)		
	Uncert:	+/-0.0172		+/-0.0222						
	TPU:	+/-0.0173		+/-0.0222						
Curium-243/244	U	-0.00274	U	0.0456	pCi/g	N/A		(0% - 100%)		
	Uncert:	+/-0.0377		+/-0.0401						
	TPU:	+/-0.0377		+/-0.0404						
QC1200748005 LCS										
Americium-241	4.86			4.78	pCi/g		98	(75%-125%)		12/03/04 17:29
	Uncert:			+/-0.274						
	TPU:			+/-0.537						
Curium-242			U	0.000489	pCi/g					
	Uncert:			+/-0.018						
	TPU:			+/-0.018						
Curium-243/244	6.05			5.94	pCi/g		98	(75%-125%)		
	Uncert:			+/-0.306						
	TPU:			+/-0.650						
QC1200748002 MB										
Americium-241			U	0.0438	pCi/g					12/03/04 17:28
	Uncert:			+/-0.0417						
	TPU:			+/-0.0419						
Curium-242			U	-0.00481	pCi/g					
	Uncert:			+/-0.013						
	TPU:			+/-0.013						
Curium-243/244			U	-0.00691	pCi/g					
	Uncert:			+/-0.0377						
	TPU:			+/-0.0377						
QC1200748004 126304045 MS										
Americium-241	5.18 U	0.0251		4.91	pCi/g		94	(75%-125%)		
	Uncert:	+/-0.0317		+/-0.265						
	TPU:	+/-0.0318		+/-0.533						
Curium-242	U	-0.0187	U	0.0179	pCi/g					
	Uncert:	+/-0.0172		+/-0.0204						
	TPU:	+/-0.0173		+/-0.0204						
Curium-243/244	6.45 U	-0.00274		5.93	pCi/g		92	(75%-125%)		
	Uncert:	+/-0.0377		+/-0.292						
	TPU:	+/-0.0377		+/-0.631						
Batch 384470										
QC1200748007 126304045 DUP										
Plutonium-238	U	0.00945	U	0.00914	pCi/g	3		(0% - 100%)	JAS1	12/03/04 17:28

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Alpha Spec										
Batch 384470										
	Uncert:	+/-0.0373		+/-0.0219						
	TPU:	+/-0.0373		+/-0.0219						
Plutonium-239/240	U	0.00305	U	0.0032	pCi/g	5		(0% - 100%)		
	Uncert:	+/-0.0152		+/-0.0159						
	TPU:	+/-0.0152		+/-0.0159						
QC1200748009 LCS										
Plutonium-238			U	0.0128	pCi/g			(75%-125%)		12/06/04 17:05
	Uncert:			+/-0.0559						
	TPU:			+/-0.0559						
Plutonium-239/240	4.26			4.30	pCi/g		101	(75%-125%)		
	Uncert:			+/-0.420						
	TPU:			+/-0.648						
QC1200748006 MB										
Plutonium-238			U	0.00592	pCi/g					12/03/04 17:28
	Uncert:			+/-0.0272						
	TPU:			+/-0.0272						
Plutonium-239/240			U	-0.000623	pCi/g					
	Uncert:			+/-0.0144						
	TPU:			+/-0.0144						
QC1200748008 126304045 MS										
Plutonium-238	U	0.00945	U	0.0197	pCi/g			(75%-125%)		12/03/04 17:28
	Uncert:	+/-0.0373		+/-0.0447						
	TPU:	+/-0.0373		+/-0.0447						
Plutonium-239/240	4.54 U	0.00305		4.70	pCi/g		103	(75%-125%)		
	Uncert:	+/-0.0152		+/-0.259						
	TPU:	+/-0.0152		+/-0.515						
Batch 384471										
QC1200748011 126304046 DUP										
Plutonium-241	U	-1.1	U	-0.581	pCi/g	N/A		(0% - 100%)	JAS1	12/07/04 16:16
	Uncert:	+/-1.56		+/-1.80						
	TPU:	+/-1.56		+/-1.80						
QC1200748013 LCS										
Plutonium-241	34.7			29.1	pCi/g		84	(75%-125%)		12/07/04 17:20
	Uncert:			+/-2.46						
	TPU:			+/-3.56						
QC1200748010 MB										
Plutonium-241			U	-0.0799	pCi/g					12/07/04 15:44
	Uncert:			+/-1.50						
	TPU:			+/-1.50						
QC1200748012 126304046 MS										
Plutonium-241	32.2 U	-1.1		27.0	pCi/g		84	(75%-125%)		12/07/04 16:48
	Uncert:	+/-1.56		+/-2.91						
	TPU:	+/-1.56		+/-4.11						
Rad Gamma Spec										
Batch 384321										
QC1200747612 126304008 DUP										
Actinium-228		0.855		0.782	pCi/g	9		(0% - 100%)	AKB	12/04/04 15:00
	Uncert:	+/-0.208		+/-0.210						
				+/-0.206						

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 384321											
	TPU:	+/-0.204									
Americium-241	U	-0.0404	U	0.00425	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.142		+/-0.0966							
	TPU:	+/-0.139		+/-0.0947							
Bismuth-212		0.585		0.647	pCi/g	10		(0% - 100%)			
	Uncert:	+/-0.342		+/-0.298							
	TPU:	+/-0.335		+/-0.292							
Bismuth-214		0.768		0.722	pCi/g	6		(0% - 100%)			
	Uncert:	+/-0.114		+/-0.119							
	TPU:	+/-0.112		+/-0.116							
Cesium-134	U	0.0187	U	0.0445	pCi/g	82		(0% - 100%)			
	Uncert:	+/-0.0259		+/-0.0379							
	TPU:	+/-0.0254		+/-0.0371							
Cesium-137	U	0.00142	U	0.0152	pCi/g	166		(0% - 100%)			
	Uncert:	+/-0.0229		+/-0.0226							
	TPU:	+/-0.0225		+/-0.0221							
Cobalt-60	U	0.0127	U	0.018	pCi/g	34		(0% - 100%)			
	Uncert:	+/-0.026		+/-0.0215							
	TPU:	+/-0.0255		+/-0.0211							
Europium-152	U	0.0182	U	-0.021	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0755		+/-0.055							
	TPU:	+/-0.074		+/-0.0539							
Europium-154	U	0.0265	U	0.0155	pCi/g	52		(0% - 100%)			
	Uncert:	+/-0.071		+/-0.0686							
	TPU:	+/-0.0696		+/-0.0672							
Europium-155	U	0.0393	U	0.0179	pCi/g	75		(0% - 100%)			
	Uncert:	+/-0.0892		+/-0.052							
	TPU:	+/-0.0874		+/-0.0509							
Lead-212		0.752		0.644	pCi/g	15		(0% - 20%)			
	Uncert:	+/-0.083		+/-0.0827							
	TPU:	+/-0.0814		+/-0.0811							
Lead-214		0.756		0.639	pCi/g	17		(0% - 20%)			
	Uncert:	+/-0.107		+/-0.0951							
	TPU:	+/-0.105		+/-0.0932							
Manganese-54	U	0.0238	U	-0.015	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0256		+/-0.0252							
	TPU:	+/-0.0251		+/-0.0247							
Niobium-94	U	0.0153	U	-0.000663	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0238		+/-0.0202							
	TPU:	+/-0.0233		+/-0.0198							
Potassium-40		12.2		12.2	pCi/g	0		(0% - 20%)			
	Uncert:	+/-1.07		+/-1.32							
	TPU:	+/-1.05		+/-1.29							
Radium-226		0.768		0.722	pCi/g	6		(0% - 100%)			
	Uncert:	+/-0.114		+/-0.119							
	TPU:	+/-0.112		+/-0.116							
Silver-108m	U	0.0019	U	-0.00927	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0247		+/-0.0169							

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 384321										
	TPU:	+/-0.0242		+/-0.0166						
Thallium-208		0.264		0.252	pCi/g	5		(0% - 100%)		
	Uncert:	+/-0.0602		+/-0.0509						
	TPU:	+/-0.059		+/-0.0499						
QC1200747613 LCS										
Actinium-228			U	-0.282	pCi/g					12/05/04 20:12
	Uncert:			+/-0.628						
	TPU:			+/-0.616						
Americium-241	23.4			27.5	pCi/g		118	(75%-125%)		
	Uncert:			+/-1.33						
	TPU:			+/-1.30						
Bismuth-212			U	-0.746	pCi/g					
	Uncert:			+/-0.998						
	TPU:			+/-0.978						
Bismuth-214			U	0.0433	pCi/g					
	Uncert:			+/-0.243						
	TPU:			+/-0.238						
Cesium-134			U	-0.0278	pCi/g					
	Uncert:			+/-0.154						
	TPU:			+/-0.151						
Cesium-137	9.15			11.2	pCi/g		122	(75%-125%)		
	Uncert:			+/-0.514						
	TPU:			+/-0.504						
Cobalt-60	13.5			15.4	pCi/g		114	(75%-125%)		
	Uncert:			+/-0.650						
	TPU:			+/-0.637						
Europium-152			U	-0.179	pCi/g					
	Uncert:			+/-0.380						
	TPU:			+/-0.372						
Europium-154			U	-0.0664	pCi/g					
	Uncert:			+/-0.291						
	TPU:			+/-0.286						
Europium-155			U	-0.0492	pCi/g					
	Uncert:			+/-0.348						
	TPU:			+/-0.341						
Lead-212			U	0.132	pCi/g					
	Uncert:			+/-0.174						
	TPU:			+/-0.170						
Lead-214			U	0.0833	pCi/g					
	Uncert:			+/-0.228						
	TPU:			+/-0.224						
Manganese-54			U	0.0746	pCi/g					
	Uncert:			+/-0.136						
	TPU:			+/-0.133						
Niobium-94			U	-0.00371	pCi/g					
	Uncert:			+/-0.122						
	TPU:			+/-0.120						
Potassium-40			U	1.06	pCi/g					

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 384321											
	Uncert:			+/-0.916							
	TPU:			+/-0.897							
Radium-226			U	0.0433	pCi/g			(75%-125%)			
	Uncert:			+/-0.243							
	TPU:			+/-0.238							
Silver-108m			U	-0.0392	pCi/g						
	Uncert:			+/-0.145							
	TPU:			+/-0.142							
Thallium-208			U	0.114	pCi/g						
	Uncert:			+/-0.131							
	TPU:			+/-0.129							
QC1200747611 MB											
Actinium-228			U	0.00913	pCi/g					12/04/04	14:59
	Uncert:			+/-0.046							
	TPU:			+/-0.0451							
Americium-241			U	-0.031	pCi/g						
	Uncert:			+/-0.0657							
	TPU:			+/-0.0644							
Bismuth-212			U	0.029	pCi/g						
	Uncert:			+/-0.0938							
	TPU:			+/-0.092							
Bismuth-214			U	0.00145	pCi/g						
	Uncert:			+/-0.0288							
	TPU:			+/-0.0282							
Cesium-134			U	0.0095	pCi/g						
	Uncert:			+/-0.0143							
	TPU:			+/-0.014							
Cesium-137			U	-0.011	pCi/g						
	Uncert:			+/-0.0121							
	TPU:			+/-0.0119							
Cobalt-60			U	0.00351	pCi/g						
	Uncert:			+/-0.0136							
	TPU:			+/-0.0134							
Europium-152			U	-0.0294	pCi/g						
	Uncert:			+/-0.0304							
	TPU:			+/-0.0298							
Europium-154			U	0.00475	pCi/g						
	Uncert:			+/-0.0303							
	TPU:			+/-0.0297							
Europium-155			U	-0.0104	pCi/g						
	Uncert:			+/-0.0307							
	TPU:			+/-0.0301							
Lead-212			U	0.00758	pCi/g						
	Uncert:			+/-0.0187							
	TPU:			+/-0.0183							
Lead-214			U	0.0125	pCi/g						
	Uncert:			+/-0.0287							
	TPU:			+/-0.0282							

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 384321										
Manganese-54			U	0.00183	pCi/g					
	Uncert:			+/-0.0113						
	TPU:			+/-0.0111						
Niobium-94			U	0.00967	pCi/g					
	Uncert:			+/-0.00978						
	TPU:			+/-0.00959						
Potassium-40			U	0.218	pCi/g					
	Uncert:			+/-0.236						
	TPU:			+/-0.231						
Radium-226			U	0.00145	pCi/g					
	Uncert:			+/-0.0288						
	TPU:			+/-0.0282						
Silver-108m			U	0.00335	pCi/g					
	Uncert:			+/-0.011						
	TPU:			+/-0.0107						
Thallium-208			U	0.00643	pCi/g					
	Uncert:			+/-0.011						
	TPU:			+/-0.0107						
Batch 384330										
QC1200747616 126304027 DUP										
Actinium-228		0.375		0.405	pCi/g	8		(0% - 100%)	AKB	12/05/04 20:17
	Uncert:	+/-0.160		+/-0.112						
	TPU:	+/-0.157		+/-0.110						
Americium-241	U	0.107	U	0.0239	pCi/g	127		(0% - 100%)		
	Uncert:	+/-0.096		+/-0.0457						
	TPU:	+/-0.0941		+/-0.0448						
Bismuth-212	U	0.194		0.284	pCi/g	38		(0% - 100%)		
	Uncert:	+/-0.169		+/-0.142						
	TPU:	+/-0.166		+/-0.139						
Bismuth-214		0.445		0.469	pCi/g	5		(0% - 100%)		
	Uncert:	+/-0.086		+/-0.0745						
	TPU:	+/-0.0843		+/-0.073						
Cesium-134	U	0.0258	U	0.0148	pCi/g	55		(0% - 100%)		
	Uncert:	+/-0.0353		+/-0.0149						
	TPU:	+/-0.0346		+/-0.0146						
Cesium-137	U	-0.0118	U	0.0052	pCi/g	N/A		(0% - 100%)		
	Uncert:	+/-0.0175		+/-0.0161						
	TPU:	+/-0.0172		+/-0.0157						
Cobalt-60	U	-0.00373	U	-0.00227	pCi/g	N/A		(0% - 100%)		
	Uncert:	+/-0.0196		+/-0.015						
	TPU:	+/-0.0192		+/-0.0147						
Europium-152	U	0.0353	U	0.0243	pCi/g	37		(0% - 100%)		
	Uncert:	+/-0.0464		+/-0.0383						
	TPU:	+/-0.0455		+/-0.0375						
Europium-154	U	-0.00329	U	0.00597	pCi/g	N/A		(0% - 100%)		
	Uncert:	+/-0.0818		+/-0.0464						
	TPU:	+/-0.0801		+/-0.0455						
Europium-155	U	0.0024	U	0.0183	pCi/g	154		(0% - 100%)		

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 384330										
	Uncert:	+/-0.0514		+/-0.0443						
	TPU:	+/-0.0504		+/-0.0434						
Lead-212		0.316		0.349	pCi/g	10		(0% - 100%)		
	Uncert:	+/-0.0642		+/-0.0499						
	TPU:	+/-0.0629		+/-0.0489						
Lead-214		0.425		0.429	pCi/g	1		(0% - 100%)		
	Uncert:	+/-0.0847		+/-0.0759						
	TPU:	+/-0.083		+/-0.0744						
Manganese-54	U	-0.0123	U	0.0109	pCi/g	N/A		(0% - 100%)		
	Uncert:	+/-0.0194		+/-0.0148						
	TPU:	+/-0.019		+/-0.0146						
Niobium-94	U	0.00974	U	-0.00316	pCi/g	N/A		(0% - 100%)		
	Uncert:	+/-0.0169		+/-0.0121						
	TPU:	+/-0.0166		+/-0.0119						
Potassium-40		6.83		7.63	pCi/g	11		(0% - 20%)		
	Uncert:	+/-0.883		+/-0.800						
	TPU:	+/-0.865		+/-0.784						
Radium-226		0.445		0.469	pCi/g	5		(0% - 100%)		
	Uncert:	+/-0.086		+/-0.0745						
	TPU:	+/-0.0843		+/-0.073						
Silver-108m	U	0.00811	U	-0.00955	pCi/g	N/A		(0% - 100%)		
	Uncert:	+/-0.0154		+/-0.0126						
	TPU:	+/-0.0151		+/-0.0124						
Thallium-208		0.116		0.115	pCi/g	1		(0% - 100%)		
	Uncert:	+/-0.0373		+/-0.0355						
	TPU:	+/-0.0366		+/-0.0348						
QC1200747617 LCS										
Actinium-228			U	0.409	pCi/g					12/05/04 20:17
	Uncert:			+/-0.558						
	TPU:			+/-0.547						
Americium-241	23.4			24.7	pCi/g		106	(75%-125%)		
	Uncert:			+/-3.18						
	TPU:			+/-3.12						
Bismuth-212			U	0.0223	pCi/g					
	Uncert:			+/-0.915						
	TPU:			+/-0.897						
Bismuth-214			U	0.0789	pCi/g					
	Uncert:			+/-0.207						
	TPU:			+/-0.202						
Cesium-134			U	0.071	pCi/g					
	Uncert:			+/-0.167						
	TPU:			+/-0.164						
Cesium-137	9.15			9.35	pCi/g		102	(75%-125%)		
	Uncert:			+/-0.787						
	TPU:			+/-0.772						
Cobalt-60	13.5			14.2	pCi/g		105	(75%-125%)		
	Uncert:			+/-1.08						
	TPU:			+/-1.06						

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 384330										
Europium-152			U	0.0999	pCi/g					
	Uncert:			+/-0.271						
	TPU:			+/-0.266						
Europium-154			U	-0.158	pCi/g					
	Uncert:			+/-0.229						
	TPU:			+/-0.224						
Europium-155			U	-0.237	pCi/g					
	Uncert:			+/-0.257						
	TPU:			+/-0.252						
Lead-212			U	-0.115	pCi/g					
	Uncert:			+/-0.168						
	TPU:			+/-0.164						
Lead-214			U	0.0105	pCi/g					
	Uncert:			+/-0.211						
	TPU:			+/-0.207						
Manganese-54			U	0.0636	pCi/g					
	Uncert:			+/-0.126						
	TPU:			+/-0.123						
Niobium-94			U	-0.104	pCi/g					
	Uncert:			+/-0.103						
	TPU:			+/-0.101						
Potassium-40			U	0.449	pCi/g					
	Uncert:			+/-0.917						
	TPU:			+/-0.898						
Radium-226			U	0.0789	pCi/g			(75%-125%)		
	Uncert:			+/-0.207						
	TPU:			+/-0.202						
Silver-108m			U	0.0288	pCi/g					
	Uncert:			+/-0.0969						
	TPU:			+/-0.095						
Thallium-208			U	0.00636	pCi/g					
	Uncert:			+/-0.103						
	TPU:			+/-0.101						
QC1200747615 MB										
Actinium-228			U	0.0173	pCi/g					12/05/04 20:16
	Uncert:			+/-0.0589						
	TPU:			+/-0.0577						
Americium-241			U	0.00554	pCi/g					
	Uncert:			+/-0.0196						
	TPU:			+/-0.0192						
Bismuth-212			U	0.0781	pCi/g					
	Uncert:			+/-0.146						
	TPU:			+/-0.143						
Bismuth-214			UUI	0.00	pCi/g					
	Uncert:			+/-0.0766						
	TPU:			+/-0.0751						
Cesium-134			U	0.00759	pCi/g					
	Uncert:			+/-0.0182						

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 384330										
	TPU:			+/-0.0178						
Cesium-137			U	-0.00386	pCi/g					
	Uncert:			+/-0.0169						
	TPU:			+/-0.0166						
Cobalt-60			U	-0.0133	pCi/g					
	Uncert:			+/-0.0141						
	TPU:			+/-0.0138						
Europium-152			U	0.0367	pCi/g					
	Uncert:			+/-0.0428						
	TPU:			+/-0.0419						
Europium-154			U	-0.0161	pCi/g					
	Uncert:			+/-0.0456						
	TPU:			+/-0.0447						
Europium-155			U	-0.0035	pCi/g					
	Uncert:			+/-0.0347						
	TPU:			+/-0.034						
Lead-212			U	0.0112	pCi/g					
	Uncert:			+/-0.0257						
	TPU:			+/-0.0251						
Lead-214			U	0.0332	pCi/g					
	Uncert:			+/-0.0331						
	TPU:			+/-0.0324						
Manganese-54			U	0.00348	pCi/g					
	Uncert:			+/-0.0164						
	TPU:			+/-0.0161						
Niobium-94			U	-0.00824	pCi/g					
	Uncert:			+/-0.017						
	TPU:			+/-0.0167						
Potassium-40			U	0.205	pCi/g					
	Uncert:			+/-0.183						
	TPU:			+/-0.179						
Radium-226			UUI	0.00	pCi/g					
	Uncert:			+/-0.0766						
	TPU:			+/-0.0751						
Silver-108m			U	0.00176	pCi/g					
	Uncert:			+/-0.0136						
	TPU:			+/-0.0133						
Thallium-208			U	0.0103	pCi/g					
	Uncert:			+/-0.0158						
	TPU:			+/-0.0155						
Batch 384336										
QC1200747625 126303001 DUP										
Actinium-228		0.118		0.0968	pCi/g	20		(0% - 100%)	AKB	12/04/04 17:55
	Uncert:	+/-0.0706		+/-0.0733						
	TPU:	+/-0.0692		+/-0.0718						
Americium-241	U	-0.0168	U	-0.00403	pCi/g	N/A		(0% - 100%)		
	Uncert:	+/-0.0538		+/-0.0622						
	TPU:	+/-0.0527		+/-0.0609						

QC Summary

Workorder: 126304

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 384336											
Bismuth-212	U	0.0338	U	0.126	pCi/g	115		(0% - 100%)			
	Uncert:	+/-0.119		+/-0.187							
	TPU:	+/-0.116		+/-0.183							
Bismuth-214		0.102	UUI	0.00	pCi/g	0		(0% - 100%)			
	Uncert:	+/-0.047		+/-0.0426							
	TPU:	+/-0.0461		+/-0.0417							
Cesium-134	U	0.0161	U	0.00284	pCi/g	140		(0% - 100%)			
	Uncert:	+/-0.0149		+/-0.0123							
	TPU:	+/-0.0146		+/-0.012							
Cesium-137		0.0376	U	0.00872	pCi/g	125		(0% - 100%)			
	Uncert:	+/-0.026		+/-0.0136							
	TPU:	+/-0.0255		+/-0.0133							
Cobalt-60		0.0363		0.0522	pCi/g	36		(0% - 100%)			
	Uncert:	+/-0.0247		+/-0.0257							
	TPU:	+/-0.0242		+/-0.0252							
Europium-152	U	0.0486	U	-0.00993	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0448		+/-0.0297							
	TPU:	+/-0.0439		+/-0.0291							
Europium-154	U	-0.00513	U	0.00333	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0366		+/-0.0346							
	TPU:	+/-0.0359		+/-0.0339							
Europium-155	U	0.0102	U	-0.0103	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0354		+/-0.0313							
	TPU:	+/-0.0347		+/-0.0307							
Lead-212	UUI	0.00		0.0564	pCi/g	0		(0% - 100%)			
	Uncert:	+/-0.0321		+/-0.0274							
	TPU:	+/-0.0315		+/-0.0269							
Lead-214		0.132		0.107	pCi/g	21		(0% - 100%)			
	Uncert:	+/-0.0507		+/-0.0462							
	TPU:	+/-0.0497		+/-0.0453							
Manganese-54	U	0.00266	U	0.00211	pCi/g	23		(0% - 100%)			
	Uncert:	+/-0.0127		+/-0.0113							
	TPU:	+/-0.0125		+/-0.0111							
Niobium-94	U	-0.00132	U	0.00412	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0116		+/-0.0123							
	TPU:	+/-0.0114		+/-0.012							
Potassium-40		2.30		1.77	pCi/g	26		(0% - 100%)			
	Uncert:	+/-0.443		+/-0.413							
	TPU:	+/-0.434		+/-0.404							
Radium-226		0.102		0.108	pCi/g	6		(0% - 100%)			
	Uncert:	+/-0.047		+/-0.0426							
	TPU:	+/-0.0461		+/-0.0417							
Silver-108m	U	0.0106	U	0.00675	pCi/g	44		(0% - 100%)			
	Uncert:	+/-0.0209		+/-0.0106							
	TPU:	+/-0.0205		+/-0.0104							
Thallium-208	U	0.0298		0.0402	pCi/g	30		(0% - 100%)			
	Uncert:	+/-0.0274		+/-0.0194							
	TPU:	+/-0.0269		+/-0.019							

QC Summary

Workorder: 126304

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 384336										
QC1200747626 LCS										
Actinium-228			U	0.276	pCi/g					12/06/04 09:33
	Uncert:			+/-0.523						
	TPU:			+/-0.512						
Americium-241	23.4			22.8	pCi/g		97	(75%-125%)		
	Uncert:			+/-2.47						
	TPU:			+/-2.42						
Bismuth-212			U	-0.248	pCi/g					
	Uncert:			+/-0.937						
	TPU:			+/-0.918						
Bismuth-214			U	0.123	pCi/g					
	Uncert:			+/-0.205						
	TPU:			+/-0.201						
Cesium-134			U	0.104	pCi/g					
	Uncert:			+/-0.137						
	TPU:			+/-0.135						
Cesium-137	9.14			9.58	pCi/g		105	(75%-125%)		
	Uncert:			+/-0.768						
	TPU:			+/-0.753						
Cobalt-60	13.5			14.2	pCi/g		105	(75%-125%)		
	Uncert:			+/-1.09						
	TPU:			+/-1.07						
Europium-152			U	0.248	pCi/g					
	Uncert:			+/-0.282						
	TPU:			+/-0.277						
Europium-154			U	0.0933	pCi/g					
	Uncert:			+/-0.330						
	TPU:			+/-0.323						
Europium-155			U	-0.0595	pCi/g					
	Uncert:			+/-0.274						
	TPU:			+/-0.269						
Lead-212			U	0.121	pCi/g					
	Uncert:			+/-0.193						
	TPU:			+/-0.190						
Lead-214			U	0.209	pCi/g					
	Uncert:			+/-0.202						
	TPU:			+/-0.198						
Manganese-54			U	-0.0256	pCi/g					
	Uncert:			+/-0.133						
	TPU:			+/-0.131						
Niobium-94			U	0.0988	pCi/g					
	Uncert:			+/-0.111						
	TPU:			+/-0.109						
Potassium-40			U	-0.0673	pCi/g					
	Uncert:			+/-0.895						
	TPU:			+/-0.877						
Radium-226			U	0.123	pCi/g			(75%-125%)		
	Uncert:			+/-0.205						
	TPU:			+/-0.201						

QC Summary

Workorder: 126304

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 384336										
Silver-108m			U	0.0362	pCi/g					
	Uncert:			+/-0.108						
	TPU:			+/-0.106						
Thallium-208			U	0.0139	pCi/g					
	Uncert:			+/-0.112						
	TPU:			+/-0.110						
QC1200747624 MB										
Actinium-228			U	0.00825	pCi/g					12/04/04 17:54
	Uncert:			+/-0.0641						
	TPU:			+/-0.0628						
Americium-241			U	0.0249	pCi/g					
	Uncert:			+/-0.0549						
	TPU:			+/-0.0538						
Bismuth-212			U	0.0282	pCi/g					
	Uncert:			+/-0.101						
	TPU:			+/-0.0988						
Bismuth-214			U	0.0288	pCi/g					
	Uncert:			+/-0.0312						
	TPU:			+/-0.0306						
Cesium-134			U	0.00551	pCi/g					
	Uncert:			+/-0.0126						
	TPU:			+/-0.0123						
Cesium-137			U	-0.00324	pCi/g					
	Uncert:			+/-0.0131						
	TPU:			+/-0.0128						
Cobalt-60			U	0.00453	pCi/g					
	Uncert:			+/-0.0144						
	TPU:			+/-0.0141						
Europium-152			U	0.0232	pCi/g					
	Uncert:			+/-0.0396						
	TPU:			+/-0.0388						
Europium-154			U	0.019	pCi/g					
	Uncert:			+/-0.0519						
	TPU:			+/-0.0509						
Europium-155			U	0.0391	pCi/g					
	Uncert:			+/-0.0362						
	TPU:			+/-0.0355						
Lead-212			U	0.0102	pCi/g					
	Uncert:			+/-0.0411						
	TPU:			+/-0.0403						
Lead-214			U	0.0296	pCi/g					
	Uncert:			+/-0.0355						
	TPU:			+/-0.0348						
Manganese-54			U	-0.00356	pCi/g					
	Uncert:			+/-0.0169						
	TPU:			+/-0.0166						
Niobium-94			U	0.0121	pCi/g					
	Uncert:			+/-0.0397						

QC Summary

Workorder: 126304

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 384336										
	TPU:			+/-0.0389						
Potassium-40			U	0.215	pCi/g					
	Uncert:			+/-0.202						
	TPU:			+/-0.198						
Radium-226			U	0.0288	pCi/g					
	Uncert:			+/-0.0312						
	TPU:			+/-0.0306						
Silver-108m			U	0.00631	pCi/g					
	Uncert:			+/-0.0132						
	TPU:			+/-0.013						
Thallium-208			U	0.015	pCi/g					
	Uncert:			+/-0.0158						
	TPU:			+/-0.0155						
Rad Gas Flow										
Batch 384353										
QC1200747677 126304006 DUP										
Strontium-90	U	-0.00756	U	0.0271	pCi/g	N/A		(0% - 100%)	JMB1	12/01/04 17:07
	Uncert:	+/-0.0239		+/-0.0271						
	TPU:	+/-0.024		+/-0.0281						
QC1200747679 LCS										
Strontium-90	4.44			4.61	pCi/g		104	(75%-125%)		12/01/04 15:07
	Uncert:			+/-0.251						
	TPU:			+/-1.11						
QC1200747676 MB										
Strontium-90			U	0.00913	pCi/g					12/01/04 17:07
	Uncert:			+/-0.0235						
	TPU:			+/-0.0236						
QC1200747678 126304006 MS										
Strontium-90	9.00 U	-0.00756		9.49	pCi/g		105	(75%-125%)		12/01/04 15:07
	Uncert:	+/-0.0239		+/-0.537						
	TPU:	+/-0.024		+/-2.46						
Batch 384363										
QC1200747687 126304017 DUP										
Strontium-90		0.0802		0.0953	pCi/g	17		(0% - 100%)	JMB1	12/02/04 16:05
	Uncert:	+/-0.037		+/-0.0338						
	TPU:	+/-0.0445		+/-0.0445						
QC1200747689 LCS										
Strontium-90	4.44			4.98	pCi/g		112	(75%-125%)		12/02/04 14:05
	Uncert:			+/-0.282						
	TPU:			+/-1.34						
QC1200747686 MB										
Strontium-90			U	-0.0104	pCi/g					12/02/04 16:05
	Uncert:			+/-0.0243						
	TPU:			+/-0.0244						
QC1200747688 126304017 MS										
Strontium-90	9.05	0.0802		9.72	pCi/g		106	(75%-125%)		12/02/04 14:05
	Uncert:	+/-0.037		+/-0.593						
	TPU:	+/-0.0445		+/-2.92						
Batch 384365										

QC Summary

Workorder: 126304

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 384365										
QC1200747701 126304036 DUP										
Strontium-90	U	-0.00421	U	-0.00314	pCi/g	N/A		(0% - 100%)	JMB1	12/02/04 19:34
Uncert:		+/-0.0334		+/-0.0276						
TPU:		+/-0.0335		+/-0.0276						
QC1200747703 LCS										
Strontium-90	4.55			4.46	pCi/g		98	(75%-125%)		12/02/04 18:04
Uncert:				+/-0.248						
TPU:				+/-1.01						
QC1200747700 MB										
Strontium-90			U	-0.00789	pCi/g					12/02/04 19:34
Uncert:				+/-0.0249						
TPU:				+/-0.0249						
QC1200747702 126304036 MS										
Strontium-90	9.04 U	-0.00421		8.35	pCi/g		92	(75%-125%)		12/02/04 18:04
Uncert:		+/-0.0334		+/-0.525						
TPU:		+/-0.0335		+/-2.38						
Rad Liquid Scintillation										
Batch 384413										
QC1200747814 126304001 DUP										
Tritium	U	1.05	U	2.03	pCi/g	0		(0% - 100%)	LAG1	12/03/04 02:38
Uncert:		+/-5.13		+/-4.78						
TPU:		+/-5.13		+/-4.78						
QC1200747816 LCS										
Tritium	63.5			61.4	pCi/g		97	(75%-125%)		12/03/04 03:43
Uncert:				+/-6.69						
TPU:				+/-7.45						
QC1200747813 MB										
Tritium			U	0.795	pCi/g					12/03/04 02:06
Uncert:				+/-4.48						
TPU:				+/-4.48						
QC1200747815 126304001 MS										
Tritium	69.4 U	1.05		75.8	pCi/g		108	(75%-125%)		12/03/04 03:11
Uncert:		+/-5.13		+/-7.50						
TPU:		+/-5.13		+/-8.51						
Batch 384414										
QC1200747818 126304017 DUP										
Tritium		9.00		12.0	pCi/g	28		(0% - 100%)	ATH1	12/06/04 05:07
Uncert:		+/-2.02		+/-2.24						
TPU:		+/-2.14		+/-2.45						
QC1200747820 LCS										
Tritium	8.84			8.19	pCi/g		93	(75%-125%)		12/06/04 06:11
Uncert:				+/-1.98						
TPU:				+/-2.08						
QC1200747817 MB										
Tritium			U	-1.06	pCi/g					12/06/04 09:14
Uncert:				+/-1.68						
TPU:				+/-1.68						
QC1200747819 126304017 MS										
Tritium	8.85	9.00		22.0	pCi/g		147*	(75%-125%)		12/06/04 12:42

QC Summary

Workorder: 126304

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Liquid Scintillation										
Batch 384414										
	Uncert:	+/-2.02		+/-2.65						
	TPU:	+/-2.14		+/-3.19						
Batch 384419										
QC1200747837 126304031 DUP										
Tritium	U	2.32	U	1.31	pCi/g	0		(0% - 100%)	JLB1	12/04/04 06:36
	Uncert:	+/-1.50		+/-1.86						
	TPU:	+/-1.51		+/-1.86						
QC1200747839 LCS										
Tritium	7.94			6.45	pCi/g		81	(75%-125%)		12/03/04 14:42
	Uncert:			+/-1.58						
	TPU:			+/-1.63						
QC1200747836 MB										
Tritium			U	-0.353	pCi/g					12/03/04 13:06
	Uncert:			+/-1.10						
	TPU:			+/-1.11						
QC1200747838 126304031 MS										
Tritium	8.59 U	2.32		10.8	pCi/g		118	(75%-125%)		12/04/04 07:08
	Uncert:	+/-1.50		+/-2.30						
	TPU:	+/-1.51		+/-2.46						
Batch 384420										
QC1200747841 126304045 DUP										
Technetium-99	U	-0.606	U	-0.727	pCi/g	N/A		(0% - 100%)	EGD1	12/05/04 20:59
	Uncert:	+/-0.457		+/-0.457						
	TPU:	+/-0.457		+/-0.457						
QC1200747843 LCS										
Technetium-99	36.5			38.2	pCi/g		105	(75%-125%)		12/05/04 22:03
	Uncert:			+/-1.11						
	TPU:			+/-1.46						
QC1200747840 MB										
Technetium-99			U	-0.49	pCi/g					12/05/04 20:27
	Uncert:			+/-0.408						
	TPU:			+/-0.408						
QC1200747842 126304045 MS										
Technetium-99	38.0 U	-0.606		39.6	pCi/g		104	(75%-125%)		12/05/04 21:31
	Uncert:	+/-0.457		+/-1.19						
	TPU:	+/-0.457		+/-1.55						
Batch 384423										
QC1200747849 126304045 DUP										
Carbon-14	U	-0.06	U	0.283	pCi/g	N/A		(0% - 100%)	LAG1	12/01/04 13:13
	Uncert:	+/-0.280		+/-0.284						
	TPU:	+/-0.280		+/-0.284						
QC1200747851 LCS										
Carbon-14	12.5			12.1	pCi/g		97	(75%-125%)		12/01/04 14:17
	Uncert:			+/-0.533						
	TPU:			+/-0.566						
QC1200747848 MB										
Carbon-14			U	0.0338	pCi/g					12/01/04 12:41
	Uncert:			+/-0.266						
	TPU:			+/-0.266						

QC Summary

Workorder: 126304

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Liquid Scintillation										
Batch 384423										
QC1200747850 126304045 MS										
Carbon-14	12.5	-0.06	U	11.9	pCi/g		96	(75%-125%)		12/01/04 13:45
Uncert:		+/-0.280		+/-0.536						
TPU:		+/-0.280		+/-0.567						
Batch 384424										
QC1200747854 126304050 DUP										
Iron-55		-1.56	U	-1.69	pCi/g	N/A		(0% - 100%)	JLB1	12/10/04 07:06
Uncert:		+/-2.60		+/-2.39						
TPU:		+/-2.60		+/-2.39						
QC1200747856 LCS										
Iron-55	39.8			37.6	pCi/g		95	(75%-125%)		12/07/04 06:09
Uncert:				+/-2.51						
TPU:				+/-2.95						
QC1200747853 MB										
Iron-55			U	-0.571	pCi/g					12/07/04 03:01
Uncert:				+/-1.87						
TPU:				+/-1.87						
QC1200747855 126304050 MS										
Iron-55	40.2	-1.56	U	30.7	pCi/g		76	(75%-125%)		12/07/04 05:06
Uncert:		+/-2.60		+/-4.02						
TPU:		+/-2.60		+/-4.26						
Batch 384425										
QC1200747868 126304050 DUP										
Nickel-63		2.38		2.14	pCi/g	27		(0% - 100%)	JLB1	12/05/04 18:03
Uncert:		+/-1.03		+/-1.01						
TPU:		+/-1.03		+/-1.01						
QC1200747870 LCS										
Nickel-63	30.9			34.9	pCi/g		113	(75%-125%)		12/05/04 20:06
Uncert:				+/-1.14						
TPU:				+/-1.66						
QC1200747867 MB										
Nickel-63				1.92	pCi/g					12/05/04 17:01
Uncert:				+/-0.548						
TPU:				+/-0.552						
QC1200747869 126304050 MS										
Nickel-63	30.9	2.38		32.5	pCi/g		100	(75%-125%)		12/05/04 19:05
Uncert:		+/-1.03		+/-1.50						
TPU:		+/-1.03		+/-1.87						

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

- * Indicates that a quality control analyte recovery is outside of specified acceptance criteria.
- ** Indicates the analyte is a surrogate compound.
- B Target analyte was detected in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration of the target analyte exceeds the instrument calibration range.

QC Summary

Workorder: 126304

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

H	Analytical holding time exceeded.
J	Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U	Indicates the target analyte was analyzed for but not detected above the detection limit.
UI	Uncertain identification for gamma spectroscopy.
X	Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h	Sample preparation or preservation holding time exceeded.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.
** Indicates analyte is a surrogate compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

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

FOLDER'S FILES

Attachment 2
ISFSI Records Entry Form
(Page 1 of 1)

NUCLEAR PLANT RECORDS TRANSMITTAL		NPR USE ONLY CONTROL NO. k U.N. NO. 2261
DEPARTMENT OF ORIGIN **Site Closure**	RECORDS CLASSIFICATION (SEE INSTRUCTIONS): ☐ CONFIDENTIAL ☐ SAFEGUARDS ☐ QA RECORD	DATE: **5/31/06**
TFI #: **11.10**	TFI TITLE: **50.75g Release Records**	RETENTION (Ref. Attachment 1): **L(+)LP+10**

ISFSI: ☐ **Type 1 (Dual Storage)** ✓ **Type 2** ☐ **Type 3** (Ref. Attachment 1)

DESCRIPTION OF RECORDS (NOTE: USE MORE THAN ONE TRANSMITTAL IF REQUIRED)

Work Plan and Inspection Record, WPIR, 24265-000-GEN-5000-00137-000, Underslab Subsurface Soil Sampling, 2004 and 2005 Radiological Characterization Activity.

This submittal is only the following portion of this WPIR: RCB Reactor Containment Building, Survey / Sampling Work Plan SSWP Number BCY-SSWP-04-01-002.

Search the database using the WPIR number in the title field to find indexing information on all other components of this WPIR.

Special Instructions for OD processing: Optical Character Recognition (OCR) Required? ☐ YES ✓ NO

RECORDS ENTERED BY (PRINT NAME):	SUPERVISOR/PERSON ENTERING RECORDS (Signature):
AR Bejma/J. McCarthy	

RECEIPT (BY NPR)

DATE: 5/31/06	RECORDS ARE AS DESCRIBED BY ORIGINATOR: ☒ YES ☐ NO
CONDITION OF RECORDS: ☒ GOOD ☐ OTHER (Describe Below)	
RECEIVED AND ACCEPTED BY (SIGNATURE):	TEMPORARY FILE LOCATION NO.: NPR

PROCESSING (By NPR, Except for Adding 'Alternative Storage Ref.' As Applicable)

DATE PROCESSED	ASSIGNED OD NUMBER	SIGNATURE OF NPR PROCESSING PERSONNEL	ALTERNATIVE STORAGE REFERENCE	
			LOCATION	INDEXING REF. (IF ANY)
5/31/06	CY-031			

Survey/Sampling Work Plan – SSWP

GENERAL SECTION

SSWP Number: BCY-SSWP-04-01-002 rev 1

Survey Unit # : 3100 series

Type of Survey: Characterization

Area Description : Reactor Containment Building: 1'-6" Elevation

DATA QUALITY OBJECTIVES (DQO)

MSR# 04-0719 SML- 177, 178, 180
MSR# 04-1488 SML- 185, 186
MSR# 04-2569 SML- 175, 176, 181, 182, 183, 184, 185, 186
MSR# 04-0934 SML- 176, 177, 178, 180, 181, 182.
MSR# 04-3908 SML- 176, 178 B

1.0 STATE THE PROBLEM

The problem: Obtain additional characterization data in concrete and bedrock to support remediation and final status survey (FSS) planning.

Stakeholders: The primary stakeholders interested in the answer to this problem are Connecticut Yankee, the CT Department of Environmental Protection (CTDEP) and the US Nuclear Regulatory Commission (USNRC).

The Planning Team: The planning team consisted of Integrated Site Closure Group (ISC) personnel. The primary decision maker for this plan will be the FSS Project Lead with input from the planning team.

Schedule: This project has an expected duration of 24 working days (6 weeks) including drilling, sample collection and sample cutting.

Resources: The primary resources needed to determine the answer to the problem are one operator and two laborers, one health physics technician and one radiological engineer. Ancillary support will be needed from the on-site Count Room and offsite lab for sample preparation, gamma spectroscopy and Hard to Detect radionuclide analysis.

2.0 IDENTIFY THE DECISION

The following decision needs to be defined to address the stated problem.

Principal Study Question: Is the radiological data obtained from sample analysis sufficient to adequately characterize the survey area?

Alternate Actions: Alternative actions include obtaining additional samples, performing additional analyses at an off-site facility to confirm gamma spectroscopy results and to identify and quantify hard-to-detect (HTD) radionuclides, and no action.

The Decision: Determine that the radiological data adequately characterizes the survey area. Consider additional sampling as necessary under a separate addendum to this sampling plan.

3.0 IDENTIFY THE INPUTS TO THE DECISION

Information Needed: Measurements of sample media are needed to identify and determine the concentration of those radionuclides that could potentially be present in sub-grade structures and bedrock at the time of remediation, demolition and final status survey. Information is needed in concrete to establish how much remediation may be required to reduce contamination levels to allow open air building demolition. The sample media are concrete and bedrock obtained from twelve (12) locations taken from inside of the Reactor Containment Building (RCB) at the 1'-6" elevation. If soil is encountered, a grab sample will be taken.

Source of the Information: The new measurements will include collection and radionuclide-specific analysis of concrete and bedrock wafers. The collection process will typically use an electrical drill for coring. Cores will be sliced into wafers for analysis. Analysis for hard-to-detect (HTD) radionuclides will

be performed under this SSWP as an output of the decision process. All samples will be analyzed for tritium and gamma emitting radionuclides. In addition, the first wafer behind the liner will be analyzed for carbon-14. Additional analyses will be performed on the first slices taken on the cores in the trenches to determine transuranic radioactivity levels. Collection and radionuclide-specific analysis of groundwater is covered under another program and is not included under this SSWP. No QC measurements are necessary given the limited area of investigation, number of samples and the purpose of the survey (i.e., to collect characterization data).

Table 1 shows the required radionuclides for analysis and the necessary detection sensitivity for the analytical and measurement process. The sensitivity or minimum detectable concentration (MDC) is set at 4% of the base-case DCGL values listed in Table 6-4 of the License Termination Plan (LTP). Note, the specified MDC is lower than 10% of the DCGL that is recommended by the Section 5.5 of the LTP for fixed measurements (fixed measurements include samples). However, the MDC is the same as the MDC specified in recent FSS sample plans designed to achieve a 10 mrem/year Total Effective Dose Equivalent (TEDE).

Table 1 – Analytic matrix. Includes radionuclide and Base Case DCGL from Table 6-4 of the LTP and the required sensitivity or MDC for analysis

Nuclide	Concrete $DCGL_{25}$ (pCi/g)	MDC (pCi/g)
H-3	9.05E+01	3.62E+00
C-14	2.05E+01	8.20E-01
Mn-54	5.51E+01	2.20E+00
Fe-55	8.96E+01	3.58E+00
Co-60	9.07E+01	3.63E+00
Ni-63	1.29E+02	5.16E+00
Sr-90	3.77E-01	1.51E-02
Nb-94	7.74E+00	3.10E-01
Tc-99	2.85E+01	1.14E+00
Ag-108m	2.59E+01	1.04E+00
Cs-134	3.21E+02	1.28E+01
Cs-137	6.45E+02	2.58E+01
Eu-152	2.27E+02	9.08E+00
Eu-154	1.94E+02	7.76E+00
Eu-155	9.53E+03	3.81E+02
Pu-238	1.14E+01	4.56E-01
Pu-239/240	1.00E+01	4.00E-01
Pu-241	1.49E+02	5.96E+00
Am-241	4.42E+00	1.77E-01
Cm-243/244	3.83E+00	1.53E-01

4.0 DEFINE THE BOUNDARIES OF THE SURVEY.

Boundaries of the survey: The focus of this SSWP will be to collect twelve (12) concrete samples at predetermined locations of the RCB (elevation 1'-6", refer to Attachment 1). In addition, an attempt will be made to collect bedrock samples from floor locations and soil from wall locations. This characterization data need not be linked to their specific survey units identified in the LTP. All concrete cores collected from the 3100 series survey units will be sliced for analysis and identified under a general RCB designator of 3100. Bedrock samples will have the general designator of 3101 and soil samples will have the general designator of 3102. The bedrock characterization samples collected will be used to help determine if there has been any plant-related radionuclide migration into bedrock.

The general orientation of the sample measurement locations (SML) are shown in Attachment 1. Sample locations may be moved slightly to accommodate decommissioning activities. Wall samples will typically be taken at approximately four feet above the floor. Many of the measurement locations have been chosen to evaluate the impact of contaminated groundwater on the concrete and soil. Additional sampling may be necessary to determine the need and amount of decontamination and remediation efforts.

Temporal boundaries: Sampling will normally be performed during the hours of a normal workday.

Constraints: Constraints include inadequate electrical supply, poor lighting, wet surfaces, cold temperatures and confined spaces.

5.0 DEVELOP A DECISION RULE

The following decisions rules have been developed to define a logical process for choosing among alternative actions for the principal study questions associated with this survey unit.

Decision Rule (1): If obstruction prevents further travel of the coring drill, determine if there is sufficient sample for analysis. Consider moving the SML location to obtain a new sample of sufficient quantity, otherwise stop sampling at this SML. Document conclusion of the decision in the Daily Survey Journal sheet.

Decision Rule (2): If all analyses meet the required sensitivity with no anomalous or suspect results (e.g., identification of a gamma-emitting radionuclide not contained in Table 1 and not attributable to natural radioactivity) then no further action is required under this SSWP. Otherwise, reanalyze sample or consider performing additional analyses for other hard-to-detect (HTD) radionuclides.

6.0 SPECIFY TOLERABLE LIMITS ON DECISION ERRORS

There are no limits on decision errors for characterization surveys.

7.0 OPTIMIZE DESIGN

Number of biased samples and locations: There are twelve (12) biased SML's for sampling under this SSWP as shown on Attachment 1. These SML's were determined by the planning team based on the output of the data quality objectives performed under SSWP 04-01-002, the potential pathway of groundwater flow relative to the RCB and the Decommissioning Request For Proposal (CY-04-001).

Survey/Sampling Work Plan – SSWP

DQO STEPS COMPLETE (signature signifies affirmative response)

H Allenbeck , 2/18/04

ISC Radiological Engineer Date

GENERAL INSTRUCTIONS

1. Characterization activities will be performed under WP&IR number 24265-000-GEN-5000-00137-000.
2. Cognizant radiological engineers to review pictures, radiological surveys and plant drawings of the area.
3. Sampling equipment and supplies will consist of concrete coring drill and drill bits, new marinelli containers, tape and tamper-evident tape, trowels, hacksaw, marker and new plastic bags for preparing samples and packaging off-site samples. Other equipment may include utility knife, poly sheeting, location marker paint and hand augers.
4. Ensure obstructions are removed to provide suitable access for equipment and personnel.
5. Sample locations should be identified or labeled when possible.
6. Samples will be obtained in accordance with RPM 5.1-3, "*Collection of Surface and Subsurface Soil, Shoreline Sediment, Asphalt and Liquid Samples for Scoping, Characterization and Final Status Surveys*" and in accordance with the Work Plan and Inspection Record (WP&IR) and this SSWP.
7. Sample nomenclature will be as suggested by RPM 5.1-2, *Preparation Of Characterization, Remedial Action And Turnover Survey Plans* with some modification to align the procedural format with the need to obtain multiple samples from the same location. For example, 3100-0000-165C-1C01 represents the first concrete core wafer from the first core taken at SML #165. The dashes ("-") shown in the procedure are optional and are not required.
8. The cognizant radiological engineer will determine whether sufficient sample media has been collected for analysis in instances where only a partial core sample was obtained.
9. The cognizant radiological engineer will ensure that hole is backfilled or covered, and the liner is sealed. Also, the cognizant radiological engineer will document the method used in the Daily Survey Journal.
10. Samples will be handled in accordance with procedure RPM 5.1-5, "*Chain of Custody for Final Status Survey Samples.*"
11. Sample analyses should meet the sensitivity requirements provided in Table 1 to this SSWP.
12. Documents generated during the performance of this FSSP will be complete and legible. Corrections will be made using a single line-out followed by an initial and date.

SPECIFIC INSTRUCTIONS

1. Initiate and utilize the Daily Survey Journal Sheet in accordance with RPM 5.1-11, *"Preparation of Final Status Survey Plans."*
2. Sample instructions (Attachment 1 provides location).
   a. Proceed to the selected SML denoted on Attachment 1 and designated by Table 2.

Table 2 – Sample Measurement Location (SML)

SML	TYPE	Concrete Designation	Bedrock Designation	Soil Designation
175	Concrete and Bedrock	3100-0000-175	3101-0000-175	
176	**Concrete and Bedrock**	**3100-0000-176**	**3101-0000-176**	
177	Concrete and Bedrock	3100-0000-177	3101-0000-177	
178	**Concrete and Bedrock**	**3100-0000-178**	**3101-0000-178**	
179	Concrete and Bedrock	3100-0000-179	3101-0000-179	
180	**Concrete and Bedrock**	**3100-0000-180**	**3101-0000-180**	
181	Concrete and Soil	3100-0000-181		3102-0000-181
182	**Concrete and Soil**	**3100-0000-182**		**3102-0000-182**
183	Concrete and Soil	3100-0000-183		3102-0000-183
184	**Concrete and Soil**	**3100-0000-184**		**3102-0000-184**
185	Concrete	3100-0000-185		
186	**Concrete**	**3100-0000-186**		

   b. Implement radiological controls as required by RWP 4121 rev 0.

   c. Perform concrete coring at the selected location.

      (1). Setup work area with water supply, labeled water collection equipment and ground fault protected electrical supply.

      (2). Attach the drill rig to the sampling location by vacuum system or bolt. Wall samples will typically be located approximately four feet above the floor.

      (3). Obtain the core, identify the top by placing a "T" or arrow on the core, place into a double plastic bag or single vacuum sealed bag to maintain moisture content.

      (4). Label in accordance with designation number provided in Table 2 followed by a "C-1C". Subsequent cores are identified as "C-2C", "C-3C" etc.

(5). Depths of cores:

(a.) For locations 175 through 180, drill all the way through the concrete floor to bedrock.

(b.) For locations 181 through 184, drill all the way through the concrete wall to soil.

(c.) For locations 185 and 186, drill only through the concrete above the liner (limit depth to 10 inches). Obtain 2 co-located samples at each location. PA 5/3/04 MN 5/3/04

d. Perform bedrock sampling at locations 175 through 180.

(1). Collect an approximately 6 inch long bedrock core and place into a double plastic bag or single vacuum sealed bag to maintain moisture content.

(2). Label in accordance with the designation number provided in Table 2 followed by a "B01".

e. Perform soil sampling at locations 181 through 184.

(1). Collect a grab sample and place into a plastic bag or marinelli beaker.

(2). Label in accordance with the designation number provided in Table 2 followed by a "C01".

f. Restoration of floor sample locations 175 through 180. Refer to Attachment 2.

(1). Place approximately four feet of Bentonite in the bottom of the hole.

(2). Fill the remainder of the hole up to the liner elevation with concrete.

(3). Insert a pipe plug at the liner elevation.

(4). Fill the remainder of the hole up to the floor with concrete.

g. Generate a Sample Control and Accountability form for concrete, soil and bedrock samples.

(1). Record sample information on a Sample Control and Accountability form.

(2). Place a security tamper seal on the container or maintain physical control until sample(s) are transferred to an appropriate locked storage area.

(3). Record sample location information on the Sample Control and Accountability form.

h. Disposition samples for analysis.

(1). Set-up area for sample preparation in the Old Chemistry Laboratory (survey area 5114) or where directed by health physics.

(2). Slice concrete cores and bedrock samples from locations 175 through 180 into approximately 2.5 inch wafers. Obtain 2 slices from the floor elevation, 2 slices from directly under the liner, 2 slices from the middle and 2 slices from the end. Obtain 2 slices from the bedrock sample.

(3). Slice concrete cores from locations 181 through 184 into approximately 2.5 inch wafers. Obtain 2 slices from directly under the liner, 2 slices from the middle and 2 slices from the end.

(4). Slice concrete cores from locations 185 and 186 into approximately 1 inch wafers. (1)

(5). Place the wafers into double plastic bags or into a vacuum sealed single bag, apply tamper proof tape and label each sample with "01", "02" etc, after the core designation. (2)

i. Generate a COC for samples being analyzed.

(1) Slice a single inch wafer from the co-located sample.

(2) Place the top 2 inch wafers from the co-located samples into a single bag.

PA 5/3/04 MN 5/3/04

(2). Record sample IDs, date and time of collection on the COC.

(3). The media code is "CT" for concrete, "TS" for soil and "BR" for bedrock. The sample type code is "CR" for core or "G" for grab and the container type is "BP" for plastic bag.

(4). The analysis code is "CHGAM" for all samples.

(5). Record "H-3" and "Sr-90" as additional analyses codes for all concrete wafers except the first two wafers at the floor elevation from SMLs 175 through 180.

(6). Record "C-14" as an additional analysis code for the first 2 wafers under the liner from SMLs 175 through 180. and "TRU" PH 3/15/04 MMC 3/15/04

(7). Record "~~CHTRU~~" as an additional analysis code for the first wafer of cores taken from SMLs 185 and 186. CHALL and "SPLP" PH 5/3/04 MMC 5/3/04

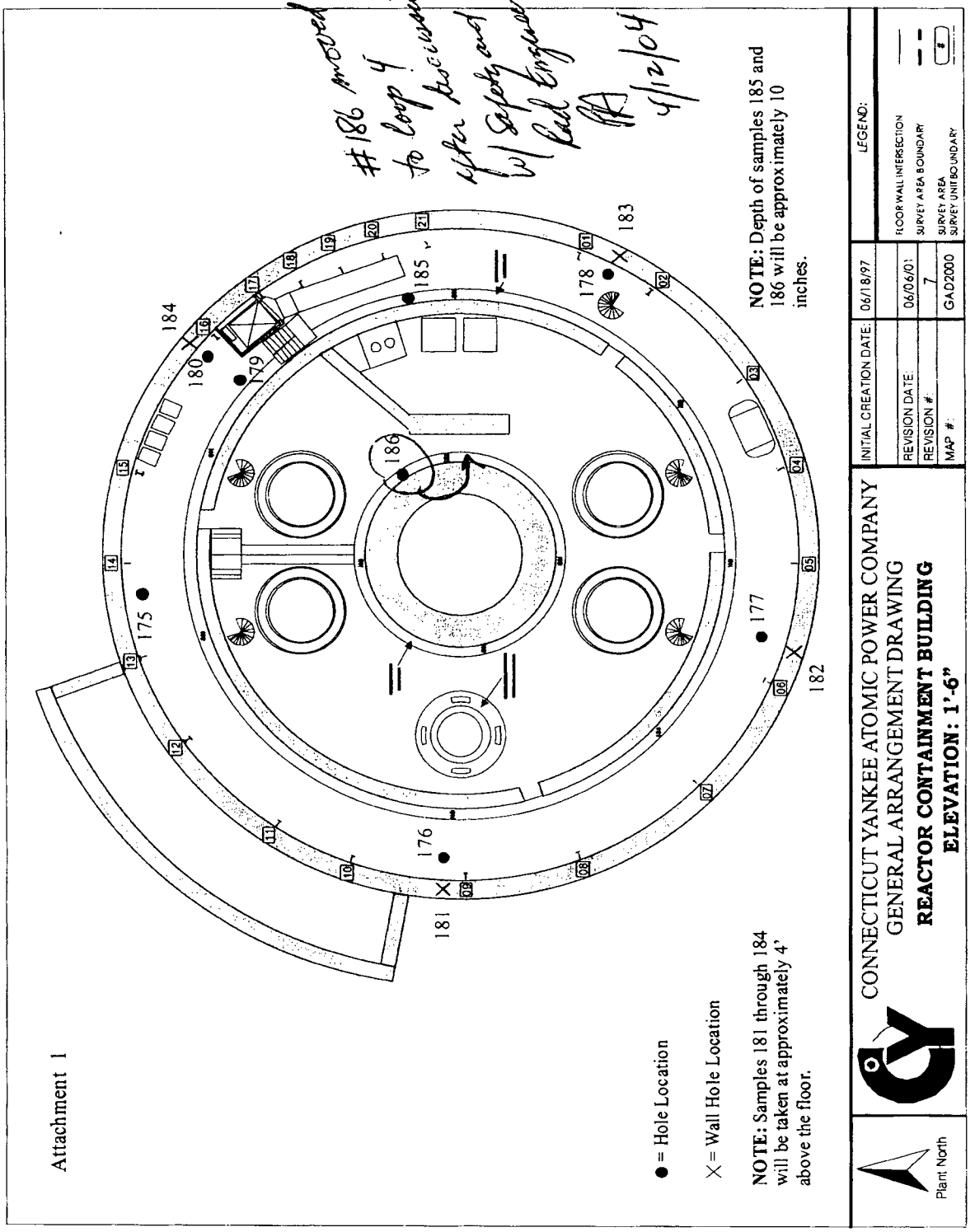
3. Evaluate the data and determine appropriate actions.

Prepared by _____ Date 2/18/04
Radiological Engineer

Reviewed by _____ Date 2/18/04
5/4/04

Survey/Sampling Work Plan – SSWP

Attachment 1 – Sample Location Map

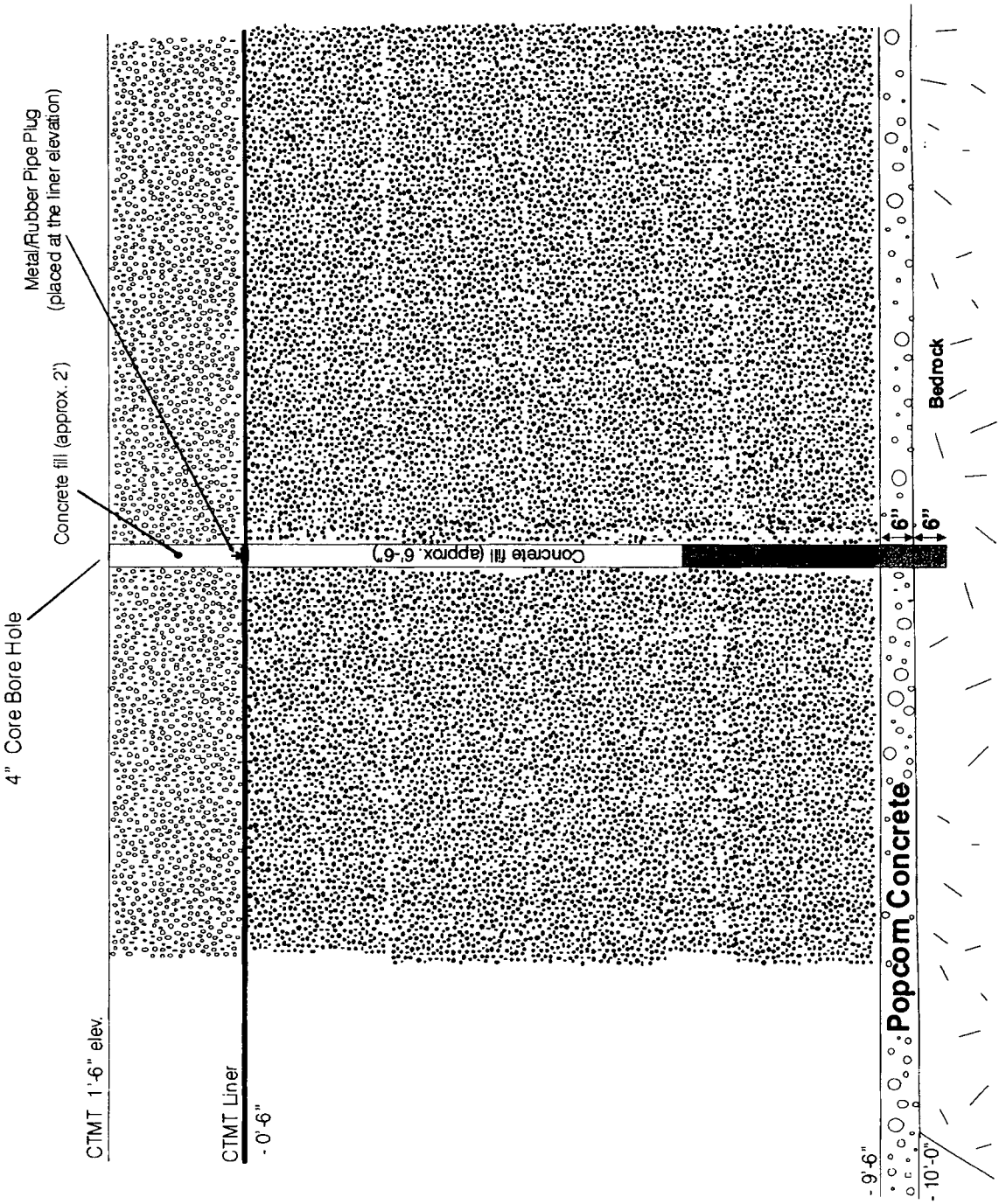


Survey/Sampling Work Plan – SSWP

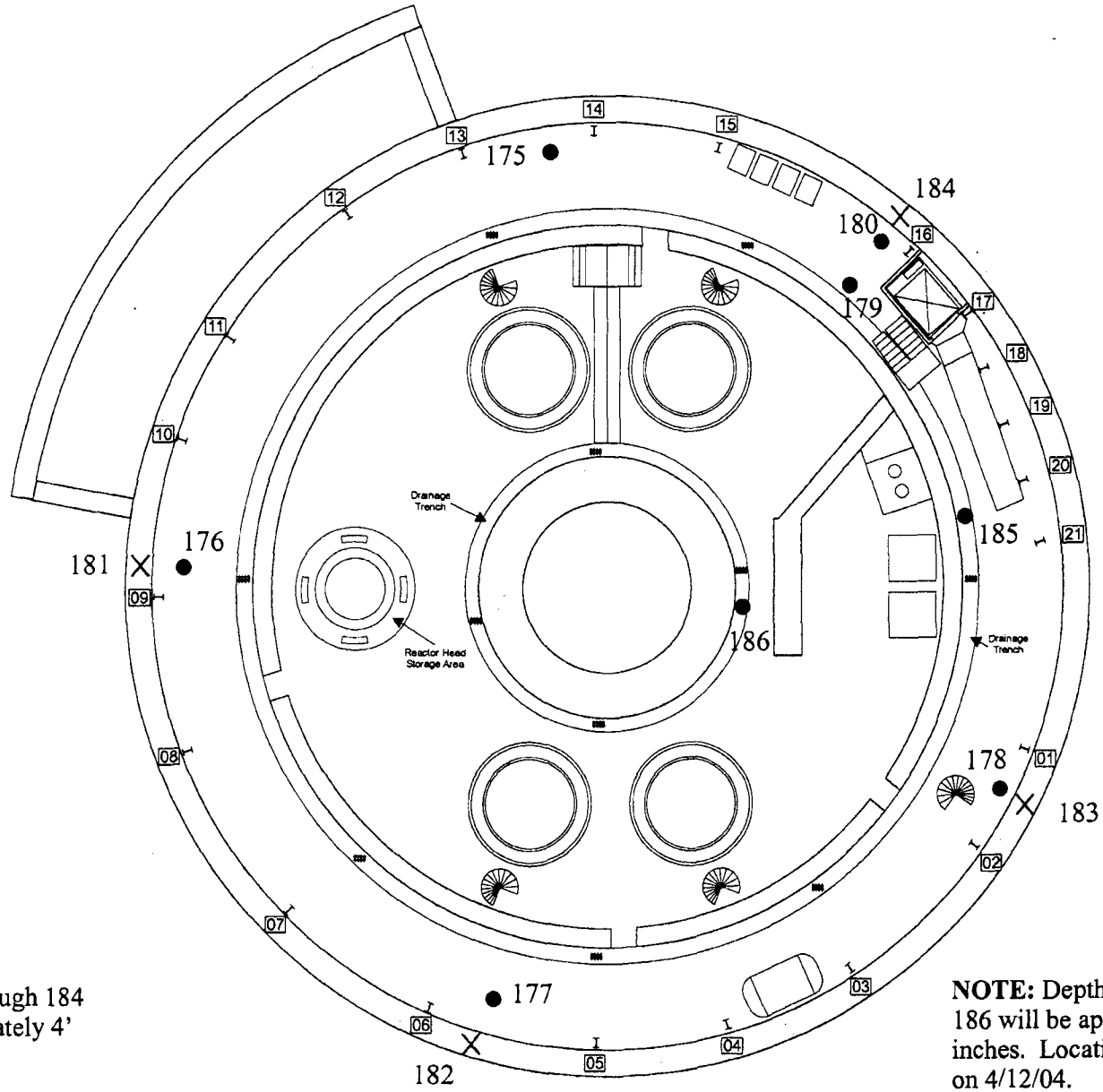
Attachment 2 – Floor Hole Restoration Diagram

Attachment 2

Core Boring in Containment floor



Attachment 1



● = Hole Location

X = Wall Hole Location

NOTE: Samples 181 through 184 will be taken at approximately 4' above the floor.

NOTE: Depth of samples 185 and 186 will be approximately 10 inches. Location for 186 revised on 4/12/04.

Plant North

CONNECTICUT YANKEE ATOMIC POWER COMPANY
GENERAL ARRANGEMENT DRAWING
REACTOR CONTAINMENT BUILDING
ELEVATION: 1'-6"

INITIAL CREATION DATE:	06/18/97
REVISION DATE:	06/06/01
REVISION #:	7
MAP #:	GAD2000

LEGEND:

FLOOR WALL INTERSECTION
SURVEY AREA BOUNDARY
SURVEY AREA
SURVEY UNIT BOUNDARY

GENERAL ENGINEERING LABORATORIES, LLC
a Member of THE GEL GROUP, INC.
Meeting Today's Needs with a Vision for Tomorrow

March 31, 2004

Mr. Pete Hollenbeck
Connecticut Yankee Atomic Power
Haddam Neck Plant 362 Injun Hollow Road
East Hampton, Connecticut 06424

RE: Concrete Cores PO# 002337
Work Order: 109153
SDG: 04-0719

BCY-SSWP-04-01-002 Rev. 1
177 178
SML-180

Dear Mr. Hollenbeck:

General Engineering Laboratories, LLC (GEL) appreciates the opportunity to provide the following analytical results for the sample(s) we received on March 17, 2004. Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time.

This data report has been prepared and reviewed in accordance with GEL's standard operating procedures. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4475.

Sincerely,

Sarah Kozik
Project Manager

Purchase Order: 002337
Chain of Custody: 2004-00028, 2004-00029 and 2004-00030
Enclosures

P.O. Box 30712 • Charleston, SC 29417 • 2040 Savage Road (29407)
Phone (843) 556-8171 • Fax (843) 766-1178 • www.gel.com

CONNECTICUT YANKEE
PROJECT: CONCRETE CORES
PO# 002337
Work Order: 109153
SDG: 04-0719

109153001	3100-0000-177-C-4C-01
109153002	3100-0000-177-C-4C-02
109153003	3100-0000-178-C-4C-01
109153004	3100-0000-178-C-4C-02
109153005	3100-0000-180-C-4C-01
109153006	3100-0000-180-C-4C-02
109153007	3100-0000-177-C-11C-01
109153008	3100-0000-177-C-14C-01
109153009	3100-0000-178-C-9C-01
109153010	3100-0000-178-C-13C-01
109153011	3100-0000-178-C-17C-01
109153012	3100-0000-178-C-18C-01
109153013	3100-0000-180-C-10C-01
109153014	3100-0000-180C-14C-01
109153015	3100-0000-180-C-18C-01
109153016	3100-0000-180-C-18C-02

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CASE NARRATIVE

CASE NARRATIVE
For
CONNECTICUT YANKEE
PROJECT: CONCRETE CORES
PO# 002337
Work Order: 109153
SDG: 04-0719

March 31, 2004

Laboratory Identification:
General Engineering Laboratories, LLC

Mailing Address:
P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:
2040 Savage Road
Charleston, South Carolina 29407

Telephone Number:
(843) 556-8171

Summary:

Sample receipt

The samples for the Concrete Cores Project for work order 109153 arrived at General Engineering Laboratories, LLC, (GEL) in Charleston, South Carolina March 17, 2004 for environmental analysis. All sample containers arrived without any visible signs of tampering or breakage. The chain of custody contained the proper documentation and signatures.

The laboratory received the following samples:

3100-0000-177-C-4C-01
3100-0000-177-C-4C-02
3100-0000-178-C-4C-01
3100-0000-178-C-4C-02
3100-0000-180-C-4C-01
3100-0000-180-C-4C-02
3100-0000-177-C-11C-01
3100-0000-177-C-14C-01
3100-0000-178-C-9C-01
3100-0000-178-C-13C-01
3100-0000-178-C-17C-01
3100-0000-178-C-18C-01

3100-0000-180-C-10C-01
3100-0000-180C-14C-01
3100-0000-180-C-18C-01
3100-0000-180-C-18C-02

Items of Note:

There are no items to note.

Case Narrative:

Sample analyses were conducted using methodology as outlined in General Engineering Laboratories (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are listed below by analytical parameter.

Analytical Request:

Sixteen concrete samples were analyzed for Gamma Isotopic, H-3, and Sr-90. Six of the sixteen samples were also analyzed for C-14 and TRU analysis.

Internal Chain of Custody:

Custody was maintained for all of these samples.

Data Package:

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Laboratory Certifications, and Radiochemistry.

I certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

Sarah Kozlik
Project Manager

CHAIN OF CUSTODY

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2004-00030

109153%

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29417
Sarah Kozlik

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

	Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size- &Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
001	3100-0000-177-C-4C-01	2/24/04	0900	CT	CR	BP	X	X	X	X	X			
002	3100-0000-177-C-4C-02	2/24/04	0900	CT	CR	BP	X	X	X	X	X			
007	3100-0000-177-C-11C-01	2/25/04	1420	CT	CR	BP	X	X	X					
008	3100-0000-177-C-14C-01	2/26/04	1325	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0719 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7919 9690 6300
Bill of Lading #

Internal Container Temp.: 15° Deg. C
Custody Sealed? Y ☐ N ☑
Custody Seal Intact? Y ☐ N ☑

1) Relinquished By	Date/Time	2) Received By	Date/Time
D. Johnson	3-16-04 / 1100	[illegible]	3-17-04 0900
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

Chain of Custody Form

No. 2004-00029

1091537.

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29417
Sarah Kozlik

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

	Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
003	3100-0000-178-C-4C-01	3/3/04	1410	CT	CR	BP	X	X	X	X	X			
004	3100-0000-178-C-4C-02	3/3/04	1410	CT	CR	BP	X	X	X	X	X			
009	3100-0000-178-C-9C-01	3/4/04	0940	CT	CR	BP	X	X	X					
010	3100-0000-178-C-13C-01	3/4/04	1055	CT	CR	BP	X	X	X					
011	3100-0000-178-C-17C-01	3/5/04	0850	CT	CR	BP	X	X	X					
012	3100-0000-178-C-18C-01	3/5/04	0900	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0719 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7917 9640 6300
Bill of Lading #

Internal Container Temp.: 15 Deg. C
Custody Sealed? Y ☐ N ☑
Custody Seal Intact? Y ☐ N ☑

1) Relinquished By: H Johnson — Date/Time: 3-16-04 / 1100	2) Received By: [signature] — Date/Time: 3-17-04 0900
3) Relinquished By — Date/Time	4) Received By — Date/Time
5) Relinquished By — Date/Time	6) Received By — Date/Time

Chain of Custody Form

No. 2004-00028

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

109153%

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29417
Sarah Kozlik

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

	Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
005	3100-0000-180-C-4C-01	3/2/04	0820	CT	CR	BP	X	X	X	X	X			
006	3100-0000-180-C-4C-02	3/2/04	0820	CT	CR	BP	X	X	X	X	X			
013	3100-0000-180-C-10C-01	3/2/04	1410	CT	CR	BP	X	X	X					
014	3100-0000-180-C-14C-01	3/2/04	1530	CT	CR	BP	X	X	X					
015	3100-0000-180-C-18C-01	3/3/04	0930	CT	CR	BP	X	X	X					
016	3100-0000-180-C-18C-02	3/3/04	0930	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0719 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7917 9690 6300
Bill of Lading #

Internal Container Temp.: 15 Deg. C
Custody Sealed? Y☐ N☑
Custody Seal Intact? Y☐ N☑

1) Relinquished By: D. Johnson	Date/Time: 3-16-04/1100
2) Received By: [signature]	Date/Time: 3-17-04 0900
3) Relinquished By	Date/Time
4) Received By	Date/Time
5) Relinquished By	Date/Time
6) Received By	Date/Time

COOLER RECEIPT CHECKLIST

Figure 1. Sample Check-in List

Date/Time Received: 3-17-04 0900

SDG#: 04-0719

Work Order Number: 109153

Shipping Container ID: 7917 9690 6300 (Fed Ex.) Chain of Custody # 2004-00028, 00029 to 00030

1. Custody Seals on shipping container intact? Yes [ ] No [ ] ✓ no custody seals
2. Custody Seals dated and signed? Yes [ ] No [✓]
3. Chain-of-Custody record present? Yes [✓] No [ ]
4. Cooler temperature 15C
5. Vermiculite/packing materials is: Wet [ ] Dry [✓]
6. Number of samples in shipping container: 16
7. Sample holding times exceeded? Yes [ ] No [✓]

8. Samples have:

_____tape _____hazard labels

_____custody seals ✓ appropriate sample labels

9. Samples are:

✓ in good condition _____leaking

_____broken _____have air bubbles

10. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
11. Description of anomalies (include sample numbers): _____

Sample Custodian/Laboratory: Mike Kimbrow Date: 3-17-04

Telephoned to:_____On_____By_____

APPENDIX 1

Radioactive Shipment Inventory Sheet

Received By: Mike Kinslow Date Received: 3-17-04

Number of Samples in Shipment: 16, Total Shipment Volume concrete ml/gr

Sample Data Attached (Circle One) **YES** **NO**

Rad Tests Pending (Circle One) **YES** **NO**

License Category	Isotope	uCi	Remarks
H-3	Tritium		
Z# 2-83			
Z# 84-98			
Z# 99-100			
SNM	U-233		
SNM	U-235		
SNM -Plutonium			

Sample Information:

Client:	Conn. Yankee	
All Applicable Lab Work Order #'s:		
	Package Exterior	Samples
Maximum Surface Reading (mR/hr): (beta window open)		<0.1 mR/HR
Maximum Removable Alpha Contamination (pCi/100cm^2): **50cpm>bkg = 50 pCi/100cm^2**		N/D
Maximum Removable Beta Contamination (pCi/100cm^2): **100cpm>bkg=450pCi/100cm^2**		<450 pci

License entry completed:_____ Date:_____

Standing Order HPM 02-002
Attachment B
Sample Notification

To: Sarah Kozlik

From: Pete Hollenbeck Tel Number: 860 267 3923

Date: 3/16/04

Please be advised that the samples in this package may contain trace amounts of radioactive material that has been determined to be below the DOT requirement to be regulated in commerce. Please handle them with standard laboratory practices.

Signature P Hollenbeck

Attachment 7
MATERIAL/SERVICE REQUISITION

☐ ITEMS ☒ SERVICES	MSR NUMBER: 04-0719	PO NUMBER: 002337
ORIGINATOR: Pete Hollenbeck DATE: 3/16/04	DATE REQUIRED: 4/1/04	MEPL NUMBER:
TITLE/DESCRIPTION: Laboratory Analytical Services	DESIGN BASIS DOC. / IEE NO. : LTP	RISK REQUEST: YES ☐ NO ☒
SUGGESTED VENDOR(S): **General Engineering Laboratories 2040 Savage Road Charleston, SC 29407 843-556-8171 Sarah Kozlik**	VENDOR NUMBER: 21554 SEISMICALLY QUALIFIED: YES ☐ NO ☐	NUCLEAR INDICATOR: CAT 1 ☐ RWQA ☐ SFQA ☐ FPQA ☐ NON-QA ☒ Radwaste Type B ☐ AP-0204 ☐ LTP QA ☐
PROCUREMENT LEVEL 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☒	MRIR NUMBER (ONLY)	QUALITY CAT. : A ☐ B ☐ C ☐ NAC-MPC/STC ANCILLARY EQUIPMENT ☐

DIR NUMBER	QUANTITY	ESTIMATED PRICE	U/M	MANUFACTURER, CATALOG NUMBER, MODEL NUMBER, AND / OR PART NUMBER AND COMPLETE DESCRIPTION
	16	See Attached Spreadsheet		**See attached Chain-of-custody forms: 2004-00028 2004-00029 2004-00030**

SPECIAL REQUIREMENTS AND CONDITIONS:

ACCOUNT DISTRIBUTION NUMBER									
Natural Account	SUB ACCOUNT			PROJECT			TASK		
	RPT Unit	Cost Center	Phase	Phase	Project	Work Order	Cost Center	Task	Sub Task
74200	83	CLOS	04	04	FSS	0000	CLOS	501	00

DEPARTMENT MANAGER APPROVAL	DATE 3/16/04
FIRE PROTECTION ENGINEER /COORDINATOR(For Any Fire Protection Purchases)	DATE
ENGINEERING REVIEW (For PL-1 THROUGH 5 Only)	DATE
NSO APPROVAL (For PL-1 THROUGH 5 Only)	DATE
MANAGER-ENGINEERING APPROVAL (For QA CAT 1 Only)	DATE
HEALTH PHYSICS/RADIATION PROTECTION APPROVAL (For Any Purchases Containing Radioactive Material)	DATE
SITE MANAGER APPROVAL (For Purchases Greater than $50,000)	DATE
ASSISTANT TREASURER/TREASURER, VICE PRESIDENT OR PRESIDENT APPROVAL (For Purchases Greater Than $150,000)	DATE
STORES	DATE

RADIOLOGICAL ANALYSIS

Radiochemistry Case Narrative
Connecticut Yankee Atomic Power Co. (YANK)
Work Order 109153

Method/Analysis Information

Product:	**Alphaspec Am241, Cm, Solid-TRU2**
Analytical Method:	DOE EML HASL-300, Am-05-RC Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	320857
Prep Batch Number:	318282
Dry Soil Prep GL-RAD-A-021 Batch Number:	318277

Sample ID	Client ID
109153001	3100-0000-177-C-4C-01
109153002	3100-0000-177-C-4C-02
109153003	3100-0000-178-C-4C-01
109153004	3100-0000-178-C-4C-02
109153005	3100-0000-180-C-4C-01
109153006	3100-0000-180-C-4C-02
1200596272	Method Blank (MB)
1200596275	Laboratory Control Sample (LCS)
1200596273	109153004(3100-0000-178-C-4C-02) Sample Duplicate (DUP)
1200596274	109153004(3100-0000-178-C-4C-02) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-011 REV# 12.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109153004 (3100-0000-178-C-4C-02).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Samples 109153001 (3100-0000-177-C-4C-01), 109153002 (3100-0000-177-C-4C-02), 109153003 (3100-0000-178-C-4C-01), 109153004 (3100-0000-178-C-4C-02), 109153005 (3100-0000-180-C-4C-01), 109153006 (3100-0000-180-C-4C-02), 1200596272 (MB), 1200596273 (3100-0000-178-C-4C-02), 1200596274 (3100-0000-178-C-4C-02) and 1200596275 (LCS) were recounted due to low/high recovery and high MDAs.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Alphaspec Pu, Solid-TRU2**
Analytical Method:	DOE EML HASL-300, Pu-11-RC Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	318765
Prep Batch Number:	318282
Dry Soil Prep GL-RAD-A-021 Batch Number:	318277

Sample ID	Client ID
109153001	3100-0000-177-C-4C-01
109153002	3100-0000-177-C-4C-02
109153003	3100-0000-178-C-4C-01
109153004	3100-0000-178-C-4C-02
109153005	3100-0000-180-C-4C-01
109153006	3100-0000-180-C-4C-02
1200591003	Method Blank (MB)
1200591006	Laboratory Control Sample (LCS)
1200591004	109153001(3100-0000-177-C-4C-01) Sample Duplicate (DUP)
1200591005	109153001(3100-0000-177-C-4C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-011 REV# 12.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109153001 (3100-0000-177-C-4C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Pu241, Solid-TRU2**
Analytical Method:	DOE EML HASL-300, Pu-11-RC Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	318766
Prep Batch Number:	318282
Dry Soil Prep GL-RAD-A-021 Batch Number:	318277

Sample ID	Client ID
109153001	3100-0000-177-C-4C-01
109153002	3100-0000-177-C-4C-02
109153003	3100-0000-178-C-4C-01
109153004	3100-0000-178-C-4C-02
109153005	3100-0000-180-C-4C-01
109153006	3100-0000-180-C-4C-02
1200591007	Method Blank (MB)
1200591010	Laboratory Control Sample (LCS)
1200591008	109153002(3100-0000-177-C-4C-02) Sample Duplicate (DUP)

1200591009 109153002(3100-0000-177-C-4C-02) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-035 REV# 4.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109153002 (3100-0000-177-C-4C-02).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Gammaspec, Gamma, Solid-GAM2**
Analytical Method:	EML HASL 300, 4.5.2.3
Prep Method:	Dry Soil Prep
Laboratory sample composite Method:	GL-RAD-A-026
Analytical Batch Number:	318348

Prep Batch Number: 318277
Laboratory sample composite Batch Number: 318275

Sample ID	Client ID
109153001	3100-0000-177-C-4C-01
109153002	3100-0000-177-C-4C-02
109153003	3100-0000-178-C-4C-01
109153004	3100-0000-178-C-4C-02
109153005	3100-0000-180-C-4C-01
109153006	3100-0000-180-C-4C-02
109153007	3100-0000-177-C-11C-01
109153008	3100-0000-177-C-14C-01
109153009	3100-0000-178-C-9C-01
109153010	3100-0000-178-C-13C-01
109153011	3100-0000-178-C-17C-01
109153012	3100-0000-178-C-18C-01
109153013	3100-0000-180-C-10C-01
109153014	3100-0000-180C-14C-01
109153015	3100-0000-180-C-18C-01
109153016	3100-0000-180-C-18C-02
1200589858	Method Blank (MB)
1200589860	Laboratory Control Sample (LCS)
1200589859	109153001(3100-0000-177-C-4C-01) Sample Duplicate (DUP)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-013 REV# 9.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109153001 (3100-0000-177-C-4C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information

Qualifier	Reason	Analyte	Sample
UI	Data rejected due to low abundance.	Cesium-134	109153001
			109153006
			109153015
		Lead-212	1200589858
		Niobium-94	109153007
		Thallium-208	1200589858
UI	Data rejected due to no valid peak.	Cobalt-60	109153010

Method/Analysis Information

Product:	**GFPC, Sr90, solid-HTD2**
Analytical Method:	EPA 905.0 Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	319123
Prep Batch Number:	318282
Dry Soil Prep GL-RAD-A-021 Batch Number:	318277

Sample ID	Client ID
109153001	3100-0000-177-C-4C-01
109153002	3100-0000-177-C-4C-02
109153003	3100-0000-178-C-4C-01
109153004	3100-0000-178-C-4C-02
109153005	3100-0000-180-C-4C-01
109153006	3100-0000-180-C-4C-02
109153007	3100-0000-177-C-11C-01
109153008	3100-0000-177-C-14C-01
109153009	3100-0000-178-C-9C-01
109153010	3100-0000-178-C-13C-01
109153011	3100-0000-178-C-17C-01
109153012	3100-0000-178-C-18C-01
109153013	3100-0000-180-C-10C-01
109153014	3100-0000-180C-14C-01
109153015	3100-0000-180-C-18C-01
109153016	3100-0000-180-C-18C-02
1200591878	Method Blank (MB)
1200591881	Laboratory Control Sample (LCS)

1200591879	109153006(3100-0000-180-C-4C-02) Sample Duplicate (DUP)
1200591880	109153006(3100-0000-180-C-4C-02) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-004 REV# 8.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109153006 (3100-0000-180-C-4C-02).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information
Product: **LSC, Tritium Dist, Solid-HTD2**

Analytical Method:	EPA 906.0 Modified
Prep Method:	GL-RAD-A-026
Analytical Batch Number:	318708
Prep Batch Number:	318275

Sample ID	Client ID
109153001	3100-0000-177-C-4C-01
109153002	3100-0000-177-C-4C-02
109153003	3100-0000-178-C-4C-01
109153004	3100-0000-178-C-4C-02
109153005	3100-0000-180-C-4C-01
109153006	3100-0000-180-C-4C-02
109153007	3100-0000-177-C-11C-01
109153008	3100-0000-177-C-14C-01
109153009	3100-0000-178-C-9C-01
109153010	3100-0000-178-C-13C-01
109153011	3100-0000-178-C-17C-01
109153012	3100-0000-178-C-18C-01
109153013	3100-0000-180-C-10C-01
109153014	3100-0000-180C-14C-01
109153015	3100-0000-180-C-18C-01
109153016	3100-0000-180-C-18C-02
1200590777	Method Blank (MB)
1200590780	Laboratory Control Sample (LCS)
1200590778	109153001(3100-0000-177-C-4C-01) Sample Duplicate (DUP)
1200590779	109153001(3100-0000-177-C-4C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-002 REV# 9.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109153001 (3100-0000-177-C-4C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint C14, Solid-HTD2**
Analytical Method:	EPA EERF C-01 Modified
Prep Method:	GL-RAD-A-026
Analytical Batch Number:	318729
Prep Batch Number:	318275

Sample ID	Client ID
109153001	3100-0000-177-C-4C-01
109153002	3100-0000-177-C-4C-02
109153003	3100-0000-178-C-4C-01
109153004	3100-0000-178-C-4C-02
109153005	3100-0000-180-C-4C-01
109153006	3100-0000-180-C-4C-02
1200590843	Method Blank (MB)
1200590846	Laboratory Control Sample (LCS)
1200590844	109153001(3100-0000-177-C-4C-01) Sample Duplicate (DUP)
1200590845	109153001(3100-0000-177-C-4C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-003 REV# 6.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109153001 (3100-0000-177-C-4C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Certification Statement
Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation:
GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.
The following data validator verified the information presented in this case narrative:

Reviewer: Heather G Andrae 3/31/04

SAMPLE DATA SUMMARY

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID:	3100-0000-177-C-4C-01	Project:	YANK00204
Sample ID:	109153001	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	24-FEB-04		
Receive Date:	17-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2													
Americium-241	U	-0.00095	+/-0.0219	0.0203	+/-0.0219	0.0567	pCi/g		JAS1	03/30/04	1936	320857	2
Curium-242	U	0.00	+/-0.0136	0.00	+/-0.0136	0.0188	pCi/g						
Curium-243/244	U	0.00167	+/-0.0144	0.0118	+/-0.0144	0.0396	pCi/g						
Alphaspec Pu, Solid-TRU2													
Plutonium-238	U	-0.000268	+/-0.0204	0.0198	+/-0.0204	0.0469	pCi/g		MLA	03/23/04	2309	318765	4
Plutonium-239/240	U	0.012	+/-0.0164	0.0117	+/-0.0165	0.0307	pCi/g						
Liquid Scint Pu241, Solid-TRU2													
Plutonium-241	U	2.71	+/-2.46	2.02	+/-2.47	4.11	pCi/g		MLA	03/26/04	0112	318766	5
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.579	+/-0.172	0.0422	+/-0.168	0.0926	pCi/g		SRB	03/26/04	1014	318348	6
Americium-241	U	0.0368	+/-0.0625	0.0587	+/-0.0613	0.122	pCi/g						
Bismuth-212		0.236	+/-0.163	0.0899	+/-0.159	0.196	pCi/g						
Bismuth-214		0.470	+/-0.080	0.0245	+/-0.0784	0.0524	pCi/g						
Cesium-134	U UI	0.00	+/-0.0315	0.0174	+/-0.0309	0.0371	pCi/g						
Cesium-137		0.0342	+/-0.0254	0.0153	+/-0.0249	0.0325	pCi/g						
Cobalt-60		0.069	+/-0.0247	0.013	+/-0.0242	0.0292	pCi/g						
Europium-152	U	0.0077	+/-0.042	0.0354	+/-0.0412	0.0745	pCi/g						
Europium-154	U	0.0128	+/-0.0466	0.039	+/-0.0457	0.0869	pCi/g						
Europium-155	U	0.0505	+/-0.0591	0.0363	+/-0.0579	0.0755	pCi/g						
Lead-212		0.488	+/-0.061	0.0203	+/-0.0597	0.0424	pCi/g						
Lead-214		0.570	+/-0.0886	0.0233	+/-0.0868	0.0494	pCi/g						
Manganese-54	U	0.0161	+/-0.0166	0.012	+/-0.0162	0.0263	pCi/g						
Niobium-94	U	0.0133	+/-0.0144	0.0131	+/-0.0141	0.028	pCi/g						
Potassium-40		7.48	+/-0.861	0.136	+/-0.844	0.305	pCi/g						
Radium-226		0.470	+/-0.080	0.0245	+/-0.0784	0.0524	pCi/g						
Silver-108m	U	0.0165	+/-0.0148	0.0131	+/-0.0145	0.0277	pCi/g						
Thallium-208		0.144	+/-0.0308	0.014	+/-0.0301	0.0299	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0214	+/-0.0071	0.005	+/-0.0087	0.0105	pCi/g		LCA1	03/26/04	0336	319123	7
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	1.01	+/-1.19	0.948	+/-1.20	1.90	pCi/g		CTO1	03/24/04	2221	318708	8

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-177-C-4C-01
Sample ID: 109153001

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Liquid Scintillation Analysis											
Liquid Scint C14, Solid-HTD2											
Carbon-14	U	-0.0093	+/-0.249	0.210	+/-0.249	0.431	pCi/g		CTO1 03/24/04	0031	318729 9
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1534	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Am-05-RC Modified
3	DOE EML HASL-300, Am-05-RC Modified
4	DOE EML HASL-300, Pu-11-RC Modified
5	DOE EML HASL-300, Pu-11-RC Modified
6	EML HASL 300, 4.5.2.3
7	EPA 905.0 Modified
8	EPA 906.0 Modified
9	EPA EERF C-01 Modified
10	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TRU	95	(25%-125%)
Plutonium-242	Alphaspec Pu, Solid-TRU2	101	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid-TRU2	101	
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	95	(25%-125%)

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

< Result is less than amount reported.

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-177-C-4C-01
Sample ID: 109153001

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-177-C-4C-02
Sample ID: 109153002
Matrix: Misc Solid
Collect Date: 24-FEB-04
Receive Date: 17-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2													
Americium-241	U	0.0087	+/-0.0211	0.0134	+/-0.0212	0.0453	pCi/g		JAS1	03/30/04	1936	320857	2
Curium-242	U	0.00	+/-0.0155	0.00	+/-0.0155	0.0215	pCi/g						
Curium-243/244	U	-0.00491	+/-0.00962	0.0135	+/-0.00964	0.0454	pCi/g						
Alphaspec Pu, Solid-TRU2													
Plutonium-238	U	-0.00173	+/-0.0183	0.0182	+/-0.0183	0.0448	pCi/g		MLA	03/23/04	2309	318765	4
Plutonium-239/240	U	0.003	+/-0.012	0.0101	+/-0.012	0.0285	pCi/g						
Liquid Scint Pu241, Solid-TRU2													
Plutonium-241	U	2.55	+/-2.80	2.30	+/-2.80	4.68	pCi/g		MLA	03/26/04	0214	318766	5
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.433	+/-0.144	0.0458	+/-0.141	0.0997	pCi/g		SRB	03/26/04	1014	318348	6
Americium-241	U	-0.0758	+/-0.154	0.0936	+/-0.151	0.194	pCi/g						
Bismuth-212		0.271	+/-0.207	0.110	+/-0.203	0.235	pCi/g						
Bismuth-214		0.438	+/-0.0849	0.0281	+/-0.0832	0.0595	pCi/g						
Cesium-134	U	0.0117	+/-0.0194	0.0169	+/-0.019	0.0361	pCi/g						
Cesium-137		0.0299	+/-0.0153	0.0116	+/-0.0149	0.0251	pCi/g						
Cobalt-60	U	0.0217	+/-0.0217	0.0153	+/-0.0212	0.0338	pCi/g						
Europium-152	U	-0.0244	+/-0.0454	0.0385	+/-0.0445	0.0809	pCi/g						
Europium-154	U	0.0218	+/-0.0567	0.0493	+/-0.0556	0.107	pCi/g						
Europium-155	U	0.0157	+/-0.0542	0.0481	+/-0.0531	0.0994	pCi/g						
Lead-212		0.501	+/-0.0686	0.0229	+/-0.0672	0.0476	pCi/g						
Lead-214		0.436	+/-0.0831	0.0279	+/-0.0815	0.0585	pCi/g						
Manganese-54	U	-0.00352	+/-0.0166	0.0141	+/-0.0162	0.0303	pCi/g						
Niobium-94	U	0.00181	+/-0.0148	0.0124	+/-0.0145	0.0266	pCi/g						
Potassium-40		8.38	+/-0.942	0.0955	+/-0.923	0.223	pCi/g						
Radium-226		0.438	+/-0.0849	0.0281	+/-0.0832	0.0595	pCi/g						
Silver-108m	U	0.000765	+/-0.0154	0.0117	+/-0.0151	0.0249	pCi/g						
Thallium-208		0.154	+/-0.0357	0.0142	+/-0.035	0.0302	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	-0.0127	+/-0.0068	0.0062	+/-0.0074	0.0128	pCi/g		LCA1	03/26/04	0336	319123	7
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	0.915	+/-1.13	0.901	+/-1.13	1.80	pCi/g		CTO1	03/24/04	2324	318708	8
Liquid Scint C14, Solid-HTD2													

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-177-C-4C-02
Sample ID: 109153002
Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis												
Liquid Scint C14, Solid-HTD2												
Carbon-14	U	-0.0321	+/-0.223	0.188	+/-0.223	0.387	pCi/g		CTO1 03/24/04	0103	318729	9
Solid Preparation												
Laboratory Composite												

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1534	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Am-05-RC Modified
3	DOE EML HASL-300, Am-05-RC Modified
4	DOE EML HASL-300, Pu-11-RC Modified
5	DOE EML HASL-300, Pu-11-RC Modified
6	EML HASL 300, 4.5.2.3
7	EPA 905.0 Modified
8	EPA 906.0 Modified
9	EPA EERF C-01 Modified
10	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TRU	88	(25%-125%)
Plutonium-242	Alphaspec Pu, Solid-TRU2	86	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid-TRU2	86	
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	99	(25%-125%)

Notes:
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Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-177-C-4C-02
Sample ID: 109153002

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-178-C-4C-01
Sample ID: 109153003
Matrix: Misc Solid
Collect Date: 03-MAR-04
Receive Date: 17-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2													
Americium-241	U	0.0103	+/-0.0181	0.0123	+/-0.0181	0.0345	pCi/g		JAS1	03/30/04	1936	320857	2
Curium-242	U	0.00228	+/-0.0139	0.0113	+/-0.0139	0.0337	pCi/g						
Curium-243/244		0.0109	+/-0.0123	0.00	+/-0.0123	0.00981	pCi/g						
Alphaspec Pu, Solid-TRU2													
Plutonium-238	U	0.0173	+/-0.0232	0.018	+/-0.0233	0.0439	pCi/g		MLA	03/23/04	2309	318765	4
Plutonium-239/240	U	0.00285	+/-0.0114	0.00962	+/-0.0114	0.0271	pCi/g						
Liquid Scint Pu241, Solid-TRU2													
Plutonium-241	U	1.02	+/-2.43	2.02	+/-2.43	4.12	pCi/g		MLA	03/26/04	0317	318766	5
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.387	+/-0.117	0.0348	+/-0.115	0.0761	pCi/g		SRB	03/26/04	1015	318348	6
Americium-241	U	-0.0181	+/-0.077	0.0678	+/-0.0755	0.141	pCi/g						
Bismuth-212		0.257	+/-0.191	0.096	+/-0.187	0.205	pCi/g						
Bismuth-214		0.366	+/-0.0593	0.0182	+/-0.0582	0.0392	pCi/g						
Cesium-134	U	0.0283	+/-0.0202	0.0152	+/-0.0198	0.0322	pCi/g						
Cesium-137		0.0439	+/-0.0204	0.0107	+/-0.020	0.023	pCi/g						
Cobalt-60	U	0.0303	+/-0.0218	0.0164	+/-0.0214	0.0353	pCi/g						
Europium-152	U	0.0272	+/-0.0361	0.0325	+/-0.0354	0.0681	pCi/g						
Europium-154	U	-0.0597	+/-0.0418	0.0285	+/-0.041	0.0639	pCi/g						
Europium-155	U	0.0224	+/-0.0517	0.0368	+/-0.0507	0.0762	pCi/g						
Lead-212		0.459	+/-0.0616	0.0183	+/-0.0604	0.0381	pCi/g						
Lead-214		0.462	+/-0.0752	0.0211	+/-0.0737	0.0444	pCi/g						
Manganese-54	U	0.00773	+/-0.0138	0.0122	+/-0.0135	0.0261	pCi/g						
Niobium-94	U	0.0112	+/-0.0157	0.0103	+/-0.0154	0.0221	pCi/g						
Potassium-40		6.90	+/-0.794	0.077	+/-0.778	0.180	pCi/g						
Radium-226		0.366	+/-0.0593	0.0182	+/-0.0582	0.0392	pCi/g						
Silver-108m	U	0.00132	+/-0.0116	0.0105	+/-0.0114	0.0222	pCi/g						
Thallium-208		0.140	+/-0.0328	0.0108	+/-0.0321	0.0231	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0068	+/-0.0064	0.0051	+/-0.0066	0.0106	pCi/g		LCA1	03/26/04	0335	319123	7
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		2.34	+/-1.24	0.922	+/-1.26	1.84	pCi/g		CTO1	03/25/04	0026	318708	8
Liquid Scint C14, Solid-HTD2													

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Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-178-C-4C-01
Sample ID: 109153003

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Liquid Scintillation Analysis											
Liquid Scint C14, Solid-HTD2											
Carbon-14	U	-0.123	+/-0.243	0.207	+/-0.243	0.426	pCi/g		CTO1 03/24/04	0135	318729 9
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1534	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Am-05-RC Modified
3	DOE EML HASL-300, Am-05-RC Modified
4	DOE EML HASL-300, Pu-11-RC Modified
5	DOE EML HASL-300, Pu-11-RC Modified
6	EML HASL 300, 4.5.2.3
7	EPA 905.0 Modified
8	EPA 906.0 Modified
9	EPA EERF C-01 Modified
10	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TRU	92	(25%-125%)
Plutonium-242	Alphaspec Pu, Solid-TRU2	98	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid-TRU2	98	
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	102	(25%-125%)

Notes:
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Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-178-C-4C-01
Sample ID: 109153003

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID:	3100-0000-178-C-4C-02	Project:	YANK00204
Sample ID:	109153004	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	03-MAR-04		
Receive Date:	17-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2													
Americium-241	U	0.00748	+/-0.0189	0.0134	+/-0.0189	0.0398	pCi/g		JAS1	03/30/04	1936	320857	2
Curium-242	U	0.00	+/-0.0106	0.00	+/-0.0106	0.0146	pCi/g						
Curium-243/244	U	0.011	+/-0.0177	0.00949	+/-0.0177	0.032	pCi/g						
Alphaspec Pu, Solid-TRU2													
Plutonium-238	U	-0.000395	+/-0.0275	0.0267	+/-0.0275	0.0622	pCi/g		MLA	03/23/04	2309	318765	4
Plutonium-239/240	U	0.00312	+/-0.0189	0.0172	+/-0.0189	0.0433	pCi/g						
Liquid Scint Pu241, Solid-TRU2													
Plutonium-241	U	-0.60	+/-2.76	2.33	+/-2.76	4.75	pCi/g		MLA	03/26/04	0420	318766	5
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.576	+/-0.153	0.0537	+/-0.150	0.116	pCi/g		SRB	03/26/04	1016	318348	6
Americium-241	U	0.00943	+/-0.080	0.0652	+/-0.0784	0.135	pCi/g						
Bismuth-212		0.266	+/-0.211	0.114	+/-0.207	0.244	pCi/g						
Bismuth-214		0.482	+/-0.0788	0.0266	+/-0.0773	0.0566	pCi/g						
Cesium-134	U	0.0394	+/-0.0248	0.0186	+/-0.0243	0.0396	pCi/g						
Cesium-137	U	0.0243	+/-0.019	0.0147	+/-0.0186	0.0313	pCi/g						
Cobalt-60		0.157	+/-0.0377	0.0158	+/-0.0369	0.0348	pCi/g						
Europium-152	U	-0.055	+/-0.0489	0.0387	+/-0.0479	0.0811	pCi/g						
Europium-154	U	0.0156	+/-0.0361	0.0378	+/-0.0354	0.0841	pCi/g						
Europium-155	U	0.0323	+/-0.0443	0.0425	+/-0.0434	0.0878	pCi/g						
Lead-212		0.440	+/-0.0594	0.0227	+/-0.0582	0.0471	pCi/g						
Lead-214		0.457	+/-0.0882	0.0305	+/-0.0865	0.0636	pCi/g						
Manganese-54	U	-0.00567	+/-0.0179	0.0146	+/-0.0175	0.0313	pCi/g						
Niobium-94	U	0.00991	+/-0.0162	0.0145	+/-0.0159	0.0307	pCi/g						
Potassium-40		7.44	+/-0.891	0.109	+/-0.873	0.249	pCi/g						
Radium-226		0.482	+/-0.0788	0.0266	+/-0.0773	0.0566	pCi/g						
Silver-108m	U	-0.00586	+/-0.016	0.013	+/-0.0157	0.0274	pCi/g						
Thallium-208		0.157	+/-0.0398	0.0148	+/-0.039	0.0315	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0153	+/-0.0077	0.0058	+/-0.0085	0.0121	pCi/g		LCA1	03/26/04	0335	319123	7
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	1.41	+/-1.23	0.959	+/-1.24	1.92	pCi/g		CTO1	03/25/04	0129	318708	8
Liquid Scint C14, Solid-HTD2													

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-178-C-4C-02
Sample ID: 109153004

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Liquid Scintillation Analysis											
Liquid Scint C14, Solid-HTD2											
Carbon-14	U	-0.102	+/-0.225	0.192	+/-0.225	0.395	pCi/g		CTO1 03/24/04	0207	318729 9
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1534	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Am-05-RC Modified
3	DOE EML HASL-300, Am-05-RC Modified
4	DOE EML HASL-300, Pu-11-RC Modified
5	DOE EML HASL-300, Pu-11-RC Modified
6	EML HASL 300, 4.5.2.3
7	EPA 905.0 Modified
8	EPA 906.0 Modified
9	EPA EERF C-01 Modified
10	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TRU	80	(25%-125%)
Plutonium-242	Alphaspec Pu, Solid-TRU2	84	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid-TRU2	84	
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	94	(25%-125%)

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

< Result is less than amount reported.

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-178-C-4C-02
Sample ID: 109153004

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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

Reviewed by

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Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-180-C-4C-01
Sample ID: 109153005
Matrix: Misc Solid
Collect Date: 02-MAR-04
Receive Date: 17-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2													
Americium-241		0.027	+/-0.020	0.00	+/-0.0201	0.0104	pCi/g		JAS1	03/30/04	1936	320857	2
Curium-242	U	0.00122	+/-0.0105	0.0086	+/-0.0105	0.029	pCi/g						
Curium-243/244	U	-0.000618	+/-0.0143	0.0132	+/-0.0143	0.0368	pCi/g						
Alphaspec Pu, Solid-TRU2													
Plutonium-238	U	-0.00331	+/-0.0231	0.0231	+/-0.0231	0.0543	pCi/g		MLA	03/23/04	2309	318765	4
Plutonium-239/240	U	0.00876	+/-0.0203	0.0171	+/-0.0203	0.0422	pCi/g						
Liquid Scint Pu241, Solid-TRU2													
Plutonium-241	U	0.00	+/-2.59	2.17	+/-2.59	4.42	pCi/g		MLA	03/26/04	0610	318766	5
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.544	+/-0.140	0.0484	+/-0.137	0.105	pCi/g		SRB	03/26/04	1016	318348	6
Americium-241	U	-0.0141	+/-0.0666	0.0613	+/-0.0653	0.127	pCi/g						
Bismuth-212		0.512	+/-0.177	0.0931	+/-0.174	0.202	pCi/g						
Bismuth-214		0.590	+/-0.0986	0.0255	+/-0.0967	0.0543	pCi/g						
Cesium-134	U	0.0169	+/-0.0209	0.0183	+/-0.0205	0.0388	pCi/g						
Cesium-137		0.0409	+/-0.0233	0.0117	+/-0.0228	0.0254	pCi/g						
Cobalt-60	U	0.0097	+/-0.0203	0.0175	+/-0.0199	0.0382	pCi/g						
Europium-152	U	0.0512	+/-0.0419	0.0394	+/-0.0411	0.0823	pCi/g						
Europium-154	U	-0.0107	+/-0.0478	0.0383	+/-0.0468	0.0849	pCi/g						
Europium-155	U	0.0452	+/-0.0454	0.0423	+/-0.0445	0.0873	pCi/g						
Lead-212		0.503	+/-0.0603	0.0202	+/-0.0591	0.042	pCi/g						
Lead-214		0.686	+/-0.0971	0.026	+/-0.0951	0.0546	pCi/g						
Manganese-54	U	0.0064	+/-0.0175	0.0155	+/-0.0171	0.0331	pCi/g						
Niobium-94	U	0.00162	+/-0.0152	0.0127	+/-0.0149	0.0272	pCi/g						
Potassium-40		8.33	+/-0.862	0.119	+/-0.844	0.269	pCi/g						
Radium-226		0.590	+/-0.0986	0.0255	+/-0.0967	0.0543	pCi/g						
Silver-108m	U	-0.00519	+/-0.0148	0.0125	+/-0.0145	0.0265	pCi/g						
Thallium-208		0.179	+/-0.0381	0.0117	+/-0.0374	0.0252	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0202	+/-0.0099	0.0075	+/-0.0116	0.0156	pCi/g		LCA1	03/26/04	0335	319123	7
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		4.48	+/-1.38	0.937	+/-1.43	1.87	pCi/g		CTO1	03/25/04	0231	318708	8
Liquid Scint C14, Solid-HTD2													

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-180-C-4C-01
Sample ID: 109153005

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Liquid Scintillation Analysis											
Liquid Scint C14, Solid-HTD2											
Carbon-14	U	-0.066	+/-0.247	0.209	+/-0.247	0.429	pCi/g		CTO1 03/24/04	0239	318729 9
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1534	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Am-05-RC Modified
3	DOE EML HASL-300, Am-05-RC Modified
4	DOE EML HASL-300, Pu-11-RC Modified
5	DOE EML HASL-300, Pu-11-RC Modified
6	EML HASL 300, 4.5.2.3
7	EPA 905.0 Modified
8	EPA 906.0 Modified
9	EPA EERF C-01 Modified
10	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TRU	92	(25%-125%)
Plutonium-242	Alphaspec Pu, Solid-TRU2	92	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid-TRU2	92	
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	73	(25%-125%)

Notes:
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< Result is less than amount reported.

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-180-C-4C-01
Sample ID: 109153005

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-180-C-4C-02
Sample ID: 109153006
Matrix: Misc Solid
Collect Date: 02-MAR-04
Receive Date: 17-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2													
Americium-241		0.0126	+/-0.0142	0.00	+/-0.0143	0.0113	pCi/g		JAS1	03/30/04	1936	320857	2
Curium-242	U	0.00473	+/-0.00928	0.00	+/-0.00929	0.0128	pCi/g						
Curium-243/244	U	0.00117	+/-0.0101	0.00828	+/-0.0101	0.0279	pCi/g						
Alphaspec Pu, Solid-TRU2													
Plutonium-238	U	-0.00163	+/-0.011	0.0115	+/-0.011	0.0314	pCi/g		MLA	03/23/04	2309	318765	4
Plutonium-239/240	U	0.00918	+/-0.0198	0.0163	+/-0.0198	0.0409	pCi/g						
Liquid Scint Pu241, Solid-TRU2													
Plutonium-241	U	-2.36	+/-2.68	2.29	+/-2.68	4.67	pCi/g		MLA	03/26/04	0713	318766	5
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.410	+/-0.0991	0.0376	+/-0.0971	0.0813	pCi/g		SRB	03/26/04	1434	318348	6
Americium-241	U	0.0163	+/-0.0452	0.0454	+/-0.0443	0.0941	pCi/g						
Bismuth-212		0.398	+/-0.191	0.0761	+/-0.187	0.164	pCi/g						
Bismuth-214		0.343	+/-0.060	0.0188	+/-0.0588	0.0402	pCi/g						
Cesium-134	U UI	0.00	+/-0.0274	0.0142	+/-0.0268	0.0302	pCi/g						
Cesium-137		0.0297	+/-0.0183	0.011	+/-0.0179	0.0234	pCi/g						
Cobalt-60		0.0319	+/-0.0174	0.0103	+/-0.017	0.0231	pCi/g						
Europium-152	U	0.0233	+/-0.0321	0.0293	+/-0.0315	0.0615	pCi/g						
Europium-154	U	0.0223	+/-0.028	0.0307	+/-0.0274	0.068	pCi/g						
Europium-155	U	0.0244	+/-0.0394	0.0294	+/-0.0386	0.061	pCi/g						
Lead-212		0.388	+/-0.0455	0.0154	+/-0.0446	0.0321	pCi/g						
Lead-214		0.385	+/-0.0641	0.0199	+/-0.0628	0.0419	pCi/g						
Manganese-54	U	0.00481	+/-0.0147	0.0104	+/-0.0144	0.0225	pCi/g						
Niobium-94	U	0.00843	+/-0.0106	0.00985	+/-0.0104	0.021	pCi/g						
Potassium-40		7.20	+/-0.723	0.0906	+/-0.708	0.206	pCi/g						
Radium-226		0.343	+/-0.060	0.0188	+/-0.0588	0.0402	pCi/g						
Silver-108m	U	-0.0051	+/-0.0105	0.00858	+/-0.0103	0.0183	pCi/g						
Thallium-208		0.134	+/-0.0317	0.00949	+/-0.0311	0.0204	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0019	+/-0.007	0.0058	+/-0.007	0.0121	pCi/g		LCA1	03/26/04	0439	319123	7
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		3.52	+/-1.47	1.06	+/-1.50	2.11	pCi/g		CTO1	03/25/04	0416	318708	8

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-180-C-4C-02
Sample ID: 109153006

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis												
Liquid Scint C14, Solid-HTD2												
Carbon-14	U	-0.149	+/-0.222	0.190	+/-0.222	0.391	pCi/g		CTO1 03/24/04	0311	318729	9
Solid Preparation												
Laboratory Composite												

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1534	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Am-05-RC Modified
3	DOE EML HASL-300, Am-05-RC Modified
4	DOE EML HASL-300, Pu-11-RC Modified
5	DOE EML HASL-300, Pu-11-RC Modified
6	EML HASL 300, 4.5.2.3
7	EPA 905.0 Modified
8	EPA 906.0 Modified
9	EPA EERF C-01 Modified
10	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TRU	86	(25%-125%)
Plutonium-242	Alphaspec Pu, Solid-TRU2	89	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid-TRU2	89	
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	95	(25%-125%)

Notes:
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< Result is less than amount reported.

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-180-C-4C-02
Sample ID: 109153006

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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

Reviewed by

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-177-C-11C-01
Sample ID: 109153007
Matrix: Misc Solid
Collect Date: 25-FEB-04
Receive Date: 17-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	Mtd.
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid-GAM2												
Actinium-228		0.439	+/-0.109	0.0357	+/-0.107	0.0773	pCi/g		SRB 03/26/04	1106	318348	1
Americium-241	U	-0.0543	+/-0.0587	0.0459	+/-0.0575	0.0952	pCi/g					
Bismuth-212		0.253	+/-0.157	0.0819	+/-0.154	0.176	pCi/g					
Bismuth-214		0.415	+/-0.0713	0.0183	+/-0.0698	0.039	pCi/g					
Cesium-134	U	0.0293	+/-0.0346	0.0141	+/-0.0339	0.0299	pCi/g					
Cesium-137	U	0.0203	+/-0.014	0.0134	+/-0.0137	0.0282	pCi/g					
Cobalt-60	U	0.0119	+/-0.0168	0.0137	+/-0.0164	0.0297	pCi/g					
Europium-152	U	0.00598	+/-0.0335	0.0294	+/-0.0328	0.0616	pCi/g					
Europium-154	U	-0.0227	+/-0.0392	0.031	+/-0.0384	0.0683	pCi/g					
Europium-155	U	0.0301	+/-0.0336	0.0334	+/-0.033	0.069	pCi/g					
Lead-212		0.374	+/-0.0492	0.0174	+/-0.0483	0.0361	pCi/g					
Lead-214		0.494	+/-0.0799	0.0196	+/-0.0783	0.0413	pCi/g					
Manganese-54	U	0.0114	+/-0.0127	0.0116	+/-0.0124	0.0248	pCi/g					
Niobium-94	U	0.00	+/-0.0311	0.0098	+/-0.0305	0.0209	pCi/g					
	UI											
Potassium-40		6.73	+/-0.746	0.108	+/-0.731	0.240	pCi/g					
Radium-226		0.415	+/-0.0713	0.0183	+/-0.0698	0.039	pCi/g					
Silver-108m	U	0.00127	+/-0.0104	0.00956	+/-0.0102	0.0202	pCi/g					
Thallium-208		0.130	+/-0.0326	0.0108	+/-0.0319	0.023	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr-90, solid-HTD2												
Strontium-90		0.0165	+/-0.0061	0.0045	+/-0.0069	0.0093	pCi/g		LCA1 03/26/04	0439	319123	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid-HTD2												
Tritium	U	1.13	+/-1.34	1.06	+/-1.34	2.12	pCi/g		CTO1 03/25/04	0519	318708	3
Solid Preparation												
Laboratory Composite												

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1534	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-177-C-11C-01
Sample ID: 109153007

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	112	(25%-125%)

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

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> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID:	3100-0000-177-C-14C-01	Project:	YANK00204
Sample ID:	109153008	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	26-FEB-04		
Receive Date:	17-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.443	+/-0.135	0.043	+/-0.133	0.093	pCi/g		SRB	03/26/04	1434	318348	1
Americium-241	U	-0.117	+/-0.101	0.0904	+/-0.0992	0.187	pCi/g						
Bismuth-212		0.420	+/-0.211	0.0895	+/-0.207	0.193	pCi/g						
Bismuth-214		0.542	+/-0.0813	0.0247	+/-0.0797	0.0523	pCi/g						
Cesium-134	U	0.0262	+/-0.018	0.0167	+/-0.0176	0.0355	pCi/g						
Cesium-137	U	0.0227	+/-0.0227	0.012	+/-0.0222	0.0257	pCi/g						
Cobalt-60	U	0.0235	+/-0.0291	0.0135	+/-0.0285	0.0296	pCi/g						
Europium-152	U	-0.00102	+/-0.0404	0.0363	+/-0.0396	0.0758	pCi/g						
Europium-154	U	0.00498	+/-0.0517	0.044	+/-0.0506	0.0953	pCi/g						
Europium-155	U	0.0159	+/-0.0503	0.0463	+/-0.0493	0.0954	pCi/g						
Lead-212		0.442	+/-0.0607	0.0218	+/-0.0595	0.0453	pCi/g						
Lead-214		0.611	+/-0.0839	0.0266	+/-0.0822	0.0555	pCi/g						
Manganese-54	U	0.00225	+/-0.0158	0.0141	+/-0.0155	0.030	pCi/g						
Niobium-94	U	0.00379	+/-0.0127	0.0111	+/-0.0125	0.0236	pCi/g						
Potassium-40		7.90	+/-0.816	0.118	+/-0.800	0.263	pCi/g						
Radium-226		0.542	+/-0.0813	0.0247	+/-0.0797	0.0523	pCi/g						
Silver-108m	U	0.0114	+/-0.0129	0.012	+/-0.0126	0.0253	pCi/g						
Thallium-208		0.143	+/-0.0399	0.014	+/-0.0391	0.0297	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0039	+/-0.0064	0.0052	+/-0.0065	0.0109	pCi/g		LCA1	03/26/04	0439	319123	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	0.245	+/-1.23	1.02	+/-1.23	2.03	pCi/g		CTO1	03/25/04	0621	318708	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1534	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-177-C-14C-01
Sample ID: 109153008

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	94	(25%-125%)

Notes:
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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004.

Client Sample ID:	3100-0000-178-C-9C-01	Project:	YANK00204
Sample ID:	109153009	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	04-MAR-04		
Receive Date:	17-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.336	+/-0.139	0.0541	+/-0.136	0.118	pCi/g		SRB	03/27/04	1451	318348	1
Americium-241	U	0.0146	+/-0.0436	0.0376	+/-0.0427	0.0773	pCi/g						
Bismuth-212		0.513	+/-0.376	0.117	+/-0.368	0.254	pCi/g						
Bismuth-214		0.467	+/-0.104	0.0325	+/-0.101	0.069	pCi/g						
Cesium-134	U	0.0255	+/-0.038	0.0213	+/-0.0373	0.0454	pCi/g						
Cesium-137	U	0.00268	+/-0.041	0.0175	+/-0.0402	0.0372	pCi/g						
Cobalt-60	U	-0.00755	+/-0.0186	0.0145	+/-0.0182	0.0327	pCi/g						
Europium-152	U	0.00566	+/-0.0495	0.0449	+/-0.0486	0.0939	pCi/g						
Europium-154	U	0.0398	+/-0.0578	0.0524	+/-0.0566	0.115	pCi/g						
Europium-155	U	0.0493	+/-0.0491	0.0467	+/-0.0481	0.0961	pCi/g						
Lead-212		0.388	+/-0.0611	0.0254	+/-0.0599	0.0526	pCi/g						
Lead-214		0.441	+/-0.0905	0.0302	+/-0.0887	0.0633	pCi/g						
Manganese-54	U	0.0237	+/-0.0205	0.0179	+/-0.0201	0.0384	pCi/g						
Niobium-94	U	0.00529	+/-0.0191	0.0165	+/-0.0187	0.0351	pCi/g						
Potassium-40		6.68	+/-0.813	0.172	+/-0.797	0.380	pCi/g						
Radium-226		0.467	+/-0.104	0.0325	+/-0.101	0.069	pCi/g						
Silver-108m	U	0.00284	+/-0.0153	0.0137	+/-0.015	0.0291	pCi/g						
Thallium-208		0.145	+/-0.0411	0.019	+/-0.0403	0.0401	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0047	+/-0.0077	0.0063	+/-0.0078	0.0131	pCi/g		LCA1	03/26/04	0439	319123	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	-0.0695	+/-1.14	0.959	+/-1.14	1.92	pCi/g		CTO1	03/25/04	0724	318708	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1534	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

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Certificate of Analysis

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-178-C-9C-01
Sample ID: 109153009

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	90	(25%-125%)

Notes:
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BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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Certificate of Analysis

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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID:	3100-0000-178-C-13C-01	Project:	YANK00204
Sample ID:	109153010	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	04-MAR-04		
Receive Date:	17-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.366	+/-0.133	0.0474	+/-0.131	0.102	pCi/g		SRB	03/26/04	1435	318348	1
Americium-241	U	0.0957	+/-0.0884	0.0579	+/-0.0867	0.120	pCi/g						
Bismuth-212		0.353	+/-0.260	0.116	+/-0.255	0.248	pCi/g						
Bismuth-214		0.405	+/-0.0759	0.0239	+/-0.0744	0.0509	pCi/g						
Cesium-134	U	0.0246	+/-0.0207	0.0185	+/-0.0203	0.0391	pCi/g						
Cesium-137	U	0.0162	+/-0.0238	0.0125	+/-0.0233	0.0268	pCi/g						
Cobalt-60	U	0.00	+/-0.0246	0.0162	+/-0.0241	0.0353	pCi/g						
	UI												
Europium-152	U	-0.0131	+/-0.0433	0.0365	+/-0.0424	0.0765	pCi/g						
Europium-154	U	0.00108	+/-0.0488	0.0416	+/-0.0478	0.0912	pCi/g						
Europium-155	U	0.0276	+/-0.0672	0.0397	+/-0.0658	0.082	pCi/g						
Lead-212		0.409	+/-0.055	0.0238	+/-0.0539	0.0493	pCi/g						
Lead-214		0.428	+/-0.0731	0.0257	+/-0.0716	0.0538	pCi/g						
Manganese-54	U	0.000852	+/-0.0162	0.012	+/-0.0158	0.0261	pCi/g						
Niobium-94	U	-0.0122	+/-0.0146	0.0117	+/-0.0143	0.025	pCi/g						
Potassium-40		7.13	+/-0.786	0.125	+/-0.770	0.279	pCi/g						
Radium-226		0.405	+/-0.0759	0.0239	+/-0.0744	0.0509	pCi/g						
Silver-108m	U	0.00913	+/-0.015	0.0131	+/-0.0147	0.0276	pCi/g						
Thallium-208		0.157	+/-0.0394	0.0127	+/-0.0387	0.0271	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0092	+/-0.0063	0.0049	+/-0.0066	0.0102	pCi/g		LCA1	03/26/04	0439	319123	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	0.411	+/-1.09	0.894	+/-1.09	1.79	pCi/g		CTO1	03/25/04	0827	318708	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1534	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-178-C-13C-01 Project: YANK00204
Sample ID: 109153010 Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	96	(25%-125%)

Notes:
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P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID:	3100-0000-178-C-17C-01	Project:	YANK00204
Sample ID:	109153011	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	05-FEB-04		
Receive Date:	17-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncerfainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid-GAM2											
Actinium-228		0.330	+/-0.106	0.0385	+/-0.103	0.0838	pCi/g		SRB 03/26/04	1436	318348 1
Americium-241	U	-0.0252	+/-0.0557	0.0529	+/-0.0546	0.110	pCi/g				
Bismuth-212	U	0.188	+/-0.210	0.0989	+/-0.206	0.212	pCi/g				
Bismuth-214		0.349	+/-0.0672	0.0222	+/-0.0658	0.0473	pCi/g				
Cesium-134	U	0.0244	+/-0.0203	0.0156	+/-0.0199	0.0333	pCi/g				
Cesium-137		0.0507	+/-0.0234	0.0111	+/-0.0229	0.0239	pCi/g				
Cobalt-60	U	0.00988	+/-0.0231	0.0117	+/-0.0226	0.026	pCi/g				
Europium-152	U	0.0468	+/-0.0468	0.0302	+/-0.0459	0.0636	pCi/g				
Europium-154	U	-0.0348	+/-0.0484	0.0369	+/-0.0474	0.081	pCi/g				
Europium-155	U	0.00924	+/-0.0367	0.0345	+/-0.036	0.0715	pCi/g				
Lead-212		0.352	+/-0.0466	0.0177	+/-0.0457	0.0369	pCi/g				
Lead-214		0.454	+/-0.0678	0.0218	+/-0.0665	0.0458	pCi/g				
Manganese-54	U	0.00306	+/-0.0158	0.014	+/-0.0155	0.030	pCi/g				
Niobium-94	U	0.00587	+/-0.0135	0.0118	+/-0.0132	0.0251	pCi/g				
Potassium-40		7.72	+/-0.787	0.0872	+/-0.771	0.201	pCi/g				
Radium-226		0.349	+/-0.0672	0.0222	+/-0.0658	0.0473	pCi/g				
Silver-108m	U	0.00495	+/-0.0119	0.0108	+/-0.0116	0.0228	pCi/g				
Thallium-208		0.103	+/-0.0269	0.0125	+/-0.0263	0.0267	pCi/g				
Rad Gas Flow Proportional Counting											
GFPC, Sr90, solid-HTD2											
Strontium-90	U	0.0023	+/-0.0066	0.0054	+/-0.0066	0.0114	pCi/g		LCA1 03/26/04	0440	319123 2
Rad Liquid Scintillation Analysis											
LSC, Tritium Dist, Solid-HTD2											
Tritium		2.22	+/-1.28	0.958	+/-1.29	1.92	pCi/g		CTO1 03/25/04	0929	318708 3
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1534	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-178-C-17C-01
Sample ID: 109153011

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	88	(25%-125%)

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

< Result is less than amount reported.
> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-178-C-18C-01
Sample ID: 109153012
Matrix: Misc Solid
Collect Date: 05-FEB-04
Receive Date: 17-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.289	+/-0.108	0.0433	+/-0.106	0.0936	pCi/g		SRB	03/27/04	1452	318348	1
Americium-241	U	0.0492	+/-0.0653	0.0453	+/-0.064	0.0941	pCi/g						
Bismuth-212		0.413	+/-0.184	0.0956	+/-0.180	0.205	pCi/g						
Bismuth-214		0.397	+/-0.0702	0.0216	+/-0.0688	0.046	pCi/g						
Cesium-134	U	0.00296	+/-0.0155	0.0134	+/-0.0151	0.0289	pCi/g						
Cesium-137		0.579	+/-0.0561	0.011	+/-0.055	0.0236	pCi/g						
Cobalt-60		0.0344	+/-0.0174	0.0148	+/-0.0171	0.0323	pCi/g						
Europium-152	U	0.0286	+/-0.0409	0.033	+/-0.0401	0.0692	pCi/g						
Europium-154	U	-0.0303	+/-0.0491	0.0367	+/-0.0481	0.0807	pCi/g						
Europium-155	U	0.0145	+/-0.0371	0.0351	+/-0.0363	0.0725	pCi/g						
Lead-212		0.364	+/-0.0482	0.0192	+/-0.0472	0.040	pCi/g						
Lead-214		0.417	+/-0.063	0.0242	+/-0.0618	0.0507	pCi/g						
Manganese-54	U	0.0119	+/-0.0138	0.0127	+/-0.0135	0.0273	pCi/g						
Niobium-94	U	0.00136	+/-0.0116	0.0102	+/-0.0114	0.0218	pCi/g						
Potassium-40		6.80	+/-0.738	0.0874	+/-0.724	0.202	pCi/g						
Radium-226		0.397	+/-0.0702	0.0216	+/-0.0688	0.046	pCi/g						
Silver-108m	U	0.00548	+/-0.0154	0.0118	+/-0.0151	0.0249	pCi/g						
Thallium-208		0.101	+/-0.0347	0.0116	+/-0.034	0.0248	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0075	+/-0.0073	0.0058	+/-0.0075	0.0121	pCi/g		LCA1	03/26/04	0440	319123	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	0.731	+/-1.17	0.945	+/-1.17	1.89	pCi/g		CTO1	03/25/04	1032	318708	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1534	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-178-C-18C-01
Sample ID: 109153012

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	90	(25%-125%)

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID:	3100-0000-180-C-10C-01	Project:	YANK00204
Sample ID:	109153013	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	02-MAR-04		
Receive Date:	17-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.476	+/-0.133	0.0418	+/-0.131	0.0898	pCi/g		SRB	03/26/04	1437	318348	1
Americium-241	U	-0.0204	+/-0.0641	0.0508	+/-0.0628	0.105	pCi/g						
Bismuth-212		0.460	+/-0.157	0.0933	+/-0.154	0.199	pCi/g						
Bismuth-214		0.513	+/-0.0863	0.0219	+/-0.0846	0.0463	pCi/g						
Cesium-134	U	0.0253	+/-0.0216	0.0149	+/-0.0211	0.0316	pCi/g						
Cesium-137	U	-0.00174	+/-0.0156	0.0131	+/-0.0153	0.0277	pCi/g						
Cobalt-60	U	-0.00232	+/-0.0168	0.0137	+/-0.0165	0.0298	pCi/g						
Europium-152	U	0.0122	+/-0.035	0.0302	+/-0.0343	0.0633	pCi/g						
Europium-154	U	-0.0243	+/-0.0483	0.038	+/-0.0473	0.0826	pCi/g						
Europium-155	U	0.0328	+/-0.035	0.0338	+/-0.0343	0.0698	pCi/g						
Lead-212		0.420	+/-0.0525	0.0177	+/-0.0515	0.0368	pCi/g						
Lead-214		0.655	+/-0.0827	0.0206	+/-0.0811	0.0434	pCi/g						
Manganese-54	U	0.00502	+/-0.0143	0.0122	+/-0.014	0.026	pCi/g						
Niobium-94	U	-0.00462	+/-0.013	0.0107	+/-0.0128	0.0227	pCi/g						
Potassium-40		7.70	+/-0.781	0.100	+/-0.766	0.225	pCi/g						
Radium-226		0.513	+/-0.0863	0.0219	+/-0.0846	0.0463	pCi/g						
Silver-108m	U	-0.000405	+/-0.0118	0.00916	+/-0.0115	0.0195	pCi/g						
Thallium-208		0.132	+/-0.0274	0.0104	+/-0.0269	0.0221	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0012	+/-0.0067	0.0056	+/-0.0067	0.0116	pCi/g		LCA1	03/26/04	1632	319123	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	0.647	+/-1.14	0.924	+/-1.14	1.85	pCi/g		CTO1	03/25/04	1134	318708	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1535	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

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Certificate of Analysis

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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-180-C-10C-01
Sample ID: 109153013

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	87	(25%-125%)

Notes:
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BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID:	3100-0000-180C-14C-01	Project:	YANK00204
Sample ID:	109153014	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	02-MAR-04		
Receive Date:	17-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.451	+/-0.128	0.0491	+/-0.126	0.105	pCi/g		SRB	03/26/04	1437	318348	1
Americium-241	U	-0.0312	+/-0.0628	0.0501	+/-0.0615	0.103	pCi/g						
Bismuth-212		0.333	+/-0.227	0.091	+/-0.223	0.195	pCi/g						
Bismuth-214		0.326	+/-0.0643	0.0216	+/-0.063	0.0459	pCi/g						
Cesium-134	U	0.0253	+/-0.025	0.0153	+/-0.0245	0.0326	pCi/g						
Cesium-137	U	0.000994	+/-0.0153	0.0128	+/-0.0149	0.0273	pCi/g						
Cobalt-60	U	0.00754	+/-0.0144	0.0128	+/-0.0142	0.0281	pCi/g						
Europium-152	U	-0.0124	+/-0.0385	0.0334	+/-0.0377	0.0698	pCi/g						
Europium-154	U	0.0322	+/-0.0446	0.0401	+/-0.0437	0.0871	pCi/g						
Europium-155	U	0.0495	+/-0.0418	0.036	+/-0.041	0.0744	pCi/g						
Lead-212		0.415	+/-0.0539	0.0186	+/-0.0529	0.0387	pCi/g						
Lead-214		0.442	+/-0.0744	0.0235	+/-0.0729	0.0493	pCi/g						
Manganese-54	U	-0.00668	+/-0.0142	0.0118	+/-0.0139	0.0254	pCi/g						
Niobium-94	U	0.0088	+/-0.0133	0.0116	+/-0.013	0.0247	pCi/g						
Potassium-40		7.42	+/-0.809	0.0952	+/-0.793	0.216	pCi/g						
Radium-226		0.326	+/-0.0643	0.0216	+/-0.063	0.0459	pCi/g						
Silver-108m	U	0.0104	+/-0.0127	0.0116	+/-0.0124	0.0243	pCi/g						
Thallium-208		0.123	+/-0.043	0.0113	+/-0.0422	0.0241	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	-0.0013	+/-0.0065	0.0055	+/-0.0065	0.0115	pCi/g		LCA1	03/26/04	1633	319123	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	-0.0684	+/-1.12	0.944	+/-1.12	1.89	pCi/g		CTO1	03/25/04	1237	318708	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1535	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

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Certificate of Analysis

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-180C-14C-01
Sample ID: 109153014

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	88	(25%-125%)

Notes:
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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-180-C-18C-01
Sample ID: 109153015
Matrix: Misc Solid
Collect Date: 03-MAR-04
Receive Date: 17-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.419	+/-0.135	0.0458	+/-0.132	0.0983	pCi/g		SRB	03/26/04	1438	318348	1
Americium-241	U	-0.00547	+/-0.109	0.0863	+/-0.107	0.179	pCi/g						
Bismuth-212	U	0.187	+/-0.181	0.0888	+/-0.178	0.191	pCi/g						
Bismuth-214		0.307	+/-0.0593	0.0226	+/-0.0581	0.0481	pCi/g						
Cesium-134	U UI	0.00	+/-0.0168	0.0144	+/-0.0164	0.0308	pCi/g						
Cesium-137		0.0976	+/-0.0316	0.0119	+/-0.031	0.0254	pCi/g						
Cobalt-60	U	0.00333	+/-0.0175	0.015	+/-0.0171	0.0327	pCi/g						
Europium-152	U	0.00929	+/-0.0356	0.0307	+/-0.0349	0.0648	pCi/g						
Europium-154	U	-0.0132	+/-0.044	0.036	+/-0.0431	0.0792	pCi/g						
Europium-155	U	0.0202	+/-0.0384	0.0364	+/-0.0376	0.0755	pCi/g						
Lead-212		0.352	+/-0.0503	0.0185	+/-0.0493	0.0386	pCi/g						
Lead-214		0.390	+/-0.0727	0.0198	+/-0.0713	0.0419	pCi/g						
Manganese-54	U	-0.00668	+/-0.0139	0.0111	+/-0.0137	0.024	pCi/g						
Niobium-94	U	0.00448	+/-0.0123	0.0108	+/-0.0121	0.0231	pCi/g						
Potassium-40		7.33	+/-0.871	0.122	+/-0.853	0.271	pCi/g						
Radium-226		0.307	+/-0.0593	0.0226	+/-0.0581	0.0481	pCi/g						
Silver-108m	U	0.00716	+/-0.0123	0.0114	+/-0.0121	0.024	pCi/g						
Thallium-208		0.108	+/-0.0317	0.011	+/-0.0311	0.0235	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0126	+/-0.0069	0.0053	+/-0.0076	0.0111	pCi/g		LCA1	03/26/04	1633	319123	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		2.24	+/-1.24	0.927	+/-1.26	1.85	pCi/g		CTO1	03/25/04	1340	318708	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1535	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

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Certificate of Analysis

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-180-C-18C-01
Sample ID: 109153015

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	91	(25%-125%)

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

< Result is less than amount reported.
> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID:	3100-0000-180-C-18C-02	Project:	YANK00204
Sample ID:	109153016	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	03-MAR-04		
Receive Date:	17-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid-GAM2											
Actinium-228		0.360	+/-0.142	0.0466	+/-0.139	0.102	pCi/g		SRB 03/26/04	1439	318348 1
Americium-241	U	-0.0025	+/-0.0215	0.0184	+/-0.0211	0.0381	pCi/g				
Bismuth-212	U	0.113	+/-0.202	0.129	+/-0.198	0.274	pCi/g				
Bismuth-214		0.510	+/-0.0951	0.0242	+/-0.0932	0.0519	pCi/g				
Cesium-134	U	0.0244	+/-0.0202	0.019	+/-0.0198	0.0404	pCi/g				
Cesium-137		0.0452	+/-0.0278	0.015	+/-0.0273	0.032	pCi/g				
Cobalt-60	U	0.0108	+/-0.0194	0.0176	+/-0.0191	0.0384	pCi/g				
Europium-152	U	-0.00102	+/-0.039	0.0343	+/-0.0382	0.0721	pCi/g				
Europium-154	U	-0.047	+/-0.0559	0.0436	+/-0.0548	0.0959	pCi/g				
Europium-155	U	0.0268	+/-0.0358	0.0329	+/-0.0351	0.068	pCi/g				
Lead-212		0.351	+/-0.0484	0.0183	+/-0.0474	0.0382	pCi/g				
Lead-214		0.585	+/-0.0772	0.0235	+/-0.0756	0.0497	pCi/g				
Manganese-54	U	0.00402	+/-0.0152	0.0134	+/-0.0149	0.029	pCi/g				
Niobium-94	U	-0.00702	+/-0.0139	0.0116	+/-0.0137	0.0251	pCi/g				
Potassium-40		6.67	+/-0.776	0.148	+/-0.761	0.327	pCi/g				
Radium-226		0.510	+/-0.0951	0.0242	+/-0.0932	0.0519	pCi/g				
Silver-108m	U	-0.00494	+/-0.0136	0.0113	+/-0.0133	0.0241	pCi/g				
Thallium-208		0.115	+/-0.0378	0.0139	+/-0.037	0.0296	pCi/g				
Rad Gas Flow Proportional Counting											
GFPC, Sr-90, solid-HTD2											
Strontium-90	U	0.0034	+/-0.0056	0.0045	+/-0.0056	0.0095	pCi/g		LCA1 03/26/04	1633	319123 2
Rad Liquid Scintillation Analysis											
LSC, Tritium Dist, Solid-HTD2											
Tritium		4.78	+/-1.46	0.993	+/-1.52	1.99	pCi/g		CTO1 03/25/04	1442	318708 3
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/19/04	1040	318282
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	AWB	03/18/04	1535	318277
GL-RAD-A-026	Laboratory sample composite	AWB	03/18/04	1442	318275

GENERAL ENGINEERING LABORATORIES, LLC
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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: March 31, 2004

Client Sample ID: 3100-0000-180-C-18C-02
Sample ID: 109153016

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	95	(25%-125%)

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UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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

Reviewed by

QUALITY CONTROL DATA

GENERAL ENGINEERING LABORATORIES, LLC

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

QC Summary

Report Date: March 31, 2004

Client : Connecticut Yankee Atomic Power
Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut

Contact: Mr. Pete Hollenbeck

Workorder: 109153

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Alpha Spec										
Batch 318765										
QC1200591004 109153001 DUP										
Plutonium-238	U	-0.000268	U	-0.012	pCi/g	N/A		(0% - 100%)	MLA	03/23/04 23:09
Uncert:		+/-0.0204		+/-0.0166						
TPU:		+/-0.0204		+/-0.0166						
Plutonium-239/240	U	0.012	U	0.0101	pCi/g	17		(0% - 100%)		
Uncert:		+/-0.0164		+/-0.014						
TPU:		+/-0.0165		+/-0.0141						
QC1200591006 LCS										
Plutonium-238			U	0.0302	pCi/g			(75%-125%)		
Uncert:				+/-0.0294						
TPU:				+/-0.0296						
Plutonium-239/240	2.26			2.26	pCi/g		100	(75%-125%)		
Uncert:				+/-0.182						
TPU:				+/-0.298						
QC1200591003 MB										
Plutonium-238			U	-0.00587	pCi/g					
Uncert:				+/-0.0212						
TPU:				+/-0.0212						
Plutonium-239/240			U	0.00178	pCi/g					
Uncert:				+/-0.0152						
TPU:				+/-0.0152						
QC1200591005 109153001 MS										
Plutonium-238	U	-0.000268	U	0.0231	pCi/g			(75%-125%)		
Uncert:		+/-0.0204		+/-0.0274						
TPU:		+/-0.0204		+/-0.0275						
Plutonium-239/240	2.27 U	0.012		2.18	pCi/g		96	(75%-125%)		
Uncert:		+/-0.0164		+/-0.168						
TPU:		+/-0.0165		+/-0.278						
Batch 318766										
QC1200591008 109153002 DUP										
Plutonium-241	U	2.55	U	-1.35	pCi/g	N/A		(0% - 100%)	MLA	03/26/04 09:20
Uncert:		+/-2.80		+/-2.42						
TPU:		+/-2.80		+/-2.42						
QC1200591010 LCS										
Plutonium-241	71.8			61.9	pCi/g		86	(75%-125%)		03/26/04 11:27
Uncert:				+/-4.01						
TPU:				+/-5.87						
QC1200591007 MB										
Plutonium-241			U	-3.22	pCi/g					03/26/04 08:17
Uncert:				+/-2.70						
TPU:				+/-2.71						
QC1200591009 109153002 MS										
Plutonium-241	72.3 U	2.55		60.1	pCi/g		80	(75%-125%)		03/26/04 10:23
Uncert:		+/-2.80		+/-3.63						

QC Summary

Workorder: 109153

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Alpha Spec										
Batch 318766										
TPU:		+/-2.80		+/-5.36						
Batch 320857										
QC1200596273 109153004 DUP										
Americium-241	U	0.00748	U	0.0113	pCi/g	41		(0% - 100%)	JAS1	03/30/04 19:36
Uncert:		+/-0.0189		+/-0.0248						
TPU:		+/-0.0189		+/-0.0249						
Curium-242	U	0.00	U	0.0011	pCi/g			(0% - 100%)		
Uncert:		+/-0.0106		+/-0.0095						
TPU:		+/-0.0106		+/-0.0095						
Curium-243/244	U	0.011	U	-0.00756	pCi/g	N/A		(0% - 100%)		
Uncert:		+/-0.0177		+/-0.00856						
TPU:		+/-0.0177		+/-0.00859						
QC1200596275 LCS										
Americium-241	5.37			5.38	pCi/g		100	(75%-125%)		
Uncert:				+/-0.284						
TPU:				+/-0.583						
Curium-242			U	0.010	pCi/g					
Uncert:				+/-0.0173						
TPU:				+/-0.0173						
Curium-243/244	7.01			7.04	pCi/g		100	(75%-125%)		
Uncert:				+/-0.325						
TPU:				+/-0.741						
QC1200596272 MB										
Americium-241			U	0.00153	pCi/g					
Uncert:				+/-0.0192						
TPU:				+/-0.0192						
Curium-242			U	-0.00555	pCi/g					
Uncert:				+/-0.00769						
TPU:				+/-0.00771						
Curium-243/244			U	-0.0078	pCi/g					
Uncert:				+/-0.0193						
TPU:				+/-0.0193						
QC1200596274 109153004 MS										
Americium-241	8.87 U	0.00748		8.70	pCi/g		98	(75%-125%)		
Uncert:		+/-0.0189		+/-0.528						
TPU:		+/-0.0189		+/-1.02						
Curium-242	U	0.00	U	0.00	pCi/g					
Uncert:		+/-0.0106		+/-0.0183						
TPU:		+/-0.0106		+/-0.0183						
Curium-243/244	11.6 U	0.011		12.6	pCi/g		109	(75%-125%)		
Uncert:		+/-0.0177		+/-0.634						
TPU:		+/-0.0177		+/-1.41						
Rad Gamma Spec										
Batch 318348										
QC1200589859 109153001 DUP										
Actinium-228		0.579		0.511	pCi/g	13		(0% - 100%)	SRB	03/27/04 14:53
Uncert:		+/-0.172		+/-0.161						
TPU:		+/-0.168		+/-0.158						

QC Summary

Workorder: 109153

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 318348											
Americium-241	U	0.0368	U	0.0205	pCi/g	57		(0% - 100%)			
	Uncert:	+/-0.0625		+/-0.133							
	TPU:	+/-0.0613		+/-0.130							
Bismuth-212		0.236		0.308	pCi/g	26		(0% - 100%)			
	Uncert:	+/-0.163		+/-0.239							
	TPU:	+/-0.159		+/-0.234							
Bismuth-214		0.470		0.496	pCi/g	5		(0% - 100%)			
	Uncert:	+/-0.080		+/-0.0984							
	TPU:	+/-0.0784		+/-0.0965							
Cesium-134	UUI	0.00	U	0.0346	pCi/g	27		(0% - 100%)			
	Uncert:	+/-0.0315		+/-0.0318							
	TPU:	+/-0.0309		+/-0.0311							
Cesium-137		0.0342	U	0.00363	pCi/g	162		(0% - 100%)			
	Uncert:	+/-0.0254		+/-0.0204							
	TPU:	+/-0.0249		+/-0.020							
Cobalt-60		0.069		0.0896	pCi/g	26		(0% - 100%)			
	Uncert:	+/-0.0247		+/-0.0308							
	TPU:	+/-0.0242		+/-0.0302							
Europium-152	U	0.0077	U	0.00876	pCi/g	13		(0% - 100%)			
	Uncert:	+/-0.042		+/-0.0518							
	TPU:	+/-0.0412		+/-0.0508							
Europium-154	U	0.0128	U	0.0561	pCi/g	126		(0% - 100%)			
	Uncert:	+/-0.0466		+/-0.0656							
	TPU:	+/-0.0457		+/-0.0643							
Europium-155	U	0.0505	U	-0.0329	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0591		+/-0.0592							
	TPU:	+/-0.0579		+/-0.058							
Lead-212		0.488		0.470	pCi/g	4		(0% - 100%)			
	Uncert:	+/-0.061		+/-0.0727							
	TPU:	+/-0.0597		+/-0.0712							
Lead-214		0.570		0.484	pCi/g	16					
	Uncert:	+/-0.0886		+/-0.0885							
	TPU:	+/-0.0868		+/-0.0867							
Manganese-54	U	0.0161	U	0.00678	pCi/g	81		(0% - 100%)			
	Uncert:	+/-0.0166		+/-0.0184							
	TPU:	+/-0.0162		+/-0.0181							
Niobium-94	U	0.0133	U	-0.00618	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0144		+/-0.0187							
	TPU:	+/-0.0141		+/-0.0183							
Potassium-40		7.48		7.88	pCi/g	5		(0% - 20%)			
	Uncert:	+/-0.861		+/-0.898							
	TPU:	+/-0.844		+/-0.880							
Radium-226		0.470		0.496	pCi/g	5		(0% - 100%)			
	Uncert:	+/-0.080		+/-0.0984							
	TPU:	+/-0.0784		+/-0.0965							
Silver-108m	U	0.0165	U	-0.000455	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0148		+/-0.0182							
	TPU:	+/-0.0145		+/-0.0179							

QC Summary

Workorder: 109153

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 318348										
Thallium-208		0.144		0.182	pCi/g	23		(0% - 100%)		
	Uncert:	+/-0.0308		+/-0.0414						
	TPU:	+/-0.0301		+/-0.0405						
QC1200589860 LCS										
Actinium-228			U	-0.183	pCi/g					03/29/04 10:21
	Uncert:			+/-0.551						
	TPU:			+/-0.540						
Americium-241	22.4			23.3	pCi/g		104	(75%-125%)		
	Uncert:			+/-2.42						
	TPU:			+/-2.37						
Bismuth-212			U	0.930	pCi/g					
	Uncert:			+/-0.931						
	TPU:			+/-0.913						
Bismuth-214			U	-0.0378	pCi/g					
	Uncert:			+/-0.228						
	TPU:			+/-0.224						
Cesium-134			U	0.0403	pCi/g					
	Uncert:			+/-0.135						
	TPU:			+/-0.133						
Cesium-137	9.18			9.75	pCi/g		106	(75%-125%)		
	Uncert:			+/-0.752						
	TPU:			+/-0.737						
Cobalt-60	13.3			13.6	pCi/g		103	(75%-125%)		
	Uncert:			+/-1.05						
	TPU:			+/-1.03						
Europium-152			U	-0.084	pCi/g					
	Uncert:			+/-0.259						
	TPU:			+/-0.254						
Europium-154			U	-0.124	pCi/g					
	Uncert:			+/-0.248						
	TPU:			+/-0.243						
Europium-155			U	0.029	pCi/g					
	Uncert:			+/-0.272						
	TPU:			+/-0.266						
Lead-212			U	0.112	pCi/g					
	Uncert:			+/-0.143						
	TPU:			+/-0.140						
Lead-214			U	0.0307	pCi/g					
	Uncert:			+/-0.198						
	TPU:			+/-0.194						
Manganese-54			U	-0.00749	pCi/g					
	Uncert:			+/-0.126						
	TPU:			+/-0.124						
Niobium-94			U	-0.0761	pCi/g					
	Uncert:			+/-0.101						
	TPU:			+/-0.0988						
Potassium-40			U	0.134	pCi/g					
	Uncert:			+/-0.939						

QC Summary

Workorder: 109153

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 318348											
	TPU:			+/-0.920							
Radium-226			U	-0.0378	pCi/g			(75%-125%)			
	Uncert:			+/-0.228							
	TPU:			+/-0.224							
Silver-108m			U	0.032	pCi/g						
	Uncert:			+/-0.101							
	TPU:			+/-0.0991							
Thallium-208			U	0.0379	pCi/g						
	Uncert:			+/-0.131							
	TPU:			+/-0.129							
QC1200589858 MB											
Actinium-228			U	0.185	pCi/g					03/26/04	14:40
	Uncert:			+/-0.245							
	TPU:			+/-0.240							
Americium-241			U	-0.00303	pCi/g						
	Uncert:			+/-0.0563							
	TPU:			+/-0.0552							
Bismuth-212			U	0.178	pCi/g						
	Uncert:			+/-0.279							
	TPU:			+/-0.274							
Bismuth-214			U	0.0527	pCi/g						
	Uncert:			+/-0.058							
	TPU:			+/-0.0569							
Cesium-134			U	-0.0104	pCi/g						
	Uncert:			+/-0.0289							
	TPU:			+/-0.0283							
Cesium-137			U	0.0322	pCi/g						
	Uncert:			+/-0.0748							
	TPU:			+/-0.0733							
Cobalt-60			U	-0.0103	pCi/g						
	Uncert:			+/-0.0273							
	TPU:			+/-0.0267							
Europium-152			U	0.000912	pCi/g						
	Uncert:			+/-0.073							
	TPU:			+/-0.0716							
Europium-154			U	-0.0466	pCi/g						
	Uncert:			+/-0.0829							
	TPU:			+/-0.0813							
Europium-155			U	-0.00366	pCi/g						
	Uncert:			+/-0.0647							
	TPU:			+/-0.0634							
Lead-212			UUI	0.00	pCi/g						
	Uncert:			+/-0.0478							
	TPU:			+/-0.0469							
Lead-214			U	0.0291	pCi/g						
	Uncert:			+/-0.0531							
	TPU:			+/-0.052							
Manganese-54			U	0.00803	pCi/g						

QC Summary

Workorder: 109153

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 318348										
	Uncert:			+/-0.0296						
	TPU:			+/-0.029						
Niobium-94			U	-0.00216	pCi/g					
	Uncert:			+/-0.030						
	TPU:			+/-0.0294						
Potassium-40			U	0.109	pCi/g					
	Uncert:			+/-0.298						
	TPU:			+/-0.292						
Radium-226			U	0.0527	pCi/g					
	Uncert:			+/-0.058						
	TPU:			+/-0.0569						
Silver-108m			U	-0.000758	pCi/g					
	Uncert:			+/-0.0272						
	TPU:			+/-0.0267						
Thallium-208			UUI	0.00	pCi/g					
	Uncert:			+/-0.0342						
	TPU:			+/-0.0335						
Rad Gas Flow										
Batch 319123										
QC1200591879 109153006 DUP										
Strontium-90	U	0.0019	U	0.0064	pCi/g	0		(0% - 100%)	LCA1	03/26/04 16:33
	Uncert:	+/-0.007		+/-0.0068						
	TPU:	+/-0.007		+/-0.0069						
QC1200591881 LCS										
Strontium-90	1.56			1.22	pCi/g		78	(75%-125%)		03/26/04 07:50
	Uncert:			+/-0.0732						
	TPU:			+/-0.255						
QC1200591878 MB										
Strontium-90			U	-0.003	pCi/g					03/26/04 16:33
	Uncert:			+/-0.0046						
	TPU:			+/-0.0047						
QC1200591880 109153006 MS										
Strontium-90	3.25 U	0.0019		2.63	pCi/g		81	(75%-125%)		03/26/04 07:50
	Uncert:	+/-0.007		+/-0.179						
	TPU:	+/-0.007		+/-0.722						
Rad Liquid Scintillation										
Batch 318708										
QC1200590778 109153001 DUP										
Tritium	U	1.01	U	0.402	pCi/g	0		(0% - 100%)	CTO1	03/25/04 16:47
	Uncert:	+/-1.19		+/-1.07						
	TPU:	+/-1.20		+/-1.07						
QC1200590780 LCS										
Tritium	15.0			15.5	pCi/g		104	(75%-125%)		03/25/04 17:52
	Uncert:			+/-1.62						
	TPU:			+/-2.07						
QC1200590777 MB										
Tritium			U	0.126	pCi/g					03/25/04 15:45
	Uncert:			+/-0.525						

QC Summary

Workorder: 109153

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Liquid Scintillation										
Batch 318708										
	TPU:			+/-0.525						
QC1200590779 109153001 MS										
Tritium	15.7 U	1.01		18.8	pCi/g		113	(75%-125%)		03/25/04 17:20
	Uncert:	+/-1.19		+/-2.79						
	TPU:	+/-1.20		+/-3.21						
Batch 318729										
QC1200590844 109153001 DUP										
Carbon-14	U	-0.0093	U	-0.0886	pCi/g	N/A		(0% - 100%)	CTO1	03/24/04 04:15
	Uncert:	+/-0.249		+/-0.246						
	TPU:	+/-0.249		+/-0.246						
QC1200590846 LCS										
Carbon-14	11.1			11.4	pCi/g		103	(75%-125%)		03/24/04 05:19
	Uncert:			+/-0.491						
	TPU:			+/-0.523						
QC1200590843 MB										
Carbon-14			U	-0.0213	pCi/g					03/24/04 03:43
	Uncert:			+/-0.236						
	TPU:			+/-0.236						
QC1200590845 109153001 MS										
Carbon-14	10.9 U	-0.0093		11.5	pCi/g		105	(75%-125%)		03/24/04 04:47
	Uncert:	+/-0.249		+/-0.485						
	TPU:	+/-0.249		+/-0.517						

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

- < Result is less than amount reported.
- > Result is greater than amount reported.
- B Target analyte was detected in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration of the target analyte exceeds the instrument calibration range.
- H Analytical holding time exceeded.
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- P The response between the confirmation column and the primary column is >40%D.
- U Indicates the target analyte was analyzed for but not detected above the detection limit.
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
- Y QC Samples were not spiked with this compound.
- h Sample preparation or preservation holding time exceeded.

QC Summary

Workorder: 109153

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.
** Indicates analyte is a surrogate compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

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

3100-0000-177-C-4C-01	04-0719	109153001	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0342	0.0254	PCI/G	0		18/03/2004	38049.50417	10:14	0.0325	PCI/G	0.0153	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.069	0.0247	PCI/G	0		18/03/2004	38049.50417	10:14	0.0292	PCI/G	0.013	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.48	0.861	PCI/G	0		18/03/2004	38049.50417	10:14	0.305	PCI/G	0.136	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0161	0.0166	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.0263	PCI/G	0.012	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0315	PCI/G	0	UUI	18/03/2004	38049.50417	10:14	0.0371	PCI/G	0.0174	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.47	0.08	PCI/G	0		18/03/2004	38049.50417	10:14	0.0524	PCI/G	0.0245	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.579	0.172	PCI/G	0		18/03/2004	38049.50417	10:14	0.0926	PCI/G	0.0422	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0505	0.0591	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.0755	PCI/G	0.0363	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.0165	0.0148	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.0277	PCI/G	0.0131	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0368	0.0625	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.122	PCI/G	0.0587	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.0133	0.0144	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.028	PCI/G	0.0131	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0077	0.042	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.0745	PCI/G	0.0354	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.47	0.08	PCI/G	0		18/03/2004	38049.50417	10:14	0.0524	PCI/G	0.0245	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.236	0.163	PCI/G	0		18/03/2004	38049.50417	10:14	0.196	PCI/G	0.0899	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.144	0.0308	PCI/G	0		18/03/2004	38049.50417	10:14	0.0299	PCI/G	0.014	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.57	0.0886	PCI/G	0		18/03/2004	38049.50417	10:14	0.0494	PCI/G	0.0233	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.488	0.061	PCI/G	0		18/03/2004	38049.50417	10:14	0.0424	PCI/G	0.0203	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0128	0.0466	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.0869	PCI/G	0.039	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	1.01	1.19	PCI/G	0	U	18/03/2004	38050.01667	10:21	1.9	PCI/G	0.948	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318729	14762-75-5	Carbon-14	TRG L.	Item 5	ULSC	LSC	REG	-0.0093	0.249	PCI/G	0	U	18/03/2004	38050.01667	12:31	0.431	PCI/G	0.21	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318765	13981-16-3	Plutonium-238	TRG L.	Item 32	UPU11RCM	PU11RCM	REG	-0.000268	0.0204	PCI/G	0	U	19/03/2004	38050.21042	11:09	0.0469	PCI/G	0.0198	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318765	OER-100-70	Plutonium-239/240	TRG L.	Item 32	UPU11RCM	PU11RCM	REG	0.012	0.0164	PCI/G	0	U	19/03/2004	38050.21042	11:09	0.0307	PCI/G	0.0117	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	318766	14119-32-5	Plutonium-241	TRG L.	Item 36	UPU11RCM	PU11RCM	REG	2.71	2.46	PCI/G	0		19/03/2004	38050.2125	1:12	4.11	PCI/G	2.02	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0214	0.0071	PCI/G	0		19/03/2004	38050.2125	3:36	0.0105	PCI/G	0.005	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	320857	14596-10-2	Americium-241	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	-0.00095	0.0219	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.0567	PCI/G	0.0203	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	320857	OER-100-93	Curium-242	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0	0.0136	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.0188	PCI/G	0	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-01	04-0719	109153001	320857	OER-101-57	Curium-243/244	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.00167	0.0144	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.0396	PCI/G	0.0118	PCI/G	1	9.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0299	0.0153	PCI/G	0		18/03/2004	38049.50417	10:14	0.0251	PCI/G	0.0116	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0217	0.0217	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.0338	PCI/G	0.0153	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	8.38	0.942	PCI/G	0		18/03/2004	38049.50417	10:14	0.223	PCI/G	0.0955	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00352	0.0166	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.0303	PCI/G	0.0141	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0117	0.0194	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.0361	PCI/G	0.0169	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.438	0.0849	PCI/G	0		18/03/2004	38049.50417	10:14	0.0595	PCI/G	0.0281	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.433	0.144	PCI/G	0		18/03/2004	38049.50417	10:14	0.0997	PCI/G	0.0458	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0157	0.0542	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.0994	PCI/G	0.0481	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.000765	0.0154	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.0249	PCI/G	0.0117	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0758	0.154	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.194	PCI/G	0.0936	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00181	0.0148	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.0266	PCI/G	0.0124	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0244	0.0454	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.0809	PCI/G	0.0385	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.438	0.0849	PCI/G	0		18/03/2004	38049.50417	10:14	0.0595	PCI/G	0.0281	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.271	0.207	PCI/G	0		18/03/2004	38049.50417	10:14	0.235	PCI/G	0.11	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.154	0.0357	PCI/G	0		18/03/2004	38049.50417	10:14	0.0302	PCI/G	0.0142	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.436	0.0831	PCI/G	0		18/03/2004	38049.50417	10:14	0.0585	PCI/G	0.0279	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.501	0.0686	PCI/G	0		18/03/2004	38049.50417	10:14	0.0476	PCI/G	0.0229	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0218	0.0567	PCI/G	0	U	18/03/2004	38049.50417	10:14	0.107	PCI/G	0.0493	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	0.915	1.13	PCI/G	0	U	18/03/2004	38050.01667	11:24	1.8	PCI/G	0.901	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318729	14762-75-5	Carbon-14	TRG L.	Item 5	ULSC	LSC	REG	-0.0321	0.223	PCI/G	0	U	18/03/2004	38050.01667	1:03	0.387	PCI/G	0.188	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318765	13981-16-3	Plutonium-238	TRG L.	Item 32	UPU11RCM	PU11RCM	REG	-0.00173	0.0183	PCI/G	0	U	19/03/2004	38050.21042	11:09	0.0448	PCI/G	0.0182	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318765	OER-100-70	Plutonium-239/240	TRG L.	Item 32	UPU11RCM	PU11RCM	REG	0.003	0.012	PCI/G	0	U	19/03/2004	38050.21042	11:09	0.0285	PCI/G	0.0101	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	318766	14119-32-5	Plutonium-241	TRG L.	Item 36	UPU11RCM	PU11RCM	REG	2.55	2.8	PCI/G	0	U	19/03/2004	38050.2125	2:14	4.68	PCI/G	2.3	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	-0.0127	0.0068	PCI/G	0	U	19/03/2004	38050.2125	3:36	0.0128	PCI/G	0.0062	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	320857	14596-10-2	Americium-241	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.0087	0.0211	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.0453	PCI/G	0.0134	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	320857	OER-100-93	Curium-242	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0	0.0155	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.0215	PCI/G	0	PCI/G	1	5.7	PR	
3100-0000-177-C-4C-02	04-0719	109153002	320857	OER-101-57	Curium-243/244	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	-0.00491	0.00962	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.0454	PCI/G	0.0135	PCI/G	1	5.7	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0439	0.0204	PCI/G	0		18/03/2004	38049.50417	10:15	0.023	PCI/G	0.0107	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0303	0.0218	PCI/G	0	U	18/03/2004	38049.50417	10:15	0.0353	PCI/G	0.0164	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	6.9	0.794	PCI/G	0		18/03/2004	38049.50417	10:15	0.18	PCI/G	0.077	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00773	0.0138	PCI/G	0	U	18/03/2004	38049.50417	10:15	0.0261	PCI/G	0.0122	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0283	0.0202	PCI/G	0	U	18/03/2004	38049.50417	10:15	0.0322	PCI/G	0.0152	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.366	0.0593	PCI/G	0		18/03/2004	38049.50417	10:15	0.0392	PCI/G	0.0182	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.387	0.117	PCI/G	0		18/03/2004	38049.50417	10:15	0.0761	PCI/G	0.0348	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0224	0.0517	PCI/G	0	U	18/03/2004	38049.50417	10:15	0.0762	PCI/G	0.0368	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00132	0.0116	PCI/G	0	U	18/03/2004	38049.50417	10:15	0.0222	PCI/G	0.0105	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0181	0.077	PCI/G	0	U	18/03/2004	38049.50417	10:15	0.141	PCI/G	0.0678	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.0112	0.0157	PCI/G	0	U	18/03/2004	38049.50417	10:15	0.0221	PCI/G	0.0103	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0272	0.0361	PCI/G	0	U	18/03/2004	38049.50417	10:15	0.0681	PCI/G	0.0325	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.366	0.0593	PCI/G	0		18/03/2004	38049.50417	10:15	0.0392	PCI/G	0.0182	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.257	0.191	PCI/G	0		18/03/2004	38049.50417	10:15	0.205	PCI/G	0.096	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.14	0.0328	PCI/G	0		18/03/2004	38049.50417	10:15	0.0231	PCI/G	0.0108	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.462	0.0752	PCI/G	0		18/03/2004	38049.50417	10:15	0.0444	PCI/G	0.0211	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.459	0.0616	PCI/G	0		18/03/2004	38049.50417	10:15	0.0381	PCI/G	0.0183	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0597	0.0418	PCI/G	0	U	18/03/2004	38049.50417	10:15	0.0639	PCI/G	0.0285	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	2.34	1.24	PCI/G	0		18/03/2004	38050.01736	12:26	1.84	PCI/G	0.922	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318729	14762-75-5	Carbon-14	TRG L.	Item 5	ULSC	LSC	REG	-0.123	0.243	PCI/G	0	U	18/03/2004	38050.01667	1:35	0.426	PCI/G	0.207	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318765	13981-16-3	Plutonium-238	TRG L.	Item 32	UPU11RCM	PU11RCM	REG	0.0173	0.0232	PCI/G	0	U	19/03/2004	38050.21042	11:09	0.0439	PCI/G	0.018	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318765	OER-100-70	Plutonium-239/240	TRG L.	Item 32	UPU11RCM	PU11RCM	REG	0.00285	0.0114	PCI/G	0	U	19/03/2004	38050.21042	11:09	0.0271	PCI/G	0.00962	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	318766	14119-32-5	Plutonium-241	TRG L.	Item 36	UPU11RCM	PU11RCM	REG	1.02	2.43	PCI/G	0	U	19/03/2004	38050.2125	3:17	4.12	PCI/G	2.02	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0068	0.0064	PCI/G	0	U	19/03/2004	38050.2125	3:35	0.0106	PCI/G	0.0051	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	320857	14596-10-2	Americium-241	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.0103	0.0181	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.0345	PCI/G	0.0123	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	320857	OER-100-93	Curium-242	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.00228	0.0139	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.0337	PCI/G	0.0113	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-01	04-0719	109153003	320857	OER-101-57	Curium-243/244	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.0109	0.0123	PCI/G	0		19/03/2004	38050.21528	7:36	0.00981	PCI/G	0	PCI/G	1	5.4	PR	
3100-0000-178-C-4C-02	04-0719	109153004	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0243	0.019	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0313	PCI/G	0.0147	PCI/G	1	5	PR	
3100-0000-178-C-4C-02	04-0719	109153004	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.157	0.0377	PCI/G	0		18/03/2004	38049.50417	10:16	0.0348	PCI/G	0.0158	PCI/G	1	5	PR	
3100-0000-178-C-4C-02	04-0719	109153004	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.44	0.891	PCI/G	0		18/03/2004	38049.50417	10:16	0.249	PCI/G	0.109	PCI/G	1	5	PR	
3100-0000-178-C-4C-02	04-0719	109153004	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00567	0.0179	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0313	PCI/G	0.0146	PCI/G	1	5	PR	
3100-0000-178-C-4C-02	04-0719	109153004	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0394	0.0248	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0396	PCI/G	0.0186	PCI/G	1	5	PR	

3100-0000-178-C-4C-02	04-0719	109153004	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.482	0.0788	PCI/G	0		18/03/2004	38049.50417	10:16	0.0566	PCI/G	0.0266	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.576	0.153	PCI/G	0		18/03/2004	38049.50417	10:16	0.116	PCI/G	0.0537	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0323	0.0443	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0878	PCI/G	0.0425	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00586	0.016	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0274	PCI/G	0.013	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.00943	0.08	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.135	PCI/G	0.0652	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00991	0.0162	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0307	PCI/G	0.0145	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.055	0.0489	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0811	PCI/G	0.0387	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.482	0.0788	PCI/G	0		18/03/2004	38049.50417	10:16	0.0566	PCI/G	0.0266	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.266	0.211	PCI/G	0		18/03/2004	38049.50417	10:16	0.244	PCI/G	0.114	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.157	0.0398	PCI/G	0		18/03/2004	38049.50417	10:16	0.0315	PCI/G	0.0148	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.457	0.0882	PCI/G	0		18/03/2004	38049.50417	10:16	0.0636	PCI/G	0.0305	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.44	0.0594	PCI/G	0		18/03/2004	38049.50417	10:16	0.0471	PCI/G	0.0227	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0156	0.0361	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0841	PCI/G	0.0378	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	1.41	1.23	PCI/G	0	U	18/03/2004	38050.01736	1:29	1.92	PCI/G	0.959	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318729	14762-75-5	Carbon-14	TRG L.	Item 5	ULSC	LSC	REG	-0.102	0.225	PCI/G	0	U	18/03/2004	38050.01667	2:07	0.395	PCI/G	0.192	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318765	13981-16-3	Plutonium-238	TRG L.	Item 32	UPU11RCM	PU11RCM	REG	-0.000395	0.0275	PCI/G	0	U	19/03/2004	38050.21042	11:09	0.0622	PCI/G	0.0267	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318765	OER-100-70	Plutonium-239/240	TRG L.	Item 32	UPU11RCM	PU11RCM	REG	0.00312	0.0189	PCI/G	0	U	19/03/2004	38050.21042	11:09	0.0433	PCI/G	0.0172	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	318766	14119-32-5	Plutonium-241	TRG L.	Item 36	UPU11RCM	PU11RCM	REG	-0.6	2.76	PCI/G	0	U	19/03/2004	38050.2125	4:20	4.75	PCI/G	2.33	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0153	0.0077	PCI/G	0		19/03/2004	38050.2125	3:35	0.0121	PCI/G	0.0058	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	320857	14596-10-2	Americium-241	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.00748	0.0189	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.0398	PCI/G	0.0134	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	320857	OER-100-93	Curium-242	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0	0.0106	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.0146	PCI/G	0	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	109153004	320857	OER-101-57	Curium-243/244	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.011	0.0177	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.032	PCI/G	0.00949	PCI/G	1	5	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0409	0.0233	PCI/G	0		18/03/2004	38049.50417	10:16	0.0254	PCI/G	0.0117	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0097	0.0203	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0382	PCI/G	0.0175	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	8.33	0.862	PCI/G	0		18/03/2004	38049.50417	10:16	0.269	PCI/G	0.119	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0064	0.0175	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0331	PCI/G	0.0155	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0169	0.0209	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0388	PCI/G	0.0183	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.59	0.0986	PCI/G	0		18/03/2004	38049.50417	10:16	0.0543	PCI/G	0.0255	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.544	0.14	PCI/G	0		18/03/2004	38049.50417	10:16	0.105	PCI/G	0.0484	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0452	0.0454	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0873	PCI/G	0.0423	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00519	0.0148	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0265	PCI/G	0.0125	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0141	0.0666	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.127	PCI/G	0.0613	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00162	0.0152	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0272	PCI/G	0.0127	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0512	0.0419	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0823	PCI/G	0.0394	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.59	0.0986	PCI/G	0		18/03/2004	38049.50417	10:16	0.0543	PCI/G	0.0255	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.512	0.177	PCI/G	0		18/03/2004	38049.50417	10:16	0.202	PCI/G	0.0931	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.179	0.0381	PCI/G	0		18/03/2004	38049.50417	10:16	0.0252	PCI/G	0.0117	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.686	0.0971	PCI/G	0		18/03/2004	38049.50417	10:16	0.0546	PCI/G	0.026	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.503	0.0603	PCI/G	0		18/03/2004	38049.50417	10:16	0.042	PCI/G	0.0202	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0107	0.0478	PCI/G	0	U	18/03/2004	38049.50417	10:16	0.0849	PCI/G	0.0383	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	4.48	1.38	PCI/G	0		18/03/2004	38050.01736	2:31	1.87	PCI/G	0.937	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318729	14762-75-5	Carbon-14	TRG L.	Item 5	ULSC	LSC	REG	-0.066	0.247	PCI/G	0	U	18/03/2004	38050.01667	2:39	0.429	PCI/G	0.209	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318765	13981-16-3	Plutonium-238	TRG L.	Item 32	UPU11RCM	PU11RCM	REG	-0.00331	0.0231	PCI/G	0	U	19/03/2004	38050.21042	11:09	0.0543	PCI/G	0.0231	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318765	OER-100-70	Plutonium-239/240	TRG L.	Item 32	UPU11RCM	PU11RCM	REG	0.00876	0.0203	PCI/G	0	U	19/03/2004	38050.21042	11:09	0.0422	PCI/G	0.0171	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	318766	14119-32-5	Plutonium-241	TRG L.	Item 36	UPU11RCM	PU11RCM	REG	0	2.59	PCI/G	0	U	19/03/2004	38050.2125	6:10	4.42	PCI/G	2.17	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0202	0.0099	PCI/G	0		19/03/2004	38050.2125	3:35	0.0156	PCI/G	0.0075	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	320857	14596-10-2	Americium-241	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.027	0.02	PCI/G	0		19/03/2004	38050.21528	7:36	0.0104	PCI/G	0	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	320857	OER-100-93	Curium-242	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.00122	0.0105	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.029	PCI/G	0.0086	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-01	04-0719	109153005	320857	OER-101-57	Curium-243/244	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	-0.000618	0.0143	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.0368	PCI/G	0.0132	PCI/G	1	7.4	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0297	0.0183	PCI/G	0		18/03/2004	38049.50417	2:34	0.0234	PCI/G	0.011	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0319	0.0174	PCI/G	0		18/03/2004	38049.50417	2:34	0.0231	PCI/G	0.0103	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.2	0.723	PCI/G	0		18/03/2004	38049.50417	2:34	0.206	PCI/G	0.0906	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00481	0.0147	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.0225	PCI/G	0.0104	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0274	PCI/G	0	UUI	18/03/2004	38049.50417	2:34	0.0302	PCI/G	0.0142	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.343	0.06	PCI/G	0		18/03/2004	38049.50417	2:34	0.0402	PCI/G	0.0188	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.41	0.0991	PCI/G	0		18/03/2004	38049.50417	2:34	0.0813	PCI/G	0.0376	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0244	0.0394	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.061	PCI/G	0.0294	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0051	0.0105	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.0183	PCI/G	0.00858	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0163	0.0452	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.0941	PCI/G	0.0454	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00843	0.0106	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.021	PCI/G	0.00985	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0233	0.0321	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.0615	PCI/G	0.0293	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.343	0.06	PCI/G	0		18/03/2004	38049.50417	2:34	0.0402	PCI/G	0.0188	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.398	0.191	PCI/G	0		18/03/2004	38049.50417	2:34	0.164	PCI/G	0.0761	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.134	0.0317	PCI/G	0		18/03/2004	38049.50417	2:34	0.0204	PCI/G	0.00949	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.385	0.0641	PCI/G	0		18/03/2004	38049.50417	2:34	0.0419	PCI/G	0.0199	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.388	0.0455	PCI/G	0		18/03/2004	38049.50417	2:34	0.0321	PCI/G	0.0154	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0223	0.028	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.068	PCI/G	0.0307	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	3.52	1.47	PCI/G	0		18/03/2004	38050.01736	4:16	2.11	PCI/G	1.06	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318729	14762-75-5	Carbon-14	TRG L.	Item 5	ULSC	LSC	REG	-0.149	0.222	PCI/G	0	U	18/03/2004	38050.01667	3:11	0.391	PCI/G	0.19	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318765	13981-16-3	Plutonium-238	TRG L.	Item 32	UPU11RCM	PU11RCM	REG	-0.00163	0.011	PCI/G	0	U	19/03/2004	38050.21042	11:09	0.0314	PCI/G	0.0115	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318765	OER-100-70	Plutonium-239/240	TRG L.	Item 32	UPU11RCM	PU11RCM	REG	0.00918	0.0198	PCI/G	0	U	19/03/2004	38050.21042	11:09	0.0409	PCI/G	0.0163	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	318766	14119-32-5	Plutonium-241	TRG L.	Item 36	UPU11RCM	PU11RCM	REG	-2.36	2.68	PCI/G	0	U	19/03/2004	38050.2125	7:13	4.67	PCI/G	2.29	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0019	0.007	PCI/G	0	U	19/03/2004	38050.2125	4:39	0.0121	PCI/G	0.0058	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	320857	14596-10-2	Americium-241	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.0126	0.0142	PCI/G	0		19/03/2004	38050.21528	7:36	0.0113	PCI/G	0	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	320857	OER-100-93	Curium-242	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.00473	0.00928	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.0128	PCI/G	0	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	109153006	320857	OER-101-57	Curium-243/244	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.00117	0.0101	PCI/G	0	U	19/03/2004	38050.21528	7:36	0.0279	PCI/G	0.00828	PCI/G	1	5.5	PR		
3100-0000-177-C-11C-01	04-0719	109153007	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0203	0.014	PCI/G	0	U	18/03/2004	38049.50417	11:06	0.0282	PCI/G	0.0134	PCI/G	1	5.2	PR		
3100-0000-177-C-11C-01	04-0719	109153007	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0119	0.0168	PCI/G	0	U	18/03/2004	38049.50417	11:06	0.0297	PCI/G	0.0137	PCI/G	1	5.2	PR		
3100-0000-177-C-11C-01	04-0719	109153007	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	6.73	0.746	PCI/G	0		18/03/2004	38049.50417	11:06	0.24	PCI/G	0.108	PCI/G	1	5.2	PR		
3100-0000-177-C-11C-01	04-0719	109153007	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0114	0.0127	PCI/G	0	U	18/03/2004	38049.50417	11:06	0.0248	PCI/G	0.0116	PCI/G	1	5.2	PR		
3100-0000-177-C-11C-01	04-0719	109153007	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0293	0.0346	PCI/G	0	U	18/03/2004	38049.50417	11:06	0.0299	PCI/G	0.0141	PCI/G	1	5.2	PR		
3100-0000-177-C-11C-01	04-0719	109153007	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.415	0.0713	PCI/G	0		18/03/2004	38049.50417	11:06	0.039	PCI/G	0.0183	PCI/G	1	5.2	PR		
3100-0000-177-C-11C-01	04-0719	109153007	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.439	0.109	PCI/G	0		18/03/2004	38049.50417	11:06	0.0773	PCI/G	0.0357	PCI/G	1	5.2	PR		
3100-0000-177-C-11C-01	04-0719	109153007	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0301	0.0336	PCI/G	0	U	18/03/2004	38049.50417	11:06	0.069	PCI/G	0.0334	PCI/G	1	5.2	PR		
3100-0000-177-C-11C-01	04-0719	109153007	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00127	0.0104	PCI/G	0	U	18/03/2004	38049.50417	11:06	0.0202	PCI/G	0.00956	PCI/G	1	5.2	PR		
3100-0000-177-C-11C-01	04-0719	109153007	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0543	0.0587	PCI/G	0	U	18/03/2004	38049.50417	11:06	0.0952	PCI/G	0.0459	PCI/G	1	5.2	PR		

3100-0000-177-C-11C-01	04-0719	109153007	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0311	PCI/G	0	UUI	18/03/2004	38049.50417	11:06	0.0209	PCI/G	0.0098	PCI/G	1	5.2	PR	
3100-0000-177-C-11C-01	04-0719	109153007	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.00598	0.0335	PCI/G	0	U	18/03/2004	38049.50417	11:06	0.0616	PCI/G	0.0294	PCI/G	1	5.2	PR	
3100-0000-177-C-11C-01	04-0719	109153007	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.415	0.0713	PCI/G	0		18/03/2004	38049.50417	11:06	0.039	PCI/G	0.0183	PCI/G	1	5.2	PR	
3100-0000-177-C-11C-01	04-0719	109153007	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.253	0.157	PCI/G	0		18/03/2004	38049.50417	11:06	0.176	PCI/G	0.0819	PCI/G	1	5.2	PR	
3100-0000-177-C-11C-01	04-0719	109153007	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.13	0.0326	PCI/G	0		18/03/2004	38049.50417	11:06	0.023	PCI/G	0.0108	PCI/G	1	5.2	PR	
3100-0000-177-C-11C-01	04-0719	109153007	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.494	0.0799	PCI/G	0		18/03/2004	38049.50417	11:06	0.0413	PCI/G	0.0196	PCI/G	1	5.2	PR	
3100-0000-177-C-11C-01	04-0719	109153007	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.374	0.0492	PCI/G	0		18/03/2004	38049.50417	11:06	0.0361	PCI/G	0.0174	PCI/G	1	5.2	PR	
3100-0000-177-C-11C-01	04-0719	109153007	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0227	0.0392	PCI/G	0	U	18/03/2004	38049.50417	11:06	0.0683	PCI/G	0.031	PCI/G	1	5.2	PR	
3100-0000-177-C-11C-01	04-0719	109153007	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	1.13	1.34	PCI/G	0	U	18/03/2004	38050.01736	5:19	2.12	PCI/G	1.06	PCI/G	1	5.2	PR	
3100-0000-177-C-11C-01	04-0719	109153007	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0165	0.0061	PCI/G	0		19/03/2004	38050.2125	4:39	0.0093	PCI/G	0.0045	PCI/G	1	5.2	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0227	0.0227	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.0257	PCI/G	0.012	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0235	0.0291	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.0296	PCI/G	0.0135	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.9	0.816	PCI/G	0		18/03/2004	38049.50417	2:34	0.283	PCI/G	0.118	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00225	0.0158	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.03	PCI/G	0.0141	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0262	0.018	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.0355	PCI/G	0.0167	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.542	0.0813	PCI/G	0		18/03/2004	38049.50417	2:34	0.0523	PCI/G	0.0247	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.443	0.135	PCI/G	0		18/03/2004	38049.50417	2:34	0.093	PCI/G	0.043	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0159	0.0503	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.0954	PCI/G	0.0463	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.0114	0.0129	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.0253	PCI/G	0.012	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.117	0.101	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.187	PCI/G	0.0904	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00379	0.0127	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.0236	PCI/G	0.0111	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00102	0.0404	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.0758	PCI/G	0.0363	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.542	0.0813	PCI/G	0		18/03/2004	38049.50417	2:34	0.0523	PCI/G	0.0247	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.42	0.211	PCI/G	0		18/03/2004	38049.50417	2:34	0.193	PCI/G	0.0895	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.143	0.0399	PCI/G	0		18/03/2004	38049.50417	2:34	0.0297	PCI/G	0.014	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.611	0.0839	PCI/G	0		18/03/2004	38049.50417	2:34	0.0555	PCI/G	0.0266	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.442	0.0607	PCI/G	0		18/03/2004	38049.50417	2:34	0.0453	PCI/G	0.0218	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.00498	0.0517	PCI/G	0	U	18/03/2004	38049.50417	2:34	0.0953	PCI/G	0.044	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	0.245	1.23	PCI/G	0	U	18/03/2004	38050.01736	6:21	2.03	PCI/G	1.02	PCI/G	1	6.1	PR	
3100-0000-177-C-14C-01	04-0719	109153008	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0039	0.0064	PCI/G	0	U	19/03/2004	38050.2125	4:39	0.0109	PCI/G	0.0052	PCI/G	1	6.1	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.00268	0.041	PCI/G	0	U	18/03/2004	38049.50486	2:51	0.0372	PCI/G	0.0175	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00755	0.0186	PCI/G	0	U	18/03/2004	38049.50486	2:51	0.0327	PCI/G	0.0145	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	6.68	0.813	PCI/G	0		18/03/2004	38049.50486	2:51	0.38	PCI/G	0.172	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0237	0.0205	PCI/G	0	U	18/03/2004	38049.50486	2:51	0.0384	PCI/G	0.0179	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0255	0.038	PCI/G	0	U	18/03/2004	38049.50486	2:51	0.0454	PCI/G	0.0213	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.467	0.104	PCI/G	0		18/03/2004	38049.50486	2:51	0.069	PCI/G	0.0325	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.336	0.139	PCI/G	0		18/03/2004	38049.50486	2:51	0.118	PCI/G	0.0541	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0493	0.0491	PCI/G	0	U	18/03/2004	38049.50486	2:51	0.0961	PCI/G	0.0467	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00284	0.0153	PCI/G	0	U	18/03/2004	38049.50486	2:51	0.0291	PCI/G	0.0137	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0146	0.0436	PCI/G	0	U	18/03/2004	38049.50486	2:51	0.0773	PCI/G	0.0376	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00529	0.0191	PCI/G	0	U	18/03/2004	38049.50486	2:51	0.0351	PCI/G	0.0165	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.00566	0.0495	PCI/G	0	U	18/03/2004	38049.50486	2:51	0.0939	PCI/G	0.0449	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.467	0.104	PCI/G	0		18/03/2004	38049.50486	2:51	0.069	PCI/G	0.0325	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.513	0.376	PCI/G	0		18/03/2004	38049.50486	2:51	0.254	PCI/G	0.117	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.145	0.0411	PCI/G	0		18/03/2004	38049.50486	2:51	0.0401	PCI/G	0.019	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.441	0.0905	PCI/G	0		18/03/2004	38049.50486	2:51	0.0633	PCI/G	0.0302	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.388	0.0611	PCI/G	0		18/03/2004	38049.50486	2:51	0.0526	PCI/G	0.0254	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0398	0.0578	PCI/G	0	U	18/03/2004	38049.50486	2:51	0.115	PCI/G	0.0524	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	-0.0695	1.14	PCI/G	0	U	18/03/2004	38050.01736	7:24	1.92	PCI/G	0.959	PCI/G	1	5.3	PR	
3100-0000-178-C-9C-01	04-0719	109153009	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0047	0.0077	PCI/G	0	U	19/03/2004	38050.2125	4:39	0.0131	PCI/G	0.0063	PCI/G	1	5.3	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0162	0.0238	PCI/G	0	U	18/03/2004	38049.50417	2:35	0.0268	PCI/G	0.0125	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0246	PCI/G	0	UUI	18/03/2004	38049.50417	2:35	0.0353	PCI/G	0.0162	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.13	0.786	PCI/G	0		18/03/2004	38049.50417	2:35	0.279	PCI/G	0.125	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.000852	0.0162	PCI/G	0	U	18/03/2004	38049.50417	2:35	0.0261	PCI/G	0.012	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0246	0.0207	PCI/G	0	U	18/03/2004	38049.50417	2:35	0.0391	PCI/G	0.0185	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.405	0.0759	PCI/G	0		18/03/2004	38049.50417	2:35	0.0509	PCI/G	0.0239	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.366	0.133	PCI/G	0		18/03/2004	38049.50417	2:35	0.102	PCI/G	0.0474	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0276	0.0672	PCI/G	0	U	18/03/2004	38049.50417	2:35	0.082	PCI/G	0.0397	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00913	0.015	PCI/G	0	U	18/03/2004	38049.50417	2:35	0.0276	PCI/G	0.0131	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0957	0.0884	PCI/G	0	U	18/03/2004	38049.50417	2:35	0.12	PCI/G	0.0579	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0122	0.0146	PCI/G	0	U	18/03/2004	38049.50417	2:35	0.025	PCI/G	0.0117	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0131	0.0433	PCI/G	0	U	18/03/2004	38049.50417	2:35	0.0765	PCI/G	0.0365	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.405	0.0759	PCI/G	0		18/03/2004	38049.50417	2:35	0.0509	PCI/G	0.0239	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.353	0.26	PCI/G	0		18/03/2004	38049.50417	2:35	0.248	PCI/G	0.116	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.157	0.0394	PCI/G	0		18/03/2004	38049.50417	2:35	0.0271	PCI/G	0.0127	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.428	0.0731	PCI/G	0		18/03/2004	38049.50417	2:35	0.0538	PCI/G	0.0257	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.409	0.055	PCI/G	0		18/03/2004	38049.50417	2:35	0.0493	PCI/G	0.0238	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.00108	0.0488	PCI/G	0	U	18/03/2004	38049.50417	2:35	0.0912	PCI/G	0.0416	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	0.411	1.09	PCI/G	0	U	18/03/2004	38050.01736	8:27	1.79	PCI/G	0.894	PCI/G	1	6.4	PR	
3100-0000-178-C-13C-01	04-0719	109153010	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0092	0.0063	PCI/G	0	U	19/03/2004	38050.2125	4:39	0.0102	PCI/G	0.0049	PCI/G	1	6.4	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0507	0.0234	PCI/G	0		18/03/2004	38049.50417	2:36	0.0239	PCI/G	0.0111	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.00988	0.0231	PCI/G	0	U	18/03/2004	38049.50417	2:36	0.026	PCI/G	0.0117	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.72	0.787	PCI/G	0		18/03/2004	38049.50417	2:36	0.201	PCI/G	0.0872	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00306	0.0158	PCI/G	0	U	18/03/2004	38049.50417	2:36	0.03	PCI/G	0.014	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0244	0.0203	PCI/G	0	U	18/03/2004	38049.50417	2:36	0.0333	PCI/G	0.0156	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.349	0.0672	PCI/G	0		18/03/2004	38049.50417	2:36	0.0473	PCI/G	0.0222	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.33	0.106	PCI/G	0		18/03/2004	38049.50417	2:36	0.0838	PCI/G	0.0385	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.00924	0.0367	PCI/G	0	U	18/03/2004	38049.50417	2:36	0.0715	PCI/G	0.0345	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00495	0.0119	PCI/G	0	U	18/03/2004	38049.50417	2:36	0.0228	PCI/G	0.0108	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0252	0.0557	PCI/G	0	U	18/03/2004	38049.50417	2:36	0.11	PCI/G	0.0529	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00587	0.0135	PCI/G	0	U	18/03/2004	38049.50417	2:36	0.0251	PCI/G	0.0118	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0468	0.0468	PCI/G	0	U	18/03/2004	38049.50417	2:36	0.0636	PCI/G	0.0302	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.349	0.0672	PCI/G	0		18/03/2004	38049.50417	2:36	0.0473	PCI/G	0.0222	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.188	0.21	PCI/G	0	U	18/03/2004	38049.50417	2:36	0.212	PCI/G	0.0989	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.103	0.0269	PCI/G	0		18/03/2004	38049.50417	2:36	0.0267	PCI/G	0.0125	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.454	0.0678	PCI/G	0		18/03/2004	38049.50417	2:36	0.0458	PCI/G	0.0218	PCI/G	1	4.9	PR	

3100-0000-178-C-17C-01	04-0719	109153011	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.352	0.0466	PCI/G	0		18/03/2004	38049.50417	2:36	0.0369	PCI/G	0.0177	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0348	0.0484	PCI/G	0	U	18/03/2004	38049.50417	2:36	0.081	PCI/G	0.0369	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	2.22	1.28	PCI/G	0		18/03/2004	38050.01736	9:29	1.92	PCI/G	0.958	PCI/G	1	4.9	PR	
3100-0000-178-C-17C-01	04-0719	109153011	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0023	0.0066	PCI/G	0	U	19/03/2004	38050.2125	4:40	0.0114	PCI/G	0.0054	PCI/G	1	4.9	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.579	0.0561	PCI/G	0		18/03/2004	38049.50486	2:52	0.0236	PCI/G	0.011	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0344	0.0174	PCI/G	0		18/03/2004	38049.50486	2:52	0.0323	PCI/G	0.0148	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	6.8	0.738	PCI/G	0		18/03/2004	38049.50486	2:52	0.202	PCI/G	0.0874	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0119	0.0138	PCI/G	0	U	18/03/2004	38049.50486	2:52	0.0273	PCI/G	0.0127	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.00296	0.0155	PCI/G	0	U	18/03/2004	38049.50486	2:52	0.0289	PCI/G	0.0134	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.397	0.0702	PCI/G	0		18/03/2004	38049.50486	2:52	0.046	PCI/G	0.0216	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.289	0.108	PCI/G	0		18/03/2004	38049.50486	2:52	0.0936	PCI/G	0.0433	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0145	0.0371	PCI/G	0	U	18/03/2004	38049.50486	2:52	0.0725	PCI/G	0.0351	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00548	0.0154	PCI/G	0	U	18/03/2004	38049.50486	2:52	0.0249	PCI/G	0.0118	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0492	0.0653	PCI/G	0	U	18/03/2004	38049.50486	2:52	0.0941	PCI/G	0.0453	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00136	0.0116	PCI/G	0	U	18/03/2004	38049.50486	2:52	0.0218	PCI/G	0.0102	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0286	0.0409	PCI/G	0	U	18/03/2004	38049.50486	2:52	0.0692	PCI/G	0.033	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.397	0.0702	PCI/G	0		18/03/2004	38049.50486	2:52	0.046	PCI/G	0.0216	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.413	0.184	PCI/G	0		18/03/2004	38049.50486	2:52	0.205	PCI/G	0.0956	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.101	0.0347	PCI/G	0		18/03/2004	38049.50486	2:52	0.0248	PCI/G	0.0116	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.417	0.063	PCI/G	0		18/03/2004	38049.50486	2:52	0.0507	PCI/G	0.0242	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.364	0.0482	PCI/G	0		18/03/2004	38049.50486	2:52	0.04	PCI/G	0.0192	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0303	0.0491	PCI/G	0	U	18/03/2004	38049.50486	2:52	0.0807	PCI/G	0.0367	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	0.731	1.17	PCI/G	0	U	18/03/2004	38050.01736	10:32	1.89	PCI/G	0.945	PCI/G	1	6.8	PR	
3100-0000-178-C-18C-01	04-0719	109153012	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0075	0.0073	PCI/G	0	U	19/03/2004	38050.2125	4:40	0.0121	PCI/G	0.0058	PCI/G	1	6.8	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00174	0.0156	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0277	PCI/G	0.0131	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00232	0.0168	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0298	PCI/G	0.0137	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.7	0.781	PCI/G	0		18/03/2004	38049.57361	2:37	0.225	PCI/G	0.1	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00502	0.0143	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.026	PCI/G	0.0122	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0253	0.0216	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0316	PCI/G	0.0149	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.513	0.0863	PCI/G	0		18/03/2004	38049.57361	2:37	0.0463	PCI/G	0.0219	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.476	0.133	PCI/G	0		18/03/2004	38049.57361	2:37	0.0898	PCI/G	0.0418	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0328	0.035	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0698	PCI/G	0.0338	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.000405	0.0118	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0195	PCI/G	0.00916	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0204	0.0641	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.105	PCI/G	0.0508	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00462	0.013	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0227	PCI/G	0.0107	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0122	0.035	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0633	PCI/G	0.0302	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.513	0.0863	PCI/G	0		18/03/2004	38049.57361	2:37	0.0463	PCI/G	0.0219	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.46	0.157	PCI/G	0		18/03/2004	38049.57361	2:37	0.199	PCI/G	0.0933	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.132	0.0274	PCI/G	0		18/03/2004	38049.57361	2:37	0.0221	PCI/G	0.0104	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.655	0.0827	PCI/G	0		18/03/2004	38049.57361	2:37	0.0434	PCI/G	0.0206	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.42	0.0525	PCI/G	0		18/03/2004	38049.57361	2:37	0.0368	PCI/G	0.0177	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0243	0.0483	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0826	PCI/G	0.038	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	0.647	1.14	PCI/G	0	U	18/03/2004	38050.01736	11:34	1.85	PCI/G	0.924	PCI/G	1	5.1	PR	
3100-0000-180-C-10C-01	04-0719	109153013	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0012	0.0067	PCI/G	0	U	19/03/2004	38050.2125	4:32	0.0116	PCI/G	0.0056	PCI/G	1	5.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.000994	0.0153	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0273	PCI/G	0.0128	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.00754	0.0144	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0281	PCI/G	0.0128	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.42	0.809	PCI/G	0		18/03/2004	38049.57361	2:37	0.216	PCI/G	0.0952	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00668	0.0142	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0254	PCI/G	0.0118	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0253	0.025	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0326	PCI/G	0.0153	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.326	0.0643	PCI/G	0		18/03/2004	38049.57361	2:37	0.0459	PCI/G	0.0216	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.451	0.128	PCI/G	0		18/03/2004	38049.57361	2:37	0.105	PCI/G	0.0491	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0495	0.0418	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0744	PCI/G	0.036	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.0104	0.0127	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0243	PCI/G	0.0116	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0312	0.0628	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.103	PCI/G	0.0501	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.0088	0.0133	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0247	PCI/G	0.0116	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0124	0.0385	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0698	PCI/G	0.0334	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.326	0.0643	PCI/G	0		18/03/2004	38049.57361	2:37	0.0459	PCI/G	0.0216	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.333	0.227	PCI/G	0		18/03/2004	38049.57361	2:37	0.195	PCI/G	0.091	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.123	0.043	PCI/G	0		18/03/2004	38049.57361	2:37	0.0241	PCI/G	0.0113	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.442	0.0744	PCI/G	0		18/03/2004	38049.57361	2:37	0.0493	PCI/G	0.0235	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.415	0.0539	PCI/G	0		18/03/2004	38049.57361	2:37	0.0387	PCI/G	0.0186	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0322	0.0446	PCI/G	0	U	18/03/2004	38049.57361	2:37	0.0871	PCI/G	0.0401	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	-0.0684	1.12	PCI/G	0	U	18/03/2004	38050.01736	12:37	1.89	PCI/G	0.944	PCI/G	1	6.1	PR	
3100-0000-180C-14C-01	04-0719	109153014	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	-0.0013	0.0065	PCI/G	0	U	19/03/2004	38050.2125	4:33	0.0115	PCI/G	0.0055	PCI/G	1	6.1	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0976	0.0316	PCI/G	0		18/03/2004	38049.57361	2:38	0.0254	PCI/G	0.0119	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.00333	0.0175	PCI/G	0	U	18/03/2004	38049.57361	2:38	0.0327	PCI/G	0.015	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.33	0.871	PCI/G	0		18/03/2004	38049.57361	2:38	0.271	PCI/G	0.122	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00668	0.0139	PCI/G	0	U	18/03/2004	38049.57361	2:38	0.024	PCI/G	0.0111	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0168	PCI/G	0	UUI	18/03/2004	38049.57361	2:38	0.0308	PCI/G	0.0144	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.307	0.0593	PCI/G	0		18/03/2004	38049.57361	2:38	0.0481	PCI/G	0.0226	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.419	0.135	PCI/G	0		18/03/2004	38049.57361	2:38	0.0983	PCI/G	0.0458	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0202	0.0384	PCI/G	0	U	18/03/2004	38049.57361	2:38	0.0755	PCI/G	0.0364	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00716	0.0123	PCI/G	0	U	18/03/2004	38049.57361	2:38	0.024	PCI/G	0.0114	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00547	0.109	PCI/G	0	U	18/03/2004	38049.57361	2:38	0.179	PCI/G	0.0863	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00448	0.0123	PCI/G	0	U	18/03/2004	38049.57361	2:38	0.0231	PCI/G	0.0108	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.00929	0.0356	PCI/G	0	U	18/03/2004	38049.57361	2:38	0.0648	PCI/G	0.0307	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.307	0.0593	PCI/G	0		18/03/2004	38049.57361	2:38	0.0481	PCI/G	0.0226	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.187	0.181	PCI/G	0	U	18/03/2004	38049.57361	2:38	0.191	PCI/G	0.0888	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.108	0.0317	PCI/G	0		18/03/2004	38049.57361	2:38	0.0235	PCI/G	0.011	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.39	0.0727	PCI/G	0		18/03/2004	38049.57361	2:38	0.0419	PCI/G	0.0198	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.352	0.0503	PCI/G	0		18/03/2004	38049.57361	2:38	0.0386	PCI/G	0.0185	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0132	0.044	PCI/G	0	U	18/03/2004	38049.57361	2:38	0.0792	PCI/G	0.036	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	2.24	1.24	PCI/G	0		18/03/2004	38050.01736	1:40	1.85	PCI/G	0.927	PCI/G	1	7	PR	
3100-0000-180-C-18C-01	04-0719	109153015	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0126	0.0069	PCI/G	0		19/03/2004	38050.2125	4:33	0.0111	PCI/G	0.0053	PCI/G	1	7	PR	
3100-0000-180-C-18C-02	04-0719	109153016	318348	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0452	0.0278	PCI/G	0		18/03/2004	38049.57361	2:39	0.032	PCI/G	0.015	PCI/G	1	5.2	PR	
3100-0000-180-C-18C-02	04-0719	109153016	318348	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0108	0.0194	PCI/G	0	U	18/03/2004	38049.57361	2:39	0.0384	PCI/G	0.0176	PCI/G	1	5.2	PR	

3100-0000-180-C-18C-02	04-0719	109153016	318348	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	6.67	0.776	PCI/G	0		18/03/2004	38049.57361	2:39	0.327	PCI/G	0.148	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00402	0.0152	PCI/G	0	U	18/03/2004	38049.57361	2:39	0.029	PCI/G	0.0134	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0244	0.0202	PCI/G	0	U	18/03/2004	38049.57361	2:39	0.0404	PCI/G	0.019	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.51	0.0951	PCI/G	0		18/03/2004	38049.57361	2:39	0.0519	PCI/G	0.0242	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.36	0.142	PCI/G	0		18/03/2004	38049.57361	2:39	0.102	PCI/G	0.0466	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0268	0.0358	PCI/G	0	U	18/03/2004	38049.57361	2:39	0.068	PCI/G	0.0329	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00494	0.0136	PCI/G	0	U	18/03/2004	38049.57361	2:39	0.0241	PCI/G	0.0113	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0025	0.0215	PCI/G	0	U	18/03/2004	38049.57361	2:39	0.0381	PCI/G	0.0184	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00702	0.0139	PCI/G	0	U	18/03/2004	38049.57361	2:39	0.0251	PCI/G	0.0116	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00102	0.039	PCI/G	0	U	18/03/2004	38049.57361	2:39	0.0721	PCI/G	0.0343	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.51	0.0951	PCI/G	0		18/03/2004	38049.57361	2:39	0.0519	PCI/G	0.0242	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.113	0.202	PCI/G	0	U	18/03/2004	38049.57361	2:39	0.274	PCI/G	0.129	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.115	0.0378	PCI/G	0		18/03/2004	38049.57361	2:39	0.0296	PCI/G	0.0139	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.585	0.0772	PCI/G	0		18/03/2004	38049.57361	2:39	0.0497	PCI/G	0.0235	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.351	0.0484	PCI/G	0		18/03/2004	38049.57361	2:39	0.0382	PCI/G	0.0183	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318348	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.047	0.0559	PCI/G	0	U	18/03/2004	38049.57361	2:39	0.0959	PCI/G	0.0436	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	318708	10028-17-8	Tritium	TRG L.	Item 20	UE906.0	E906.0	REG	4.78	1.46	PCI/G	0		18/03/2004	38050.01736	2:42	1.99	PCI/G	0.993	PCI/G	1	5.2	PR		
3100-0000-180-C-18C-02	04-0719	109153016	319123	10098-97-2	Strontium-90	TRG L.	Item 45	UE905M	E905M	REG	0.0034	0.0056	PCI/G	0	U	19/03/2004	38050.2125	4:33	0.0095	PCI/G	0.0045	PCI/G	1	5.2	PR		
	04-0719	1200589858	318348	10045-97-3	Cesium-137	TRG		U	HASL300	LB1	0.0322	0.0748	PCI/G	0	U		26/03/2004	2:40	0.0498	PCI/G	0.0228	PCI/G	1	0	PR		
	04-0719	1200589858	318348	10198-40-0	Cobalt-60	TRG		U	HASL300	LB1	-0.0103	0.0273	PCI/G	0	U		26/03/2004	2:40	0.0474	PCI/G	0.0203	PCI/G	1	0	PR		
	04-0719	1200589858	318348	13966-00-2	Potassium-40	TRG		U	HASL300	LB1	0.109	0.298	PCI/G	0	U		26/03/2004	2:40	0.579	PCI/G	0.255	PCI/G	1	0	PR		
	04-0719	1200589858	318348	13966-31-9	Manganese-54	TRG		U	HASL300	LB1	0.00803	0.0296	PCI/G	0	U		26/03/2004	2:40	0.0553	PCI/G	0.0253	PCI/G	1	0	PR		
	04-0719	1200589858	318348	13967-70-9	Cesium-134	TRG		U	HASL300	LB1	-0.0104	0.0289	PCI/G	0	U		26/03/2004	2:40	0.051	PCI/G	0.023	PCI/G	1	0	PR		
	04-0719	1200589858	318348	13982-63-3	Radium-226	TRG		U	HASL300	LB1	0.0527	0.058	PCI/G	0	U		26/03/2004	2:40	0.108	PCI/G	0.0503	PCI/G	1	0	PR		
	04-0719	1200589858	318348	14331-83-0	Actinium-228	TRG		U	HASL300	LB1	0.185	0.245	PCI/G	0	U		26/03/2004	2:40	0.243	PCI/G	0.113	PCI/G	1	0	PR		
	04-0719	1200589858	318348	14391-16-3	Europium-155	TRG		U	HASL300	LB1	-0.00366	0.0647	PCI/G	0	U		26/03/2004	2:40	0.108	PCI/G	0.0518	PCI/G	1	0	PR		
	04-0719	1200589858	318348	14391-65-2	Silver-108m	TRG		U	HASL300	LB1	-0.000758	0.0272	PCI/G	0	U		26/03/2004	2:40	0.0472	PCI/G	0.0221	PCI/G	1	0	PR		
	04-0719	1200589858	318348	14596-10-2	Americium-241	TRG		U	HASL300	LB1	-0.00303	0.0563	PCI/G	0	U		26/03/2004	2:40	0.0855	PCI/G	0.041	PCI/G	1	0	PR		
	04-0719	1200589858	318348	14681-63-1	Niobium-94	TRG		U	HASL300	LB1	-0.00216	0.03	PCI/G	0	U		26/03/2004	2:40	0.0512	PCI/G	0.0237	PCI/G	1	0	PR		
	04-0719	1200589858	318348	14683-23-9	Europium-152	TRG		U	HASL300	LB1	0.000912	0.073	PCI/G	0	U		26/03/2004	2:40	0.128	PCI/G	0.0603	PCI/G	1	0	PR		
	04-0719	1200589858	318348	14733-03-0	Bismuth-214	TRG		U	HASL300	LB1	0.0527	0.058	PCI/G	0	U		26/03/2004	2:40	0.108	PCI/G	0.0503	PCI/G	1	0	PR		
	04-0719	1200589858	318348	14913-49-6	Bismuth-212	TRG		U	HASL300	LB1	0.178	0.279	PCI/G	0	U		26/03/2004	2:40	0.366	PCI/G	0.166	PCI/G	1	0	PR		
	04-0719	1200589858	318348	14913-50-9	Thallium-208	TRG		U	HASL300	LB1	0	0.0342	PCI/G	0	UUI		26/03/2004	2:40	0.0686	PCI/G	0.0324	PCI/G	1	0	PR		
	04-0719	1200589858	318348	15067-28-4	Lead-214	TRG		U	HASL300	LB1	0.0291	0.0531	PCI/G	0	U		26/03/2004	2:40	0.0961	PCI/G	0.0454	PCI/G	1	0	PR		
	04-0719	1200589858	318348	15092-94-1	Lead-212	TRG		U	HASL300	LB1	0	0.0478	PCI/G	0	UUI		26/03/2004	2:40	0.091	PCI/G	0.0439	PCI/G	1	0	PR		
	04-0719	1200589858	318348	15585-10-1	Europium-154	TRG		U	HASL300	LB1	-0.0466	0.0829	PCI/G	0	U		26/03/2004	2:40	0.139	PCI/G	0.0601	PCI/G	1	0	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	10045-97-3	Cesium-137	TRG		U	HASL300	LR1	0.00363	0.0204	PCI/G	0	U		27/03/2004	2:53	0.0363	PCI/G	0.017	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	10198-40-0	Cobalt-60	TRG		U	HASL300	LR1	0.0896	0.0308	PCI/G	0			27/03/2004	2:53	0.0368	PCI/G	0.0166	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	13966-00-2	Potassium-40	TRG		U	HASL300	LR1	7.88	0.898	PCI/G	0			27/03/2004	2:53	0.303	PCI/G	0.133	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	13966-31-9	Manganese-54	TRG		U	HASL300	LR1	0.00678	0.0184	PCI/G	0	U		27/03/2004	2:53	0.0351	PCI/G	0.0163	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	13967-70-9	Cesium-134	TRG		U	HASL300	LR1	0.0348	0.0318	PCI/G	0	U		27/03/2004	2:53	0.0453	PCI/G	0.0213	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	13982-63-3	Radium-226	TRG		U	HASL300	LR1	0.496	0.0984	PCI/G	0			27/03/2004	2:53	0.0584	PCI/G	0.0273	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	14331-83-0	Actinium-228	TRG		U	HASL300	LR1	0.511	0.161	PCI/G	0			27/03/2004	2:53	0.118	PCI/G	0.0542	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	14391-16-3	Europium-155	TRG		U	HASL300	LR1	-0.0329	0.0592	PCI/G	0	U		27/03/2004	2:53	0.102	PCI/G	0.0492	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	14391-65-2	Silver-108m	TRG		U	HASL300	LR1	-0.000455	0.0182	PCI/G	0	U		27/03/2004	2:53	0.0287	PCI/G	0.0135	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	14596-10-2	Americium-241	TRG		U	HASL300	LR1	0.0205	0.133	PCI/G	0	U		27/03/2004	2:53	0.216	PCI/G	0.105	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	14681-63-1	Niobium-94	TRG		U	HASL300	LR1	-0.00618	0.0187	PCI/G	0	U		27/03/2004	2:53	0.0318	PCI/G	0.0149	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	14683-23-9	Europium-152	TRG		U	HASL300	LR1	0.00878	0.0518	PCI/G	0	U		27/03/2004	2:53	0.0943	PCI/G	0.048	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	14733-03-0	Bismuth-214	TRG		U	HASL300	LR1	0.496	0.0984	PCI/G	0			27/03/2004	2:53	0.0584	PCI/G	0.0273	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	14913-49-6	Bismuth-212	TRG		U	HASL300	LR1	0.308	0.239	PCI/G	0			27/03/2004	2:53	0.277	PCI/G	0.13	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	14913-50-9	Thallium-208	TRG		U	HASL300	LR1	0.182	0.0414	PCI/G	0			27/03/2004	2:53	0.0332	PCI/G	0.0156	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	15067-28-4	Lead-214	TRG		U	HASL300	LR1	0.484	0.0885	PCI/G	0			27/03/2004	2:53	0.0663	PCI/G	0.0316	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	15092-94-1	Lead-212	TRG		U	HASL300	LR1	0.47	0.0727	PCI/G	0			27/03/2004	2:53	0.0531	PCI/G	0.0255	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200589859	318348	15585-10-1	Europium-154	TRG		U	HASL300	LR1	0.0561	0.0656	PCI/G	0	U		27/03/2004	2:53	0.128	PCI/G	0.059	PCI/G	1	9.7	PR		
	04-0719	1200589860	318348	10045-97-3	Cesium-137	TRG		U	HASL300	BS1	9.75	0.752	PCI/G	0			29/03/2004	10:21	0.202	PCI/G	0.0961	PCI/G	1	0	9.18	PR	
	04-0719	1200589860	318348	10198-40-0	Cobalt-60	TRG		U	HASL300	BS1	13.6	1.05	PCI/G	0			29/03/2004	10:21	0.198	PCI/G	0.0905	PCI/G	1	0	13.3	PR	
	04-0719	1200589860	318348	13966-00-2	Potassium-40	TRG		U	HASL300	BS1	0.134	0.939	PCI/G	0	U		29/03/2004	10:21	1.73	PCI/G	0.78	PCI/G	1	0	PR		
	04-0719	1200589860	318348	13966-31-9	Manganese-54	TRG		U	HASL300	BS1	-0.00749	0.126	PCI/G	0	U		29/03/2004	10:21	0.216	PCI/G	0.103	PCI/G	1	0	PR		
	04-0719	1200589860	318348	13967-70-9	Cesium-134	TRG		U	HASL300	BS1	0.0403	0.135	PCI/G	0	U		29/03/2004	10:21	0.238	PCI/G	0.113	PCI/G	1	0	PR		
	04-0719	1200589860	318348	13982-63-3	Radium-226	TRG		U	HASL300	BS1	-0.0378	0.228	PCI/G	0	U		29/03/2004	10:21	0.344	PCI/G	0.163	PCI/G	1	0	PR		
	04-0719	1200589860	318348	14331-83-0	Actinium-228	TRG		U	HASL300	BS1	-0.183	0.551	PCI/G	0	U		29/03/2004	10:21	0.917	PCI/G	0.438	PCI/G	1	0	PR		
	04-0719	1200589860	318348	14391-16-3	Europium-155	TRG		U	HASL300	BS1	0.029	0.272	PCI/G	0	U		29/03/2004	10:21	0.458	PCI/G	0.222	PCI/G	1	0	PR		
	04-0719	1200589860	318348	14391-65-2	Silver-108m	TRG		U	HASL300	BS1	0.032	0.101	PCI/G	0	U		29/03/2004	10:21	0.174	PCI/G	0.0832	PCI/G	1	0	PR		
	04-0719	1200589860	318348	14596-10-2	Americium-241	TRG		U	HASL300	BS1	23.3	2.42	PCI/G	0			29/03/2004	10:21	0.782	PCI/G	0.381	PCI/G	1	0	22.4	PR	
	04-0719	1200589860	318348	14681-63-1	Niobium-94	TRG		U	HASL300	BS1	-0.0761	0.101	PCI/G	0	U		29/03/2004	10:21	0.167	PCI/G	0.0791	PCI/G	1	0	PR		
	04-0719	1200589860	318348	14683-23-9	Europium-152	TRG		U	HASL300	BS1	-0.084	0.259	PCI/G	0	U		29/03/2004	10:21	0.437	PCI/G	0.209	PCI/G	1	0	PR		
	04-0719	1200589860	318348	14733-03-0	Bismuth-214	TRG		U	HASL300	BS1	-0.0378	0.228	PCI/G	0	U		29/03/2004	10:21	0.344	PCI/G	0.163	PCI/G	1	0	PR		
	04-0719	1200589860	318348	14913-49-6	Bismuth-212	TRG		U	HASL300	BS1	0.93	0.931	PCI/G	0	U		29/03/2004	10:21	1.7	PCI/G	0.811	PCI/G	1	0	PR		
	04-0719	1200589860	318348	14913-50-9	Thallium-208	TRG		U	HASL300	BS1	0.0379	0.131	PCI/G	0	U		29/03/2004	10:21	0.192	PCI/G	0.0912	PCI/G	1	0	PR		
	04-0719	1200589860	318348	15067-28-4	Lead-214	TRG		U	HASL300	BS1	0.0307	0.198	PCI/G	0	U		29/03/2004	10:21	0.341	PCI/G	0.164	PCI/G	1	0	PR		
	04-0719	1200589860	318348	15092-94-1	Lead-212	TRG		U	HASL300	BS1	0.112	0.143	PCI/G	0	U		29/03/2004	10:21	0.256	PCI/G	0.123	PCI/G	1	0	PR		
	04-0719	1200589860	318348	15585-10-1	Europium-154	TRG		U	HASL300	BS1	-0.124	0.248	PCI/G	0	U		29/03/2004	10:21	0.426	PCI/G	0.191	PCI/G	1	0	PR		
	04-0719	1200590777	318708	10028-17-8	Tritium	TRG		U	E906.0	LB1	0.126	0.525	PCI/G	0	U		25/03/2004	3:45	0.868	PCI/G	0.434	PCI/G	1	0	PR		
3100-0000-177-C-4C-01	04-0719	1200590778	318708	10028-17-8	Tritium	TRG		U	E906.0	LR1	0.402	1.07	PCI/G	0	U		25/03/2004	4:47	1.75	PCI/G	0.876	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200590779	318708	10028-17-8	Tritium	TRG		U	E906.0	MS1	18.8	2.79	PCI/G	0			25/03/2004	5:20	2.78	PCI/G	1.39	PCI/G	1	9.7	15.7	PR	
	04-0719	1200590780	318708	10028-17-8	Tritium	TRG		U	E906.0	BS1	15.5	1.62	PCI/G	0			25/03/2004	5:52	1.29	PCI/G	0.645	PCI/G	1	0	15.0	PR	
	04-0719	1200590843	318729	14762-75-5	Carbon-14	TRG		U	LSC	LB1	-0.0213	0.236	PCI/G	0	U		24/03/2004	3:43	0.408	PCI/G	0.198	PCI/G	1	0	PR		
3100-0000-177-C-4C-01	04-0719	1200590844	318729	14762-75-5	Carbon-14	TRG		U	LSC	LR1	-0.0886	0.246	PCI/G	0	U		24/03/2004	4:15	0.43	PCI/G	0.209	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200590845	318729	14762-75-5	Carbon-14	TRG		U	LSC	MS1	11.5	0.485	PCI/G	0			24/03/2004	4:47	0.401	PCI/G	0.195	PCI/G	1	9.7	10.9	PR	
	04-0719	1200590846	318729	14762-75-5	Carbon-14	TRG		U	LSC	BS1	11.4	0.491	PCI/G	0			24/03/2004	5:19	0.41	PCI/G	0.2	PCI/G	1	0	11.1	PR	
	04-0719	1200591003	318765	13981-16-3	Plutonium-238	TRG		U	PU11RCM	LB1	-0.00587	0.0212	PCI/G	0	U		23/03/2004	11:09	0.0548	PCI/G	0.0223	PCI/G	1	0	PR		
	04-0719	1200591003	318765	OER-100-70	Plutonium-239/240	TRG		U	PU11RCM	LB1	0.00178	0.0152	PCI/G	0	U		23/03/2004	11:09	0.0378	PCI/G	0.0139	PCI/G	1	0	PR		
3100-0000-177-C-4C-01	04-0719	1200591004	318765	13981-16-3	Plutonium-238	TRG		U	PU11RCM	LR1	-0.012	0.0166	PCI/G	0	U		23/03/2004	11:09	0.0493	PCI/G	0.0201	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200591004	318765	OER-100-70	Plutonium-239/240	TRG		U	PU11RCM	LR1	0.0101	0.014	PCI/G	0	U		23/03/2004	11:09	0.0249	PCI/G	0.00787	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200591005	318765	13981-16-3	Plutonium-238	TRG		U	PU11RCM	MS1	0.0231	0.0274	PCI/G	0	U		23/03/2004	11:09	0.0503	PCI/G	0.0207	PCI/G	1	9.7	PR		
3100-0000-177-C-4C-01	04-0719	1200591005	318765	OER-100-70	Plutonium-239/240	TRG		U	PU11RCM	MS1	2.18	0.168	PCI/G	0			23/03/2004	11:09	0.0337	PCI/G	0.0123	PCI/G	1	9.7	2.27	PR	

	04-0719	1200591006	318765	13981-16-3	Plutonium-238	TRG		U	PU11RCM	BS1	0.0302	0.0294	PCI/G	0	U		23/03/2004	11:09	0.05	PCI/G	0.0199	PCI/G	1	0	PR		
	04-0719	1200591006	318765	OER-100-70	Plutonium-239/240	TRG		U	PU11RCM	BS1	2.26	0.182	PCI/G	0			23/03/2004	11:09	0.0321	PCI/G	0.0109	PCI/G	1	0	2.26	PR	
	04-0719	1200591007	318766	14119-32-5	Plutonium-241	TRG		U	PU11RCM	LB1	-3.22	2.7	PCI/G	0	U		26/03/2004	8:17	4.74	PCI/G	2.33	PCI/G	1	0	PR		
3100-0000-177-C-4C-02	04-0719	1200591008	318766	14119-32-5	Plutonium-241	TRG		U	PU11RCM	LR1	-1.35	2.42	PCI/G	0	U		26/03/2004	9:20	4.18	PCI/G	2.05	PCI/G	1	5.7	PR		
3100-0000-177-C-4C-02	04-0719	1200591009	318766	14119-32-5	Plutonium-241	TRG		U	PU11RCM	MS1	60.1	3.63	PCI/G	0			26/03/2004	10:23	4.37	PCI/G	2.15	PCI/G	1	5.7	72.3	PR	
	04-0719	1200591010	318766	14119-32-5	Plutonium-241	TRG		U	PU11RCM	BS1	61.9	4.01	PCI/G	0			26/03/2004	11:27	4.95	PCI/G	2.43	PCI/G	1	0	71.8	PR	
	04-0719	1200591878	319123	10098-97-2	Strontium-90	TRG		U	E905M	LB1	-0.003	0.0046	PCI/G	0	U		26/03/2004	4:33	0.0084	PCI/G	0.004	PCI/G	1	0	PR		
3100-0000-180-C-4C-02	04-0719	1200591879	319123	10098-97-2	Strontium-90	TRG		U	E905M	LR1	0.0064	0.0068	PCI/G	0	U		26/03/2004	4:33	0.0113	PCI/G	0.0054	PCI/G	1	5.5	PR		
3100-0000-180-C-4C-02	04-0719	1200591880	319123	10098-97-2	Strontium-90	TRG		U	E905M	MS1	2.63	0.179	PCI/G	0			26/03/2004	7:50	0.0693	PCI/G	0.0305	PCI/G	1	5.5	3.25	PR	
	04-0719	1200591881	319123	10098-97-2	Strontium-90	TRG		U	E905M	BS1	1.22	0.0732	PCI/G	0			26/03/2004	7:50	0.0285	PCI/G	0.0127	PCI/G	1	0	1.56	PR	
	04-0719	1200596272	320857	14596-10-2	Americium-241	TRG		U	AM05RCM	LB1	0.00153	0.0192	PCI/G	0	U		30/03/2004	7:36	0.0441	PCI/G	0.0169	PCI/G	1	0	PR		
	04-0719	1200596272	320857	OER-100-93	Curium-242	TRG		U	AM05RCM	LB1	-0.00555	0.00769	PCI/G	0	U		30/03/2004	7:36	0.032	PCI/G	0.0108	PCI/G	1	0	PR		
	04-0719	1200596272	320857	OER-101-57	Curium-243/244	TRG		U	AM05RCM	LB1	-0.0078	0.0193	PCI/G	0	U		30/03/2004	7:36	0.0502	PCI/G	0.02	PCI/G	1	0	PR		
3100-0000-178-C-4C-02	04-0719	1200596273	320857	14596-10-2	Americium-241	TRG		U	AM05RCM	LR3	0.0113	0.0248	PCI/G	0	U		30/03/2004	7:36	0.0485	PCI/G	0.0195	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	1200596273	320857	OER-100-93	Curium-242	TRG		U	AM05RCM	LR3	0.0011	0.0095	PCI/G	0	U		30/03/2004	7:36	0.0262	PCI/G	0.00777	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	1200596273	320857	OER-101-57	Curium-243/244	TRG		U	AM05RCM	LR3	-0.00756	0.00856	PCI/G	0	U		30/03/2004	7:36	0.0334	PCI/G	0.012	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	1200596274	320857	14596-10-2	Americium-241	TRG		U	AM05RCM	MS3	8.7	0.528	PCI/G	0			30/03/2004	7:36	0.0689	PCI/G	0.0232	PCI/G	1	5	8.87	PR	
3100-0000-178-C-4C-02	04-0719	1200596274	320857	OER-100-93	Curium-242	TRG		U	AM05RCM	MS3	0	0.0183	PCI/G	0	U		30/03/2004	7:36	0.0254	PCI/G	0	PCI/G	1	5	PR		
3100-0000-178-C-4C-02	04-0719	1200596274	320857	OER-101-57	Curium-243/244	TRG		U	AM05RCM	MS3	12.6	0.634	PCI/G	0			30/03/2004	7:36	0.069	PCI/G	0.0232	PCI/G	1	5	11.6	PR	
	04-0719	1200596275	320857	14596-10-2	Americium-241	TRG		U	AM05RCM	BS1	5.38	0.284	PCI/G	0			30/03/2004	7:36	0.0371	PCI/G	0.0133	PCI/G	1	0	5.37	PR	
	04-0719	1200596275	320857	OER-100-93	Curium-242	TRG		U	AM05RCM	BS1	0.01	0.0173	PCI/G	0	U		30/03/2004	7:36	0.0325	PCI/G	0.011	PCI/G	1	0	PR		
	04-0719	1200596275	320857	OER-101-57	Curium-243/244	TRG		U	AM05RCM	BS1	7.04	0.325	PCI/G	0			30/03/2004	7:36	0.0412	PCI/G	0.0154	PCI/G	1	0	7.01	PR	

GENERAL ENGINEERING LABORATORIES, LLC
a Member of THE GEL GROUP, INC.
Meeting Today's Needs with a Vision for Tomorrow

June 17, 2004

Mr. Pete Hollenbeck
Connecticut Yankee Atomic Power
Haddam Neck Plant 362 Injun Hollow Road
East Hampton, Connecticut 06424

RE: PO# 002337-Pete Hollenbeck
Work Orders: 113280 & 113667
SDG: MSR#04-1488

BCY-SSWP-04-01-002 Rev. 1
SML 185
186

Dear Mr. Hollenbeck:

General Engineering Laboratories, LLC (GEL) appreciates the opportunity to provide the following analytical results for the sample(s) we received on May 26, 2004. Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time.

This data report has been prepared and reviewed in accordance with GEL's standard operating procedures. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4475.

Sincerely,

Sarah Kozlik
Project Manager

Purchase Order: 002337
Chain of Custody: 2004-00078
Enclosures

P.O. Box 30712 • Charleston, SC 29417 • 2040 Savage Road (29407)
Phone (843) 556-8171 • Fax (843) 766-1178 • www.gel.com

CONNECTICUT YANKEE
PO# 002337-Pete Hollenbeck
Work Orders: 113280 & 113667
SDG: MSR#04-1488

113280001	3100-0000-186-C-1C-01
113280002	3100-0000-186-C-1C-02
113280003	3100-0000-186-C-1C-03
113280004	3100-0000-186-C-1C-04
113280005	3100-0000-186-C-1C-05
113280006	3100-0000-186-C-1C-06
113280007	3100-0000-186-C-1C-07
113280008	3100-0000-185-C-1C-01
113280009	3100-0000-185-C-1C-02
113280010	3100-0000-185-C-1C-03
113280011	3100-0000-185-C-1C-04
113280012	3100-0000-185-C-1C-05
113280013	3100-0000-185-C-1C-06
113280014	3100-0000-185-C-1C-07
113280015	3100-0000-185-C-1C-08

113667001	3100-0000-186-C-1C-01
113667002	3100-0000-185-C-1C-01
113667003	3100-0000-186-C-1C-01
113667004	3100-0000-185-C-1C-01

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CASE NARRATIVE

CASE NARRATIVE
For
CONNECTICUT YANKEE
RE: PO# 002337-Pete Hollenbeck
Work Orders: 113280 & 113667
SDG: MSR#04-1488

June 17, 2004

Laboratory Identification:
General Engineering Laboratories, LLC

Mailing Address:
P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:
2040 Savage Road
Charleston, South Carolina 29407

Telephone Number:
(843) 556-8171

Summary:

Sample receipt

The samples for the Concrete Project for work orders 113280 and 113667 arrived at General Engineering Laboratories, LLC, (GEL) in Charleston, South Carolina May 19, 2004 for environmental analysis. All sample containers arrived without any visible signs of tampering or breakage. The chain of custody contained the proper documentation and signatures.

The laboratory received the following samples:

3100-0000-186-C-1C-01
3100-0000-186-C-1C-02
3100-0000-186-C-1C-03
3100-0000-186-C-1C-04
3100-0000-186-C-1C-05
3100-0000-186-C-1C-06
3100-0000-186-C-1C-07
3100-0000-185-C-1C-01
3100-0000-185-C-1C-02
3100-0000-185-C-1C-03
3100-0000-185-C-1C-04
3100-0000-185-C-1C-05
3100-0000-185-C-1C-06
3100-0000-185-C-1C-07
3100-0000-185-C-1C-08

Items of Note:

There are no items to note.

Case Narrative:

Sample analyses were conducted using methodology as outlined in General Engineering Laboratories (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are listed below by analytical parameter.

Analytical Request:

Thirteen concrete samples were analyzed for CHGAM. Two concrete samples were analyzed for CHALL before and after a SPLP extraction

Internal Chain of Custody:

Custody was maintained for all of these samples.

Data Package:

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Laboratory Certifications, and Radiochemistry.

I certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

Sarah Kozlik
Project Manager

CHAIN OF CUSTODY

Chain of Custody Form

No. 2004-00078

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

113280%

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik

Priority: ☒ 30 D. ☐ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

	Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	CHALL	SPLP – See Notes				Comment, Preservation	Lab Sample ID
001	3100-0000-186-C-1C-01	4/29/04	1115	CT	CR	BP		X	X				contains PCB's (<400 ppm)	
002	3100-0000-186-C-1C-02	4/29/04	1115	CT	CR	BP	X						contains PCB's (<400 ppm)	
003	3100-0000-186-C-1C-03	4/29/04	1115	CT	CR	BP	X						contains PCB's (<400 ppm)	
004	3100-0000-186-C-1C-04	4/29/04	1115	CT	CR	BP	X						contains PCB's (<400 ppm)	
005	3100-0000-186-C-1C-05	4/29/04	1115	CT	CR	BP	X						contains PCB's (<400 ppm)	
006	3100-0000-186-C-1C-06	4/29/04	1115	CT	CR	BP	X						contains PCB's (<400 ppm)	
007	3100-0000-186-C-1C-07	4/29/04	1115	CT	CR	BP	X						contains PCB's (<400 ppm)	
													contains PCB's (<400 ppm)	

PO #: 002337 MSR #: 04-1488 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

NOTES: 3100-0000-186-C-1C-01 contains two (2) concrete core pieces; combine and analyze.

SPLP: CHALL on liquid extraction; Analyze to GW MDC's.

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____

841828038309
Bill of Lading #

Internal Container Temp: 23.9 Deg. C
Custody Sealed? Y ✓ N ☐
Custody Seal Intact? Y ✓ N ☐
*no custody tape

1) Relinquished By: Donella	Date/Time: 5/18/04 1020
2) Received By: [signature]	Date/Time: 5/19/04 9:00
3) Relinquished By	Date/Time
4) Received By	Date/Time
5) Relinquished By	Date/Time
6) Received By	Date/Time

Chain of Custody Form

No. 2004-00077

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

113280%

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik

Priority: ☒ 30 D. ☐ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	CHALL	SPLP – See Notes				Comment, Preservation	Lab Sample ID
3100-0000-185-C-1C-01	5/3/04	0845	CT	CR	BP		X	X				contains PCB's (<400 ppm)	
3100-0000-185-C-1C-02	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-185-C-1C-03	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-185-C-1C-04	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-185-C-1C-05	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-185-C-1C-06	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-185-C-1C-07	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-185-C-1C-08	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	

PO #: 002337 MSR #: 04-1488 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

NOTES: 3100-0000-185-C-1C-01 contains two (2) concrete core pieces; combine and analyze.

SPLP: CHALL on liquid extraction; Analyze to GW MDC's.

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
8418283830 9
Bill of Lading #

Internal Container Temp. 23.0 Deg. C
Custody Sealed? Y ☑ N ☐
Custody Seal Intact? Y ☑ N ☐
no custody tape

1) Relinquished By: Doullar	Date/Time: 5/18/04 1020
2) Received By: [signature]	Date/Time: 5-19-04 9:00
3) Relinquished By	Date/Time
4) Received By	Date/Time
5) Relinquished By	Date/Time
6) Received By	Date/Time

COOLER RECEIPT CHECKLIST

Figure 1. Sample Check-in List

Date/Time Received: 5-19-04 9:00

SDG#: MSR 04-1488

Work Order Number:

Shipping Container ID: 8418 2803 8309 Chain of Custody # 2004-00078 2004-00077

1. Custody Seals on shipping container intact? Yes [ ] No [✓]
2. Custody Seals dated and signed? Yes [ ] No [✓]
3. Chain-of-Custody record present? Yes [✓] No [ ]
4. Cooler temperature 23.0°C
5. Vermiculite/packing materials is: Wet [ ] Dry [ ]
6. Number of samples in shipping container: 15
7. Sample holding times exceeded? Yes [ ] No [ ]

8. Samples have:

✓ tape _____ hazard labels

_____ custody seals _____ appropriate sample labels

9. Samples are:

✓ in good condition _____ leaking

_____ broken _____ have air bubbles

10. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
11. Description of anomalies (include sample numbers):

Sample Custodian/Laboratory: [signature] Date: 5-19-04

Telephoned to: _____ On _____ By _____

SAMPLE RECEIPT & REVIEW FORM

GEL LABORATORIES, LLC

PM use only

Client:	SDG/ARCOC/Work Order:
Date Received:	PM(A) Review (ensure non-conforming items are resolved prior to signing):
Received By:	

	Sample Receipt Criteria	Conforming	NA	Non-Conforming	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?				Circle Applicable: seals broken damaged container leaking container other (describe)
2	Samples requiring cold preservation within (4+/- 2 C)? Record preservation method.				ice bags blue ice dry ice none other(describe)
3	Chain of custody documents included with shipment?				
4	Sample containers intact and sealed?				Circle Applicable: seals broken damaged container leaking container other (describe)
5	Samples requiring chemical preservation at proper pH?				Sample ID's, containers affected and observed pH:
6	VOA vials free of headspace (defined as < 6mm bubble)?				Sample ID's and containers affected:
7	Samples received within holding time?				Id's and tests affected:
8	Sample ID's on COC match ID's on bottles?				Sample ID's and containers affected:
9	Date & time on COC match date & time on bottles?				Sample ID's affected:
10	Number of containers received match number indicated on COC?				Sample ID's affected:
11	COC form is properly signed in relinquished/received sections?				
12	Air Bill & Tracking #'s				

Radiological Information	Non-RAD	RAD	RADIOACTIVE	RSO RAD Receipt #:
What is the radiological classification of the samples?				Comments:
Radioactivity Screening Results (maximum observed CPM)		/100 cpm		*If > x2 area background is observed on a non-radioactive sample, contact the RSO to investigate

RADIOLOGICAL ANALYSIS

Radiochemistry Case Narrative
Connecticut Yankee Atomic Power Co. (YANK)
SDG MSR#04-1488

Method/Analysis Information

Product:	**Alphaspec Am241, Cm, Solid-TRU2,ALL2 (CT)**
Analytical Method:	DOE EML HASL-300, Am-05-RC Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	337640
Prep Batch Number:	336825
Dry Soil Prep GL-RAD-A-021 Batch Number:	336824

Sample ID	Client ID
113280001	3100-0000-186-C-1C-01
113280008	3100-0000-185-C-1C-01
1200635528	Method Blank (MB)
1200635531	Laboratory Control Sample (LCS)
1200635529	113280001(3100-0000-186-C-1C-01) Sample Duplicate (DUP)
1200635530	113280001(3100-0000-186-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-011 REV# 13.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113280001 (3100-0000-186-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information

All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Sample 1200635530 (3100-0000-186-C-1C-01) was recounted due to a peak shift.
Samples 113280008 (3100-0000-185-C-1C-01) and 1200635529 (3100-0000-186-C-1C-01) were recounted due to poor resolution.
Samples 113280008 (3100-0000-185-C-1C-01), 1200635529 (3100-0000-186-C-1C-01) and 1200635530 (3100-0000-186-C-1C-01) was reprecipated and refiltered due to poor resolution.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Manual Integration
Manual intergrations of alpha spectroscopy spectra 113280008 (3100-0000-185-C-1C-01), 1200635529 (3100-0000-186-C-1C-01), 1200635530 (3100-0000-186-C-1C-01) and 1200635531 (LCS) were performed to fully separate counts in Regions of Interest which would have been biased.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Pu241, Solid-TRU2,ALL2 (CT)**
Analytical Method:	DOE EML HASL-300, Pu-11-RC Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	337634
Prep Batch Number:	336825
Dry Soil Prep GL-RAD-A-021 Batch Number:	336824

Sample ID	Client ID
113280001	3100-0000-186-C-1C-01
113280008	3100-0000-185-C-1C-01
1200635524	Method Blank (MB)
1200635527	Laboratory Control Sample (LCS)
1200635525	113280001(3100-0000-186-C-1C-01) Sample Duplicate (DUP)
1200635526	113280001(3100-0000-186-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-035 REV# 5.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry

All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113280001 (3100-0000-186-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Alphaspec Pu, Solid-TRU2,ALL2 (CT)**
Analytical Method:	DOE EML HASL-300, Pu-11-RC Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	337644
Prep Batch Number:	336825
Dry Soil Prep GL-RAD-A-021 Batch Number:	336824

Sample ID	**Client ID**
113280001	3100-0000-186-C-1C-01
113280008	3100-0000-185-C-1C-01
1200635532	Method Blank (MB)
1200635535	Laboratory Control Sample (LCS)
1200635533	113280001(3100-0000-186-C-1C-01) Sample Duplicate (DUP)
1200635534	113280001(3100-0000-186-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-011 REV# 13.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113280001 (3100-0000-186-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Sample 1200635532 (MB) was recounted due to a peak shift.
Sample 113280008 (3100-0000-185-C-1C-01) was recounted due to detector error.
Sample 1200635533 (3100-0000-186-C-1C-01) was recounted due to poor resolution.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Additional Comments
Peak integrations were performed on sample 113280008 (3100-0000-185-C-1C-01). Original data is included.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)**
Analytical Method:	EML HASL 300, 4.5.2.3
Prep Method:	Dry Soil Prep
Analytical Batch Number:	335643
Prep Batch Number:	335122

Sample ID	Client ID
113280001	3100-0000-186-C-1C-01
113280002	3100-0000-186-C-1C-02
113280003	3100-0000-186-C-1C-03
113280004	3100-0000-186-C-1C-04
113280005	3100-0000-186-C-1C-05
113280006	3100-0000-186-C-1C-06
113280007	3100-0000-186-C-1C-07
113280008	3100-0000-185-C-1C-01
113280009	3100-0000-185-C-1C-02
113280010	3100-0000-185-C-1C-03
113280011	3100-0000-185-C-1C-04
113280012	3100-0000-185-C-1C-05
113280013	3100-0000-185-C-1C-06
113280014	3100-0000-185-C-1C-07
113280015	3100-0000-185-C-1C-08
1200630675	Method Blank (MB)
1200630677	Laboratory Control Sample (LCS)
1200630676	113280002(3100-0000-186-C-1C-02) Sample Duplicate (DUP)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-013 REV# 10.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113280002 (3100-0000-186-C-1C-02).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. The following NCR was generated for this SDG:
NCR 118232 was generated due to Non-Rad samples analyzed with Rad Samples. Sample 113282021, which is non-rad, was analyzed with rad samples. Sample was prepared for gamma analysis independent of Rad samples. The batch results were reviewed and verification that no cross contamination is evident in the non-rad sample. Reporting results.

Qualifier information

Qualifier	Reason	Analyte	Sample
UI	Data rejected due to low abundance.	Bismuth-212	113280014
		Cesium-134	113280002
			113280004
			113280009
			113280012
			1200630676
		Europium-154	113280001
			113280007
		Thallium-208	113280005
UI	Data rejected due to no valid peak.	Cesium-137	113280003
			113280006
		Cobalt-60	113280013
			113280014
		Thallium-208	1200630675

Method/Analysis Information

Product:	**GFPC, Sr90, solid-HTD2,ALL2 (CT)**
Analytical Method:	EPA 905.0 Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	339054
Prep Batch Number:	336825
Dry Soil Prep GL-RAD-A-021 Batch Number:	336824

Sample ID	Client ID
113280001	3100-0000-186-C-1C-01
113280008	3100-0000-185-C-1C-01
1200638870	Method Blank (MB)
1200638873	Laboratory Control Sample (LCS)
1200638871	113280001(3100-0000-186-C-1C-01) Sample Duplicate (DUP)
1200638872	113280001(3100-0000-186-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in

accordance with GL-RAD-A-004 REV# 8.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113280001 (3100-0000-186-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Additional Comments
Samples 113280001 (3100-0000-186-C-1C-01), 113280008 (3100-0000-185-C-1C-01) and 1200638871 (3100-0000-186-C-1C-01) were verified by recounting at least five days from the initial count date.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)**
Analytical Method:	DOE EML HASL-300, Tc-02-RC Modified
Prep Method:	GL-RAD-A-026

Analytical Batch Number:	339601
Prep Batch Number:	334870

Sample ID	Client ID
113280001	3100-0000-186-C-1C-01
113280008	3100-0000-185-C-1C-01
1200640184	Method Blank (MB)
1200640187	Laboratory Control Sample (LCS)
1200640185	113724002(SWASA5N7802ND) Sample Duplicate (DUP)
1200640186	113724002(SWASA5N7802ND) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-005 REV# 11.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113724002 (SWASA5N7802ND).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Sample 113280008 (3100-0000-185-C-1C-01) was recounted to verify activity.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Fe55, Solid-HTD2,ALL2 (CT)**
Analytical Method:	DOE RESL Fe-1, Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	338964
Prep Batch Number:	336825
Dry Soil Prep GL-RAD-A-021 Batch Number:	336824

Sample ID	Client ID
113280001	3100-0000-186-C-1C-01
113280008	3100-0000-185-C-1C-01
1200638664	Method Blank (MB)
1200638667	Laboratory Control Sample (LCS)
1200638665	113280001(3100-0000-186-C-1C-01) Sample Duplicate (DUP)
1200638666	113280001(3100-0000-186-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-040 REV# 2.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113280001 (3100-0000-186-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Sample 1200638666 (3100-0000-186-C-1C-01) was recounted due to low/high recovery.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. The following NCR was generated for this SDG:
NCR 119858 was generated due to Failed Recovery for LCS/MS/PS. 1. The matrix spike 1200638666 did not meet the recovery requirements due to the non-homogenous matrix of the sample. 1. Reporting results.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Ni63, Solid-HTD2,ALL2 (CT)**
Analytical Method:	DOE RESL Ni-1, Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	338970
Prep Batch Number:	336825
Dry Soil Prep GL-RAD-A-021 Batch Number:	336824

Sample ID	Client ID
113280001	3100-0000-186-C-1C-01
113280008	3100-0000-185-C-1C-01
1200638677	Method Blank (MB)
1200638680	Laboratory Control Sample (LCS)
1200638678	113280001(3100-0000-186-C-1C-01) Sample Duplicate (DUP)
1200638679	113280001(3100-0000-186-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-022 REV# 6.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC

The following sample was used for QC: 113280001 (3100-0000-186-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Sample 1200638679 (3100-0000-186-C-1C-01) was recounted due to low/high recovery.

Miscellaneous Information:

NCR Documentation
NCR 120139. Analyst did not scan the samples for this batch into their custody. The analyst maintained custody of the samples throughout the analysis, and has been corrected on proper scanning procedures. Reporting results.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)**
Analytical Method:	EPA 906.0 Modified
Prep Method:	GL-RAD-A-026
Analytical Batch Number:	339615
Prep Batch Number:	334870

Sample ID	Client ID
113280001	3100-0000-186-C-1C-01
113280008	3100-0000-185-C-1C-01
1200640229	Method Blank (MB)
1200640232	Laboratory Control Sample (LCS)
1200640230	113724001(SWASA5N7802NC) Sample Duplicate (DUP)
1200640231	113724001(SWASA5N7802NC) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-002 REV# 9.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry

All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113724001 (SWASA5N7802NC).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint C14, Solid-HTD2,ALL2 (CT)**
Analytical Method:	EPA EERF C-01 Modified
Prep Method:	GL-RAD-A-026
Analytical Batch Number:	338894
Prep Batch Number:	334870

Sample ID	Client ID
113280001	3100-0000-186-C-1C-01
113280008	3100-0000-185-C-1C-01
1200638587	Method Blank (MB)
1200638590	Laboratory Control Sample (LCS)
1200638588	113280008(3100-0000-185-C-1C-01) Sample Duplicate (DUP)
1200638589	113280008(3100-0000-185-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-003 REV# 7.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113280008 (3100-0000-185-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. The following NCR was generated for this SDG:
NCR 119960 was generated due to Failed Recovery for LCS/MS/PS, Failure to maintain Custody and Failed RPD for DUP. 1. The matrix spike 1200638589 does not meet the recovery requirements. The matrix spike does meet requirements when the duplicate is used to calculate the recovery. 2. Samples 113280008 and 1200638588 do not meet the relative percent difference requirement due to the non homogenous matrix of the samples. 3. The analyst did not scan the samples 113280001, 008 into the batch prior to analysis, however the samples did remain in their custody at all times. The error has been corrected and the analyst has been instructed on proper scanning procedures. 1. Reporting results. 1. Reporting results. 1. Reporting results.

Qualifier information
Manual qualifiers were not required.

Certification Statement
Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation:
GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.

The following data validator verified the information presented in this case narrative:

Reviewer: Alexander Cecere 6/17/04

General Engineering Laboratories
Form GEL-XXX
Rev. 06/02

NCR Report No.: 119858
Revision No.:

COMPANY - WIDE NONCONFORMANCE REPORT

Mo.Day Yr. 16-JUN-04	**Division:** Radiochemistry		**Type:** Process
Instrument Type: LSC	**Quality Criteria:** Specifications		**Client Code:** YANK
Test / Method: DOE RESL Fe-1, Modified	**Matrix Type:** Solid	**Batch ID:** 338964	**Sample Numbers:** See Below

Potentially affected work order(s)(SDG): 113280(MSR#04-1488)

Application Issues:

Failed Recovery for LCS/MS/PS

Specification and Requirements Nonconformance Description:	**NRG Disposition:**
1. The matrix spike 1200638666 did not meet the recovery requirments due to the non homogenous matrix of the sample.	1. Reporting results.

Originator's Name:
Melanie Aycock 16-JUN-04

Data Validator/Group Leader:
Joseph Jones 16-JUN-04

Quality Review:

Corrective Action:

Director:

Corrective Action ID and Complete Date:

General Engineering Laboratories
Form GEL-XXX
Rev. 06/02

NCR Report No.: 118232
Revision No.: 1

COMPANY - WIDE NONCONFORMANCE REPORT

Mo.Day Yr. 10-JUN-04	**Division:** Radiochemistry		**Type:** Process
Instrument Type: GAMMA SPECTROMETER	**Quality Criteria:** Specifications		**Client Code:** YANK
Test / Method: EML HASL 300, 4.5.2.3	**Matrix Type:** Solid	**Batch ID:** 335643	**Sample Numbers:** See Below

Potentially affected work order(s)(SDG): 113280(MSR#04-1488),113282(MSR#04-1559)

Application Issues:

Non-Rad samples analyzed with Rad Samples

Specification and Requirements Nonconformance Description:	**NRG Disposition:**
Sample 113282021, which is non-rad, was analyzed with rad samples.	Sample was prepared for gamma analysis independant of Rad samples. The batch results were reviewed and verification that no cross contamination is evident in the non-rad sample. Reporting results.

Originator's Name:
michael hilton 10-JUN-04

Data Validator/Group Leader:
Scott Baskett 10-JUN-04

Quality Review:
Lonnie Morris 11-JUN-04

Corrective Action:

Director:

Corrective Action ID and Complete Date:

General Engineering Laboratories
Form GEL-XXX
Rev. 06/02

NCR Report No.: 120139
Revision No.:

COMPANY - WIDE NONCONFORMANCE REPORT

Mo.Day Yr. 16-JUN-04	**Division:** Radiochemistry		**Type:** Process
Instrument Type: GFPC	**Quality Criteria:** Specifications		**Client Code:** KERR
Test / Method: DOE RP280 Modified	**Matrix Type:** Filter	**Batch ID:** 340198	**Sample Numbers:** See Below

Potentially affected work order(s)(SDG): 114001

Application Issues:

Failure to maintain Custody

Specification and Requirements Nonconformance Description:	**NRG Disposition:**
1. Analyst did not scan the samples for this batch into their custody. The analyst maintained custody of the samples throughout the analysis, and has been corrected on proper scanning procedures.	1. Reporting results.

Originator's Name:
Joseph Jones 16-JUN-04

Data Validator/Group Leader:
Scott Moreland 16-JUN-04

Quality Review:

Corrective Action:

Director:

Corrective Action ID and Complete Date:

General Engineering Laboratories
Form GEL-XXX
Rev. 06/02

NCR Report No.: 119960
Revision No.:

COMPANY - WIDE NONCONFORMANCE REPORT

Mo.Day Yr. 16-JUN-04	**Division:** Radiochemistry		**Type:** Process
Instrument Type: LSC	**Quality Criteria:** Specifications		**Client Code:** WSMS, YANK
Test / Method: EPA EERF C-01 Modified	**Matrix Type:** Solid	**Batch ID:** 338894	**Sample Numbers:** See Below

Potentially affected work order(s)(SDG): 113280(MSR#04-1488),113724

Application Issues:

Failed Recovery for LCS/MS/PS

Failure to maintain Custody

Failed RPD for DUP

Specification and Requirements Nonconformance Description:	**NRG Disposition:**
1. The matrix spike 1200638589 does not meet the recovery requirements. The matrix spike does meet requirements when the duplicate is used to calculate the recovery.	1. Reporting results.
2. Samples 113280008 and 1200638588 do not meet the relative percent difference requirement due to the non homogenous matrix of the samples.	1. Reporting results.
3. The analyst did not scan the samples 113280001, 008 into the batch prior to analysis, however the samples did remain in their custody at all times. The error has been corrected and the analyst has been instructed on proper scanning procedures.	1. Reporting results.

Originator's Name:
Melanie Aycock 16-JUN-04

Data Validator/Group Leader:
Joseph Jones 16-JUN-04

Quality Review:

Corrective Action:

Director:

Corrective Action ID and Complete Date:

SAMPLE DATA SUMMARY

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-186-C-1C-01	Project:	YANK00204
Sample ID:	113280001	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	29-APR-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	6.9%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2,ALL2 (CT)													
Americium-241		0.741	+/-0.148	0.0212	+/-0.182	0.063	pCi/g		JAS1	06/08/04	1232	337640	1
Curium-242	U	-0.013	+/-0.0104	0.0252	+/-0.0106	0.0748	pCi/g						
Curium-243/244		0.110	+/-0.0628	0.0288	+/-0.0646	0.0783	pCi/g						
Alphaspec Pu, Solid-TRU2,ALL2 (CT)													
Plutonium-238		0.632	+/-0.132	0.0283	+/-0.146	0.0751	pCi/g		JAS1	06/08/04	1232	337644	2
Plutonium-239/240		0.242	+/-0.081	0.0136	+/-0.0846	0.0457	pCi/g						
Liquid Scint Pu241, Solid-TRU2,ALL2 (CT)													
Plutonium-241		9.86	+/-2.49	1.80	+/-2.66	3.71	pCi/g		JAS1	06/09/04	2200	337634	3
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228	U	0.282	+/-0.322	0.258	+/-0.316	0.520	pCi/g		SRB	06/06/04	2216	335643	4
Americium-241		1.22	+/-0.640	0.450	+/-0.627	0.902	pCi/g						
Bismuth-212	U	-0.0204	+/-0.484	0.411	+/-0.474	0.827	pCi/g						
Bismuth-214	U	0.227	+/-0.176	0.153	+/-0.173	0.307	pCi/g						
Cesium-134		1.25	+/-0.183	0.0645	+/-0.180	0.130	pCi/g						
Cesium-137		584	+/-44.1	0.0863	+/-43.2	0.173	pCi/g						
Cobalt-60		70.9	+/-4.87	0.0389	+/-4.77	0.079	pCi/g						
Europium-152	U	-0.228	+/-0.353	0.299	+/-0.346	0.599	pCi/g						
Europium-154	U UI	0.00	+/-0.220	0.113	+/-0.216	0.230	pCi/g						
Europium-155	U	-0.0458	+/-0.252	0.236	+/-0.247	0.472	pCi/g						
Lead-212		0.418	+/-0.201	0.154	+/-0.197	0.309	pCi/g						
Lead-214	U	0.368	+/-0.336	0.218	+/-0.329	0.436	pCi/g						
Manganese-54	U	-0.02	+/-0.0753	0.0628	+/-0.0738	0.126	pCi/g						
Niobium-94	U	-0.0394	+/-0.0522	0.044	+/-0.0511	0.0887	pCi/g						
Potassium-40		7.68	+/-0.939	0.236	+/-0.921	0.484	pCi/g						
Radium-226	U	0.227	+/-0.176	0.149	+/-0.173	0.300	pCi/g						
Silver-108m	U	-0.0435	+/-0.140	0.125	+/-0.138	0.251	pCi/g						
Thallium-208	U	0.0594	+/-0.116	0.0874	+/-0.114	0.175	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2,ALL2 (CT)													
Strontium-90		0.952	+/-0.0247	0.00559	+/-0.231	0.0116	pCi/g		HOB1	06/12/04	0616	339054	5
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)													
Tritium		1170	+/-23.2	2.98	+/-67.8	5.96	pCi/g		JLB1	06/11/04	0615	339615	6

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Certificate of Analysis

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-186-C-1C-01
Sample ID: 113280001

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14		25.4	+/-1.06	0.258	+/-1.13	0.544	pCi/g		HOB1	06/11/04	0014	338894	7
Liquid Scint Fe55, Solid-HTD2,ALL2 (CT)													
Iron-55		10.2	+/-3.50	1.31	+/-3.53	2.75	pCi/g		JLB1	06/11/04	1117	338964	9
Liquid Scint Ni63, Solid-HTD2,ALL2 (CT)													
Nickel-63		1620	+/-31.6	2.29	+/-44.8	5.02	pCi/g		JLB1	06/10/04	0420	338970	10
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	0.330	+/-0.537	0.444	+/-0.537	0.906	pCi/g		DAJ1	06/16/04	0935	339601	11
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	MJM1	05/28/04	0938	336825
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/27/04	1402	336824
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Pu-11-RC Modified
3	DOE EML HASL-300, Pu-11-RC Modified
4	EML HASL 300, 4.5.2.3
5	EPA 905.0 Modified
6	EPA 906.0 Modified
7	EPA EERF C-01 Modified
8	EPA EERF C-01 Modified
9	DOE RESL Fe-1, Modified
10	DOE RESL Ni-1, Modified
11	DOE EML HASL-300, Tc-02-RC Modified
12	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TRU	82	(25%-125%)

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-186-C-1C-01
Sample ID: 113280001

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Plutonium-242		Alphaspec Pu, Solid-TRU2,ALL2			92						
Carrier/Tracer Recovery		Liquid Scint Pu241, Solid-TRU2,A			79						
Carrier/Tracer Recovery		GFPC, Sr90, solid-HTD2,ALL2 (C			92		(25%-125%)				
Carrier/Tracer Recovery		Liquid Scint Fe55, Solid-HTD2,AI			61						
Carrier/Tracer Recovery		Liquid Scint Ni63, Solid-HTD2,AI			81						
Carrier/Tracer Recovery		Liquid Scint Tc99, Solid-HTD2,AI			60						

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

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-186-C-1C-02	Project:	YANK00204
Sample ID:	113280002	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	29-APR-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	9.21%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)											
Actinium-228		0.490	+/-0.0971	0.0324	+/-0.0952	0.0682	pCi/g		SRB 06/06/04	2216	335643 1
Americium-241	U	0.0171	+/-0.0464	0.0406	+/-0.0455	0.083	pCi/g				
Bismuth-212		0.270	+/-0.142	0.0692	+/-0.139	0.145	pCi/g				
Bismuth-214		0.462	+/-0.0641	0.0183	+/-0.0629	0.038	pCi/g				
Cesium-134	U UI	0.00	+/-0.018	0.0114	+/-0.0176	0.0238	pCi/g				
Cesium-137		1.59	+/-0.112	0.00887	+/-0.110	0.0186	pCi/g				
Cobalt-60	U	0.011	+/-0.0121	0.0108	+/-0.0119	0.023	pCi/g				
Europium-152	U	-0.0109	+/-0.0336	0.0279	+/-0.0329	0.0574	pCi/g				
Europium-154	U	-0.0253	+/-0.0318	0.0249	+/-0.0312	0.0534	pCi/g				
Europium-155	U	-0.00384	+/-0.0294	0.0271	+/-0.0288	0.0554	pCi/g				
Lead-212		0.488	+/-0.0554	0.016	+/-0.0543	0.0327	pCi/g				
Lead-214		0.525	+/-0.0717	0.0198	+/-0.0703	0.0408	pCi/g				
Manganese-54	U	0.00134	+/-0.0108	0.00905	+/-0.0106	0.019	pCi/g				
Niobium-94	U	0.00543	+/-0.00968	0.00844	+/-0.00949	0.0176	pCi/g				
Potassium-40		8.27	+/-0.744	0.0748	+/-0.729	0.163	pCi/g				
Radium-226		0.462	+/-0.0641	0.0183	+/-0.0629	0.038	pCi/g				
Silver-108m	U	-0.0113	+/-0.0115	0.00983	+/-0.0113	0.0203	pCi/g				
Thallium-208		0.170	+/-0.0287	0.00908	+/-0.0281	0.0189	pCi/g				
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1648	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-186-C-1C-02
Sample ID: 113280002

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-186-C-1C-03	Project:	YANK00204
Sample ID:	113280003	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	29-APR-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	6.16%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.508	+/-0.262	0.0847	+/-0.257	0.180	pCi/g		SRB	06/06/04	2217	335643	1
Americium-241	U	0.110	+/-0.150	0.099	+/-0.147	0.204	pCi/g						
Bismuth-212	U	0.266	+/-0.429	0.181	+/-0.420	0.382	pCi/g						
Bismuth-214		0.469	+/-0.133	0.0396	+/-0.131	0.0833	pCi/g						
Cesium-134	U	0.0212	+/-0.0412	0.0261	+/-0.0404	0.0553	pCi/g						
Cesium-137	U	0.00	+/-0.0419	0.0208	+/-0.041	0.0441	pCi/g						
	UI												
Cobalt-60	U	0.051	+/-0.0357	0.0319	+/-0.0349	0.0686	pCi/g						
Europium-152	U	-0.0106	+/-0.0638	0.0488	+/-0.0625	0.102	pCi/g						
Europium-154	U	0.0339	+/-0.0906	0.0746	+/-0.0888	0.162	pCi/g						
Europium-155	U	0.00408	+/-0.0661	0.0475	+/-0.0648	0.098	pCi/g						
Lead-212		0.562	+/-0.0806	0.0268	+/-0.079	0.0555	pCi/g						
Lead-214		0.584	+/-0.133	0.0332	+/-0.131	0.0694	pCi/g						
Manganese-54	U	-0.0128	+/-0.0293	0.0213	+/-0.0287	0.0456	pCi/g						
Niobium-94	U	-0.00885	+/-0.0262	0.0194	+/-0.0257	0.0411	pCi/g						
Potassium-40		6.44	+/-1.14	0.225	+/-1.12	0.499	pCi/g						
Radium-226		0.469	+/-0.133	0.0396	+/-0.131	0.0833	pCi/g						
Silver-108m	U	-0.0039	+/-0.0208	0.0158	+/-0.0204	0.0334	pCi/g						
Thallium-208		0.176	+/-0.0534	0.0222	+/-0.0523	0.0467	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1648	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-186-C-1C-03
Sample ID: 113280003

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

Notes:
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X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-186-C-1C-04	Project:	YANK00204
Sample ID:	113280004	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	29-APR-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	10.4%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.339	+/-0.143	0.0406	+/-0.140	0.0885	pCi/g		SRB	06/07/04	0952	335643	1
Americium-241	U	0.0861	+/-0.0899	0.0812	+/-0.0881	0.168	pCi/g						
Bismuth-212		0.271	+/-0.188	0.111	+/-0.185	0.237	pCi/g						
Bismuth-214		0.463	+/-0.0813	0.023	+/-0.0796	0.049	pCi/g						
Cesium-134	U	0.00	+/-0.025	0.0173	+/-0.0245	0.0367	pCi/g						
	UI												
Cesium-137		0.0978	+/-0.0351	0.0137	+/-0.0344	0.0292	pCi/g						
Cobalt-60	U	0.0106	+/-0.0176	0.0157	+/-0.0172	0.0342	pCi/g						
Europium-152	U	-0.019	+/-0.0388	0.0316	+/-0.038	0.0666	pCi/g						
Europium-154	U	0.039	+/-0.0506	0.0458	+/-0.0496	0.0993	pCi/g						
Europium-155	U	0.00401	+/-0.0434	0.0404	+/-0.0426	0.0836	pCi/g						
Lead-212		0.533	+/-0.0734	0.0217	+/-0.0719	0.0451	pCi/g						
Lead-214		0.568	+/-0.0859	0.0251	+/-0.0842	0.0527	pCi/g						
Manganese-54	U	0.0117	+/-0.0157	0.0127	+/-0.0154	0.0273	pCi/g						
Niobium-94	U	0.00342	+/-0.0136	0.0113	+/-0.0134	0.0242	pCi/g						
Potassium-40		8.73	+/-0.948	0.115	+/-0.929	0.259	pCi/g						
Radium-226		0.463	+/-0.0813	0.023	+/-0.0796	0.049	pCi/g						
Silver-108m	U	0.00184	+/-0.0131	0.0118	+/-0.0129	0.0248	pCi/g						
Thallium-208		0.206	+/-0.0393	0.0123	+/-0.0385	0.0263	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1648	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-186-C-1C-04
Sample ID: 113280004

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

Notes:
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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-186-C-1C-05
Sample ID: 113280005
Matrix: Misc Solid
Collect Date: 29-APR-04
Receive Date: 19-MAY-04
Collector: Client
Moisture: 9.54%

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.442	+/-0.299	0.119	+/-0.293	0.254	pCi/g		SRB	06/07/04	0954	335643	1
Americium-241	U	0.0743	+/-0.142	0.0963	+/-0.139	0.199	pCi/g						
Bismuth-212	U	0.161	+/-0.307	0.246	+/-0.301	0.522	pCi/g						
Bismuth-214		0.578	+/-0.188	0.0564	+/-0.184	0.119	pCi/g						
Cesium-134	U	0.0336	+/-0.045	0.0366	+/-0.0441	0.0777	pCi/g						
Cesium-137		0.163	+/-0.0828	0.0317	+/-0.0811	0.067	pCi/g						
Cobalt-60	U	0.0266	+/-0.0654	0.0476	+/-0.0641	0.102	pCi/g						
Europium-152	U	0.0308	+/-0.105	0.0785	+/-0.103	0.163	pCi/g						
Europium-154	U	-0.0209	+/-0.122	0.096	+/-0.120	0.210	pCi/g						
Europium-155	U	0.0871	+/-0.109	0.0644	+/-0.107	0.133	pCi/g						
Lead-212		0.597	+/-0.133	0.0429	+/-0.131	0.0886	pCi/g						
Lead-214		0.397	+/-0.168	0.0571	+/-0.164	0.119	pCi/g						
Manganese-54	U	0.0201	+/-0.0442	0.0352	+/-0.0433	0.0747	pCi/g						
Niobium-94	U	0.0248	+/-0.0386	0.0311	+/-0.0378	0.0654	pCi/g						
Potassium-40		7.22	+/-1.51	0.353	+/-1.48	0.772	pCi/g						
Radium-226		0.578	+/-0.188	0.0564	+/-0.184	0.119	pCi/g						
Silver-108m	U	0.0374	+/-0.0348	0.0263	+/-0.0341	0.055	pCi/g						
Thallium-208	U	0.00	+/-0.0916	0.0477	+/-0.0898	0.0987	pCi/g						
	UI												

Solid Preparation

Laboratory Composite

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1648	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-186-C-1C-05
Sample ID: 113280005

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

Notes:
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UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-186-C-1C-06	Project:	YANK00204
Sample ID:	113280006	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	29-APR-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	7.31%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.604	+/-0.137	0.0411	+/-0.134	0.0888	pCi/g		SRB	06/07/04	0955	335643	1
Americium-241	U	0.0235	+/-0.0653	0.0545	+/-0.064	0.112	pCi/g						
Bismuth-212	U	0.191	+/-0.231	0.0961	+/-0.226	0.205	pCi/g						
Bismuth-214		0.458	+/-0.0873	0.023	+/-0.0856	0.0487	pCi/g						
Cesium-134	U	0.0239	+/-0.0229	0.0157	+/-0.0224	0.0333	pCi/g						
Cesium-137	U	0.00	+/-0.053	0.013	+/-0.0519	0.0276	pCi/g						
	UI												
Cobalt-60	U	-0.00458	+/-0.0164	0.0132	+/-0.0161	0.0289	pCi/g						
Europium-152	U	-0.0191	+/-0.0394	0.0338	+/-0.0386	0.0708	pCi/g						
Europium-154	U	0.00605	+/-0.0476	0.0402	+/-0.0467	0.0874	pCi/g						
Europium-155	U	0.0269	+/-0.0451	0.0409	+/-0.0442	0.0842	pCi/g						
Lead-212		0.483	+/-0.0593	0.0215	+/-0.0581	0.0444	pCi/g						
Lead-214		0.540	+/-0.0744	0.0241	+/-0.0729	0.0504	pCi/g						
Manganese-54	U	-0.0063	+/-0.0163	0.0137	+/-0.016	0.0293	pCi/g						
Niobium-94	U	0.00306	+/-0.0144	0.0122	+/-0.0141	0.0258	pCi/g						
Potassium-40		9.08	+/-0.956	0.128	+/-0.937	0.281	pCi/g						
Radium-226		0.458	+/-0.0873	0.023	+/-0.0856	0.0487	pCi/g						
Silver-108m	U	0.00933	+/-0.0129	0.0117	+/-0.0127	0.0246	pCi/g						
Thallium-208		0.183	+/-0.0383	0.0114	+/-0.0375	0.0244	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1648	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-186-C-1C-06
Sample ID: 113280006

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-186-C-1C-07	Project:	YANK00204
Sample ID:	113280007	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	29-APR-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	6.67%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.407	+/-0.108	0.0363	+/-0.106	0.0786	pCi/g		SRB	06/07/04	0956	335643	1
Americium-241	U	-0.0291	+/-0.0938	0.0757	+/-0.092	0.158	pCi/g						
Bismuth-212		0.232	+/-0.155	0.093	+/-0.152	0.198	pCi/g						
Bismuth-214		0.393	+/-0.0642	0.0205	+/-0.0629	0.0434	pCi/g						
Cesium-134	U	0.0194	+/-0.0173	0.0136	+/-0.017	0.0289	pCi/g						
Cesium-137		0.0364	+/-0.020	0.0123	+/-0.0196	0.026	pCi/g						
Cobalt-60	U	0.0206	+/-0.0153	0.0147	+/-0.015	0.0318	pCi/g						
Europium-152	U	-0.0175	+/-0.0334	0.0278	+/-0.0327	0.0585	pCi/g						
Europium-154	U	0.00	+/-0.044	0.0342	+/-0.0431	0.0748	pCi/g						
	UI												
Europium-155	U	0.0251	+/-0.0355	0.0349	+/-0.0348	0.0723	pCi/g						
Lead-212		0.403	+/-0.0515	0.0188	+/-0.0504	0.0391	pCi/g						
Lead-214		0.427	+/-0.0711	0.0208	+/-0.0697	0.0437	pCi/g						
Manganese-54	U	-0.0102	+/-0.0125	0.00971	+/-0.0123	0.0211	pCi/g						
Niobium-94	U	0.00157	+/-0.0114	0.00997	+/-0.0112	0.0212	pCi/g						
Potassium-40		6.71	+/-0.765	0.114	+/-0.750	0.252	pCi/g						
Radium-226		0.393	+/-0.0642	0.0205	+/-0.0629	0.0434	pCi/g						
Silver-108m	U	-0.00602	+/-0.0106	0.00931	+/-0.0104	0.0197	pCi/g						
Thallium-208		0.129	+/-0.029	0.0107	+/-0.0284	0.0228	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1648	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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Report Date: June 17, 2004

Client Sample ID: 3100-0000-186-C-1C-07
Sample ID: 113280007

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-185-C-1C-01	Project:	YANK00204
Sample ID:	113280008	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	03-MAY-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	52.1%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2,ALL2 (CT)													
Americium-241		7.06	+/-0.410	0.0123	+/-0.942	0.0413	pCi/g		JAS1	06/15/04	0901	337640	1
Curium-242	U	0.00747	+/-0.0146	0.00	+/-0.0147	0.0202	pCi/g						
Curium-243/244		1.70	+/-0.202	0.0071	+/-0.287	0.0311	pCi/g						
Alphaspec Pu, Solid-TRU2,ALL2 (CT)													
Plutonium-238		5.08	+/-0.338	0.020	+/-0.593	0.0558	pCi/g		JAS1	06/08/04	2047	337644	2
Plutonium-239/240		1.92	+/-0.208	0.0115	+/-0.277	0.0389	pCi/g						
Liquid Scint Pu241, Solid-TRU2,ALL2 (CT)													
Plutonium-241		54.8	+/-3.27	1.50	+/-5.59	3.10	pCi/g		JAS1	06/09/04	2231	337634	3
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228	U	0.711	+/-0.909	0.774	+/-0.891	1.56	pCi/g		SRB	06/07/04	0957	335643	4
Americium-241		4.16	+/-0.492	0.203	+/-0.483	0.408	pCi/g						
Bismuth-212	U	1.14	+/-1.65	1.28	+/-1.62	2.57	pCi/g						
Bismuth-214	U	0.500	+/-0.451	0.377	+/-0.442	0.757	pCi/g						
Cesium-134		25.5	+/-2.14	0.200	+/-2.10	0.402	pCi/g						
Cesium-137		1270	+/-106	0.198	+/-104	0.397	pCi/g						
Cobalt-60		240	+/-13.5	0.0966	+/-13.2	0.196	pCi/g						
Europium-152	U	-0.259	+/-0.734	0.649	+/-0.720	1.30	pCi/g						
Europium-154		1.86	+/-0.653	0.345	+/-0.640	0.697	pCi/g						
Europium-155	U	-0.0494	+/-0.448	0.401	+/-0.439	0.803	pCi/g						
Lead-212	U	0.246	+/-0.350	0.321	+/-0.343	0.644	pCi/g						
Lead-214	U	0.570	+/-0.600	0.473	+/-0.588	0.947	pCi/g						
Manganese-54	U	0.0491	+/-0.222	0.191	+/-0.217	0.384	pCi/g						
Niobium-94	U	0.0791	+/-0.187	0.142	+/-0.184	0.285	pCi/g						
Potassium-40		8.18	+/-1.45	0.706	+/-1.42	1.44	pCi/g						
Radium-226	U	0.500	+/-0.451	0.373	+/-0.442	0.750	pCi/g						
Silver-108m	U	0.0094	+/-0.329	0.284	+/-0.322	0.568	pCi/g						
Thallium-208	U	0.343	+/-0.263	0.220	+/-0.258	0.441	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2,ALL2 (CT)													
Strontium-90		20.1	+/-0.109	0.00478	+/-4.83	0.00998	pCi/g		HOB1	06/12/04	0658	339054	5
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2,ALL2 (CT)													
Tritium		1400	+/-27.5	1.98	+/-79.7	3.96	pCi/g		JLB1	06/11/04	0620	339615	6
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													

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Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-185-C-1C-01
Sample ID: 113280008

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14		70.0	+/-1.72	0.260	+/-2.04	0.548	pCi/g		HOB1	06/11/04	0046	338894	7
Liquid Scint Fe55, Solid-HTD2,ALL2 (CT)													
Iron-55		74.0	+/-4.58	1.19	+/-5.85	2.50	pCi/g		JLB1	06/11/04	1203	338964	9
Liquid Scint Ni63, Solid-HTD2,ALL2 (CT)													
Nickel-63		415	+/-8.31	1.23	+/-11.6	2.57	pCi/g		JLB1	06/10/04	0433	338970	10
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99		2.84	+/-0.714	0.588	+/-0.721	1.21	pCi/g		DAJ1	06/17/04	1334	339601	11
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	MJM1	05/28/04	0945	337199
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1648	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Pu-11-RC Modified
3	DOE EML HASL-300, Pu-11-RC Modified
4	EML HASL 300, 4.5.2.3
5	EPA 905.0 Modified
6	EPA 906.0 Modified
7	EPA EERF C-01 Modified
8	EPA EERF C-01 Modified
9	DOE RESL Fe-1, Modified
10	DOE RESL Ni-1, Modified
11	DOE EML HASL-300, Tc-02-RC Modified
12	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery %	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TRU	88	(25%-125%)

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Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-185-C-1C-01
Sample ID: 113280008

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Plutonium-242		Alphaspec Pu, Solid-TRU2,ALL2			107						
Carrier/Tracer Recovery		Liquid Scint Pu241, Solid-TRU2,A			94						
Carrier/Tracer Recovery		GFPC, Sr90, solid-HTD2,ALL2 (C			92		(25%-125%)				
Carrier/Tracer Recovery		Liquid Scint Fe55, Solid-HTD2,AI			62						
Carrier/Tracer Recovery		Liquid Scint Ni63, Solid-HTD2,AI			74						
Carrier/Tracer Recovery		Liquid Scint Tc99, Solid-HTD2,AI			61						

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

The above sample is reported on a dry weight basis.
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Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-185-C-1C-02	Project:	YANK00204
Sample ID:	113280009	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	03-MAY-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	0%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.435	+/-0.120	0.049	+/-0.118	0.105	pCi/g		SRB	06/07/04	1114	335643	1
Americium-241	U	0.0515	+/-0.0733	0.0674	+/-0.0718	0.139	pCi/g						
Bismuth-212	U	0.192	+/-0.181	0.114	+/-0.177	0.241	pCi/g						
Bismuth-214		0.356	+/-0.0739	0.0287	+/-0.0725	0.0603	pCi/g						
Cesium-134	U UI	0.00	+/-0.0258	0.0175	+/-0.0253	0.037	pCi/g						
Cesium-137		6.02	+/-0.553	0.0161	+/-0.542	0.0339	pCi/g						
Cobalt-60		0.375	+/-0.0497	0.0134	+/-0.0487	0.0294	pCi/g						
Europium-152		0.152	+/-0.0847	0.0507	+/-0.083	0.105	pCi/g						
Europium-154	U	0.000275	+/-0.0443	0.037	+/-0.0434	0.0811	pCi/g						
Europium-155	U	0.023	+/-0.0499	0.0471	+/-0.0489	0.0966	pCi/g						
Lead-212		0.349	+/-0.055	0.0298	+/-0.0539	0.061	pCi/g						
Lead-214		0.404	+/-0.0957	0.038	+/-0.0938	0.0782	pCi/g						
Manganese-54	U	0.00777	+/-0.0168	0.0152	+/-0.0165	0.0323	pCi/g						
Niobium-94	U	0.00121	+/-0.0148	0.0126	+/-0.0145	0.0266	pCi/g						
Potassium-40		7.12	+/-0.755	0.0936	+/-0.740	0.213	pCi/g						
Radium-226		0.356	+/-0.0739	0.0287	+/-0.0725	0.0603	pCi/g						
Silver-108m	U	0.00345	+/-0.0229	0.0204	+/-0.0224	0.0419	pCi/g						
Thallium-208		0.122	+/-0.0362	0.0179	+/-0.0355	0.0374	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1648	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-185-C-1C-02
Sample ID: 113280009

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

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

The above sample is reported on a dry weight basis.
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-185-C-1C-03	Project:	YANK00204
Sample ID:	113280010	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	03-MAY-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	6.76%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.381	+/-0.114	0.0472	+/-0.112	0.101	pCi/g		SRB	06/07/04	1114	335643	1
Americium-241	U	-0.0864	+/-0.0594	0.0429	+/-0.0582	0.0892	pCi/g						
Bismuth-212		0.269	+/-0.130	0.101	+/-0.127	0.215	pCi/g						
Bismuth-214		0.364	+/-0.0688	0.0213	+/-0.0674	0.0453	pCi/g						
Cesium-134	U	-0.000803	+/-0.0161	0.0133	+/-0.0158	0.0285	pCi/g						
Cesium-137		0.148	+/-0.0377	0.012	+/-0.037	0.0255	pCi/g						
Cobalt-60		0.0934	+/-0.0325	0.0126	+/-0.0319	0.0276	pCi/g						
Europium-152		0.0809	+/-0.0607	0.0281	+/-0.0595	0.059	pCi/g						
Europium-154	U	0.030	+/-0.0442	0.0395	+/-0.0434	0.0858	pCi/g						
Europium-155	U	0.044	+/-0.0342	0.0334	+/-0.0335	0.069	pCi/g						
Lead-212		0.328	+/-0.0447	0.0178	+/-0.0438	0.037	pCi/g						
Lead-214		0.380	+/-0.0713	0.0221	+/-0.0699	0.0463	pCi/g						
Manganese-54	U	0.0148	+/-0.0254	0.012	+/-0.0249	0.0258	pCi/g						
Niobium-94	U	0.0102	+/-0.0128	0.0115	+/-0.0126	0.0243	pCi/g						
Potassium-40		7.66	+/-0.754	0.120	+/-0.739	0.265	pCi/g						
Radium-226		0.364	+/-0.0688	0.0213	+/-0.0674	0.0453	pCi/g						
Silver-108m	U	-0.00434	+/-0.0114	0.00979	+/-0.0111	0.0207	pCi/g						
Thallium-208		0.113	+/-0.0283	0.0122	+/-0.0277	0.0258	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1648	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-185-C-1C-03
Sample ID: 113280010

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

The above sample is reported on a dry weight basis.

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Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-185-C-1C-04	Project:	YANK00204
Sample ID:	113280011	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	03-MAY-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	6.39%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.456	+/-0.150	0.0605	+/-0.147	0.128	pCi/g		SRB	06/07/04	1115	335643	1
Americium-241	U	0.00855	+/-0.0253	0.0224	+/-0.0248	0.046	pCi/g						
Bismuth-212	U	0.145	+/-0.277	0.124	+/-0.272	0.261	pCi/g						
Bismuth-214		0.360	+/-0.0848	0.0292	+/-0.0831	0.0611	pCi/g						
Cesium-134	U	0.0289	+/-0.0352	0.0212	+/-0.0345	0.0443	pCi/g						
Cesium-137		0.119	+/-0.0404	0.0167	+/-0.0396	0.0351	pCi/g						
Cobalt-60		0.0827	+/-0.0365	0.0153	+/-0.0357	0.0331	pCi/g						
Europium-152	U	0.0622	+/-0.0477	0.0417	+/-0.0467	0.0865	pCi/g						
Europium-154	U	-0.0129	+/-0.0603	0.0486	+/-0.0591	0.104	pCi/g						
Europium-155	U	0.0174	+/-0.039	0.0368	+/-0.0382	0.0756	pCi/g						
Lead-212		0.324	+/-0.0527	0.0227	+/-0.0517	0.0468	pCi/g						
Lead-214		0.333	+/-0.0785	0.0282	+/-0.0769	0.0586	pCi/g						
Manganese-54	U	0.0149	+/-0.0306	0.0165	+/-0.030	0.0349	pCi/g						
Niobium-94	U	0.00422	+/-0.0187	0.0158	+/-0.0183	0.033	pCi/g						
Potassium-40		7.46	+/-0.778	0.140	+/-0.763	0.306	pCi/g						
Radium-226		0.360	+/-0.0848	0.0292	+/-0.0831	0.0611	pCi/g						
Silver-108m	U	-0.000906	+/-0.0146	0.0128	+/-0.0143	0.0267	pCi/g						
Thallium-208		0.143	+/-0.0433	0.0158	+/-0.0424	0.0331	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1649	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

Notes:
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Certificate of Analysis

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-185-C-1C-04
Sample ID: 113280011

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-185-C-1C-05	Project:	YANK00204
Sample ID:	113280012	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	03-MAY-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	5.32%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.384	+/-0.183	0.067	+/-0.179	0.146	pCi/g		SRB	06/07/04	1116	335643	1
Americium-241	U	0.00959	+/-0.0497	0.0405	+/-0.0487	0.0834	pCi/g						
Bismuth-212	U	0.308	+/-0.346	0.143	+/-0.340	0.309	pCi/g						
Bismuth-214		0.362	+/-0.0977	0.0398	+/-0.0957	0.0843	pCi/g						
Cesium-134	U	0.00	+/-0.0326	0.0235	+/-0.032	0.0505	pCi/g						
	UI												
Cesium-137		0.117	+/-0.0565	0.0169	+/-0.0553	0.0365	pCi/g						
Cobalt-60		0.113	+/-0.0558	0.0214	+/-0.0546	0.0473	pCi/g						
Europium-152	U	0.0695	+/-0.0568	0.0529	+/-0.0557	0.111	pCi/g						
Europium-154	U	0.0381	+/-0.0638	0.057	+/-0.0625	0.126	pCi/g						
Europium-155	U	0.0173	+/-0.0565	0.0501	+/-0.0553	0.103	pCi/g						
Lead-212		0.309	+/-0.0632	0.028	+/-0.0619	0.0581	pCi/g						
Lead-214		0.410	+/-0.0901	0.0341	+/-0.0883	0.0717	pCi/g						
Manganese-54	U	-0.00716	+/-0.0237	0.0198	+/-0.0232	0.0427	pCi/g						
Niobium-94	U	0.002	+/-0.0196	0.0182	+/-0.0192	0.039	pCi/g						
Potassium-40		6.13	+/-0.905	0.181	+/-0.887	0.405	pCi/g						
Radium-226		0.362	+/-0.0977	0.0398	+/-0.0957	0.0843	pCi/g						
Silver-108m	U	-0.00671	+/-0.0187	0.0156	+/-0.0184	0.0332	pCi/g						
Thallium-208		0.151	+/-0.0484	0.0211	+/-0.0474	0.0448	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1649	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-185-C-1C-05
Sample ID: 113280012

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

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Certificate of Analysis

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-185-C-1C-06	Project:	YANK00204
Sample ID:	113280013	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	03-MAY-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	7.37%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.422	+/-0.123	0.0448	+/-0.121	0.0964	pCi/g		SRB	06/07/04	1117	335643	1
Americium-241	U	-0.0276	+/-0.0484	0.0455	+/-0.0475	0.0946	pCi/g						
Bismuth-212		0.214	+/-0.187	0.0874	+/-0.183	0.188	pCi/g						
Bismuth-214		0.377	+/-0.0675	0.020	+/-0.0662	0.0428	pCi/g						
Cesium-134	U	0.0154	+/-0.0147	0.0137	+/-0.0144	0.0295	pCi/g						
Cesium-137		0.0309	+/-0.0285	0.0125	+/-0.0279	0.0266	pCi/g						
Cobalt-60	U	0.00	+/-0.0185	0.0114	+/-0.0182	0.0255	pCi/g						
	UI												
Europium-152	U	0.0554	+/-0.0683	0.0303	+/-0.067	0.0637	pCi/g						
Europium-154	U	0.00496	+/-0.0478	0.0394	+/-0.0468	0.086	pCi/g						
Europium-155	U	0.00512	+/-0.0355	0.0333	+/-0.0348	0.069	pCi/g						
Lead-212		0.407	+/-0.0497	0.0169	+/-0.0487	0.0352	pCi/g						
Lead-214		0.335	+/-0.0576	0.023	+/-0.0565	0.0483	pCi/g						
Manganese-54	U	-0.000813	+/-0.0147	0.0124	+/-0.0144	0.0267	pCi/g						
Niobium-94	U	0.00499	+/-0.0123	0.011	+/-0.0121	0.0235	pCi/g						
Potassium-40		7.55	+/-0.777	0.0814	+/-0.761	0.190	pCi/g						
Radium-226		0.377	+/-0.0675	0.020	+/-0.0662	0.0428	pCi/g						
Silver-108m	U	0.000359	+/-0.0124	0.0104	+/-0.0121	0.022	pCi/g						
Thallium-208		0.131	+/-0.0295	0.0115	+/-0.0289	0.0245	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1649	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-185-C-1C-06
Sample ID: 113280013

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

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

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-185-C-1C-07	Project:	YANK00204
Sample ID:	113280014	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	03-MAY-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	10.4%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	Mtd.
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)												
Actinium-228		0.422	+/-0.141	0.0416	+/-0.138	0.0904	pCi/g		SRB 06/07/04	1414	335643	1
Americium-241	U	-0.0189	+/-0.0593	0.0503	+/-0.0581	0.104	pCi/g					
Bismuth-212	U	0.00	+/-0.132	0.129	+/-0.130	0.271	pCi/g					
	UI											
Bismuth-214		0.363	+/-0.0672	0.0224	+/-0.0659	0.0478	pCi/g					
Cesium-134	U	0.0261	+/-0.0188	0.0147	+/-0.0184	0.0316	pCi/g					
Cesium-137		0.119	+/-0.0238	0.0129	+/-0.0234	0.0276	pCi/g					
Cobalt-60	U	0.00	+/-0.027	0.0139	+/-0.0265	0.0307	pCi/g					
	UI											
Europium-152	U	0.020	+/-0.0411	0.0357	+/-0.0403	0.0748	pCi/g					
Europium-154	U	0.0152	+/-0.0494	0.0429	+/-0.0484	0.0934	pCi/g					
Europium-155	U	-0.00819	+/-0.0364	0.0333	+/-0.0357	0.0691	pCi/g					
Lead-212		0.421	+/-0.0568	0.0217	+/-0.0556	0.0451	pCi/g					
Lead-214		0.431	+/-0.0769	0.0225	+/-0.0754	0.0475	pCi/g					
Manganese-54	U	0.0155	+/-0.0198	0.0146	+/-0.0194	0.0312	pCi/g					
Niobium-94	U	0.00823	+/-0.0132	0.0117	+/-0.0129	0.025	pCi/g					
Potassium-40		7.19	+/-0.815	0.112	+/-0.799	0.253	pCi/g					
Radium-226		0.363	+/-0.0672	0.0224	+/-0.0659	0.0478	pCi/g					
Silver-108m	U	0.0035	+/-0.0133	0.0106	+/-0.013	0.0226	pCi/g					
Thallium-208		0.138	+/-0.0357	0.0118	+/-0.035	0.0252	pCi/g					
Solid Preparation												
Laboratory Composite												

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1649	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-185-C-1C-07
Sample ID: 113280014

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

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

The above sample is reported on a dry weight basis.
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Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID:	3100-0000-185-C-1C-08	Project:	YANK00204
Sample ID:	113280015	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	03-MAY-04		
Receive Date:	19-MAY-04		
Collector:	Client		
Moisture:	6.95%		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2,ALL2 (CT)													
Actinium-228		0.456	+/-0.140	0.0414	+/-0.137	0.0892	pCi/g		SRB	06/07/04	1415	335643	1
Americium-241	U	0.0101	+/-0.128	0.104	+/-0.126	0.215	pCi/g						
Bismuth-212		0.403	+/-0.188	0.0871	+/-0.184	0.187	pCi/g						
Bismuth-214		0.470	+/-0.0759	0.0282	+/-0.0744	0.059	pCi/g						
Cesium-134	U	0.0332	+/-0.0223	0.0161	+/-0.0218	0.034	pCi/g						
Cesium-137		3.52	+/-0.243	0.0137	+/-0.238	0.029	pCi/g						
Cobalt-60		0.101	+/-0.0319	0.012	+/-0.0312	0.0265	pCi/g						
Europium-152	U	-0.0145	+/-0.0525	0.0443	+/-0.0514	0.0917	pCi/g						
Europium-154	U	0.00603	+/-0.0471	0.0406	+/-0.0462	0.088	pCi/g						
Europium-155	U	0.0331	+/-0.0491	0.0471	+/-0.0481	0.0968	pCi/g						
Lead-212		0.457	+/-0.0601	0.0249	+/-0.0589	0.0512	pCi/g						
Lead-214		0.522	+/-0.0863	0.0309	+/-0.0845	0.0641	pCi/g						
Manganese-54	U	-0.0177	+/-0.0148	0.011	+/-0.0145	0.0237	pCi/g						
Niobium-94	U	0.00691	+/-0.0125	0.0112	+/-0.0123	0.0238	pCi/g						
Potassium-40		7.17	+/-0.810	0.0973	+/-0.794	0.220	pCi/g						
Radium-226		0.470	+/-0.0759	0.0282	+/-0.0744	0.059	pCi/g						
Silver-108m	U	-0.0145	+/-0.0194	0.0169	+/-0.019	0.035	pCi/g						
Thallium-208		0.216	+/-0.0422	0.0134	+/-0.0413	0.0283	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	05/20/04	1649	335122
GL-RAD-A-026	Laboratory sample composite	MJM1	05/20/04	1600	334870

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002337-Pete Hollenbeck

Report Date: June 17, 2004

Client Sample ID: 3100-0000-185-C-1C-08
Sample ID: 113280015

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

B Target analyte was detected in the sample as well as the associated blank.
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h Sample preparation or preservation holding time exceeded.

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Heather G Crook

Reviewed by

TCLP LOGBOOK

Report run on: June 2, 2004 4:35 PM

Batch Id: 337468

Reagent / Spike ID	Amount	Units	Description
10030088	4000	mL	SPLP EASTERN EXTRACTION FLUID

Employee ID: Clifford Postell

Sop ID: GL-LB-E-024

Extraction Start Date: 01-JUN-04 16:30:50 @ C

Extraction Stop Date: 02-JUN-04 08:45:18 @ C

Filtration Complete Date: 02-JUN-04 14:00:18 @ C

Sample Id	Matrix	Inst. ID	Inst. Speed	Sample Properties	Aliquot	Weight of Container	Weight of Filtrate	Initial Ph	pH Temp C	2nd pH	20 X % wet solid X wt.sample	Volume of Filtrate	pH of Filtrate	Positive Pressure (Y/N)	Extraction Vessel number
113667001	S	TCLP01	28	Solid without Partical Size Reduction	200g	N/A	N/A	N/A	N/A	N/A	4000	4000	11	N/A	N/A
113667002	S	TCLP01	28	Solid without Partical Size Reduction	200g	N/A	N/A	N/A	N/A	N/A	4000	4000	12	N/A	N/A

Bottle Lot Number: C210901L

Filter Lot Number 92041201W

62

Note: The aliquot for metals matrix QC is taken from the parent sample filtrate.

QUALITY CONTROL DATA

GENERAL ENGINEERING LABORATORIES, LLC

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

QC Summary

Report Date: June 17, 2004

Client : Connecticut Yankee Atomic Power
Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut

Contact: Mr. Pete Hollenbeck

Workorder: 113280

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Alpha Spec										
Batch 337634										
QC1200635525 113280001 DUP										
Plutonium-241		9.86		11.4	pCi/g	15		(0% - 100%)	JAS1	06/09/04 23:34
	Uncert:	+/-2.49		+/-2.63						
	TPU:	+/-2.66		+/-2.82						
QC1200635527 LCS										
Plutonium-241	35.6			30.2	pCi/g		85	(75%-125%)		06/10/04 00:37
	Uncert:			+/-2.87						
	TPU:			+/-3.90						
QC1200635524 MB										
Plutonium-241			U	0.273	pCi/g					06/09/04 23:02
	Uncert:			+/-1.92						
	TPU:			+/-1.92						
QC1200635526 113280001 MS										
Plutonium-241	66.4	9.86		76.4	pCi/g		100	(75%-125%)		06/10/04 00:05
	Uncert:	+/-2.49		+/-5.92						
	TPU:	+/-2.66		+/-8.86						
Batch 337640										
QC1200635529 113280001 DUP										
Americium-241		0.741		0.868	pCi/g	16		(0% - 20%)	JAS1	06/15/04 09:01
	Uncert:	+/-0.148		+/-0.141						
	TPU:	+/-0.182		+/-0.174						
Curium-242	U	-0.013	U	0.00	pCi/g	N/A		(0% - 100%)		
	Uncert:	+/-0.0104		+/-0.0141						
	TPU:	+/-0.0106		+/-0.0141						
Curium-243/244		0.110		0.074	pCi/g	39		(0% - 100%)		
	Uncert:	+/-0.0628		+/-0.0438						
	TPU:	+/-0.0646		+/-0.0446						
QC1200635531 LCS										
Americium-241	2.69			3.02	pCi/g		112	(75%-125%)		06/08/04 14:30
	Uncert:			+/-0.303						
	TPU:			+/-0.494						
Curium-242			U	-0.00193	pCi/g					
	Uncert:			+/-0.0162						
	TPU:			+/-0.0162						
Curium-243/244	3.46			3.62	pCi/g		105	(75%-125%)		
	Uncert:			+/-0.331						
	TPU:			+/-0.573						
QC1200635528 MB										
Americium-241			U	0.0118	pCi/g					
	Uncert:			+/-0.0164						
	TPU:			+/-0.0164						
Curium-242			U	0.00603	pCi/g					
	Uncert:			+/-0.0118						
	TPU:			+/-0.0118						

QC Summary

Workorder: 113280

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Alpha Spec										
Batch 337640										
Curium-243/244			U	-0.00142	pCi/g					
	Uncert:			+/-0.0119						
	TPU:			+/-0.0119						
QC1200635530 113280001 MS										
Americium-241	4.79	0.741		5.95	pCi/g		111	(75%-125%)		06/15/04 09:01
	Uncert:	+/-0.148		+/-0.545						
	TPU:	+/-0.182		+/-0.929						
Curium-242	U	-0.013	U	0.00	pCi/g					
	Uncert:	+/-0.0104		+/-0.0311						
	TPU:	+/-0.0106		+/-0.0311						
Curium-243/244	6.20	0.110		7.02	pCi/g		109	(75%-125%)		
	Uncert:	+/-0.0628		+/-0.593						
	TPU:	+/-0.0646		+/-1.07						
Batch 337644										
QC1200635533 113280001 DUP										
Plutonium-238		0.632		0.705	pCi/g	11		(0% - 20%)	JAS1	06/08/04 20:47
	Uncert:	+/-0.132		+/-0.141						
	TPU:	+/-0.146		+/-0.159						
Plutonium-239/240		0.242		0.289	pCi/g	18		(0% - 100%)		
	Uncert:	+/-0.081		+/-0.0904						
	TPU:	+/-0.0846		+/-0.0952						
QC1200635535 LCS										
Plutonium-238			U	-0.0123	pCi/g					06/08/04 12:32
	Uncert:			+/-0.0352						
	TPU:			+/-0.0353						
Plutonium-239/240	2.39			2.68	pCi/g		112			
	Uncert:			+/-0.257						
	TPU:			+/-0.370						
QC1200635532 MB										
Plutonium-238			U	0.00385	pCi/g					06/08/04 20:47
	Uncert:			+/-0.0153						
	TPU:			+/-0.0153						
Plutonium-239/240			U	0.0113	pCi/g					
	Uncert:			+/-0.0211						
	TPU:			+/-0.0211						
QC1200635534 113280001 MS										
Plutonium-238		0.632		0.875	pCi/g					06/08/04 12:32
	Uncert:	+/-0.132		+/-0.197						
	TPU:	+/-0.146		+/-0.215						
Plutonium-239/240	4.27	0.242		4.44	pCi/g		98			
	Uncert:	+/-0.081		+/-0.429						
	TPU:	+/-0.0846		+/-0.609						
Rad Gamma Spec										
Batch 335643										
QC1200630676 113280002 DUP										
Actinium-228		0.490		0.534	pCi/g	9		(0% - 100%)	SRB	06/07/04 14:16
	Uncert:	+/-0.0971		+/-0.152						
	TPU:	+/-0.0952		+/-0.149						

QC Summary

Workorder: 113280

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 335643											
Americium-241	U	0.0171	U	-0.00508	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0464		+/-0.0245							
	TPU:	+/-0.0455		+/-0.024							
Bismuth-212		0.270		0.355	pCi/g	27		(0% - 100%)			
	Uncert:	+/-0.142		+/-0.321							
	TPU:	+/-0.139		+/-0.314							
Bismuth-214		0.462		0.449	pCi/g	3		(0% - 100%)			
	Uncert:	+/-0.0641		+/-0.0894							
	TPU:	+/-0.0629		+/-0.0876							
Cesium-134	UUI	0.00	UUI	0.00	pCi/g	62		(0% - 100%)			
	Uncert:	+/-0.018		+/-0.0342							
	TPU:	+/-0.0176		+/-0.0335							
Cesium-137		1.59		1.64	pCi/g	3		(0% - 100%)			
	Uncert:	+/-0.112		+/-0.162							
	TPU:	+/-0.110		+/-0.158							
Cobalt-60	U	0.011	U	0.0176	pCi/g	46		(0% - 100%)			
	Uncert:	+/-0.0121		+/-0.0226							
	TPU:	+/-0.0119		+/-0.0221							
Europium-152	U	-0.0109	U	-0.00321	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0336		+/-0.0472							
	TPU:	+/-0.0329		+/-0.0463							
Europium-154	U	-0.0253	U	-0.0119	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0318		+/-0.0621							
	TPU:	+/-0.0312		+/-0.0609							
Europium-155	U	-0.00384	U	-0.016	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0294		+/-0.0405							
	TPU:	+/-0.0288		+/-0.0397							
Lead-212		0.488		0.490	pCi/g	0		(0% - 100%)			
	Uncert:	+/-0.0554		+/-0.0636							
	TPU:	+/-0.0543		+/-0.0624							
Lead-214		0.525		0.449	pCi/g	16					
	Uncert:	+/-0.0717		+/-0.0788							
	TPU:	+/-0.0703		+/-0.0772							
Manganese-54	U	0.00134	U	0.00951	pCi/g	150		(0% - 100%)			
	Uncert:	+/-0.0108		+/-0.0202							
	TPU:	+/-0.0106		+/-0.0198							
Niobium-94	U	0.00543	U	0.0163	pCi/g	100		(0% - 100%)			
	Uncert:	+/-0.00968		+/-0.0355							
	TPU:	+/-0.00949		+/-0.0348							
Potassium-40		8.27		8.05	pCi/g	3		(0% - 20%)			
	Uncert:	+/-0.744		+/-0.870							
	TPU:	+/-0.729		+/-0.852							
Radium-226		0.462		0.449	pCi/g	3		(0% - 100%)			
	Uncert:	+/-0.0641		+/-0.0894							
	TPU:	+/-0.0629		+/-0.0876							
Silver-108m	U	-0.0113	U	-0.0028	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0115		+/-0.0183							
	TPU:	+/-0.0113		+/-0.018							

QC Summary

Workorder: 113280

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 335643										
Thallium-208		0.170		0.178	pCi/g	4		(0% - 100%)		
	Uncert:	+/-0.0287		+/-0.0396						
	TPU:	+/-0.0281		+/-0.0388						
QC1200630677 LCS										
Actinium-228			U	-0.121	pCi/g					06/07/04 14:48
	Uncert:			+/-0.605						
	TPU:			+/-0.593						
Americium-241	23.4			23.9	pCi/g		102	(75%-125%)		
	Uncert:			+/-2.53						
	TPU:			+/-2.48						
Bismuth-212			U	0.130	pCi/g					
	Uncert:			+/-1.05						
	TPU:			+/-1.03						
Bismuth-214			U	-0.0372	pCi/g					
	Uncert:			+/-0.260						
	TPU:			+/-0.254						
Cesium-134			U	0.0528	pCi/g					
	Uncert:			+/-0.177						
	TPU:			+/-0.174						
Cesium-137	9.25			10.0	pCi/g		108	(75%-125%)		
	Uncert:			+/-0.794						
	TPU:			+/-0.778						
Cobalt-60	14.4			15.3	pCi/g		106	(75%-125%)		
	Uncert:			+/-1.18						
	TPU:			+/-1.16						
Europium-152			U	-0.162	pCi/g					
	Uncert:			+/-0.317						
	TPU:			+/-0.311						
Europium-154			U	-0.166	pCi/g					
	Uncert:			+/-0.341						
	TPU:			+/-0.334						
Europium-155			U	-0.154	pCi/g					
	Uncert:			+/-0.363						
	TPU:			+/-0.355						
Lead-212			U	-0.0395	pCi/g					
	Uncert:			+/-0.171						
	TPU:			+/-0.168						
Lead-214			U	-0.0111	pCi/g					
	Uncert:			+/-0.230						
	TPU:			+/-0.225						
Manganese-54			U	0.0255	pCi/g					
	Uncert:			+/-0.144						
	TPU:			+/-0.141						
Niobium-94			U	0.00158	pCi/g					
	Uncert:			+/-0.128						
	TPU:			+/-0.126						
Potassium-40			U	0.255	pCi/g					
	Uncert:			+/-1.27						

QC Summary

Workorder: 113280

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 335643											
	TPU:			+/-1.24							
Radium-226			U	-0.0372	pCi/g			(75%-125%)			
	Uncert:			+/-0.260							
	TPU:			+/-0.254							
Silver-108m			U	-0.0412	pCi/g						
	Uncert:			+/-0.121							
	TPU:			+/-0.119							
Thallium-208			U	0.0261	pCi/g						
	Uncert:			+/-0.134							
	TPU:			+/-0.131							
QC1200630675 MB											
Actinium-228			U	0.0129	pCi/g					06/07/04	11:17
	Uncert:			+/-0.0917							
	TPU:			+/-0.0899							
Americium-241			U	0.00835	pCi/g						
	Uncert:			+/-0.0367							
	TPU:			+/-0.0359							
Bismuth-212			U	0.0543	pCi/g						
	Uncert:			+/-0.0954							
	TPU:			+/-0.0935							
Bismuth-214			U	0.0275	pCi/g						
	Uncert:			+/-0.0314							
	TPU:			+/-0.0308							
Cesium-134			U	-0.0115	pCi/g						
	Uncert:			+/-0.0137							
	TPU:			+/-0.0134							
Cesium-137			U	-0.000339	pCi/g						
	Uncert:			+/-0.0124							
	TPU:			+/-0.0122							
Cobalt-60			U	-0.0114	pCi/g						
	Uncert:			+/-0.0144							
	TPU:			+/-0.0141							
Europium-152			U	0.0317	pCi/g						
	Uncert:			+/-0.0373							
	TPU:			+/-0.0365							
Europium-154			U	0.0151	pCi/g						
	Uncert:			+/-0.0435							
	TPU:			+/-0.0427							
Europium-155			U	0.0124	pCi/g						
	Uncert:			+/-0.0367							
	TPU:			+/-0.036							
Lead-212			U	0.0191	pCi/g						
	Uncert:			+/-0.0395							
	TPU:			+/-0.0388							
Lead-214			U	0.0168	pCi/g						
	Uncert:			+/-0.0275							
	TPU:			+/-0.027							
Manganese-54			U	0.00156	pCi/g						

QC Summary

Workorder: 113280

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 335643										
	Uncert:			+/-0.012						
	TPU:			+/-0.0118						
Niobium-94			U	-0.00659	pCi/g					
	Uncert:			+/-0.0129						
	TPU:			+/-0.0127						
Potassium-40			U	0.0486	pCi/g					
	Uncert:			+/-0.249						
	TPU:			+/-0.244						
Radium-226			U	0.0275	pCi/g					
	Uncert:			+/-0.0314						
	TPU:			+/-0.0308						
Silver-108m			U	-0.0074	pCi/g					
	Uncert:			+/-0.0121						
	TPU:			+/-0.0119						
Thallium-208			UUI	0.00	pCi/g					
	Uncert:			+/-0.0227						
	TPU:			+/-0.0223						
Rad Gas Flow										
Batch 339054										
QC1200638871 113280001 DUP										
Strontium-90		0.952		0.947	pCi/g	1		(0% - 20%)	HOB1	06/12/04 06:57
	Uncert:	+/-0.0247		+/-0.0241						
	TPU:	+/-0.231		+/-0.224						
QC1200638873 LCS										
Strontium-90	1.62			1.63	pCi/g		100	(75%-125%)		06/11/04 22:55
	Uncert:			+/-0.0951						
	TPU:			+/-0.423						
QC1200638870 MB										
Strontium-90			U	-0.00155	pCi/g					06/15/04 02:50
	Uncert:			+/-0.00421						
	TPU:			+/-0.00422						
QC1200638872 113280001 MS										
Strontium-90	3.25	0.952		3.52	pCi/g		79	(75%-125%)		06/11/04 22:55
	Uncert:	+/-0.0247		+/-0.187						
	TPU:	+/-0.231		+/-0.831						
Rad Liquid Scintillation										
Batch 338894										
QC1200638588 113280008 DUP										
Carbon-14		70.0		93.8	pCi/g	29*		(0% - 20%)	HOB1	06/11/04 02:56
	Uncert:	+/-1.72		+/-2.03						
	TPU:	+/-2.04		+/-2.51						
QC1200638590 LCS										
Carbon-14	16.4			16.9	pCi/g		103	(75%-125%)		06/11/04 04:01
	Uncert:			+/-0.880						
	TPU:			+/-0.920						
QC1200638587 MB										
Carbon-14			U	0.094	pCi/g					06/11/04 02:24
	Uncert:			+/-0.300						

QC Summary

Workorder: 113280

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Liquid Scintillation										
Batch 338894										
	TPU:			+/-0.300						
QC1200638589 113280008 MS										
Carbon-14	17.3	70.0		110	pCi/g		232*	(75%-125%)		06/11/04 03:29
	Uncert:	+/-1.72		+/-2.20						
	TPU:	+/-2.04		+/-2.80						
Batch 338964										
QC1200638665 113280001 DUP										
Iron-55		10.2		7.54	pCi/g	30		(0% - 100%)	JLB1	06/11/04 13:35
	Uncert:	+/-3.50		+/-3.47						
	TPU:	+/-3.53		+/-3.49						
QC1200638667 LCS										
Iron-55	7.88			7.53	pCi/g		96	(75%-125%)		06/11/04 15:07
	Uncert:			+/-2.26						
	TPU:			+/-2.28						
QC1200638664 MB										
Iron-55			U	-2.63	pCi/g					06/11/04 12:49
	Uncert:			+/-1.87						
	TPU:			+/-1.88						
QC1200638666 113280001 MS										
Iron-55	18.1	10.2		39.3	pCi/g		161*	(75%-125%)		06/14/04 13:22
	Uncert:	+/-3.50		+/-8.92						
	TPU:	+/-3.53		+/-9.16						
Batch 338970										
QC1200638678 113280001 DUP										
Nickel-63		1620		1600	pCi/g	1		(0% - 20%)	JLB1	06/10/04 05:09
	Uncert:	+/-31.6		+/-31.2						
	TPU:	+/-44.8		+/-44.3						
QC1200638680 LCS										
Nickel-63	35.5			30.7	pCi/g		87	(75%-125%)		06/10/04 05:46
	Uncert:			+/-1.72						
	TPU:			+/-1.82						
QC1200638677 MB										
Nickel-63			U	0.123	pCi/g					06/10/04 05:05
	Uncert:			+/-1.00						
	TPU:			+/-1.00						
QC1200638679 113280001 MS										
Nickel-63	79.4	1620		1690	pCi/g		100	(75%-125%)		06/16/04 12:50
	Uncert:	+/-31.6		+/-33.4						
	TPU:	+/-44.8		+/-47.1						
Batch 339601										
QC1200640185 113724002 DUP										
Technetium-99	U	-0.0573	U	0.225	pCi/g	N/A		(0% - 100%)	DAJ1	06/16/04 14:58
	Uncert:	+/-1.47		+/-1.26						
	TPU:	+/-1.47		+/-1.26						
QC1200640187 LCS										
Technetium-99	44.1			47.8	pCi/g		108	(75%-125%)		06/16/04 17:07
	Uncert:			+/-1.19						
	TPU:			+/-2.06						
QC1200640184 MB										

QC Summary

Workorder: 113280

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Liquid Scintillation										
Batch 339601										
Technetium-99			U	-0.211	pCi/g					
	Uncert:			+/-0.468						
	TPU:			+/-0.469						
QC1200640186 113724002 MS										
Technetium-99	122 U	-0.0573		136	pCi/g		112	(75%-125%)		06/16/04 16:02
	Uncert:	+/-1.47		+/-3.26						
	TPU:	+/-1.47		+/-5.78						
Batch 339615										
QC1200640230 113724001 DUP										
Tritium	U	-0.812	U	-1.6	pCi/g	N/A		(0% - 100%)	JLB1	06/11/04 08:27
	Uncert:	+/-1.15		+/-1.46						
	TPU:	+/-1.15		+/-1.47						
QC1200640232 LCS										
Tritium	10.8			10.2	pCi/g		95	(75%-125%)		06/11/04 09:32
	Uncert:			+/-1.42						
	TPU:			+/-1.58						
QC1200640229 MB										
Tritium			U	-0.0259	pCi/g					06/11/04 07:55
	Uncert:			+/-1.03						
	TPU:			+/-1.03						
QC1200640231 113724001 MS										
Tritium	16.0 U	-0.812		13.4	pCi/g		84	(75%-125%)		06/11/04 09:00
	Uncert:	+/-1.15		+/-2.03						
	TPU:	+/-1.15		+/-2.23						

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

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

QC Summary

Workorder: **113280**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.
** Indicates analyte is a surrogate compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

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

RADIOLOGICAL ANALYSIS

Radiochemistry Case Narrative
CONNECTICUT Yankee Atomic Power Co. (YANK)
SDG MSR#04-1488

Method/Analysis Information

Product:	**Alphaspec Am241, Cm, Liquid-TRU2 WG**
Analytical Method:	DOE EML HASL-300, Am-05-RC Modified
Analytical Batch Number:	342519

Sample ID	**Client ID**
113667003	3100-0000-186-C-1C-01
113667004	3100-0000-185-C-1C-01
1200647380	Method Blank (MB)
1200647383	Laboratory Control Sample (LCS)
1200647381	113667004(3100-0000-185-C-1C-01) Sample Duplicate (DUP)
1200647382	113667004(3100-0000-185-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-011 REV# 13.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113667004(3100-0000-185-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Samples 113667003 (3100-0000-186-C-1C-01), 113667004 (3100-0000-185-C-1C-01), 1200647380 (MB), 1200647381 (3100-0000-185-C-1C-01), 1200647382 (3100-0000-185-C-1C-01) and 1200647383 (LCS) were

reprepped due to low/high recovery.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Manual Integration
No manual integrations were performed on data in this batch.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Alphaspec Pu, Liquid-TRU2 WG**
Analytical Method:	DOE EML HASL-300, Pu-11-RC Modified
Analytical Batch Number:	340030

Sample ID	**Client ID**
113667003	3100-0000-186-C-1C-01
113667004	3100-0000-185-C-1C-01
1200641217	Method Blank (MB)
1200641220	Laboratory Control Sample (LCS)
1200641218	113667003(3100-0000-186-C-1C-01) Sample Duplicate (DUP)
1200641219	113667003(3100-0000-186-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-011 REV# 13.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113667003 (3100-0000-186-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Manual Integration
No manual integrations were performed on data in this batch.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Pu241, Liquid-TRU2 WG**
Analytical Method:	DOE EML HASL-300, Pu-11-RC Modified
Analytical Batch Number:	340033

Sample ID	Client ID
113667003	3100-0000-186-C-1C-01
113667004	3100-0000-185-C-1C-01
1200641221	Method Blank (MB)
1200641224	Laboratory Control Sample (LCS)
1200641222	113667003(3100-0000-186-C-1C-01) Sample Duplicate (DUP)
1200641223	113667003(3100-0000-186-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-035 REV# 5.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113667003 (3100-0000-186-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Manual Integration
No manual integrations were performed on data in this batch.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Gammaspec, Gamma, Liquid-GAM2 WG**
Analytical Method:	EPA 901.1
Analytical Batch Number:	339720

Sample ID	**Client ID**
113667003	3100-0000-186-C-1C-01
113667004	3100-0000-185-C-1C-01
1200640460	Method Blank (MB)
1200640463	Laboratory Control Sample (LCS)
1200640461	113667004(3100-0000-185-C-1C-01) Sample Duplicate (DUP)
1200640462	113667004(3100-0000-185-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-013 REV# 10.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113667004 (3100-0000-185-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information

Qualifier	Reason	Analyte	Sample
UI	Data rejected due to low abundance.	Lead-214	113667003
UI	Data rejected due to no valid peak.	Cesium-134	113667004
		Potassium-40	1200640460

Method/Analysis Information

Product:	**GFPC, Sr90, liquid-HTD2 WG**
Analytical Method:	EPA 905.0 Modified
Analytical Batch Number:	340973

Sample ID	Client ID
113667003	3100-0000-186-C-1C-01
113667004	3100-0000-185-C-1C-01
1200643662	Method Blank (MB)
1200643665	Laboratory Control Sample (LCS)
1200643663	113759018(S-15) Sample Duplicate (DUP)
1200643664	113759018(S-15) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in

accordance with GL-RAD-A-004 REV# 8.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113759018 (S-15).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Additional Comments
Samples 113667003 (3100-0000-186-C-1C-01) and 113667004 (3100-0000-185-C-1C-01) were verified by recounting at least five days from the initial count date.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Tc99, Liquid-ALL WG**
Analytical Method:	DOE EML HASL-300, Tc-02-RC Modified
Analytical Batch Number:	340926

Sample ID	Client ID
113667003	3100-0000-186-C-1C-01
113667004	3100-0000-185-C-1C-01
1200643522	Method Blank (MB)
1200643525	Laboratory Control Sample (LCS)
1200644474	113759011(178-183-4) Sample Duplicate (DUP)
1200644475	113759011(178-183-4) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-005 REV# 11.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113759011 (178-183-4).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Additional Comments
Samples 1200643522 (MB), 1200643525 (LCS), 1200644474 (178-183-4) and 1200644475 (178-183-4) were preserved with nitric acid prior to analysis.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Fe55, Liquid-HTD2 WG**
Analytical Method:	DOE RESL Fe-1, Modified
Analytical Batch Number:	340950

Sample ID	**Client ID**
113667003	3100-0000-186-C-1C-01
113667004	3100-0000-185-C-1C-01
1200643608	Method Blank (MB)
1200643611	Laboratory Control Sample (LCS)
1200643609	113759015(S-9) Sample Duplicate (DUP)
1200643610	113759015(S-9) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-040 REV# 2.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113759015 (S-9).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Additional Comments
The absolute value of the following samples results is greater than 3 times 1 sigma total propagated uncertainty due to crosstalk factor and a large concentration of Fe-59 tracer. The sample spectrums verifies there is no Fe-55 in the samples, however, the results may be biased low due to the crosstalk from tracer.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Ni63, Liquid-HTD2 WG**
Analytical Method:	DOE RESL Ni-1, Modified
Analytical Batch Number:	340951

Sample ID	**Client ID**
113667003	3100-0000-186-C-1C-01
113667004	3100-0000-185-C-1C-01
1200643612	Method Blank (MB)
1200643615	Laboratory Control Sample (LCS)
1200643613	113759015(S-9) Sample Duplicate (DUP)
1200643614	113759015(S-9) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-022 REV# 6.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113759015 (S-9).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Additional Comments
Samples 113667003 (3100-0000-186-C-1C-01) and 113667004 (3100-0000-185-C-1C-01) were received unpreserved and were preserved by analyst prior to analysis.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**LSC, Tritium Dist, Liquid-ALL,STND,MIX,PENN WG**
Analytical Method:	EPA 906.0 Modified
Analytical Batch Number:	340954

Sample ID	**Client ID**
113667003	3100-0000-186-C-1C-01
113667004	3100-0000-185-C-1C-01
1200643624	Method Blank (MB)
1200643627	Laboratory Control Sample (LCS)
1200643625	113759005(S-12) Sample Duplicate (DUP)
1200643626	113759005(S-12) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-002 REV# 9.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information

The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113759005 (S-12).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint C14, Liquid-ALL WG**
Analytical Method:	EPA EERF C-01 Modified
Analytical Batch Number:	342821

Sample ID	**Client ID**
113667003	3100-0000-186-C-1C-01
113667004	3100-0000-185-C-1C-01
1200648254	Method Blank (MB)
1200648257	Laboratory Control Sample (LCS)
1200648255	113810002(FPZ 6A) Sample Duplicate (DUP)
1200648256	113810002(FPZ 6A) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-003 REV# 7.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry

All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 113810002 (FPZ 6A).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Samples were reprepped due to low/high recovery.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Certification Statement
Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation:
GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.
The following data validator verified the information presented in this case narrative:

Reviewer: Michelle D. Crouse 6/22/04

SAMPLE DATA SUMMARY

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : CYAPCo
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Dave Keefer
Project: SPLP PO# 002337

Report Date: June 22, 2004

Client Sample ID: 3100-0000-186-C-1C-01
Sample ID: 113667003
Matrix: Misc Liquid
Collect Date: 29-APR-04
Receive Date: 26-MAY-04
Collector: Client

Project: YANK00104
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Alpha Spec Analysis											
Alphaspec Am241, Cm, Liquid-TRU2 WG											
Americium-241	U	-0.0194	+/-0.190	0.163	+/-0.190	0.378	pCi/L		MLA 06/21/04	2118	342519 1
Curium-242	U	-0.0489	+/-0.117	0.114	+/-0.117	0.293	pCi/L				
Curium-243/244	U	0.117	+/-0.202	0.150	+/-0.203	0.354	pCi/L				
Alphaspec Pu, Liquid-TRU2 WG											
Plutonium-238	U	-0.014	+/-0.0722	0.0887	+/-0.0722	0.263	pCi/L		MLA 06/16/04	0929	340030 3
Plutonium-239/240	U	0.0558	+/-0.0892	0.0362	+/-0.0894	0.158	pCi/L				
Liquid Scint Pu241, Liquid-TRU2 WG											
Plutonium-241	U	1.57	+/-4.70	3.92	+/-4.70	7.96	pCi/L		MLA 06/21/04	2316	340033 4
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Liquid-GAM2 WG											
Actinium-228	U	22.0	+/-23.8	16.9	+/-23.4	36.4	pCi/L		SRB 06/18/04	0931	339720 5
Americium-241	U	-4.14	+/-51.6	28.5	+/-50.6	58.8	pCi/L				
Bismuth-212	U	-15.6	+/-48.1	32.3	+/-47.1	69.7	pCi/L				
Bismuth-214	U	15.7	+/-13.2	10.5	+/-13.0	22.0	pCi/L				
Cesium-134		24.7	+/-9.89	4.14	+/-9.73	9.03	pCi/L				
Cesium-137		1400	+/-110	6.30	+/-117	13.2	pCi/L				
Cobalt-60		56.7	+/-12.5	3.84	+/-12.3	8.62	pCi/L				
Europium-152	U	-2.26	+/-22.0	17.6	+/-21.6	36.4	pCi/L				
Europium-154	U	-5.71	+/-13.4	10.3	+/-13.1	23.2	pCi/L				
Europium-155	U	1.01	+/-19.9	16.8	+/-19.5	34.7	pCi/L				
Lead-212	U	5.91	+/-16.8	11.5	+/-16.5	23.6	pCi/L				
Lead-214	U	0.00	+/-30.0	13.2	+/-29.5	27.3	pCi/L				
	UI										
Manganese-54	U	-1.67	+/-5.06	3.94	+/-4.96	8.59	pCi/L				
Niobium-94	U	-1.4	+/-4.58	3.63	+/-4.49	7.82	pCi/L				
Potassium-40		67.9	+/-65.8	23.9	+/-64.5	57.0	pCi/L				
Silver-108m	U	6.24	+/-8.38	7.23	+/-8.22	14.9	pCi/L				
Thallium-208	U	4.40	+/-7.11	6.09	+/-6.97	12.8	pCi/L				
Rad Gas Flow Proportional Counting											
GFPC, Sr90, liquid-HTD2 WG											
Strontium-90		55.5	+/-2.13	0.527	+/-13.0	1.11	pCi/L		HOB1 06/17/04	2146	340973 6
Rad Liquid Scintillation Analysis											
LSC, Tritium Dist, Liquid-ALL,STND,MIX,PENN WG											
Tritium		44700	+/-487	89.2	+/-859	178	pCi/L		JLB1 06/18/04	1345	340954 7
Liquid Scint C14, Liquid-ALL WG											
Carbon-14	U	-11.8	+/-34.8	29.5	+/-34.9	60.2	pCi/L		MWX 06/21/04	1926	342821 8
									1		

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

Certificate of Analysis

Company : CYAPCo
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Dave Keefer
Project: SPLP PO# 002337

Report Date: June 22, 2004

Client Sample ID: 3100-0000-186-C-1C-01
Sample ID: 113667003

Project: YANK00104
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint Fe55, Liquid-HTD2 WG													
Iron-55	U	-26.1	+/-11.5	4.47	+/-11.5	9.23	pCi/L		JLB1	06/20/04	2109	340950	10
Liquid Scint Ni63, Liquid-HTD2 WG													
Nickel-63		95.2	+/-9.60	5.71	+/-9.78	11.8	pCi/L		JLB1	06/20/04	0617	340951	11
Liquid Scint Tc99, Liquid-ALL WG													
Technetium-99	U	0.214	+/-4.14	3.47	+/-4.14	7.13	pCi/L		DAJ1	06/21/04	0021	340926	12

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Am-05-RC Modified
3	DOE EML HASL-300, Pu-11-RC Modified
4	DOE EML HASL-300, Pu-11-RC Modified
5	EPA 901.1
6	EPA 905.0 Modified
7	EPA 906.0 Modified
8	EPA EERF C-01 Modified
9	EPA EERF C-01 Modified
10	DOE RESL Fe-1, Modified
11	DOE RESL Ni-1, Modified
12	DOE EML HASL-300, Tc-02-RC Modified

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Liquid-TR	88	(25%-125%)
Plutonium-242	Alphaspec Pu, Liquid-TRU2 WG	88	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Liquid-TRU2	83	
Carrier/Tracer Recovery	GFPC, Sr90, liquid-HTD2 WG	99	
Carrier/Tracer Recovery	Liquid Scint Fe55, Liquid-HTD2 V	81	
Carrier/Tracer Recovery	Liquid Scint Ni63, Liquid-HTD2 V	61	
Carrier/Tracer Recovery	Liquid Scint Tc99, Liquid-ALL W	104	

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

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Certificate of Analysis

Company : CYAPCo
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Dave Keefer
Project: SPLP PO# 002337

Report Date: June 22, 2004

Client Sample ID: 3100-0000-186-C-1C-01
Sample ID: 113667003

Project: YANK00104
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

The above sample is reported on an "as received" basis.

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

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : CYAPCo
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Dave Keefer
Project: SPLP PO# 002337

Report Date: June 22, 2004

Client Sample ID:	3100-0000-185-C-1C-01	Project:	YANK00104
Sample ID:	113667004	Client ID:	YANK001
Matrix:	Misc Liquid	Vol. Recv.:	
Collect Date:	03-MAY-04		
Receive Date:	26-MAY-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Liquid-TRU2 WG													
Americium-241	U	-0.0184	+/-0.173	0.148	+/-0.173	0.346	pCi/L		MLA	06/21/04	2118	342519	1
Curium-242	U	0.00	+/-0.109	0.0916	+/-0.109	0.245	pCi/L						
Curium-243/244	U	0.0738	+/-0.217	0.172	+/-0.217	0.393	pCi/L						
Alphaspec Pu, Liquid-TRU2 WG													
Plutonium-238	U	-0.0468	+/-0.041	0.0994	+/-0.0413	0.304	pCi/L		MLA	06/16/04	0929	340030	3
Plutonium-239/240	U	-0.0374	+/-0.0367	0.0888	+/-0.0369	0.283	pCi/L						
Liquid Scint Pu241, Liquid-TRU2 WG													
Plutonium-241	U	6.11	+/-4.54	3.73	+/-4.57	7.55	pCi/L		MLA	06/22/04	0120	340033	4
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Liquid-GAM2 WG													
Actinium-228	U	5.14	+/-12.8	11.1	+/-12.5	24.6	pCi/L		SRB	06/18/04	0932	339720	5
Americium-241	U	3.55	+/-17.2	14.9	+/-16.9	31.5	pCi/L						
Bismuth-212	U	16.5	+/-25.7	23.1	+/-25.2	51.1	pCi/L						
Bismuth-214	U	9.71	+/-8.21	7.51	+/-8.05	16.0	pCi/L						
Cesium-134	U	0.00	+/-8.42	3.40	+/-8.25	7.54	pCi/L						
	UI												
Cesium-137		212	+/-22.4	3.56	+/-23.0	7.72	pCi/L						
Cobalt-60	U	6.25	+/-6.50	2.76	+/-6.37	6.50	pCi/L						
Europium-152	U	10.4	+/-11.4	9.76	+/-11.1	20.7	pCi/L						
Europium-154	U	-1.41	+/-11.5	8.95	+/-11.3	20.6	pCi/L						
Europium-155	U	5.89	+/-11.6	10.0	+/-11.3	21.0	pCi/L						
Lead-212	U	7.82	+/-6.90	5.99	+/-6.76	12.5	pCi/L						
Lead-214	U	5.98	+/-8.08	6.86	+/-7.92	14.5	pCi/L						
Manganese-54	U	-2.56	+/-3.47	2.51	+/-3.40	5.72	pCi/L						
Niobium-94	U	-2.57	+/-3.35	2.53	+/-3.29	5.59	pCi/L						
Potassium-40	U	79.0	+/-49.9	49.7	+/-49.0	109	pCi/L						
Silver-108m	U	2.54	+/-4.60	3.10	+/-4.51	6.64	pCi/L						
Thallium-208	U	8.16	+/-7.69	4.27	+/-7.54	9.10	pCi/L						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, liquid-HTD2 WG													
Strontium-90		23.0	+/-1.46	0.522	+/-6.19	1.10	pCi/L		HOB1	06/17/04	2146	340973	6
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Liquid-ALL,STND,MIX,PENN WG													
Tritium		54500	+/-563	98.5	+/-1030	197	pCi/L		JLB1	06/18/04	1549	340954	7
Liquid Scint C14, Liquid-ALL WG													
Carbon-14	U	-24.6	+/-33.8	28.9	+/-34.1	59.1	pCi/L		MWX1	06/21/04	1957	342821	8

GENERAL ENGINEERING LABORATORIES, LLC

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Certificate of Analysis

Company : CYAPCo
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Dave Keefer
Project: SPLP PO# 002337

Report Date: June 22, 2004

Client Sample ID: 3100-0000-185-C-1C-01
Sample ID: 113667004

Project: YANK00104
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint Fe55, Liquid-HTD2 WG													
Iron-55	U	-7.25	+/-12.6	4.80	+/-12.6	9.92	pCi/L		JLB1	06/20/04	2212	340950	10
Liquid Scint Ni63, Liquid-HTD2 WG													
Nickel-63		10.6	+/-4.66	3.61	+/-4.67	7.43	pCi/L		JLB1	06/20/04	0649	340951	11
Liquid Scint Tc99, Liquid-ALL WG													
Technetium-99	U	-2.65	+/-4.17	3.57	+/-4.18	7.34	pCi/L		DAJ1	06/21/04	0053	340926	12

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Am-05-RC Modified
3	DOE EML HASL-300, Pu-11-RC Modified
4	DOE EML HASL-300, Pu-11-RC Modified
5	EPA 901.1
6	EPA 905.0 Modified
7	EPA 906.0 Modified
8	EPA EERF C-01 Modified
9	EPA EERF C-01 Modified
10	DOE RESL Fe-1, Modified
11	DOE RESL Ni-1, Modified
12	DOE EML HASL-300, Tc-02-RC Modified

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Liquid-TR	90	(25%-125%)
Plutonium-242	Alphaspec Pu, Liquid-TRU2 WG	82	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Liquid-TRU2	86	
Carrier/Tracer Recovery	GFPC, Sr90, liquid-HTD2 WG	100	
Carrier/Tracer Recovery	Liquid Scint Fe55, Liquid-HTD2 V	78	
Carrier/Tracer Recovery	Liquid Scint Ni63, Liquid-HTD2 V	96	
Carrier/Tracer Recovery	Liquid Scint Tc99, Liquid-ALL W	102	

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

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

Certificate of Analysis

Company : CYAPCo
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Dave Keefer
Project: SPLP PO# 002337

Report Date: June 22, 2004

Client Sample ID: 3100-0000-185-C-1C-01
Sample ID: 113667004

Project: YANK00104
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on an "as received" basis.

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

Reviewed by

QUALITY CONTROL DATA

GENERAL ENGINEERING LABORATORIES, LLC

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

QC Summary

Report Date: June 23, 2004

Client : CYAPCo
Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut

Contact: Dave Keefer

Workorder: 113667

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Alpha Spec										
Batch 340030										
QC1200641218 113667003 DUP										
Plutonium-238	U	-0.014	U	-0.00814	pCi/L	N/A		(0% - 100%)	MLA	06/16/04 09:29
Uncert:		+/-0.0722		+/-0.0684						
TPU:		+/-0.0722		+/-0.0684						
Plutonium-239/240	U	0.0558	U	0.0258	pCi/L	74		(0% - 100%)		
Uncert:		+/-0.0892		+/-0.0683						
TPU:		+/-0.0894		+/-0.0684						
QC1200641220 LCS										
Plutonium-238			U	0.0545	pCi/L			(75%-125%)		
Uncert:				+/-0.108						
TPU:				+/-0.108						
Plutonium-239/240	12.0			13.2	pCi/L		110	(75%-125%)		
Uncert:				+/-1.24						
TPU:				+/-1.95						
QC1200641217 MB										
Plutonium-238			U	0.0395	pCi/L					06/16/04 09:29
Uncert:				+/-0.111						
TPU:				+/-0.111						
Plutonium-239/240			U	0.0213	pCi/L					
Uncert:				+/-0.114						
TPU:				+/-0.114						
QC1200641219 113667003 MS										
Plutonium-238	U	-0.014	U	0.153	pCi/L			(75%-125%)		06/16/04 09:29
Uncert:		+/-0.0722		+/-0.170						
TPU:		+/-0.0722		+/-0.171						
Plutonium-239/240	12.0 U	0.0558		13.7	pCi/L		114	(75%-125%)		
Uncert:		+/-0.0892		+/-1.41						
TPU:		+/-0.0894		+/-2.18						
Batch 340033										
QC1200641222 113667003 DUP										
Plutonium-241	U	1.57	U	1.87	pCi/L	17		(0% - 100%)	MLA	06/22/04 05:27
Uncert:		+/-4.70		+/-4.51						
TPU:		+/-4.70		+/-4.51						
QC1200641224 LCS										
Plutonium-241	178			163	pCi/L		92	(75%-125%)		06/22/04 08:45
Uncert:				+/-8.88						
TPU:				+/-17.3						
QC1200641221 MB										
Plutonium-241			U	3.67	pCi/L					06/22/04 03:24
Uncert:				+/-4.02						
TPU:				+/-4.03						
QC1200641223 113667003 MS										
Plutonium-241	179 U	1.57		164	pCi/L		91	(75%-125%)		06/22/04 07:31
Uncert:		+/-4.70		+/-9.74						

QC Summary

Workorder: 113667

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Alpha Spec										
Batch 340033										
	TPU:	+/-4.70		+/-21.2						
Batch 342519										
QC1200647381 113667004 DUP										
Americium-241	U	-0.0184	U	-0.038	pCi/L	N/A		(0% - 100%)	MLA	06/21/04 21:18
	Uncert:	+/-0.173		+/-0.190						
	TPU:	+/-0.173		+/-0.190						
Curium-242	U	0.00	U	0.00	pCi/L	0		(0% - 100%)		
	Uncert:	+/-0.109		+/-0.115						
	TPU:	+/-0.109		+/-0.115						
Curium-243/244	U	0.0738	U	-0.0573	pCi/L	N/A		(0% - 100%)		
	Uncert:	+/-0.217		+/-0.221						
	TPU:	+/-0.217		+/-0.221						
QC1200647383 LCS										
Americium-241	26.9			26.9	pCi/L		100	(75%-125%)		
	Uncert:			+/-1.37						
	TPU:			+/-3.30						
Curium-242			U	-0.018	pCi/L					
	Uncert:			+/-0.0791						
	TPU:			+/-0.0791						
Curium-243/244	34.5			36.2	pCi/L		105			
	Uncert:			+/-1.60						
	TPU:			+/-4.35						
QC1200647380 MB										
Americium-241				0.0539	pCi/L					
	Uncert:			+/-0.061						
	TPU:			+/-0.0613						
Curium-242			U	-0.0361	pCi/L					
	Uncert:			+/-0.0501						
	TPU:			+/-0.0502						
Curium-243/244			U	0.0359	pCi/L					
	Uncert:			+/-0.141						
	TPU:			+/-0.141						
QC1200647382 113667004 MS										
Americium-241	107 U	-0.0184		110	pCi/L		103	(75%-125%)		
	Uncert:	+/-0.173		+/-5.48						
	TPU:	+/-0.173		+/-13.4						
Curium-242	U	0.00	U	0.609	pCi/L					
	Uncert:	+/-0.109		+/-0.661						
	TPU:	+/-0.109		+/-0.664						
Curium-243/244	139 U	0.0738		144	pCi/L		104			
	Uncert:	+/-0.217		+/-6.28						
	TPU:	+/-0.217		+/-17.2						
Rad Gamma Spec										
Batch 339720										
QC1200640461 113667004 DUP										
Actinium-228	U	5.14	U	5.30	pCi/L	3		(0% - 100%)	SRB	06/19/04 15:35
	Uncert:	+/-12.8		+/-13.6						
	TPU:	+/-12.5		+/-13.3						

QC Summary

Workorder: 113667

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 339720											
Americium-241	U	3.55	U	-0.0391	pCi/L	N/A		(0% - 100%)			
	Uncert:	+/-17.2		+/-22.7							
	TPU:	+/-16.9		+/-22.2							
Bismuth-212	U	16.5	U	10.3	pCi/L	46		(0% - 100%)			
	Uncert:	+/-25.7		+/-31.4							
	TPU:	+/-25.2		+/-30.8							
Bismuth-214	U	9.71	U	11.5	pCi/L	17		(0% - 100%)			
	Uncert:	+/-8.21		+/-8.37							
	TPU:	+/-8.05		+/-8.21							
Cesium-134	UUI	0.00	U	5.86	pCi/L	35		(0% - 100%)			
	Uncert:	+/-8.42		+/-3.69							
	TPU:	+/-8.25		+/-3.62							
Cesium-137		212		211	pCi/L	0		(0% - 20%)			
	Uncert:	+/-22.4		+/-22.7							
	TPU:	+/-23.0		+/-23.2							
Cobalt-60	U	6.25	U	7.44	pCi/L	17		(0% - 100%)			
	Uncert:	+/-6.50		+/-7.67							
	TPU:	+/-6.37		+/-7.52							
Europium-152	U	10.4	U	0.795	pCi/L	172		(0% - 100%)			
	Uncert:	+/-11.4		+/-11.1							
	TPU:	+/-11.1		+/-10.9							
Europium-154	U	-1.41	U	-1.08	pCi/L	N/A		(0% - 100%)			
	Uncert:	+/-11.5		+/-10.6							
	TPU:	+/-11.3		+/-10.4							
Europium-155	U	5.89	U	2.97	pCi/L	66		(0% - 100%)			
	Uncert:	+/-11.6		+/-10.7							
	TPU:	+/-11.3		+/-10.5							
Lead-212	U	7.82	U	13.1	pCi/L	50		(0% - 100%)			
	Uncert:	+/-6.90		+/-7.45							
	TPU:	+/-6.76		+/-7.31							
Lead-214	U	5.98	U	1.31	pCi/L	128		(0% - 100%)			
	Uncert:	+/-8.08		+/-9.41							
	TPU:	+/-7.92		+/-9.22							
Manganese-54	U	-2.56	U	-2.81	pCi/L	N/A		(0% - 100%)			
	Uncert:	+/-3.47		+/-4.12							
	TPU:	+/-3.40		+/-4.04							
Niobium-94	U	-2.57	U	1.87	pCi/L	N/A		(0% - 100%)			
	Uncert:	+/-3.35		+/-2.97							
	TPU:	+/-3.29		+/-2.91							
Potassium-40	U	79.0	U	47.9	pCi/L	49		(0% - 100%)			
	Uncert:	+/-49.9		+/-48.9							
	TPU:	+/-49.0		+/-48.0							
Silver-108m	U	2.54	U	-0.661	pCi/L	N/A		(0% - 100%)			
	Uncert:	+/-4.60		+/-3.96							
	TPU:	+/-4.51		+/-3.88							
Thallium-208	U	8.16	U	5.01	pCi/L	48		(0% - 100%)			
	Uncert:	+/-7.69		+/-6.18							
	TPU:	+/-7.54		+/-6.06							

QC Summary

Workorder: 113667

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 339720										
QC1200640463 LCS										
Actinium-228			U	33.5	pCi/L					06/18/04 09:34
	Uncert:			+/-66.7						
	TPU:			+/-65.3						
Americium-241	937			982	pCi/L		105	(75%-125%)		
	Uncert:			+/-239						
	TPU:			+/-237						
Bismuth-212			U	96.5	pCi/L					
	Uncert:			+/-145						
	TPU:			+/-142						
Bismuth-214			U	0.348	pCi/L					
	Uncert:			+/-29.0						
	TPU:			+/-28.4						
Cesium-134			U	-8.92	pCi/L					
	Uncert:			+/-17.0						
	TPU:			+/-16.7						
Cesium-137	370			372	pCi/L		101	(75%-125%)		
	Uncert:			+/-54.5						
	TPU:			+/-54.7						
Cobalt-60	573			650	pCi/L		113	(75%-125%)		
	Uncert:			+/-83.0						
	TPU:			+/-83.9						
Europium-152			U	-18.3	pCi/L					
	Uncert:			+/-40.1						
	TPU:			+/-39.3						
Europium-154			U	-21.2	pCi/L					
	Uncert:			+/-38.9						
	TPU:			+/-38.1						
Europium-155			U	-41.7	pCi/L					
	Uncert:			+/-55.9						
	TPU:			+/-54.8						
Lead-212				48.4	pCi/L					
	Uncert:			+/-44.0						
	TPU:			+/-43.1						
Lead-214			U	-2.34	pCi/L					
	Uncert:			+/-30.1						
	TPU:			+/-29.5						
Manganese-54			U	-8.27	pCi/L					
	Uncert:			+/-15.6						
	TPU:			+/-15.3						
Niobium-94			U	-10.6	pCi/L					
	Uncert:			+/-16.0						
	TPU:			+/-15.7						
Potassium-40			U	37.5	pCi/L					
	Uncert:			+/-146						
	TPU:			+/-143						
Silver-108m			U	-12	pCi/L					
	Uncert:			+/-14.3						
	TPU:			+/-14.0						

QC Summary

Workorder: 113667

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 339720											
Thallium-208			U	12.1	pCi/L						
	Uncert:			+/-16.0							
	TPU:			+/-15.7							
QC1200640460 MB											
Actinium-228			U	9.59	pCi/L					06/18/04	09:33
	Uncert:			+/-20.1							
	TPU:			+/-19.7							
Americium-241			U	-12.1	pCi/L						
	Uncert:			+/-16.7							
	TPU:			+/-16.4							
Bismuth-212			U	26.0	pCi/L						
	Uncert:			+/-26.3							
	TPU:			+/-25.8							
Bismuth-214			U	4.86	pCi/L						
	Uncert:			+/-13.9							
	TPU:			+/-13.6							
Cesium-134			U	5.47	pCi/L						
	Uncert:			+/-3.88							
	TPU:			+/-3.81							
Cesium-137			U	-1.05	pCi/L						
	Uncert:			+/-3.56							
	TPU:			+/-3.49							
Cobalt-60			U	3.05	pCi/L						
	Uncert:			+/-3.86							
	TPU:			+/-3.79							
Europium-152			U	6.07	pCi/L						
	Uncert:			+/-12.1							
	TPU:			+/-11.8							
Europium-154			U	6.24	pCi/L						
	Uncert:			+/-10.2							
	TPU:			+/-10.0							
Europium-155			U	1.35	pCi/L						
	Uncert:			+/-9.76							
	TPU:			+/-9.57							
Lead-212			U	0.448	pCi/L						
	Uncert:			+/-10.6							
	TPU:			+/-10.4							
Lead-214			U	5.96	pCi/L						
	Uncert:			+/-9.98							
	TPU:			+/-9.79							
Manganese-54			U	-0.914	pCi/L						
	Uncert:			+/-3.07							
	TPU:			+/-3.00							
Niobium-94			U	2.74	pCi/L						
	Uncert:			+/-3.14							
	TPU:			+/-3.07							
Potassium-40			UUI	0.00	pCi/L						
	Uncert:			+/-67.4							

QC Summary

Workorder: 113667

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 339720											
	TPU:			+/-66.1							
Silver-108m			U	3.01	pCi/L						
	Uncert:			+/-3.14							
	TPU:			+/-3.08							
Thallium-208			U	3.41	pCi/L						
	Uncert:			+/-3.95							
	TPU:			+/-3.88							
QC1200640462 113667004 MS											
Actinium-228	U	5.14	U	848	pCi/L					06/18/04	09:33
	Uncert:	+/-12.8		+/-652							
	TPU:	+/-12.5		+/-2740							
Americium-241	9370 U	3.55		10400	pCi/L		111				
	Uncert:	+/-17.2		+/-1870							
	TPU:	+/-16.9		+/-32700							
Bismuth-212	U	16.5	U	469	pCi/L						
	Uncert:	+/-25.7		+/-1130							
	TPU:	+/-25.2		+/-1840							
Bismuth-214	U	9.71	U	161	pCi/L						
	Uncert:	+/-8.21		+/-271							
	TPU:	+/-8.05		+/-571							
Cesium-134	UUI	0.00	U	59.6	pCi/L						
	Uncert:	+/-8.42		+/-174							
	TPU:	+/-8.25		+/-253							
Cesium-137	3710	212		3720	pCi/L		95				
	Uncert:	+/-22.4		+/-565							
	TPU:	+/-23.0		+/-11700							
Cobalt-60	5820 U	6.25		5420	pCi/L		93				
	Uncert:	+/-6.50		+/-681							
	TPU:	+/-6.37		+/-17000							
Europium-152	U	10.4	U	18.5	pCi/L						
	Uncert:	+/-11.4		+/-349							
	TPU:	+/-11.1		+/-347							
Europium-154	U	-1.41	U	-50	pCi/L						
	Uncert:	+/-11.5		+/-341							
	TPU:	+/-11.3		+/-369							
Europium-155	U	5.89	U	-102	pCi/L						
	Uncert:	+/-11.6		+/-412							
	TPU:	+/-11.3		+/-516							
Lead-212	U	7.82	U	58.6	pCi/L						
	Uncert:	+/-6.90		+/-209							
	TPU:	+/-6.76		+/-275							
Lead-214	U	5.98	U	217	pCi/L						
	Uncert:	+/-8.08		+/-255							
	TPU:	+/-7.92		+/-726							
Manganese-54	U	-2.56	U	118	pCi/L						
	Uncert:	+/-3.47		+/-177							
	TPU:	+/-3.40		+/-410							
Niobium-94	U	-2.57	U	19.8	pCi/L						

QC Summary

Workorder: 113667

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 339720										
	Uncert:	+/-3.35		+/-131						
	TPU:	+/-3.29		+/-143						
Potassium-40	U	79.0	U	1470	pCi/L					
	Uncert:	+/-49.9		+/-1180						
	TPU:	+/-49.0		+/-4750						
Silver-108m	U	2.54	U	40.1	pCi/L					
	Uncert:	+/-4.60		+/-113						
	TPU:	+/-4.51		+/-168						
Thallium-208	U	8.16	U	-145	pCi/L					
	Uncert:	+/-7.69		+/-154						
	TPU:	+/-7.54		+/-480						
Rad Gas Flow										
Batch 340973										
QC1200643663 113759018 DUP										
Strontium-90	U	0.289	U	0.112	pCi/L	89		(0% - 100%)	HOB1	06/18/04 13:40
	Uncert:	+/-0.506		+/-0.515						
	TPU:	+/-0.511		+/-0.516						
QC1200643665 LCS										
Strontium-90	45.9			48.2	pCi/L		105	(75%-125%)		
	Uncert:			+/-2.50						
	TPU:			+/-14.2						
QC1200643662 MB										
Strontium-90			U	0.670	pCi/L					
	Uncert:			+/-0.618						
	TPU:			+/-0.646						
QC1200643664 113759018 MS										
Strontium-90	92.4 U	0.289		89.7	pCi/L		97	(75%-125%)		
	Uncert:	+/-0.506		+/-4.54						
	TPU:	+/-0.511		+/-24.0						
Rad Liquid Scintillation										
Batch 340926										
QC1200644474 113759011 DUP										
Technetium-99	U	-3.36	U	-1.44	pCi/L	N/A		(0% - 100%)	DAJ1	06/21/04 04:38
	Uncert:	+/-4.12		+/-4.15						
	TPU:	+/-4.15		+/-4.16						
QC1200643525 LCS										
Technetium-99	392			392	pCi/L		100	(75%-125%)		06/21/04 05:42
	Uncert:			+/-11.4						
	TPU:			+/-61.2						
QC1200643522 MB										
Technetium-99			U	-1.03	pCi/L					06/21/04 04:06
	Uncert:			+/-4.30						
	TPU:			+/-4.30						
QC1200644475 113759011 MS										
Technetium-99	392 U	-3.36		416	pCi/L		106	(75%-125%)		06/21/04 05:10
	Uncert:	+/-4.12		+/-11.6						
	TPU:	+/-4.15		+/-64.8						
Batch 340950										

QC Summary

Workorder: 113667

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Liquid Scintillation										
Batch 340950										
QC1200643609 113759015 DUP										
Iron-55	U	-17.7	U	-27.2	pCi/L	N/A		(0% - 100%)	JLB1	06/21/04 05:30
	Uncert:	+/-12.8		+/-11.9						
	TPU:	+/-12.8		+/-12.0						
QC1200643611 LCS										
Iron-55	55.1			51.7	pCi/L		94*	(0%-%)		06/21/04 07:35
	Uncert:			+/-11.9						
	TPU:			+/-12.1						
QC1200643608 MB										
Iron-55			U	-14	pCi/L					06/21/04 04:27
	Uncert:			+/-11.2						
	TPU:			+/-11.2						
QC1200643610 113759015 MS										
Iron-55	59.0 U	-17.7		45.4	pCi/L		77*	(0%-%)		06/21/04 06:32
	Uncert:	+/-12.8		+/-13.5						
	TPU:	+/-12.8		+/-13.6						
Batch 340951										
QC1200643613 113759015 DUP										
Nickel-63	U	1.50	U	3.48	pCi/L	0		(0% - 100%)	JLB1	06/20/04 10:28
	Uncert:	+/-6.36		+/-6.43						
	TPU:	+/-6.37		+/-6.43						
QC1200643615 LCS										
Nickel-63	249			214	pCi/L		86	(75%-125%)		06/20/04 11:31
	Uncert:			+/-9.99						
	TPU:			+/-10.8						
QC1200643612 MB										
Nickel-63			U	-0.198	pCi/L					06/20/04 09:57
	Uncert:			+/-5.11						
	TPU:			+/-5.11						
QC1200643614 113759015 MS										
Nickel-63	250 U	1.50		203	pCi/L		81	(75%-125%)		06/20/04 11:00
	Uncert:	+/-6.36		+/-9.37						
	TPU:	+/-6.37		+/-10.2						
Batch 340954										
QC1200643625 113759005 DUP										
Tritium		325		323	pCi/L	1		(0% - 100%)	JLB1	06/19/04 06:14
	Uncert:	+/-140		+/-138						
	TPU:	+/-140		+/-138						
QC1200643627 LCS										
Tritium	3240			3110	pCi/L		96	(75%-125%)		06/19/04 08:46
	Uncert:			+/-258						
	TPU:			+/-263						
QC1200643624 MB										
Tritium			U	-8.7	pCi/L					06/19/04 04:11
	Uncert:			+/-117						
	TPU:			+/-117						
QC1200643626 113759005 MS										
Tritium	3280	325		3440	pCi/L		95	(75%-125%)		06/19/04 07:46
	Uncert:	+/-140		+/-223						

QC Summary

Workorder: 113667

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Liquid Scintillation										
Batch 340954										
	TPU:	+/-140		+/-230						
Batch 342821										
QC1200648255 113810002 DUP										
Carbon-14		17.9		13.4	pCi/L	29		(0% - 100%)	MWX	06/21/04 22:32
	Uncert:	+/-6.23		+/-6.14						
	TPU:	+/-6.26		+/-6.16						
QC1200648257 LCS										
Carbon-14	219			215	pCi/L		98	(75%-125%)		06/21/04 23:34
	Uncert:			+/-9.80						
	TPU:			+/-12.2						
QC1200648254 MB										
Carbon-14			U	-7.53	pCi/L					06/21/04 22:01
	Uncert:			+/-5.57						
	TPU:			+/-5.58						
QC1200648256 113810002 MS										
Carbon-14	219	17.9		224	pCi/L		94	(75%-125%)		06/21/04 23:03
	Uncert:	+/-6.23		+/-9.92						
	TPU:	+/-6.26		+/-12.5						

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

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

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.
** Indicates analyte is a surrogate compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

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

3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	584	44.1	PCI/G	0		27/05/2004	38139.22639	10:16	0.173	PCI/G	0.0863	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	70.9	4.87	PCI/G	0		27/05/2004	38139.22639	10:16	0.079	PCI/G	0.0389	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	7.68	0.939	PCI/G	0		27/05/2004	38139.22639	10:16	0.484	PCI/G	0.236	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	-0.02	0.0753	PCI/G	0	U	27/05/2004	38139.22639	10:16	0.126	PCI/G	0.0628	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	1.25	0.183	PCI/G	0		27/05/2004	38139.22639	10:16	0.13	PCI/G	0.0645	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.227	0.176	PCI/G	0	U	27/05/2004	38139.22639	10:16	0.3	PCI/G	0.149	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.282	0.322	PCI/G	0	U	27/05/2004	38139.22639	10:16	0.52	PCI/G	0.258	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	-0.0458	0.252	PCI/G	0	U	27/05/2004	38139.22639	10:16	0.472	PCI/G	0.236	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	-0.0435	0.14	PCI/G	0	U	27/05/2004	38139.22639	10:16	0.251	PCI/G	0.125	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	14596-10-2	Americium-241	TRG 8	UHASL300	HASL300	REG	1.22	0.64	PCI/G	0		27/05/2004	38139.22639	10:16	0.902	PCI/G	0.45	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	-0.0394	0.0522	PCI/G	0	U	27/05/2004	38139.22639	10:16	0.0887	PCI/G	0.044	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	-0.228	0.353	PCI/G	0	U	27/05/2004	38139.22639	10:16	0.599	PCI/G	0.299	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.227	0.176	PCI/G	0	U	27/05/2004	38139.22639	10:16	0.307	PCI/G	0.153	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	-0.0204	0.484	PCI/G	0	U	27/05/2004	38139.22639	10:16	0.827	PCI/G	0.411	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.0594	0.116	PCI/G	0	U	27/05/2004	38139.22639	10:16	0.175	PCI/G	0.0874	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.368	0.336	PCI/G	0	U	27/05/2004	38139.22639	10:16	0.436	PCI/G	0.218	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.418	0.201	PCI/G	0		27/05/2004	38139.22639	10:16	0.309	PCI/G	0.154	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	0	0.22	PCI/G	0	UUI	27/05/2004	38139.22639	10:16	0.23	PCI/G	0.113	PCI/G	1	6.9	166	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	337634	14119-32-5	Plutonium-241	TRG 36	UPU11RCM	PU11RCM	REG	9.86	2.49	PCI/G	0		28/05/2004	38142.02014	10:00	3.71	PCI/G	1.8	PCI/G	1	6.9	2	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	337640	14596-10-2	Americium-241	TRG 1	UAM05RCM	AM05RCM	REG	0.741	0.148	PCI/G	0		28/05/2004	38142.01944	12:32	0.063	PCI/G	0.0212	PCI/G	1	6.9	0.978	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	337640	OER-100-93	Curium-242	TRG 1	UAM05RCM	AM05RCM	REG	-0.013	0.0104	PCI/G	0	U	28/05/2004	38142.01944	12:32	0.0748	PCI/G	0.0252	PCI/G	1	6.9	0.978	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	337640	OER-101-57	Curium-243/244	TRG 1	UAM05RCM	AM05RCM	REG	0.11	0.0628	PCI/G	0		28/05/2004	38142.01944	12:32	0.0783	PCI/G	0.0288	PCI/G	1	6.9	0.978	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	337644	13981-16-3	Plutonium-238	TRG 32	UPU11RCM	PU11RCM	REG	0.632	0.132	PCI/G	0		28/05/2004	38142.01944	12:32	0.0751	PCI/G	0.0283	PCI/G	1	6.9	0.978	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	337644	OER-100-70	Plutonium-239/240	TRG 32	UPU11RCM	PU11RCM	REG	0.242	0.081	PCI/G	0		28/05/2004	38142.01944	12:32	0.0457	PCI/G	0.0136	PCI/G	1	6.9	0.978	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	338894	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	25.4	1.06	PCI/G	0		20/05/2004	04:0011/06/2004	12:14	0.544	PCI/G	0.258	PCI/G	1	6.9	4.01	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	338964	14681-59-5	Iron-55	TRG 26	ULSC	LSC	REG	10.2	3.5	PCI/G	0		28/05/2004	38142.02153	11:17	2.75	PCI/G	1.31	PCI/G	1	6.9	3.81	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	338970	13781-37-8	Nickel-63	TRG 30	ULSC	LSC	REG	1620	31.6	PCI/G	0		28/05/2004	38142.02083	4:20	5.02	PCI/G	2.29	PCI/G	1	6.9	3.81	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	339054	10098-97-2	Strontium-90	TRG 45	UE905M	E905M	REG	0.952	0.0247	PCI/G	0		28/05/2004	38142.02222	6:16	0.0116	PCI/G	0.00559	PCI/G	1	6.9	11.3	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	339601	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	0.33	0.537	PCI/G	0	U	20/05/2004	04:0016/06/2004	9:35	0.906	PCI/G	0.444	PCI/G	1	6.9	2.57	G	PCI/G	PR	
3100-0000-186-C-1C-01	MSR#04-1488	113280001	339615	10028-17-8	Tritium	TRG 20	UE906.0	E906.0	REG	1170	23.2	PCI/G	0		20/05/2004	04:0011/06/2004	6:15	5.96	PCI/G	2.98	PCI/G	1	6.9			PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	1.59	0.112	PCI/G	0		20/05/2004	38142.50417	10:16	0.0186	PCI/G	0.00887	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	0.011	0.0121	PCI/G	0	U	20/05/2004	38142.50417	10:16	0.023	PCI/G	0.0108	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	8.27	0.744	PCI/G	0		20/05/2004	38142.50417	10:16	0.163	PCI/G	0.0748	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	0.00134	0.0108	PCI/G	0	U	20/05/2004	38142.50417	10:16	0.019	PCI/G	0.00905	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	0	0.018	PCI/G	0	UUI	20/05/2004	38142.50417	10:16	0.0238	PCI/G	0.0114	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.462	0.0641	PCI/G	0		20/05/2004	38142.50417	10:16	0.038	PCI/G	0.0183	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.49	0.0971	PCI/G	0		20/05/2004	38142.50417	10:16	0.0682	PCI/G	0.0324	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	-0.00384	0.0294	PCI/G	0	U	20/05/2004	38142.50417	10:16	0.0554	PCI/G	0.0271	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	-0.0113	0.0115	PCI/G	0	U	20/05/2004	38142.50417	10:16	0.0203	PCI/G	0.00983	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	14596-10-2	Americium-241	TRG 8	UHASL300	HASL300	REG	0.0171	0.0464	PCI/G	0	U	20/05/2004	38142.50417	10:16	0.083	PCI/G	0.0406	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	0.00543	0.00968	PCI/G	0	U	20/05/2004	38142.50417	10:16	0.0176	PCI/G	0.00844	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	-0.0109	0.0336	PCI/G	0	U	20/05/2004	38142.50417	10:16	0.0574	PCI/G	0.0279	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.462	0.0641	PCI/G	0		20/05/2004	38142.50417	10:16	0.038	PCI/G	0.0183	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	0.27	0.142	PCI/G	0		20/05/2004	38142.50417	10:16	0.145	PCI/G	0.0692	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.17	0.0287	PCI/G	0		20/05/2004	38142.50417	10:16	0.0189	PCI/G	0.00908	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.525	0.0717	PCI/G	0		20/05/2004	38142.50417	10:16	0.0408	PCI/G	0.0198	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.488	0.0554	PCI/G	0		20/05/2004	38142.50417	10:16	0.0327	PCI/G	0.016	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-02	MSR#04-1488	113280002	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	-0.0253	0.0318	PCI/G	0	U	20/05/2004	38142.50417	10:16	0.0534	PCI/G	0.0249	PCI/G	1	9.2	162	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	0	0.0419	PCI/G	0	UUI	20/05/2004	38142.50417	10:17	0.0441	PCI/G	0.0208	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	0.051	0.0357	PCI/G	0	U	20/05/2004	38142.50417	10:17	0.0686	PCI/G	0.0319	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	6.44	1.14	PCI/G	0		20/05/2004	38142.50417	10:17	0.499	PCI/G	0.225	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	-0.0128	0.0293	PCI/G	0	U	20/05/2004	38142.50417	10:17	0.0456	PCI/G	0.0213	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	0.0212	0.0412	PCI/G	0	U	20/05/2004	38142.50417	10:17	0.0553	PCI/G	0.0261	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.469	0.133	PCI/G	0		20/05/2004	38142.50417	10:17	0.0833	PCI/G	0.0396	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.508	0.262	PCI/G	0		20/05/2004	38142.50417	10:17	0.18	PCI/G	0.0847	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	0.00408	0.0661	PCI/G	0	U	20/05/2004	38142.50417	10:17	0.098	PCI/G	0.0475	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	-0.0039	0.0208	PCI/G	0	U	20/05/2004	38142.50417	10:17	0.0334	PCI/G	0.0158	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	14596-10-2	Americium-241	TRG 8	UHASL300	HASL300	REG	0.11	0.15	PCI/G	0	U	20/05/2004	38142.50417	10:17	0.204	PCI/G	0.099	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	-0.00885	0.0262	PCI/G	0	U	20/05/2004	38142.50417	10:17	0.0411	PCI/G	0.0194	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	-0.0106	0.0638	PCI/G	0	U	20/05/2004	38142.50417	10:17	0.102	PCI/G	0.0488	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.469	0.133	PCI/G	0		20/05/2004	38142.50417	10:17	0.0833	PCI/G	0.0396	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	0.266	0.429	PCI/G	0	U	20/05/2004	38142.50417	10:17	0.382	PCI/G	0.181	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.176	0.0534	PCI/G	0		20/05/2004	38142.50417	10:17	0.0467	PCI/G	0.0222	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.584	0.133	PCI/G	0		20/05/2004	38142.50417	10:17	0.0694	PCI/G	0.0332	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.562	0.0806	PCI/G	0		20/05/2004	38142.50417	10:17	0.0555	PCI/G	0.0268	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-03	MSR#04-1488	113280003	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	0.0339	0.0906	PCI/G	0	U	20/05/2004	38142.50417	10:17	0.162	PCI/G	0.0746	PCI/G	1	6.2	21.1	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	0.0978	0.0351	PCI/G	0		20/05/2004	38142.50486	9:52	0.0292	PCI/G	0.0137	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	0.0106	0.0176	PCI/G	0	U	20/05/2004	38142.50486	9:52	0.0342	PCI/G	0.0157	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	8.73	0.948	PCI/G	0		20/05/2004	38142.50486	9:52	0.259	PCI/G	0.115	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	0.0117	0.0157	PCI/G	0	U	20/05/2004	38142.50486	9:52	0.0273	PCI/G	0.0127	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	0	0.025	PCI/G	0	UUI	20/05/2004	38142.50486	9:52	0.0367	PCI/G	0.0173	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.463	0.0813	PCI/G	0		20/05/2004	38142.50486	9:52	0.049	PCI/G	0.023	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.339	0.143	PCI/G	0		20/05/2004	38142.50486	9:52	0.0885	PCI/G	0.0406	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	0.00401	0.0434	PCI/G	0	U	20/05/2004	38142.50486	9:52	0.0836	PCI/G	0.0404	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	0.00184	0.0131	PCI/G	0	U	20/05/2004	38142.50486	9:52	0.0248	PCI/G	0.0118	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	14596-10-2	Americium-241	TRG 8	UHASL300	HASL300	REG	0.0881	0.0899	PCI/G	0	U	20/05/2004	38142.50486	9:52	0.168	PCI/G	0.0812	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	-0.00342	0.0136	PCI/G	0	U	20/05/2004	38142.50486	9:52	0.0242	PCI/G	0.0113	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	-0.019	0.0388	PCI/G	0	U	20/05/2004	38142.50486	9:52	0.0666	PCI/G	0.0316	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.463	0.0813	PCI/G	0		20/05/2004	38142.50486	9:52	0.049	PCI/G	0.023	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	0.271	0.188	PCI/G	0		20/05/2004	38142.50486	9:52	0.237	PCI/G	0.111	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.206	0.0393	PCI/G	0		20/05/2004	38142.50486	9:52	0.0263	PCI/G	0.0123	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.568	0.0859	PCI/G	0		20/05/2004	38142.50486	9:52	0.0527	PCI/G	0.0251	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.533	0.0734	PCI/G	0		20/05/2004	38142.50486	9:52	0.0451	PCI/G	0.0217	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-04	MSR#04-1488	113280004	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	0.039	0.0506	PCI/G	0	U	20/05/2004	38142.50486	9:52	0.0993	PCI/G	0.0458	PCI/G	1	10	158	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	0.163	0.0828	PCI/G	0		20/05/2004	38142.50486	9:54	0.067	PCI/G	0.0317	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	0.0266	0.0654	PCI/G	0	U	20/05/2004	38142.50486	9:54	0.102	PCI/G	0.0476	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	7.22	1.51	PCI/G	0		20/05/2004	38142.50486	9:54	0.772	PCI/G	0.353	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	0.0201	0.0442	PCI/G	0	U	20/05/2004	38142.50486	9:54	0.0747	PCI/G	0.0352	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	0.0336	0.045	PCI/G	0	U	20/05/2004	38142.50486	9:54	0.0777	PCI/G	0.0366	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.578	0.188	PCI/G	0		20/05/2004	38142.50486	9:54	0.119	PCI/G	0.0564	PCI/G	1	9.5	20.5	G	PCI/G	PR	

3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.442	0.299	PCI/G	0		20/05/2004	38142.50486	9:54	0.254	PCI/G	0.119	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	0.0871	0.109	PCI/G	0	U	20/05/2004	38142.50486	9:54	0.133	PCI/G	0.0644	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	0.0374	0.0348	PCI/G	0	U	20/05/2004	38142.50486	9:54	0.055	PCI/G	0.0263	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	14596-10-2	Americium-241	TRG 8	UHASL300	HASL300	REG	0.0743	0.142	PCI/G	0	U	20/05/2004	38142.50486	9:54	0.199	PCI/G	0.0963	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	0.0248	0.0386	PCI/G	0	U	20/05/2004	38142.50486	9:54	0.0654	PCI/G	0.0311	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	0.0308	0.105	PCI/G	0	U	20/05/2004	38142.50486	9:54	0.163	PCI/G	0.0785	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.578	0.188	PCI/G	0		20/05/2004	38142.50486	9:54	0.119	PCI/G	0.0564	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	0.161	0.307	PCI/G	0	U	20/05/2004	38142.50486	9:54	0.522	PCI/G	0.246	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0	0.0916	PCI/G	0	UUI	20/05/2004	38142.50486	9:54	0.0987	PCI/G	0.0477	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.397	0.168	PCI/G	0		20/05/2004	38142.50486	9:54	0.119	PCI/G	0.0571	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.597	0.133	PCI/G	0		20/05/2004	38142.50486	9:54	0.0886	PCI/G	0.0429	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-05	MSR#04-1488	113280005	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	-0.0209	0.122	PCI/G	0	U	20/05/2004	38142.50486	9:54	0.21	PCI/G	0.096	PCI/G	1	9.5	20.5	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	0	0.053	PCI/G	0	UUI	20/05/2004	38142.50486	9:55	0.0276	PCI/G	0.013	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	-0.00458	0.0164	PCI/G	0	U	20/05/2004	38142.50486	9:55	0.0289	PCI/G	0.0132	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	9.08	0.956	PCI/G	0		20/05/2004	38142.50486	9:55	0.281	PCI/G	0.128	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	-0.0063	0.0163	PCI/G	0	U	20/05/2004	38142.50486	9:55	0.0293	PCI/G	0.0137	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	0.0239	0.0229	PCI/G	0	U	20/05/2004	38142.50486	9:55	0.0333	PCI/G	0.0157	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.458	0.0873	PCI/G	0		20/05/2004	38142.50486	9:55	0.0487	PCI/G	0.023	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.604	0.137	PCI/G	0		20/05/2004	38142.50486	9:55	0.0888	PCI/G	0.0411	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	0.0269	0.0451	PCI/G	0	U	20/05/2004	38142.50486	9:55	0.0842	PCI/G	0.0409	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	0.00933	0.0129	PCI/G	0	U	20/05/2004	38142.50486	9:55	0.0246	PCI/G	0.0117	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	14596-10-2	Americium-241	TRG 8	UHASL300	HASL300	REG	0.0235	0.0653	PCI/G	0	U	20/05/2004	38142.50486	9:55	0.112	PCI/G	0.0545	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	0.00306	0.0144	PCI/G	0	U	20/05/2004	38142.50486	9:55	0.0258	PCI/G	0.0122	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	-0.0191	0.0394	PCI/G	0	U	20/05/2004	38142.50486	9:55	0.0708	PCI/G	0.0338	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.458	0.0873	PCI/G	0		20/05/2004	38142.50486	9:55	0.0487	PCI/G	0.023	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	0.191	0.231	PCI/G	0	U	20/05/2004	38142.50486	9:55	0.205	PCI/G	0.0961	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.183	0.0383	PCI/G	0		20/05/2004	38142.50486	9:55	0.0244	PCI/G	0.0114	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.54	0.0744	PCI/G	0		20/05/2004	38142.50486	9:55	0.0504	PCI/G	0.0241	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.483	0.0593	PCI/G	0		20/05/2004	38142.50486	9:55	0.0444	PCI/G	0.0215	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-06	MSR#04-1488	113280006	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	0.00605	0.0476	PCI/G	0	U	20/05/2004	38142.50486	9:55	0.0874	PCI/G	0.0402	PCI/G	1	7.3	164	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	0.0364	0.02	PCI/G	0		20/05/2004	38142.50486	9:56	0.026	PCI/G	0.0123	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	0.0206	0.0153	PCI/G	0	U	20/05/2004	38142.50486	9:56	0.0318	PCI/G	0.0147	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	6.71	0.765	PCI/G	0		20/05/2004	38142.50486	9:56	0.252	PCI/G	0.114	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	-0.0102	0.0125	PCI/G	0	U	20/05/2004	38142.50486	9:56	0.0211	PCI/G	0.00971	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	0.0194	0.0173	PCI/G	0	U	20/05/2004	38142.50486	9:56	0.0289	PCI/G	0.0136	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.393	0.0642	PCI/G	0		20/05/2004	38142.50486	9:56	0.0434	PCI/G	0.0205	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.407	0.108	PCI/G	0		20/05/2004	38142.50486	9:56	0.0786	PCI/G	0.0363	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	0.0251	0.0355	PCI/G	0	U	20/05/2004	38142.50486	9:56	0.0723	PCI/G	0.0349	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	-0.00602	0.0106	PCI/G	0	U	20/05/2004	38142.50486	9:56	0.0197	PCI/G	0.00931	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	14596-10-2	Americium-241	TRG 8	UHASL300	HASL300	REG	-0.0291	0.0938	PCI/G	0	U	20/05/2004	38142.50486	9:56	0.158	PCI/G	0.0757	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	0.00157	0.0114	PCI/G	0	U	20/05/2004	38142.50486	9:56	0.0212	PCI/G	0.00997	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	-0.0175	0.0334	PCI/G	0	U	20/05/2004	38142.50486	9:56	0.0585	PCI/G	0.0278	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.393	0.0642	PCI/G	0		20/05/2004	38142.50486	9:56	0.0434	PCI/G	0.0205	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	0.232	0.155	PCI/G	0		20/05/2004	38142.50486	9:56	0.198	PCI/G	0.093	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.129	0.029	PCI/G	0		20/05/2004	38142.50486	9:56	0.0228	PCI/G	0.0107	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.427	0.0711	PCI/G	0		20/05/2004	38142.50486	9:56	0.0437	PCI/G	0.0208	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.403	0.0515	PCI/G	0		20/05/2004	38142.50486	9:56	0.0391	PCI/G	0.0188	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-186-C-1C-07	MSR#04-1488	113280007	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	0	0.044	PCI/G	0	UUI	20/05/2004	38142.50486	9:56	0.0748	PCI/G	0.0342	PCI/G	1	6.7	192	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	1270	106	PCI/G	0		20/05/2004	38142.50486	9:57	0.397	PCI/G	0.198	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	240	13.5	PCI/G	0		20/05/2004	38142.50486	9:57	0.196	PCI/G	0.0966	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	8.18	1.45	PCI/G	0		20/05/2004	38142.50486	9:57	1.44	PCI/G	0.706	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	0.0491	0.222	PCI/G	0	U	20/05/2004	38142.50486	9:57	0.384	PCI/G	0.191	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	25.5	2.14	PCI/G	0		20/05/2004	38142.50486	9:57	0.402	PCI/G	0.2	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.5	0.451	PCI/G	0	U	20/05/2004	38142.50486	9:57	0.75	PCI/G	0.373	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.711	0.909	PCI/G	0	U	20/05/2004	38142.50486	9:57	1.56	PCI/G	0.774	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	-0.0494	0.448	PCI/G	0	U	20/05/2004	38142.50486	9:57	0.803	PCI/G	0.401	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	0.0094	0.329	PCI/G	0	U	20/05/2004	38142.50486	9:57	0.568	PCI/G	0.284	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	14596-10-2	Americium-241	TRG 8	UHASL300	HASL300	REG	4.16	0.492	PCI/G	0		20/05/2004	38142.50486	9:57	0.408	PCI/G	0.203	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	0.0791	0.187	PCI/G	0	U	20/05/2004	38142.50486	9:57	0.285	PCI/G	0.142	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	-0.259	0.734	PCI/G	0	U	20/05/2004	38142.50486	9:57	1.3	PCI/G	0.649	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.5	0.451	PCI/G	0	U	20/05/2004	38142.50486	9:57	0.757	PCI/G	0.377	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	1.14	1.65	PCI/G	0	U	20/05/2004	38142.50486	9:57	2.57	PCI/G	1.28	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.343	0.263	PCI/G	0	U	20/05/2004	38142.50486	9:57	0.441	PCI/G	0.22	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.57	0.6	PCI/G	0	U	20/05/2004	38142.50486	9:57	0.947	PCI/G	0.473	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.246	0.35	PCI/G	0	U	20/05/2004	38142.50486	9:57	0.644	PCI/G	0.321	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	1.86	0.653	PCI/G	0		20/05/2004	38142.50486	9:57	0.697	PCI/G	0.345	PCI/G	1	52	181	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	337634	14119-32-5	Plutonium-241	TRG 36	UPU11RCM	PU11RCM	REG	54.8	3.27	PCI/G	0		28/05/2004	38142.50625	10:31	3.1	PCI/G	1.5	PCI/G	1	52	2.06	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	337640	14596-10-2	Americium-241	TRG 1	UAM05RCM	AM05RCM	REG	7.06	0.41	PCI/G	0		28/05/2004	38142.51042	9:01	0.0413	PCI/G	0.0123	PCI/G	1	52	1	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	337640	OER-100-93	Curium-242	TRG 1	UAM05RCM	AM05RCM	REG	0.00747	0.0146	PCI/G	0	U	28/05/2004	38142.51042	9:01	0.0202	PCI/G	0	PCI/G	1	52	1	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	337640	OER-101-57	Curium-243/244	TRG 1	UAM05RCM	AM05RCM	REG	1.7	0.202	PCI/G	0		28/05/2004	38142.51042	9:01	0.0311	PCI/G	0.0071	PCI/G	1	52	1	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	337644	13981-16-3	Plutonium-238	TRG 32	UPU11RCM	PU11RCM	REG	5.08	0.338	PCI/G	0		28/05/2004	38142.50556	8:47	0.0558	PCI/G	0.02	PCI/G	1	52	1	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	337644	OER-100-70	Plutonium-239/240	TRG 32	UPU11RCM	PU11RCM	REG	1.92	0.208	PCI/G	0		28/05/2004	38142.50556	8:47	0.0389	PCI/G	0.0115	PCI/G	1	52	1	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	338894	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	70	1.72	PCI/G	0		20/05/2004	04:0011/06/2004	12:46	0.548	PCI/G	0.26	PCI/G	1	52	4.31	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	338964	14681-59-5	Iron-55	TRG 26	ULSC	LSC	REG	74	4.58	PCI/G	0		28/05/2004	38142.50764	12:03	2.5	PCI/G	1.19	PCI/G	1	52	3.87	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	338970	13781-37-8	Nickel-63	TRG 30	ULSC	LSC	REG	415	8.31	PCI/G	0		28/05/2004	38142.50694	4:33	2.57	PCI/G	1.23	PCI/G	1	52	3.87	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	339054	10098-97-2	Strontium-90	TRG 45	UE905M	E905M	REG	20.1	0.109	PCI/G	0		28/05/2004	38142.50833	6:58	0.00998	PCI/G	0.00478	PCI/G	1	52	11.3	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	339601	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	2.84	0.714	PCI/G	0		20/05/2004	04:0017/06/2004	1:34	1.21	PCI/G	0.588	PCI/G	1	52	2.67	G	PCI/G	PR	
3100-0000-185-C-1C-01	MSR#04-1488	113280008	339615	10028-17-8	Tritium	TRG 20	UE906.0	E906.0	REG	1400	27.5	PCI/G	0		20/05/2004	04:0011/06/2004	6:20	3.96	PCI/G	1.98	PCI/G	1	52			PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	6.02	0.553	PCI/G	0		20/05/2004	38142.50486	11:14	0.0339	PCI/G	0.0161	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	0.375	0.0497	PCI/G	0		20/05/2004	38142.50486	11:14	0.0294	PCI/G	0.0134	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	7.12	0.755	PCI/G	0		20/05/2004	38142.50486	11:14	0.213	PCI/G	0.0936	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	0.00777	0.0168	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.0323	PCI/G	0.0152	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	0	0.0258	PCI/G	0	UUI	20/05/2004	38142.50486	11:14	0.037	PCI/G	0.0175	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.356	0.0739	PCI/G	0		20/05/2004	38142.50486	11:14	0.0603	PCI/G	0.0287	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.435	0.12	PCI/G	0		20/05/2004	38142.50486	11:14	0.105	PCI/G	0.049	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	0.023	0.0499	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.0966	PCI/G	0.0471	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	0.00345	0.0229	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.0419	PCI/G	0.0204	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	14596-10-2	Americium-241	TRG 8	UHASL300	HASL300	REG	0.0515	0.0733	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.139	PCI/G	0.0674	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	0.00121	0.0148	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.0266	PCI/G	0.0126	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	0.152	0.0847	PCI/G	0		20/05/2004	38142.50486	11:14	0.105	PCI/G	0.0507	PCI/G	1	-84	182	G	PCI/G	PR	

3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.356	0.0739	PCI/G	0		20/05/2004	38142.50486	11:14	0.0603	PCI/G	0.0287	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	0.192	0.181	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.241	PCI/G	0.114	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.122	0.0362	PCI/G	0		20/05/2004	38142.50486	11:14	0.0374	PCI/G	0.0179	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.404	0.0957	PCI/G	0		20/05/2004	38142.50486	11:14	0.0782	PCI/G	0.038	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.349	0.055	PCI/G	0		20/05/2004	38142.50486	11:14	0.061	PCI/G	0.0298	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-02	MSR#04-1488	113280009	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	0.000275	0.0443	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.0811	PCI/G	0.037	PCI/G	1	-84	182	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	0.148	0.0377	PCI/G	0		20/05/2004	38142.50486	11:14	0.0255	PCI/G	0.012	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	0.0934	0.0325	PCI/G	0		20/05/2004	38142.50486	11:14	0.0276	PCI/G	0.0126	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	7.66	0.754	PCI/G	0		20/05/2004	38142.50486	11:14	0.265	PCI/G	0.12	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	0.0148	0.0254	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.0258	PCI/G	0.012	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	-0.000803	0.0161	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.0285	PCI/G	0.0133	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.364	0.0688	PCI/G	0		20/05/2004	38142.50486	11:14	0.0453	PCI/G	0.0213	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.381	0.114	PCI/G	0		20/05/2004	38142.50486	11:14	0.101	PCI/G	0.0472	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	0.044	0.0342	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.069	PCI/G	0.0334	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	-0.00434	0.0114	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.0207	PCI/G	0.00979	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	14596-10-2	Amencium-241	TRG 8	UHASL300	HASL300	REG	-0.0864	0.0594	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.0892	PCI/G	0.0429	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	0.0102	0.0128	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.0243	PCI/G	0.0115	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	0.0809	0.0607	PCI/G	0		20/05/2004	38142.50486	11:14	0.059	PCI/G	0.0281	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.364	0.0688	PCI/G	0		20/05/2004	38142.50486	11:14	0.0453	PCI/G	0.0213	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	0.269	0.13	PCI/G	0		20/05/2004	38142.50486	11:14	0.215	PCI/G	0.101	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.113	0.0283	PCI/G	0		20/05/2004	38142.50486	11:14	0.0258	PCI/G	0.0122	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.38	0.0713	PCI/G	0		20/05/2004	38142.50486	11:14	0.0463	PCI/G	0.0221	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.328	0.0447	PCI/G	0		20/05/2004	38142.50486	11:14	0.037	PCI/G	0.0178	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-03	MSR#04-1488	113280010	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	0.03	0.0442	PCI/G	0	U	20/05/2004	38142.50486	11:14	0.0858	PCI/G	0.0395	PCI/G	1	6.8	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	0.119	0.0404	PCI/G	0		20/05/2004	38142.57431	11:15	0.0351	PCI/G	0.0167	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	0.0827	0.0365	PCI/G	0		20/05/2004	38142.57431	11:15	0.0331	PCI/G	0.0153	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	7.46	0.778	PCI/G	0		20/05/2004	38142.57431	11:15	0.306	PCI/G	0.14	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	0.0149	0.0306	PCI/G	0	U	20/05/2004	38142.57431	11:15	0.0349	PCI/G	0.0165	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	0.0289	0.0352	PCI/G	0	U	20/05/2004	38142.57431	11:15	0.0443	PCI/G	0.0212	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.36	0.0848	PCI/G	0		20/05/2004	38142.57431	11:15	0.0611	PCI/G	0.0292	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.456	0.15	PCI/G	0		20/05/2004	38142.57431	11:15	0.128	PCI/G	0.0605	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	0.0174	0.039	PCI/G	0	U	20/05/2004	38142.57431	11:15	0.0756	PCI/G	0.0368	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	-0.000906	0.0146	PCI/G	0	U	20/05/2004	38142.57431	11:15	0.0267	PCI/G	0.0128	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	14596-10-2	Americium-241	TRG 8	UHASL300	HASL300	REG	0.00855	0.0253	PCI/G	0	U	20/05/2004	38142.57431	11:15	0.046	PCI/G	0.0224	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	0.00422	0.0187	PCI/G	0	U	20/05/2004	38142.57431	11:15	0.033	PCI/G	0.0158	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	0.0622	0.0477	PCI/G	0	U	20/05/2004	38142.57431	11:15	0.0865	PCI/G	0.0417	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.36	0.0848	PCI/G	0		20/05/2004	38142.57431	11:15	0.0611	PCI/G	0.0292	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	0.145	0.277	PCI/G	0	U	20/05/2004	38142.57431	11:15	0.261	PCI/G	0.124	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.143	0.0433	PCI/G	0		20/05/2004	38142.57431	11:15	0.0331	PCI/G	0.0158	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.333	0.0785	PCI/G	0		20/05/2004	38142.57431	11:15	0.0586	PCI/G	0.0282	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.324	0.0527	PCI/G	0		20/05/2004	38142.57431	11:15	0.0468	PCI/G	0.0227	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-04	MSR#04-1488	113280011	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	-0.0129	0.0603	PCI/G	0	U	20/05/2004	38142.57431	11:15	0.104	PCI/G	0.0486	PCI/G	1	6.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	0.117	0.0565	PCI/G	0		20/05/2004	38142.57431	11:16	0.0365	PCI/G	0.0169	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	0.113	0.0558	PCI/G	0		20/05/2004	38142.57431	11:16	0.0473	PCI/G	0.0214	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	6.13	0.905	PCI/G	0		20/05/2004	38142.57431	11:16	0.405	PCI/G	0.181	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	-0.00716	0.0237	PCI/G	0	U	20/05/2004	38142.57431	11:16	0.0427	PCI/G	0.0198	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	0	0.0326	PCI/G	0	UUI	20/05/2004	38142.57431	11:16	0.0505	PCI/G	0.0235	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.362	0.0977	PCI/G	0		20/05/2004	38142.57431	11:16	0.0843	PCI/G	0.0398	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.384	0.183	PCI/G	0		20/05/2004	38142.57431	11:16	0.146	PCI/G	0.067	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	0.0173	0.0565	PCI/G	0	U	20/05/2004	38142.57431	11:16	0.103	PCI/G	0.0501	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	-0.00671	0.0187	PCI/G	0	U	20/05/2004	38142.57431	11:16	0.0332	PCI/G	0.0156	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	14596-10-2	Americium-241	TRG 8	UHASL300	HASL300	REG	0.00959	0.0497	PCI/G	0	U	20/05/2004	38142.57431	11:16	0.0834	PCI/G	0.0405	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	0.002	0.0196	PCI/G	0	U	20/05/2004	38142.57431	11:16	0.039	PCI/G	0.0182	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	0.0695	0.0568	PCI/G	0	U	20/05/2004	38142.57431	11:16	0.111	PCI/G	0.0529	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.362	0.0977	PCI/G	0		20/05/2004	38142.57431	11:16	0.0843	PCI/G	0.0398	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	0.308	0.346	PCI/G	0	U	20/05/2004	38142.57431	11:16	0.309	PCI/G	0.143	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.151	0.0484	PCI/G	0		20/05/2004	38142.57431	11:16	0.0448	PCI/G	0.0211	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.41	0.0901	PCI/G	0		20/05/2004	38142.57431	11:16	0.0717	PCI/G	0.0341	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.309	0.0632	PCI/G	0		20/05/2004	38142.57431	11:16	0.0581	PCI/G	0.028	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-05	MSR#04-1488	113280012	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	0.0381	0.0638	PCI/G	0	U	20/05/2004	38142.57431	11:16	0.126	PCI/G	0.057	PCI/G	1	5.3	161	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	0.0309	0.0285	PCI/G	0		20/05/2004	38142.57431	11:17	0.0266	PCI/G	0.0125	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	0	0.0185	PCI/G	0	UUI	20/05/2004	38142.57431	11:17	0.0255	PCI/G	0.0114	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	7.55	0.777	PCI/G	0		20/05/2004	38142.57431	11:17	0.19	PCI/G	0.0814	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	-0.000813	0.0147	PCI/G	0	U	20/05/2004	38142.57431	11:17	0.0267	PCI/G	0.0124	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	0.0154	0.0147	PCI/G	0	U	20/05/2004	38142.57431	11:17	0.0295	PCI/G	0.0137	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.377	0.0675	PCI/G	0		20/05/2004	38142.57431	11:17	0.0428	PCI/G	0.02	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.422	0.123	PCI/G	0		20/05/2004	38142.57431	11:17	0.0964	PCI/G	0.0448	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	0.00512	0.0355	PCI/G	0	U	20/05/2004	38142.57431	11:17	0.069	PCI/G	0.0333	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	0.000359	0.0124	PCI/G	0	U	20/05/2004	38142.57431	11:17	0.022	PCI/G	0.0104	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	14596-10-2	Amencium-241	TRG 8	UHASL300	HASL300	REG	-0.0276	0.0484	PCI/G	0	U	20/05/2004	38142.57431	11:17	0.0946	PCI/G	0.0455	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	0.00499	0.0123	PCI/G	0	U	20/05/2004	38142.57431	11:17	0.0235	PCI/G	0.011	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	0.0554	0.0683	PCI/G	0	U	20/05/2004	38142.57431	11:17	0.0637	PCI/G	0.0303	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.377	0.0675	PCI/G	0		20/05/2004	38142.57431	11:17	0.0428	PCI/G	0.02	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	0.214	0.187	PCI/G	0		20/05/2004	38142.57431	11:17	0.188	PCI/G	0.0874	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.131	0.0295	PCI/G	0		20/05/2004	38142.57431	11:17	0.0245	PCI/G	0.0115	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.335	0.0576	PCI/G	0		20/05/2004	38142.57431	11:17	0.0483	PCI/G	0.023	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.407	0.0497	PCI/G	0		20/05/2004	38142.57431	11:17	0.0352	PCI/G	0.0169	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-06	MSR#04-1488	113280013	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	0.00496	0.0478	PCI/G	0	U	20/05/2004	38142.57431	11:17	0.086	PCI/G	0.0394	PCI/G	1	7.4	172	G	PCI/G	PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	0.119	0.0238	PCI/G	0		20/05/2004	38142.57431	2:14	0.0276	PCI/G	0.0129	PCI/G	1	10	160	G	PCI/G	PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	0	0.027	PCI/G	0	UUI	20/05/2004	38142.57431	2:14	0.0307	PCI/G	0.0139	PCI/G	1	10	160	G	PCI/G	PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	7.19	0.815	PCI/G	0		20/05/2004	38142.57431	2:14	0.253	PCI/G	0.112	PCI/G	1	10	160	G	PCI/G	PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	0.0155	0.0198	PCI/G	0	U	20/05/2004	38142.57431	2:14	0.0312	PCI/G	0.0146	PCI/G	1	10	160	G	PCI/G	PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	0.0261	0.0188	PCI/G	0	U	20/05/2004	38142.57431	2:14	0.0316	PCI/G	0.0147	PCI/G	1	10	160	G	PCI/G	PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.363	0.0672	PCI/G	0		20/05/2004	38142.57431	2:14	0.0478	PCI/G	0.0224	PCI/G	1	10	160	G	PCI/G	PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.422	0.141	PCI/G	0		20/05/2004	38142.57431	2:14	0.0904	PCI/G	0.0416	PCI/G	1	10	160	G	PCI/G	PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	-0.00819	0.0364	PCI/G	0	U	20/05/2004	38142.57431	2:14	0.0691	PCI/G	0.0333	PCI/G	1	10	160	G	PCI/G	PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	0.0035	0.0133	PCI/G	0	U	20/05/2004	38142.57431	2:14	0.0226	PCI/G	0.0106	PCI/G	1	10	160	G	PCI/G	PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	14596-10-2	Americium-241	TRG 8	UHASL300	HASL300	REG	-0.0189	0.0593	PCI/G	0	U	20/05/2004	38142.57431	2:14	0.104	PCI/G	0.0503	PCI/G	1	10	160	G	PCI/G	PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	0.00823	0.0132	PCI/G	0	U	20/05/2004	38142.57431	2:14	0.025	PCI/G	0.0117	PCI/G	1	10	160	G	PCI/G	PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	0.02	0.0411	PCI/G	0	U	20/05/2004	38142.57431	2:14	0.0748	PCI/G	0.0357	PCI/G	1	10	160	G	PCI/G	PR	

3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.363	0.0672	PCI/G	0		20/05/2004	38142.57431	2:14	0.0478	PCI/G	0.0224	PCI/G	1	10	160	G		PCI/G		PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	0	0.132	PCI/G	0	UUI	20/05/2004	38142.57431	2:14	0.271	PCI/G	0.129	PCI/G	1	10	160	G		PCI/G		PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.138	0.0357	PCI/G	0		20/05/2004	38142.57431	2:14	0.0252	PCI/G	0.0118	PCI/G	1	10	160	G		PCI/G		PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.431	0.0769	PCI/G	0		20/05/2004	38142.57431	2:14	0.0475	PCI/G	0.0225	PCI/G	1	10	160	G		PCI/G		PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.421	0.0568	PCI/G	0		20/05/2004	38142.57431	2:14	0.0451	PCI/G	0.0217	PCI/G	1	10	160	G		PCI/G		PR	
3100-0000-185-C-1C-07	MSR#04-1488	113280014	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	0.0152	0.0494	PCI/G	0	U	20/05/2004	38142.57431	2:14	0.0934	PCI/G	0.0429	PCI/G	1	10	160	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	10045-97-3	Cesium-137	TRG 8	UHASL300	HASL300	REG	3.52	0.243	PCI/G	0		20/05/2004	38142.57431	2:15	0.029	PCI/G	0.0137	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	10198-40-0	Cobalt-60	TRG 8	UHASL300	HASL300	REG	0.101	0.0319	PCI/G	0		20/05/2004	38142.57431	2:15	0.0265	PCI/G	0.012	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	13966-00-2	Potassium-40	TRG 8	UHASL300	HASL300	REG	7.17	0.81	PCI/G	0		20/05/2004	38142.57431	2:15	0.22	PCI/G	0.0873	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	13966-31-9	Manganese-54	TRG 8	UHASL300	HASL300	REG	-0.0177	0.0148	PCI/G	0	U	20/05/2004	38142.57431	2:15	0.0237	PCI/G	0.011	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	13967-70-9	Cesium-134	TRG 8	UHASL300	HASL300	REG	0.0332	0.0223	PCI/G	0	U	20/05/2004	38142.57431	2:15	0.034	PCI/G	0.0161	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	13982-63-3	Radium-226	TRG 8	UHASL300	HASL300	REG	0.47	0.0759	PCI/G	0		20/05/2004	38142.57431	2:15	0.059	PCI/G	0.0282	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	14331-83-0	Actinium-228	TRG 8	UHASL300	HASL300	REG	0.456	0.14	PCI/G	0		20/05/2004	38142.57431	2:15	0.0892	PCI/G	0.0414	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	14391-16-3	Europium-155	TRG 8	UHASL300	HASL300	REG	0.0331	0.0491	PCI/G	0	U	20/05/2004	38142.57431	2:15	0.0968	PCI/G	0.0471	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	14391-65-2	Silver-108m	TRG 8	UHASL300	HASL300	REG	-0.0145	0.0194	PCI/G	0	U	20/05/2004	38142.57431	2:15	0.035	PCI/G	0.0169	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	14596-10-2	Americium-241	TRG 8	UHASL300	HASL300	REG	0.0101	0.128	PCI/G	0	U	20/05/2004	38142.57431	2:15	0.215	PCI/G	0.104	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	14681-63-1	Niobium-94	TRG 8	UHASL300	HASL300	REG	0.00691	0.0125	PCI/G	0	U	20/05/2004	38142.57431	2:15	0.0238	PCI/G	0.0112	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	14683-23-9	Europium-152	TRG 8	UHASL300	HASL300	REG	-0.0145	0.0525	PCI/G	0	U	20/05/2004	38142.57431	2:15	0.0917	PCI/G	0.0443	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	14733-03-0	Bismuth-214	TRG 8	UHASL300	HASL300	REG	0.47	0.0759	PCI/G	0		20/05/2004	38142.57431	2:15	0.059	PCI/G	0.0282	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	14913-49-6	Bismuth-212	TRG 8	UHASL300	HASL300	REG	0.403	0.188	PCI/G	0		20/05/2004	38142.57431	2:15	0.187	PCI/G	0.0871	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	14913-50-9	Thallium-208	TRG 8	UHASL300	HASL300	REG	0.216	0.0422	PCI/G	0		20/05/2004	38142.57431	2:15	0.0283	PCI/G	0.0134	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	15067-28-4	Lead-214	TRG 8	UHASL300	HASL300	REG	0.522	0.0863	PCI/G	0		20/05/2004	38142.57431	2:15	0.0641	PCI/G	0.0309	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	15092-94-1	Lead-212	TRG 8	UHASL300	HASL300	REG	0.457	0.0601	PCI/G	0		20/05/2004	38142.57431	2:15	0.0512	PCI/G	0.0249	PCI/G	1	7	178	G		PCI/G		PR	
3100-0000-185-C-1C-08	MSR#04-1488	113280015	335643	15585-10-1	Europium-154	TRG 8	UHASL300	HASL300	REG	0.00603	0.0471	PCI/G	0	U	20/05/2004	38142.57431	2:15	0.088	PCI/G	0.0406	PCI/G	1	7	178	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	10045-97-3	Cesium-137	TRG	U	HASL300	LB1	-0.000339	0.0124	PCI/G	0	U		7/6/2004	11:17	0.022	PCI/G	0.0102	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	10198-40-0	Cobalt-60	TRG	U	HASL300	LB1	-0.0114	0.0144	PCI/G	0	U		7/6/2004	11:17	0.0234	PCI/G	0.0105	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	13966-00-2	Potassium-40	TRG	U	HASL300	LB1	0.0486	0.249	PCI/G	0	U		7/6/2004	11:17	0.257	PCI/G	0.117	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	13966-31-9	Manganese-54	TRG	U	HASL300	LB1	0.00156	0.012	PCI/G	0	U		7/6/2004	11:17	0.0214	PCI/G	0.0099	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	13967-70-9	Cesium-134	TRG	U	HASL300	LB1	-0.0115	0.0137	PCI/G	0	U		7/6/2004	11:17	0.0221	PCI/G	0.0101	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	13982-63-3	Radium-226	TRG	U	HASL300	LB1	0.0275	0.0314	PCI/G	0	U		7/6/2004	11:17	0.0574	PCI/G	0.0274	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	14331-83-0	Actinium-228	TRG	U	HASL300	LB1	0.0129	0.0917	PCI/G	0	U		7/6/2004	11:17	0.106	PCI/G	0.0497	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	14391-16-3	Europium-155	TRG	U	HASL300	LB1	0.0124	0.0367	PCI/G	0	U		7/6/2004	11:17	0.0646	PCI/G	0.031	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	14391-65-2	Silver-108m	TRG	U	HASL300	LB1	-0.0074	0.0121	PCI/G	0	U		7/6/2004	11:17	0.0199	PCI/G	0.00936	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	14596-10-2	Americium-241	TRG	U	HASL300	LB1	0.00835	0.0367	PCI/G	0	U		7/6/2004	11:17	0.0663	PCI/G	0.0316	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	14681-63-1	Niobium-94	TRG	U	HASL300	LB1	-0.00659	0.0129	PCI/G	0	U		7/6/2004	11:17	0.0218	PCI/G	0.0102	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	14683-23-9	Europium-152	TRG	U	HASL300	LB1	0.0317	0.0373	PCI/G	0	U		7/6/2004	11:17	0.0677	PCI/G	0.0323	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	14733-03-0	Bismuth-214	TRG	U	HASL300	LB1	0.0275	0.0314	PCI/G	0	U		7/6/2004	11:17	0.0574	PCI/G	0.0274	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	14913-49-6	Bismuth-212	TRG	U	HASL300	LB1	0.0543	0.0954	PCI/G	0	U		7/6/2004	11:17	0.177	PCI/G	0.0823	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	14913-50-9	Thallium-208	TRG	U	HASL300	LB1	0	0.0227	PCI/G	0	UUI		7/6/2004	11:17	0.0222	PCI/G	0.0104	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	15067-28-4	Lead-214	TRG	U	HASL300	LB1	0.0168	0.0275	PCI/G	0	U		7/6/2004	11:17	0.0492	PCI/G	0.0235	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	15092-94-1	Lead-212	TRG	U	HASL300	LB1	0.0191	0.0395	PCI/G	0	U		7/6/2004	11:17	0.0332	PCI/G	0.0158	PCI/G	1	0	101	G		PCI/G		PR	
	MSR#04-1488	1200630675	335643	15585-10-1	Europium-154	TRG	U	HASL300	LB1	0.0151	0.0435	PCI/G	0	U		7/6/2004	11:17	0.0713	PCI/G	0.0325	PCI/G	1	0	101	G		PCI/G		PR	
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	10045-97-3	Cesium-137	TRG	U	HASL300	LR1	1.64	0.162	PCI/G	0			7/6/2004	2:16	0.0347	PCI/G	0.0163	PCI/G	1	9.2	162	G		PCI/G	1.59	PR	
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	10198-40-0	Cobalt-60	TRG	U	HASL300	LR1	0.0176	0.0226	PCI/G	0	U		7/6/2004	2:16	0.0449	PCI/G	0.0207	PCI/G	1	9.2	162	G		PCI/G	0.01	1	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	13966-00-2	Potassium-40	TRG	U	HASL300	LR1	8.05	0.87	PCI/G	0			7/6/2004	2:16	0.336	PCI/G	0.151	PCI/G	1	9.2	162	G		PCI/G	8.27	PR	
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	13966-31-9	Manganese-54	TRG	U	HASL300	LR1	0.00951	0.0202	PCI/G	0	U		7/6/2004	2:16	0.0382	PCI/G	0.0178	PCI/G	1	9.2	162	G		PCI/G	0.00	134	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	13967-70-9	Cesium-134	TRG	U	HASL300	LR1	0	0.0342	PCI/G	0	UUI		7/6/2004	2:16	0.0471	PCI/G	0.0223	PCI/G	1	9.2	162	G		PCI/G	0.00	PR	
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	13982-63-3	Radium-226	TRG	U	HASL300	LR1	0.449	0.0894	PCI/G	0			7/6/2004	2:16	0.0675	PCI/G	0.0319	PCI/G	1	9.2	162	G		PCI/G	0.46	2	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	14331-83-0	Actinium-228	TRG	U	HASL300	LR1	0.534	0.152	PCI/G	0			7/6/2004	2:16	0.126	PCI/G	0.0583	PCI/G	1	9.2	162	G		PCI/G	0.49	0	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	14391-16-3	Europium-155	TRG	U	HASL300	LR1	-0.016	0.0405	PCI/G	0	U		7/6/2004	2:16	0.072	PCI/G	0.0348	PCI/G	1	9.2	162	G		PCI/G	-0.0	0384	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	14391-65-2	Silver-108m	TRG	U	HASL300	LR1	-0.0028	0.0183	PCI/G	0	U		7/6/2004	2:16	0.0324	PCI/G	0.0154	PCI/G	1	9.2	162	G		PCI/G	-0.0	113	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	14596-10-2	Americium-241	TRG	U	HASL300	LR1	-0.00508	0.0245	PCI/G	0	U		7/6/2004	2:16	0.0457	PCI/G	0.0222	PCI/G	1	9.2	162	G		PCI/G	0.01	71	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	14681-63-1	Niobium-94	TRG	U	HASL300	LR1	0.0163	0.0355	PCI/G	0	U		7/6/2004	2:16	0.0337	PCI/G	0.0159	PCI/G	1	9.2	162	G		PCI/G	0.00	543	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	14683-23-9	Europium-152	TRG	U	HASL300	LR1	-0.00321	0.0472	PCI/G	0	U		7/6/2004	2:16	0.0858	PCI/G	0.041	PCI/G	1	9.2	162	G		PCI/G	-0.0	109	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	14733-03-0	Bismuth-214	TRG	U	HASL300	LR1	0.449	0.0894	PCI/G	0			7/6/2004	2:16	0.0675	PCI/G	0.0319	PCI/G	1	9.2	162	G		PCI/G	0.46	2	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	14913-49-6	Bismuth-212	TRG	U	HASL300	LR1	0.355	0.321	PCI/G	0			7/6/2004	2:16	0.249	PCI/G	0.116	PCI/G	1	9.2	162	G		PCI/G	0.27	0	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	14913-50-9	Thallium-208	TRG	U	HASL300	LR1	0.178	0.0396	PCI/G	0			7/6/2004	2:16	0.0335	PCI/G	0.0157	PCI/G	1	9.2	162	G		PCI/G	0.17	0	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	15067-28-4	Lead-214	TRG	U	HASL300	LR1	0.449	0.0788	PCI/G	0			7/6/2004	2:16	0.0645	PCI/G	0.0308	PCI/G	1	9.2	162	G		PCI/G	0.52	5	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	15092-94-1	Lead-212	TRG	U	HASL300	LR1	0.49	0.0636	PCI/G	0			7/6/2004	2:16	0.0484	PCI/G	0.0233	PCI/G	1	9.2	162	G		PCI/G	0.48	8	PR
3100-0000-186-C-1C-02	MSR#04-1488	1200630676	335643	15585-10-1	Europium-154	TRG	U	HASL300	LR1	-0.0119	0.0621	PCI/G	0	U		7/6/2004	2:16	0.114	PCI/G	0.0521	PCI/G	1	9.2	162	G		PCI/G	-0.0	253	PR
	MSR#04-1488	1200630677	335643	10045-97-3	Cesium-137	TRG	U	HASL300	BS1	10	0.794	PCI/G	0			7/6/2004	2:48	0.274	PCI/G	0.132	PCI/G	1	0	100	G	9.	25	PCI/G	PR	
	MSR#04-1488	1200630677	335643	10198-40-0	Cobalt-60	TRG	U	HASL300	BS1	15.3	1.18	PCI/G	0			7/6/2004	2:48	0.262	PCI/G	0.123	PCI/G	1	0	100	G	14	.4	PCI/G	PR	
	MSR#04-1488	1200630677	335643	13966-00-2	Potassium-40	TRG	U	HASL300	BS1	0.255	1.27	PCI/G	0	U		7/6/2004	2:48	2.28	PCI/G	1.05	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	13966-31-9	Manganese-54	TRG	U	HASL300	BS1	0.0255	0.144	PCI/G	0	U		7/6/2004	2:48	0.248	PCI/G	0.119	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	13967-70-9	Cesium-134	TRG	U	HASL300	BS1	0.0528	0.177	PCI/G	0	U		7/6/2004	2:48	0.27	PCI/G	0.129	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	13982-63-3	Radium-226	TRG	U	HASL300	BS1	-0.0372	0.26	PCI/G	0	U		7/6/2004	2:48	0.447	PCI/G	0.215	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	14331-83-0	Actinium-228	TRG	U	HASL300	BS1	-0.121	0.605	PCI/G	0	U		7/6/2004	2:48	1.01	PCI/G	0.485	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	14391-16-3	Europium-155	TRG	U	HASL300	BS1	-0.154	0.363	PCI/G	0	U		7/6/2004	2:48	0.596	PCI/G	0.291	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	14391-65-2	Silver-108m	TRG	U	HASL300	BS1	-0.0412	0.121	PCI/G	0	U		7/6/2004	2:48	0.2	PCI/G	0.0964	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	14596-10-2	Americium-241	TRG	U	HASL300	BS1	23.9	2.53	PCI/G	0			7/6/2004	2:48	0.943	PCI/G	0.462	PCI/G	1	0	100	G	23	.4	PCI/G	PR	
	MSR#04-1488	1200630677	335643	14681-63-1	Niobium-94	TRG	U	HASL300	BS1	0.00158	0.128	PCI/G	0	U		7/6/2004	2:48	0.221	PCI/G	0.106	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	14683-23-9	Europium-152	TRG	U	HASL300	BS1	-0.162	0.317	PCI/G	0	U		7/6/2004	2:48	0.527	PCI/G	0.254	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	14733-03-0	Bismuth-214	TRG	U	HASL300	BS1	-0.0372	0.26	PCI/G	0	U		7/6/2004	2:48	0.447	PCI/G	0.215	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	14913-49-6	Bismuth-212	TRG	U	HASL300	BS1	0.13	1.05	PCI/G	0	U		7/6/2004	2:48	1.83	PCI/G	0.873	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	14913-50-9	Thallium-208	TRG	U	HASL300	BS1	0.0261	0.134	PCI/G	0	U		7/6/2004	2:48	0.235	PCI/G	0.113	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	15067-28-4	Lead-214	TRG	U	HASL300	BS1	-0.0111	0.23	PCI/G	0	U		7/6/2004	2:48	0.389	PCI/G	0.188	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	15092-94-1	Lead-212	TRG	U	HASL300	BS1	-0.0395	0.171	PCI/G	0	U		7/6/2004	2:48	0.293	PCI/G	0.142	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200630677	335643	15585-10-1	Europium-154	TRG	U	HASL300	BS1	-0.166	0.341	PCI/G	0	U		7/6/2004	2:48	0.58	PCI/G	0.268	PCI/G	1	0	100	G		PCI/G		PR	
	MSR#04-1488	1200635524	337634	14119-32-5	Plutonium-241	TRG	U	PU11RCM	LB1	0.273	1.92	PCI/G	0	U		9/6/2004	11:02	3.31	PCI/G	1.6	PCI/G	1	0	2	G		PCI/G		PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200635525	337634	14119-32-5	Plutonium-241	TRG	U	PU11RCM	LR1	11.4	2.63	PCI/G	0			9/6/2004	11:34	3.86	PCI/G	1.87	PCI/G	1	6.9	2.04	G		PCI/G	9.86	PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200635526	337634	14119-32-5	Plutonium-241	TRG	U	PU11RCM	MS1	76.4	5.92	PCI/G	0			10/6/2004	12:05	6.38	PCI/G	3.09	PCI/G	1	6.9	1.08	G	66	.4	PCI/G	76.3	PR
	MSR#04-1488	1200635527	337634	14119-32-5	Plutonium-241	TRG	U	PU11RCM	BS1	30.2	2.87	PCI/G	0			10/6/2004	12:37	3.36	PCI/G	1.63	PCI/G	1	0	2	G	35	.6	PCI/G	PR	
	MSR#04-1488	1200635528	337640	14596-10-2	Americium-241	TRG	U	AM05RCM	LB1	0.0118	0.0164	PCI/G	0	U		8/6/2004	2:30	0.016	PCI/G	0	PCI/G	1	0	1	G		PCI/G		PR	
	MSR#04-1488	1200635528	337640	OER-100-93	Curium-242	TRG	U	AM05RCM	LB1	0.00603	0.0118	PCI/G	0	U		8/6/2004	2:30	0.0163	PCI/G	0	PCI/G	1	0	1	G		PCI/G		PR	
	MSR#04-1488	1200635528	337640	OER-101-57	Curium-243/244	TRG	U	AM05RCM	LB1	-0.00142	0.0119	PCI/G	0	U		8/6/2004	2:30	0.0295	PCI/G	0.00674	PCI/G	1	0	1	G		PCI/G		PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200635529	337640	14596-10-2	Americium-241	TRG	U	AM05RCM	LR1	0.868	0.141	PCI/G	0		15/06/2004		9:01	0.0458	PCI/G	0.015	PCI/G	1	6.9	1	G		PCI/G	0.74	1	PR
3100-0000-186-C-1C-01	MSR#04-1488	1200635529	337640	OER-100-93	Curium-242	TRG	U	AM05RCM	LR1	0	0.0141	PCI/G	0	U	15/06/2004		9:01	0.0195	PCI/G	0	PCI/G	1	6.9	1	G		PCI/G	-0.0	13	PR
3100-0000-186-C-1C-01	MSR#04-1488	1200635529	337640	OER-101-57	Curium-243/244	TRG	U	AM05RCM	LR1	0.074	0.0438	PCI/G	0		15/06/2004		9:01	0.0489	PCI/G	0.0165	PCI/G	1	6.9	1	G		PCI/G	0.11	0	PR
3100-0000-186-C-1C-01	MSR#04-1488	1200635530	337640	14596-10-2	Americium-241	TRG	U	AM05RCM	MS1	5.95	0.545	PCI/G	0		15/06/2004		9:01	0.077	PCI/G	0.0209	PCI/G	1	6.9	0.56	G	4.	79	PCI/G	5.53	PR
3100-0000-186-C-1C-01	MSR#04-1488	1200635530	337640	OER-100-93	Curium-242	TRG	U	AM05RCM	MS1	0	0.0311	PCI/G	0	U	15/06/2004		9:01	0.043	PCI/G	0	PCI/G	1	6.9	0.56	G		PCI/G		PR	

3100-0000-186-C-1C-01	MSR#04-1488	1200635530	337640	OER-101-57	Curium-243/244	TRG	U	AM05RCM	MS1	7.02	0.593	PCI/G	0		15/06/2004	9:01	0.0353	PCI/G	0	PCI/G	1	6.9	0.56	G	6.	20	PCI/G	6.31	PR	
	MSR#04-1488	1200635531	337640	14596-10-2	Americium-241	TRG	U	AM05RCM	BS1	3.02	0.303	PCI/G	0		8/6/2004	2:30	0.0467	PCI/G	0.0127	PCI/G	1	0	1	G	2.	69	PCI/G		PR	
	MSR#04-1488	1200635531	337640	OER-100-93	Curium-242	TRG	U	AM05RCM	BS1	-0.00193	0.0162	PCI/G	0	U	8/6/2004	2:30	0.0401	PCI/G	0.00916	PCI/G	1	0	1	G		PCI/G			PR	
	MSR#04-1488	1200635531	337640	OER-101-57	Curium-243/244	TRG	U	AM05RCM	BS1	3.62	0.331	PCI/G	0		8/6/2004	2:30	0.0214	PCI/G	0	PCI/G	1	0	1	G	3.	46	PCI/G		PR	
	MSR#04-1488	1200635532	337644	13981-16-3	Plutonium-238	TRG	U	PU11RCM	LB1	0.00385	0.0153	PCI/G	0	U	8/6/2004	8:47	0.0439	PCI/G	0.0119	PCI/G	1	0	1	G		PCI/G			PR	
	MSR#04-1488	1200635532	337644	OER-100-70	Plutonium-239/240	TRG	U	PU11RCM	LB1	0.0113	0.0211	PCI/G	0	U	8/6/2004	8:47	0.0439	PCI/G	0.0119	PCI/G	1	0	1	G		PCI/G			PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200635533	337644	13981-16-3	Plutonium-238	TRG	U	PU11RCM	LR1	0.705	0.141	PCI/G	0		8/6/2004	8:47	0.0658	PCI/G	0.0232	PCI/G	1	6.9	1	G		PCI/G	0.63		2	PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200635533	337644	OER-100-70	Plutonium-239/240	TRG	U	PU11RCM	LR1	0.289	0.0904	PCI/G	0		8/6/2004	8:47	0.0478	PCI/G	0.0142	PCI/G	1	6.9	1	G		PCI/G	0.24		2	PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200635534	337644	13981-16-3	Plutonium-238	TRG	U	PU11RCM	MS1	0.875	0.197	PCI/G	0		8/6/2004	12:32	0.139	PCI/G	0.0549	PCI/G	1	6.9	0.56	G		PCI/G			PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200635534	337644	OER-100-70	Plutonium-239/240	TRG	U	PU11RCM	MS1	4.44	0.429	PCI/G	0		8/6/2004	12:32	0.0892	PCI/G	0.03	PCI/G	1	6.9	0.56	G	4.	27	PCI/G	4.51	PR	
	MSR#04-1488	1200635535	337644	13981-16-3	Plutonium-238	TRG	U	PU11RCM	BS1	-0.0123	0.0352	PCI/G	0	U	8/6/2004	12:32	0.101	PCI/G	0.0419	PCI/G	1	0	1	G		PCI/G			PR	
	MSR#04-1488	1200635535	337644	OER-100-70	Plutonium-239/240	TRG	U	PU11RCM	BS1	2.68	0.257	PCI/G	0		8/6/2004	12:32	0.0586	PCI/G	0.0206	PCI/G	1	0	1	G	2.	39	PCI/G		PR	
	MSR#04-1488	1200638587	338894	14762-75-5	Carbon-14	TRG	U	LSC	LB1	0.094	0.3	PCI/G	0	U	11/6/2004	2:24	0.521	PCI/G	0.247	PCI/G	1	0	4	G		PCI/G			PR	
3100-0000-185-C-1C-01	MSR#04-1488	1200638588	338894	14762-75-5	Carbon-14	TRG	U	LSC	LR1	93.8	2.03	PCI/G	0		11/6/2004	2:56	0.576	PCI/G	0.273	PCI/G	1	52	3.95	G		PCI/G	70.0		PR	
3100-0000-185-C-1C-01	MSR#04-1488	1200638589	338894	14762-75-5	Carbon-14	TRG	U	LSC	MS1	110	2.2	PCI/G	0		11/6/2004	3:29	0.577	PCI/G	0.273	PCI/G	1	52	3.8	G	17	.3	PCI/G	87.3	PR	
	MSR#04-1488	1200638590	338894	14762-75-5	Carbon-14	TRG	U	LSC	BS1	16.9	0.88	PCI/G	0		11/6/2004	4:01	0.541	PCI/G	0.256	PCI/G	1	0	4	G	16	.4	PCI/G		PR	
	MSR#04-1488	1200638664	338964	14681-59-5	Iron-55	TRG	U	LSC	LB1	-2.63	1.87	PCI/G	0	U	11/6/2004	12:49	1.48	PCI/G	0.706	PCI/G	1	0	3.87	G		PCI/G			PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200638665	338964	14681-59-5	Iron-55	TRG	U	LSC	LR1	7.54	3.47	PCI/G	0		11/6/2004	1:35	2.92	PCI/G	1.39	PCI/G	1	6.9	3.82	G		PCI/G	10.2		PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200638666	338964	14681-59-5	Iron-55	TRG	U	LSC	MS1	39.3	8.92	PCI/G	0		14/06/2004	1:22	6.32	PCI/G	2.98	PCI/G	1	6.9	1.73	G	18	.1	PCI/G	28.3	PR	
	MSR#04-1488	1200638667	338964	14681-59-5	Iron-55	TRG	U	LSC	BS1	7.53	2.26	PCI/G	0		11/6/2004	3:07	1.6	PCI/G	0.763	PCI/G	1	0	3.87	G	7.	88	PCI/G		PR	
	MSR#04-1488	1200638677	338970	13781-37-8	Nickel-63	TRG	U	LSC	LB1	0.123	1	PCI/G	0	U	10/6/2004	5:05	1.72	PCI/G	0.837	PCI/G	1	0	3.87	G		PCI/G			PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200638678	338970	13781-37-8	Nickel-63	TRG	U	LSC	LR1	1600	31.2	PCI/G	0		10/6/2004	5:09	5.14	PCI/G	2.36	PCI/G	1	6.9	3.82	G		PCI/G	1620		PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200638679	338970	13781-37-8	Nickel-63	TRG	U	LSC	MS1	1690	33.4	PCI/G	0		16/06/2004	12:50	6.63	PCI/G	3.09	PCI/G	1	6.9	1.73	G	79	.4	PCI/G	1700	PR	
	MSR#04-1488	1200638680	338970	13781-37-8	Nickel-63	TRG	U	LSC	BS1	30.7	1.72	PCI/G	0		10/6/2004	5:46	1.66	PCI/G	0.807	PCI/G	1	0	3.87	G	35	.5	PCI/G		PR	
	MSR#04-1488	1200638870	339054	10098-97-2	Strontium-90	TRG	U	E905M	LB1	-0.00155	0.00421	PCI/G	0	U	15/06/2004	2:50	0.0086	PCI/G	0.00415	PCI/G	1	0	11.3	G		PCI/G			PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200638871	339054	10098-97-2	Strontium-90	TRG	U	E905M	LR1	0.947	0.0241	PCI/G	0		12/6/2004	6:57	0.0107	PCI/G	0.00514	PCI/G	1	6.9	11.3	G		PCI/G	0.95		2	PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200638872	339054	10098-97-2	Strontium-90	TRG	U	E905M	MS1	3.52	0.187	PCI/G	0		11/6/2004	10:55	0.0651	PCI/G	0.0291	PCI/G	1	6.9	5.67	G	3.	25	PCI/G	4.20	PR	
	MSR#04-1488	1200638873	339054	10098-97-2	Strontium-90	TRG	U	E905M	BS1	1.63	0.0351	PCI/G	0		11/6/2004	10:55	0.0309	PCI/G	0.0135	PCI/G	1	0	11.3	G	1.	62	PCI/G		PR	
	MSR#04-1488	1200640184	339601	14133-76-7	Technetium-99	TRG	U	TC02RCM	LB1	-0.211	0.468	PCI/G	0	U	16/06/2004	1:53	0.812	PCI/G	0.398	PCI/G	1	0	2.67	G		PCI/G			PR	
	MSR#04-1488	1200640187	339601	14133-76-7	Technetium-99	TRG	U	TC02RCM	BS1	47.8	1.19	PCI/G	0		16/06/2004	5:07	0.839	PCI/G	0.411	PCI/G	1	0	2.67	G	44	.1	PCI/G		PR	
	MSR#04-1488	1200640229	339615	10028-17-8	Tritium	TRG	U	E906.0	LB1	-0.0259	1.03	PCI/G	0	U	11/6/2004	7:55	1.74	PCI/G	0.869	PCI/G	1	0				PCI/G			PR	
	MSR#04-1488	1200640232	339615	10028-17-8	Tritium	TRG	U	E906.0	BS1	10.2	1.42	PCI/G	0		11/6/2004	9:32	1.79	PCI/G	0.894	PCI/G	1	0			10	.8	PCI/G		PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	10045-97-3	Cesium-137	TRG 8	UE901.1	E901.1	REG	1400	110	PCI/L	0		18/06/2004	9:31	13.2	PCI/L	6.3	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	10198-40-0	Cobalt-60	TRG 8	UE901.1	E901.1	REG	56.7	12.5	PCI/L	0		18/06/2004	9:31	8.62	PCI/L	3.84	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	13966-00-2	Potassium-40	TRG 8	UE901.1	E901.1	REG	67.9	65.8	PCI/L	0		18/06/2004	9:31	57	PCI/L	23.9	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	13966-31-9	Manganese-54	TRG 8	UE901.1	E901.1	REG	-1.67	5.06	PCI/L	0	U	18/06/2004	9:31	8.59	PCI/L	3.94	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	13967-70-9	Cesium-134	TRG 8	UE901.1	E901.1	REG	24.7	9.89	PCI/L	0		18/06/2004	9:31	9.03	PCI/L	4.14	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14331-83-0	Actinium-228	TRG 8	UE901.1	E901.1	REG	22	23.8	PCI/L	0	U	18/06/2004	9:31	36.4	PCI/L	16.9	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14391-16-3	Europium-155	TRG 8	UE901.1	E901.1	REG	1.01	19.9	PCI/L	0	U	18/06/2004	9:31	34.7	PCI/L	16.8	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14391-65-2	Silver-108m	TRG 8	UE901.1	E901.1	REG	6.24	8.38	PCI/L	0	U	18/06/2004	9:31	14.9	PCI/L	7.23	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14596-10-2	Americium-241	TRG 8	UE901.1	E901.1	REG	-4.14	51.6	PCI/L	0	U	18/06/2004	9:31	58.8	PCI/L	28.5	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14681-63-1	Niobium-94	TRG 8	UE901.1	E901.1	REG	-1.4	4.58	PCI/L	0	U	18/06/2004	9:31	7.82	PCI/L	3.63	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14683-23-9	Europium-152	TRG 8	UE901.1	E901.1	REG	-2.26	22	PCI/L	0	U	18/06/2004	9:31	36.4	PCI/L	17.6	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14733-03-0	Bismuth-214	TRG 8	UE901.1	E901.1	REG	15.7	13.2	PCI/L	0	U	18/06/2004	9:31	22	PCI/L	10.5	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14913-49-6	Bismuth-212	TRG 8	UE901.1	E901.1	REG	-15.6	48.1	PCI/L	0	U	18/06/2004	9:31	69.7	PCI/L	32.3	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14913-50-9	Thallium-208	TRG 8	UE901.1	E901.1	REG	4.4	7.11	PCI/L	0	U	18/06/2004	9:31	12.8	PCI/L	6.09	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	15067-28-4	Lead-214	TRG 8	UE901.1	E901.1	REG	0	30	PCI/L	0	UUI	18/06/2004	9:31	27.3	PCI/L	13.2	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	15092-94-1	Lead-212	TRG 8	UE901.1	E901.1	REG	5.91	18.8	PCI/L	0	U	18/06/2004	9:31	23.6	PCI/L	11.5	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	15585-10-1	Europium-154	TRG 8	UE901.1	E901.1	REG	-5.71	13.4	PCI/L	0	U	18/06/2004	9:31	23.2	PCI/L	10.3	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340030	13981-16-3	Plutonium-238	TRG 32	UPU11RCM	PU11RCM	REG	-0.014	0.0722	PCI/L	0	U	16/06/2004	9:29	0.263	PCI/L	0.0887	PCI/L	1	0	0.2	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340030	OER-100-70	Plutonium-239/240	TRG 32	UPU11RCM	PU11RCM	REG	0.0558	0.0892	PCI/L	0	U	16/06/2004	9:29	0.158	PCI/L	0.0362	PCI/L	1	0	0.2	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340033	14119-32-5	Plutonium-241	TRG 36	UPU11RCM	PU11RCM	REG	1.57	4.7	PCI/L	0	U	21/06/2004	11:16	7.96	PCI/L	3.92	PCI/L	1	0	0.4	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340926	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	0.214	4.14	PCI/L	0	U	21/06/2004	12:21	7.13	PCI/L	3.47	PCI/L	1	0	0.3	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340950	14681-59-5	Iron-55	TRG 26	ULSC	LSC	REG	-28.1	11.5	PCI/L	0	U	20/06/2004	9:09	9.23	PCI/L	4.47	PCI/L	1	0	0.55	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340951	13781-37-8	Nickel-63	TRG 30	ULSC	LSC	REG	95.2	9.6	PCI/L	0		20/06/2004	6:17	11.8	PCI/L	5.71	PCI/L	1	0	0.55	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340954	10028-17-8	Tritium	TRG 21	UE906.0	E906.0	REG	44700	487	PCI/L	0		18/06/2004	1:45	178	PCI/L	89.2	PCI/L	1	0				PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340973	10098-97-2	Strontium-90	TRG 45	UE905M	E905M	REG	55.5	2.13	PCI/L	0		17/06/2004	9:46	1.11	PCI/L	0.527	PCI/L	1	0	0.4	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	342519	14596-10-2	Americium-241	TRG 1	UAM05RCM	AM05RCM	REG	-0.0194	0.19	PCI/L	0	U	21/06/2004	9:18	0.378	PCI/L	0.163	PCI/L	1	0	0.1	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	342519	OER-100-93	Curium-242	TRG 1	UAM05RCM	AM05RCM	REG	-0.0489	0.117	PCI/L	0	U	21/06/2004	9:18	0.293	PCI/L	0.114	PCI/L	1	0	0.1	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	342519	OER-101-57	Curium-243/244	TRG 1	UAM05RCM	AM05RCM	REG	0.117	0.202	PCI/L	0	U	21/06/2004	9:18	0.354	PCI/L	0.15	PCI/L	1	0	0.1	L		PCI/L			PR	
3100-0000-186-C-1C-01	MSR#04-1488	113667003	342821	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	-11.8	34.8	PCI/L	0	U	21/06/2004	7:26	60.2	PCI/L	29.5	PCI/L	1	0	0.05	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	10045-97-3	Cesium-137	TRG 8	UE901.1	E901.1	REG	212	22.4	PCI/L	0		18/06/2004	9:32	7.72	PCI/L	3.56	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	10198-40-0	Cobalt-60	TRG 8	UE901.1	E901.1	REG	6.25	6.5	PCI/L	0	U	18/06/2004	9:32	6.5	PCI/L	2.76	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	13966-00-2	Potassium-40	TRG 8	UE901.1	E901.1	REG	79	49.9	PCI/L	0	U	18/06/2004	9:32	109	PCI/L	49.7	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	13966-31-9	Manganese-54	TRG 8	UE901.1	E901.1	REG	-2.56	3.47	PCI/L	0	U	18/06/2004	9:32	5.72	PCI/L	2.51	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	13967-70-9	Cesium-134	TRG 8	UE901.1	E901.1	REG	0	8.42	PCI/L	0	UUI	18/06/2004	9:32	7.54	PCI/L	3.4	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14331-83-0	Actinium-228	TRG 8	UE901.1	E901.1	REG	5.14	12.8	PCI/L	0	U	18/06/2004	9:32	24.6	PCI/L	11.1	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14391-16-3	Europium-155	TRG 8	UE901.1	E901.1	REG	5.89	11.6	PCI/L	0	U	18/06/2004	9:32	21	PCI/L	10	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14391-65-2	Silver-108m	TRG 8	UE901.1	E901.1	REG	2.54	4.6	PCI/L	0	U	18/06/2004	9:32	6.64	PCI/L	3.1	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14596-10-2	Americium-241	TRG 8	UE901.1	E901.1	REG	3.55	17.2	PCI/L	0	U	18/06/2004	9:32	31.5	PCI/L	14.9	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14681-63-1	Niobium-94	TRG 8	UE901.1	E901.1	REG	-2.57	3.35	PCI/L	0	U	18/06/2004	9:32	5.59	PCI/L	2.53	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14683-23-9	Europium-152	TRG 8	UE901.1	E901.1	REG	10.4	11.4	PCI/L	0	U	18/06/2004	9:32	20.7	PCI/L	9.76	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14733-03-0	Bismuth-214	TRG 8	UE901.1	E901.1	REG	9.71	8.21	PCI/L	0	U	18/06/2004	9:32	16	PCI/L	7.51	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14913-49-6	Bismuth-212	TRG 8	UE901.1	E901.1	REG	16.5	25.7	PCI/L	0	U	18/06/2004	9:32	51.1	PCI/L	23.1	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14913-50-9	Thallium-208	TRG 8	UE901.1	E901.1	REG	8.16	7.69	PCI/L	0	U	18/06/2004	9:32	9.1	PCI/L	4.27	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	15067-28-4	Lead-214	TRG 8	UE901.1	E901.1	REG	5.98	8.08	PCI/L	0	U	18/06/2004	9:32	14.5	PCI/L	6.86	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	15092-94-1	Lead-212	TRG 8	UE901.1	E901.1	REG	7.82	6.9	PCI/L	0	U	18/06/2004	9:32	12.5	PCI/L	5.99	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	15585-10-1	Europium-154	TRG 8	UE901.1	E901.1	REG	-1.41	11.5	PCI/L	0	U	18/06/2004	9:32	20.6	PCI/L	8.95	PCI/L	1	0	0.5	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340030	13981-16-3	Plutonium-238	TRG 32	UPU11RCM	PU11RCM	REG	-0.0468	0.041	PCI/L	0	U	16/06/2004	9:29	0.304	PCI/L	0.0994	PCI/L	1	0	0.2	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340030	OER-100-70	Plutonium-239/240	TRG 32	UPU11RCM	PU11RCM	REG	-0.0374	0.0367	PCI/L	0	U	16/06/2004	9:29	0.283	PCI/L	0.0888	PCI/L	1	0	0.2	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340033	14119-32-5	Plutonium-241	TRG 36	UPU11RCM	PU11RCM	REG	6.11	4.54	PCI/L	0	U	22/06/2004	1:20	7.55	PCI/L	3.73	PCI/L	1	0	0.4	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340926	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-2.65	4.17	PCI/L	0	U	21/06/2004	12:53	7.34	PCI/L	3.57	PCI/L	1	0	0.3	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340950	14681-59-5	Iron-55	TRG 26	ULSC	LSC	REG	-7.25	12.6	PCI/L	0	U	20/06/2004	10:12	9.92	PCI/L	4.8	PCI/L	1	0	0.55	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340951	13781-37-8	Nickel-63	TRG 30	ULSC	LSC	REG	10.6	4.66	PCI/L	0		20/06/2004	6:49	7.43	PCI/L	3.61	PCI/L	1	0	0.55	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340954	10028-17-8	Tritium	TRG 21	UE906.0	E906.0	REG	54500	563	PCI/L	0		18/06/2004	3:49	197	PCI/L	98.5	PCI/L	1	0				PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340973	10098-97-2	Strontium-90	TRG 45	UE905M	E905M	REG	23	1.46	PCI/L	0		17/06/2004	9:46	1.1	PCI/L	0.522	PCI/L	1	0	0.4	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	342519	14596-10-2	Americium-241	TRG 1	UAM05RCM	AM05RCM	REG	-0.0184	0.173	PCI/L	0	U	21/06/2004	9:18	0.346	PCI/L	0.148	PCI/L	1	0	0.1	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	342519	OER-100-93	Curium-242	TRG 1	UAM05RCM	AM05RCM	REG	0	0.109	PCI/L	0	U	21/06/2004	9:18	0.245	PCI/L	0.0916	PCI/L	1	0	0.1	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	342519	OER-101-57	Curium-243/244	TRG 1	UAM05RCM	AM05RCM	REG	0.0738	0.217	PCI/L	0	U	21/06/2004	9:18	0.393	PCI/L	0.172	PCI/L	1	0	0.1	L		PCI/L			PR	
3100-0000-185-C-1C-01	MSR#04-1488	113667004	342821	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	-24.6	33.8	PCI/L	0	U	21/06/2004	7:57	59.1	PCI/L	28.9	PCI/L	1	0	0.05	L		PCI/L			PR	

	MSR#04-1488	1200640460	339720	10045-97-3	Cesium-137	TRG	U	E901.1	LB1	-1.05	3.56	PCI/L	0	U		18/06/2004	9:33	6.06	PCI/L	2.78	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	10198-40-0	Cobalt-60	TRG	U	E901.1	LB1	3.05	3.86	PCI/L	0	U		18/06/2004	9:33	7.3	PCI/L	3.25	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	13966-00-2	Potassium-40	TRG	U	E901.1	LB1	0	67.4	PCI/L	0	UUI		18/06/2004	9:33	49.1	PCI/L	20.5	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	13966-31-9	Manganese-54	TRG	U	E901.1	LB1	-0.914	3.07	PCI/L	0	U		18/06/2004	9:33	5.51	PCI/L	2.49	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	13967-70-9	Cesium-134	TRG	U	E901.1	LB1	5.47	3.88	PCI/L	0	U		18/06/2004	9:33	7.78	PCI/L	3.59	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	14331-83-0	Actinium-228	TRG	U	E901.1	LB1	9.59	20.1	PCI/L	0	U		18/06/2004	9:33	26.3	PCI/L	12.1	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	14391-16-3	Europium-155	TRG	U	E901.1	LB1	1.35	9.76	PCI/L	0	U		18/06/2004	9:33	16.8	PCI/L	8	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	14391-65-2	Silver-108m	TRG	U	E901.1	LB1	3.01	3.14	PCI/L	0	U		18/06/2004	9:33	5.97	PCI/L	2.8	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	14596-10-2	Americium-241	TRG	U	E901.1	LB1	-12.1	16.7	PCI/L	0	U		18/06/2004	9:33	24.4	PCI/L	11.5	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	14681-63-1	Niobium-94	TRG	U	E901.1	LB1	2.74	3.14	PCI/L	0	U		18/06/2004	9:33	5.98	PCI/L	2.76	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	14683-23-9	Europium-152	TRG	U	E901.1	LB1	6.07	12.1	PCI/L	0	U		18/06/2004	9:33	16.5	PCI/L	7.74	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	14733-03-0	Bismuth-214	TRG	U	E901.1	LB1	4.86	13.9	PCI/L	0	U		18/06/2004	9:33	15.2	PCI/L	7.16	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	14913-49-6	Bismuth-212	TRG	U	E901.1	LB1	26	26.3	PCI/L	0	U		18/06/2004	9:33	50.9	PCI/L	23.5	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	14913-50-9	Thallium-208	TRG	U	E901.1	LB1	3.41	3.95	PCI/L	0	U		18/06/2004	9:33	7.36	PCI/L	3.45	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	15067-28-4	Lead-214	TRG	U	E901.1	LB1	5.96	9.98	PCI/L	0	U		18/06/2004	9:33	13.4	PCI/L	6.32	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	15092-94-1	Lead-212	TRG	U	E901.1	LB1	0.448	10.6	PCI/L	0	U		18/06/2004	9:33	12.2	PCI/L	5.85	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640460	339720	15585-10-1	Europium-154	TRG	U	E901.1	LB1	6.24	10.2	PCI/L	0	U		18/06/2004	9:33	20.4	PCI/L	9.14	PCI/L	1	0	0.5	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	10045-97-3	Cesium-137	TRG	U	E901.1	LR1	211	22.7	PCI/L	0			19/06/2004	3:35	6.71	PCI/L	3.06	PCI/L	1	0	0.5	L		PCI/L	212	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	10198-40-0	Cobalt-60	TRG	U	E901.1	LR1	7.44	7.67	PCI/L	0	U		19/06/2004	3:35	7.56	PCI/L	3.3	PCI/L	1	0	0.5	L		PCI/L	6.25	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	13966-00-2	Potassium-40	TRG	U	E901.1	LR1	47.9	48.9	PCI/L	0	U		19/06/2004	3:35	99.7	PCI/L	45.1	PCI/L	1	0	0.5	L		PCI/L	79.0	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	13966-31-9	Manganese-54	TRG	U	E901.1	LR1	-2.81	4.12	PCI/L	0	U		19/06/2004	3:35	6.59	PCI/L	2.95	PCI/L	1	0	0.5	L		PCI/L	-2.5	6	PR	
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	13967-70-9	Cesium-134	TRG	U	E901.1	LR1	5.86	3.69	PCI/L	0	U		19/06/2004	3:35	7.13	PCI/L	3.21	PCI/L	1	0	0.5	L		PCI/L	0.00	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14331-83-0	Actinium-228	TRG	U	E901.1	LR1	5.3	13.6	PCI/L	0	U		19/06/2004	3:35	26.3	PCI/L	11.9	PCI/L	1	0	0.5	L		PCI/L	5.14	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14391-16-3	Europium-155	TRG	U	E901.1	LR1	2.97	10.7	PCI/L	0	U		19/06/2004	3:35	19.2	PCI/L	9.15	PCI/L	1	0	0.5	L		PCI/L	5.89	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14391-65-2	Silver-108m	TRG	U	E901.1	LR1	-0.661	3.96	PCI/L	0	U		19/06/2004	3:35	6.97	PCI/L	3.27	PCI/L	1	0	0.5	L		PCI/L	2.54	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14596-10-2	Americium-241	TRG	U	E901.1	LR1	-0.0391	22.7	PCI/L	0	U		19/06/2004	3:35	34.1	PCI/L	16.3	PCI/L	1	0	0.5	L		PCI/L	3.55	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14681-63-1	Niobium-94	TRG	U	E901.1	LR1	1.87	2.97	PCI/L	0	U		19/06/2004	3:35	5.73	PCI/L	2.61	PCI/L	1	0	0.5	L		PCI/L	-2.5	7	PR	
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14683-23-9	Europium-152	TRG	U	E901.1	LR1	0.795	11.1	PCI/L	0	U		19/06/2004	3:35	18.8	PCI/L	8.84	PCI/L	1	0	0.5	L		PCI/L	10.4	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14733-03-0	Bismuth-214	TRG	U	E901.1	LR1	11.5	8.37	PCI/L	0	U		19/06/2004	3:35	15.1	PCI/L	7.05	PCI/L	1	0	0.5	L		PCI/L	9.71	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14913-49-6	Bismuth-212	TRG	U	E901.1	LR1	10.3	31.4	PCI/L	0	U		19/06/2004	3:35	57.5	PCI/L	26.4	PCI/L	1	0	0.5	L		PCI/L	16.5	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14913-50-9	Thallium-208	TRG	U	E901.1	LR1	5.01	6.18	PCI/L	0	U		19/06/2004	3:35	6.99	PCI/L	3.22	PCI/L	1	0	0.5	L		PCI/L	8.16	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	15067-28-4	Lead-214	TRG	U	E901.1	LR1	1.31	9.41	PCI/L	0	U		19/06/2004	3:35	14.2	PCI/L	6.69	PCI/L	1	0	0.5	L		PCI/L	5.98	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	15092-94-1	Lead-212	TRG	U	E901.1	LR1	13.1	7.45	PCI/L	0	U		19/06/2004	3:35	13.6	PCI/L	6.54	PCI/L	1	0	0.5	L		PCI/L	7.82	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	15585-10-1	Europium-154	TRG	U	E901.1	LR1	-1.08	10.6	PCI/L	0	U		19/06/2004	3:35	19.6	PCI/L	8.49	PCI/L	1	0	0.5	L		PCI/L	-1.4	1	PR	
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	10045-97-3	Cesium-137	TRG	U	E901.1	MS1	3720	565	PCI/L	0			18/06/2004	9:33	342	PCI/L	159	PCI/L	1	0	0.05	L	37	10	PCI/L	3920	PR	
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	10198-40-0	Cobalt-60	TRG	U	E901.1	MS1	5420	681	PCI/L	0			18/06/2004	9:33	163	PCI/L	62.2	PCI/L	1	0	0.05	L	58	20	PCI/L	5830	PR	
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	13966-00-2	Potassium-40	TRG	U	E901.1	MS1	1470	1180	PCI/L	0	U		18/06/2004	9:33	2820	PCI/L	1220	PCI/L	1	0	0.05	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	13966-31-9	Manganese-54	TRG	U	E901.1	MS1	118	177	PCI/L	0	U		18/06/2004	9:33	333	PCI/L	153	PCI/L	1	0	0.05	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	13967-70-9	Cesium-134	TRG	U	E901.1	MS1	59.6	174	PCI/L	0	U		18/06/2004	9:33	320	PCI/L	146	PCI/L	1	0	0.05	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14331-83-0	Actinium-228	TRG	U	E901.1	MS1	848	652	PCI/L	0	U		18/06/2004	9:33	1320	PCI/L	610	PCI/L	1	0	0.05	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14391-16-3	Europium-155	TRG	U	E901.1	MS1	-102	412	PCI/L	0	U		18/06/2004	9:33	723	PCI/L	343	PCI/L	1	0	0.05	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14391-65-2	Silver-108m	TRG	U	E901.1	MS1	40.1	113	PCI/L	0	U		18/06/2004	9:33	213	PCI/L	97.9	PCI/L	1	0	0.05	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14596-10-2	Americium-241	TRG	U	E901.1	MS1	10400	1870	PCI/L	0			18/06/2004	9:33	1280	PCI/L	611	PCI/L	1	0	0.05	L	93	70	PCI/L	9370	PR	
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14681-63-1	Niobium-94	TRG	U	E901.1	MS1	19.8	131	PCI/L	0	U		18/06/2004	9:33	237	PCI/L	108	PCI/L	1	0	0.05	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14683-23-9	Europium-152	TRG	U	E901.1	MS1	18.5	349	PCI/L	0	U		18/06/2004	9:33	599	PCI/L	277	PCI/L	1	0	0.05	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14733-03-0	Bismuth-214	TRG	U	E901.1	MS1	161	271	PCI/L	0	U		18/06/2004	9:33	511	PCI/L	235	PCI/L	1	0	0.05	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14913-49-6	Bismuth-212	TRG	U	E901.1	MS1	469	1130	PCI/L	0	U		18/06/2004	9:33	2110	PCI/L	961	PCI/L	1	0	0.05	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14913-50-9	Thallium-208	TRG	U	E901.1	MS1	-145	154	PCI/L	0	U		18/06/2004	9:33	247	PCI/L	113	PCI/L	1	0	0.05	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	15067-28-4	Lead-214	TRG	U	E901.1	MS1	217	255	PCI/L	0	U		18/06/2004	9:33	492	PCI/L	230	PCI/L	1	0	0.05	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	15092-94-1	Lead-212	TRG	U	E901.1	MS1	58.6	209	PCI/L	0	U		18/06/2004	9:33	377	PCI/L	178	PCI/L	1	0	0.05	L		PCI/L		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	15585-10-1	Europium-154	TRG	U	E901.1	MS1	-50	341	PCI/L	0	U		18/06/2004	9:33	642	PCI/L	269	PCI/L	1	0	0.05	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	10045-97-3	Cesium-137	TRG	U	E901.1	BS1	372	54.5	PCI/L	0			18/06/2004	9:34	30.9	PCI/L	14.2	PCI/L	1	0	0.5	L	37	0	PCI/L		PR	
	MSR#04-1488	1200640463	339720	10198-40-0	Cobalt-60	TRG	U	E901.1	BS1	650	83	PCI/L	0			18/06/2004	9:34	26.2	PCI/L	11	PCI/L	1	0	0.5	L	57	3	PCI/L		PR	
	MSR#04-1488	1200640463	339720	13966-00-2	Potassium-40	TRG	U	E901.1	BS1	37.5	146	PCI/L	0	U		18/06/2004	9:34	294	PCI/L	126	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	13966-31-9	Manganese-54	TRG	U	E901.1	BS1	-8.27	15.6	PCI/L	0	U		18/06/2004	9:34	27.3	PCI/L	12.3	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	13967-70-9	Cesium-134	TRG	U	E901.1	BS1	-8.92	17	PCI/L	0	U		18/06/2004	9:34	28	PCI/L	12.5	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	14331-83-0	Actinium-228	TRG	U	E901.1	BS1	33.5	66.7	PCI/L	0	U		18/06/2004	9:34	128	PCI/L	58.8	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	14391-16-3	Europium-155	TRG	U	E901.1	BS1	-41.7	55.9	PCI/L	0	U		18/06/2004	9:34	89.7	PCI/L	42.7	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	14391-65-2	Silver-108m	TRG	U	E901.1	BS1	-12	14.3	PCI/L	0	U		18/06/2004	9:34	23.4	PCI/L	10.7	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	14596-10-2	Americium-241	TRG	U	E901.1	BS1	982	239	PCI/L	0			18/06/2004	9:34	189	PCI/L	90.3	PCI/L	1	0	0.5	L	93	7	PCI/L		PR	
	MSR#04-1488	1200640463	339720	14681-63-1	Niobium-94	TRG	U	E901.1	BS1	-10.6	16	PCI/L	0	U		18/06/2004	9:34	26	PCI/L	11.8	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	14683-23-9	Europium-152	TRG	U	E901.1	BS1	-18.3	40.1	PCI/L	0	U		18/06/2004	9:34	68.9	PCI/L	31.9	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	14733-03-0	Bismuth-214	TRG	U	E901.1	BS1	0.348	29	PCI/L	0	U		18/06/2004	9:34	51.5	PCI/L	23.5	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	14913-49-6	Bismuth-212	TRG	U	E901.1	BS1	96.5	145	PCI/L	0	U		18/06/2004	9:34	269	PCI/L	124	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	14913-50-9	Thallium-208	TRG	U	E901.1	BS1	12.1	16	PCI/L	0	U		18/06/2004	9:34	30.5	PCI/L	14.1	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	15067-28-4	Lead-214	TRG	U	E901.1	BS1	-2.34	30.1	PCI/L	0	U		18/06/2004	9:34	53.3	PCI/L	24.8	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	15092-94-1	Lead-212	TRG	U	E901.1	BS1	48.4	44	PCI/L	0			18/06/2004	9:34	40.9	PCI/L	19.2	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200640463	339720	15585-10-1	Europium-154	TRG	U	E901.1	BS1	-21.2	38.9	PCI/L	0	U		18/06/2004	9:34	67.2	PCI/L	27.9	PCI/L	1	0	0.5	L		PCI/L		PR		
	MSR#04-1488	1200641217	340030	13981-16-3	Plutonium-238	TRG	U	PU11RCM	LB1	0.0395	0.111	PCI/L	0	U		16/06/2004	9:29	0.276	PCI/L	0.0867	PCI/L	1	0	0.2	L		PCI/L		PR		
	MSR#04-1488	1200641217	340030	OER-100-70	Plutonium-239/240	TRG	U	PU11RCM	LB1	0.0213	0.114	PCI/L	0	U		16/06/2004	9:29	0.315	PCI/L	0.106	PCI/L	1	0	0.2	L		PCI/L		PR		
3100-0000-186-C-1C-01	MSR#04-1488	1200641218	340030	13981-16-3	Plutonium-238	TRG	U	PU11RCM	LR1	-0.00814	0.0684	PCI/L	0	U		16/06/2004	9:29	0.169	PCI/L	0.0387	PCI/L	1	0	0.2	L		PCI/L	-0.0	14	PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200641218	340030	OER-100-70	Plutonium-239/240	TRG	U	PU11RCM	LR1	0.0258	0.0683	PCI/L	0	U		16/06/2004	9:29	0.169	PCI/L	0.0386	PCI/L	1	0	0.2	L		PCI/L	0.05	58	PR	
3100-0000-186-C-1C-01	MSR#04-1488	1200641219	340030	13981-16-3	Plutonium-238	TRG	U	PU11RCM	MS1	0.153	0.17	PCI/L	0	U		16/06/2004	9:29	0.275	PCI/L	0.0864	PCI/L	1	0	0.2	L		PCI/L		PR		
3100-0000-186-C-1C-01	MSR#04-1488	1200641219	340030	OER-100-70	Plutonium-239/240	TRG	U	PU11RCM	MS1	13.7	1.41	PCI/L	0			16/06/2004	9:29	0.252	PCI/L	0.0747	PCI/L	1	0	0.2	L	12	.0	PCI/L	12.1	PR	
	MSR#04-1488	1200641220	340030	13981-16-3	Plutonium-238	TRG	U	PU11RCM	BS1	0.0545	0.108	PCI/L	0	U		16/06/2004	9:29	0.236	PCI/L	0.0772	PCI/L	1	0	0.2	L		PCI/L		PR		
	MSR#04-1488	1200641220	340030	OER-100-70	Plutonium-239/240	TRG	U	PU11RCM	BS1	13.2	1.24	PCI/L	0			16/06/2004	9:29	0.22	PCI/L	0.069	PCI/L	1	0	0.2	L	12	.0	PCI/L		PR	
	MSR#04-1488	1200641221	340033	14119-32-5	Plutonium-241	TRG	U	PU11RCM	LB1	3.67	4.02	PCI/L	0	U		22/06/2004	3:24	8.74	PCI/L	3.32	PCI/L	1	0	0.4	L		PCI/L		PR		
3100-0000-186-C-1C-01	MSR#04-1488	1200641222	340033	14119-32-5	Plutonium-241	TRG	U	PU11RCM	LR1	1.87	4.51	PCI/L	0	U		22/06/2004	5:27	7.62	PCI/L	3.76	PCI/L	1	0	0.4	L		PCI/L	1.57	PR		
3100-0000-186-C-1C-01	MSR#04-1488	1200641223	340033	14119-32-5	Plutonium-241	TRG	U	PU11RCM	MS1	164	9.74	PCI/L	0			22/06/2004	7:31	12.6	PCI/L	6.23	PCI/L	1	0	0.4	L	17	9	PCI/L	181	PR	
	MSR#04-1488	1200641224	340033	14119-32-5	Plutonium-241	TRG	U	PU11RCM	BS1	163	8.88	PCI/L	0			22/06/2004	8:45	10.4	PCI/L	5.09	PCI/L	1	0	0.4	L	17	8	PCI/L		PR	
	MSR#04-1488	1200643522	340926	14133-76-7	Technetium-99	TRG	U	TC02RCM	LB1	-1.03	4.3	PCI/L	0	U		21/06/2004	4:06	7.47	PCI/L	3.64	PCI/L	1	0	0.3	L		PCI/L		PR		
	MSR#04-1488	1200643525	340926	14133-76-7	Technetium-99	TRG	U	TC02RCM	BS1	392	11.4	PCI/L	0			21/06/2004	5:42	7.38	PCI/L	3.59	PCI/L	1	0	0.3	L	39	2	PCI/L		PR	
	MSR#04-1488	1200643608	340950	14681-59-5	Iron-55	TRG	U	LSC	LB1	-14	11.2	PCI/L	0	U		21/06/2004	4:27	8.86	PCI/L	4.29	PCI/L	1	0	0.55	L		PCI/L		PR		
	MSR#04-1488	1200643611	340950	14681-59-5	Iron-55	TRG	U	LSC	BS1	51.7	11.9	PCI/L	0			21/06/2004	7:35	8.46	PCI/L	4.1	PCI/L	1	0	0.55	L	55	.1	PCI/L		PR	
	MSR#04-1488	1200643612	340951	13781-37-8	Nickel-63	TRG	U	LSC	LB1	-0.198	5.11	PCI/L	0	U		20/06/2004	9:57	8.84	PCI/L	4.29	PCI/L	1	0	0.55	L		PCI/L		PR		
	MSR#04-1488	1200643615	340951	13781-37-8	Nickel-63	TRG	U	LSC	BS1	214	9.99	PCI/L	0			20/06/2004	11:31	8.58	PCI/L	4.17	PCI/L	1	0	0.55	L	24	9	PCI/L		PR	
	MSR#04-1488	1200643624	340954	10028-17-8	Tritium	TRG	U	E906.0	LB1	-8.7	117	PCI/L	0	U		19/06/2004	4:11	197	PCI/L	98.7	PCI/L	1	0				PCI/L		PR		
	MSR#04-1488	1200643627	340954	10028-17-8	Tritium	TRG	U	E906.0	BS1	3110	258	PCI/L	0			19/06/2004	8:46	317	PCI/L	159	PCI/L	1	0			32	40	PCI/L		PR	
	MSR#04-1488	1200643662	340973	10098-97-2	Strontium-90	TRG	U	E905M	LB1	0.67	0.618	PCI/L	0	U		18/06/2004	1:40	1.28	PCI/L	0.596	PCI/L	1	0	0.4	L		PCI/L		PR		
	MSR#04-1488	1200643665	340973	10098-97-2	Strontium-90	TRG	U	E905M	BS1	48.2	2.5	PCI/L	0			18/06/2004	1:40	1.23	PCI/L	0.571	PCI/L	1	0	0.4	L	45	.9	PCI/L		PR	

	MSR#04-1488	1200647380	342519	14596-10-2	Americium-241	TRG	U	AM05RCM	LB1	0.0539	0.061	PCI/L	0		21/06/2004	9:18	0.0487	PCI/L	0	PCI/L	1	0	0.1	L		PCI/L			PR		
	MSR#04-1488	1200647380	342519	OER-100-93	Curium-242	TRG	U	AM05RCM	LB1	-0.0361	0.0501	PCI/L	0	U	21/06/2004	9:18	0.168	PCI/L	0.0594	PCI/L	1	0	0.1	L		PCI/L			PR		
	MSR#04-1488	1200647380	342519	OER-101-57	Curium-243/244	TRG	U	AM05RCM	LB1	0.0359	0.141	PCI/L	0	U	21/06/2004	9:18	0.27	PCI/L	0.111	PCI/L	1	0	0.1	L		PCI/L			PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200647381	342519	14596-10-2	Americium-241	TRG	U	AM05RCM	LR2	-0.038	0.19	PCI/L	0	U	21/06/2004	9:18	0.382	PCI/L	0.165	PCI/L	1	0	0.1	L		PCI/L	-0.0		184	PR	
3100-0000-185-C-1C-01	MSR#04-1488	1200647381	342519	OER-100-93	Curium-242	TRG	U	AM05RCM	LR2	0	0.115	PCI/L	0	U	21/06/2004	9:18	0.257	PCI/L	0.0963	PCI/L	1	0	0.1	L		PCI/L	0.00		PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200647381	342519	OER-101-57	Curium-243/244	TRG	U	AM05RCM	LR2	-0.0573	0.221	PCI/L	0	U	21/06/2004	9:18	0.439	PCI/L	0.194	PCI/L	1	0	0.1	L		PCI/L	0.07		38	PR	
3100-0000-185-C-1C-01	MSR#04-1488	1200647382	342519	14596-10-2	Americium-241	TRG	U	AM05RCM	MS2	110	5.48	PCI/L	0		21/06/2004	9:18	1.76	PCI/L	0.788	PCI/L	1	0	0.025	L	10	7	PCI/L	107	PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200647382	342519	OER-100-93	Curium-242	TRG	U	AM05RCM	MS2	0.609	0.661	PCI/L	0	U	21/06/2004	9:18	1.05	PCI/L	0.405	PCI/L	1	0	0.025	L		PCI/L			PR		
3100-0000-185-C-1C-01	MSR#04-1488	1200647382	342519	OER-101-57	Curium-243/244	TRG	U	AM05RCM	MS2	144	6.28	PCI/L	0		21/06/2004	9:18	1.8	PCI/L	0.808	PCI/L	1	0	0.025	L	13	9	PCI/L	139	PR		
	MSR#04-1488	1200647383	342519	14596-10-2	Americium-241	TRG	U	AM05RCM	BS1	26.9	1.37	PCI/L	0		21/06/2004	9:18	0.338	PCI/L	0.145	PCI/L	1	0	0.1	L	26	9	PCI/L		PR		
	MSR#04-1488	1200647383	342519	OER-100-93	Curium-242	TRG	U	AM05RCM	BS1	-0.018	0.0791	PCI/L	0	U	21/06/2004	9:18	0.194	PCI/L	0.0727	PCI/L	1	0	0.1	L		PCI/L			PR		
	MSR#04-1488	1200647383	342519	OER-101-57	Curium-243/244	TRG	U	AM05RCM	BS1	36.2	1.6	PCI/L	0		21/06/2004	9:18	0.468	PCI/L	0.208	PCI/L	1	0	0.1	L	34	5	PCI/L		PR		
	MSR#04-1488	1200648254	342821	14762-75-5	Carbon-14	TRG	U	LSC	LB1	-7.53	5.57	PCI/L	0	U	21/06/2004	10:01	9.92	PCI/L	4.85	PCI/L	1	0	0.3	L		PCI/L			PR		
	MSR#04-1488	1200648257	342821	14762-75-5	Carbon-14	TRG	U	LSC	BS1	215	9.8	PCI/L	0		21/06/2004	11:34	9.6	PCI/L	4.7	PCI/L	1	0	0.3	L	21	9	PCI/L		PR		

3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	10045-97-3	Cesium-137	TRG 8	UE901.1	E901.1	REG	1400	110	PCI/L	0		18/06/200	9:31	13.2	PCI/L	6.3	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	10198-40-0	Cobalt-60	TRG 8	UE901.1	E901.1	REG	56.7	12.5	PCI/L	0		18/06/2004	9:31	8.62	PCI/L	3.84	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	13966-00-2	Potassium-40	TRG 8	UE901.1	E901.1	REG	67.9	65.8	PCI/L	0		18/06/2004	9:31	57	PCI/L	23.9	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	13966-31-9	Manganese-54	TRG 8	UE901.1	E901.1	REG	-1.67	5.06	PCI/L	0	U	18/06/2004	9:31	8.59	PCI/L	3.94	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	13967-70-9	Cesium-134	TRG 8	UE901.1	E901.1	REG	24.7	9.89	PCI/L	0		18/06/2004	9:31	9.03	PCI/L	4.14	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14331-83-0	Actinium-228	TRG 8	UE901.1	E901.1	REG	22	23.8	PCI/L	0	U	18/06/2004	9:31	36.4	PCI/L	16.9	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14391-16-3	Europium-155	TRG 8	UE901.1	E901.1	REG	1.01	19.9	PCI/L	0	U	18/06/2004	9:31	34.7	PCI/L	16.8	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14391-65-2	Silver-108m	TRG 8	UE901.1	E901.1	REG	6.24	8.38	PCI/L	0	U	18/06/2004	9:31	14.9	PCI/L	7.23	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14596-10-2	Americium-241	TRG 8	UE901.1	E901.1	REG	-4.14	51.6	PCI/L	0	U	18/06/2004	9:31	58.8	PCI/L	28.5	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14681-63-1	Niobium-94	TRG 8	UE901.1	E901.1	REG	-1.4	4.58	PCI/L	0	U	18/06/2004	9:31	7.82	PCI/L	3.63	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14683-23-9	Europium-152	TRG 8	UE901.1	E901.1	REG	-2.26	22	PCI/L	0	U	18/06/2004	9:31	36.4	PCI/L	17.6	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14733-03-0	Bismuth-214	TRG 8	UE901.1	E901.1	REG	15.7	13.2	PCI/L	0	U	18/06/2004	9:31	22	PCI/L	10.5	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14913-49-6	Bismuth-212	TRG 8	UE901.1	E901.1	REG	-15.6	48.1	PCI/L	0	U	18/06/2004	9:31	69.7	PCI/L	32.3	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	14913-50-9	Thallium-208	TRG 8	UE901.1	E901.1	REG	4.4	7.11	PCI/L	0	U	18/06/2004	9:31	12.8	PCI/L	6.09	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	15067-28-4	Lead-214	TRG 8	UE901.1	E901.1	REG	0	30	PCI/L	0	UUI	18/06/2004	9:31	27.3	PCI/L	13.2	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	15092-94-1	Lead-212	TRG 8	UE901.1	E901.1	REG	5.91	16.8	PCI/L	0	U	18/06/2004	9:31	23.6	PCI/L	11.5	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	339720	15585-10-1	Europium-154	TRG 8	UE901.1	E901.1	REG	-5.71	13.4	PCI/L	0	U	18/06/2004	9:31	23.2	PCI/L	10.3	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340030	13981-16-3	Plutonium-238	TRG 32	UPU11RCM	PU11RCM	REG	-0.014	0.0722	PCI/L	0	U	16/06/2004	9:29	0.263	PCI/L	0.0887	PCI/L	1	0	0.2	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340030	OER-100-70	Plutonium-239/240	TRG 32	UPU11RCM	PU11RCM	REG	0.0558	0.0892	PCI/L	0	U	16/06/2004	9:29	0.158	PCI/L	0.0362	PCI/L	1	0	0.2	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340033	14119-32-5	Plutonium-241	TRG 36	UPU11RCM	PU11RCM	REG	1.57	4.7	PCI/L	0	U	21/06/2004	11:16	7.96	PCI/L	3.92	PCI/L	1	0	0.4	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340926	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	0.214	4.14	PCI/L	0	U	21/06/2004	12:21	7.13	PCI/L	3.47	PCI/L	1	0	0.3	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340950	14681-59-5	Iron-55	TRG 26	ULSC	LSC	REG	-26.1	11.5	PCI/L	0	U	20/06/2004	9:09	9.23	PCI/L	4.47	PCI/L	1	0	0.55	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340951	13781-37-8	Nickel-63	TRG 30	ULSC	LSC	REG	95.2	9.6	PCI/L	0		20/06/2004	6:17	11.8	PCI/L	5.71	PCI/L	1	0	0.55	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340954	10028-17-8	Tritium	TRG 21	UE906.0	E906.0	REG	44700	487	PCI/L	0		18/06/2004	1:45	178	PCI/L	89.2	PCI/L	1	0			PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	340973	10098-97-2	Strontium-90	TRG 45	UE905M	E905M	REG	55.5	2.13	PCI/L	0		17/06/2004	9:46	1.11	PCI/L	0.527	PCI/L	1	0	0.4	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	342519	14596-10-2	Americium-241	TRG 1	UAM05RCM	AM05RCM	REG	-0.0194	0.19	PCI/L	0	U	21/06/2004	9:18	0.378	PCI/L	0.163	PCI/L	1	0	0.1	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	342519	OER-100-93	Curium-242	TRG 1	UAM05RCM	AM05RCM	REG	-0.0489	0.117	PCI/L	0	U	21/06/2004	9:18	0.293	PCI/L	0.114	PCI/L	1	0	0.1	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	342519	OER-101-57	Curium-243/244	TRG 1	UAM05RCM	AM05RCM	REG	0.117	0.202	PCI/L	0	U	21/06/2004	9:18	0.354	PCI/L	0.15	PCI/L	1	0	0.1	L	PCI/L		PR
3100-0000-186-C-1C-01	MSR#04-1488	113667003	342821	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	-11.8	34.8	PCI/L	0	U	21/06/2004	7:26	60.2	PCI/L	29.5	PCI/L	1	0	0.05	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	10045-97-3	Cesium-137	TRG 8	UE901.1	E901.1	REG	212	22.4	PCI/L	0		18/06/2004	9:32	7.72	PCI/L	3.56	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	10198-40-0	Cobalt-60	TRG 8	UE901.1	E901.1	REG	6.25	6.5	PCI/L	0	U	18/06/2004	9:32	6.5	PCI/L	2.76	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	13966-00-2	Potassium-40	TRG 8	UE901.1	E901.1	REG	79	49.9	PCI/L	0	U	18/06/2004	9:32	109	PCI/L	49.7	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	13966-31-9	Manganese-54	TRG 8	UE901.1	E901.1	REG	-2.56	3.47	PCI/L	0	U	18/06/2004	9:32	5.72	PCI/L	2.51	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	13967-70-9	Cesium-134	TRG 8	UE901.1	E901.1	REG	0	8.42	PCI/L	0	UUI	18/06/2004	9:32	7.54	PCI/L	3.4	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14331-83-0	Actinium-228	TRG 8	UE901.1	E901.1	REG	5.14	12.8	PCI/L	0	U	18/06/2004	9:32	24.6	PCI/L	11.1	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14391-16-3	Europium-155	TRG 8	UE901.1	E901.1	REG	5.89	11.6	PCI/L	0	U	18/06/2004	9:32	21	PCI/L	10	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14391-65-2	Silver-108m	TRG 8	UE901.1	E901.1	REG	2.54	4.6	PCI/L	0	U	18/06/2004	9:32	6.64	PCI/L	3.1	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14596-10-2	Americium-241	TRG 8	UE901.1	E901.1	REG	3.55	17.2	PCI/L	0	U	18/06/2004	9:32	31.5	PCI/L	14.9	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14681-63-1	Niobium-94	TRG 8	UE901.1	E901.1	REG	-2.57	3.35	PCI/L	0	U	18/06/2004	9:32	5.59	PCI/L	2.53	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14683-23-9	Europium-152	TRG 8	UE901.1	E901.1	REG	10.4	11.4	PCI/L	0	U	18/06/2004	9:32	20.7	PCI/L	9.76	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14733-03-0	Bismuth-214	TRG 8	UE901.1	E901.1	REG	9.71	8.21	PCI/L	0	U	18/06/2004	9:32	16	PCI/L	7.51	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14913-49-6	Bismuth-212	TRG 8	UE901.1	E901.1	REG	16.5	25.7	PCI/L	0	U	18/06/2004	9:32	51.1	PCI/L	23.1	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	14913-50-9	Thallium-208	TRG 8	UE901.1	E901.1	REG	8.16	7.69	PCI/L	0	U	18/06/2004	9:32	9.1	PCI/L	4.27	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	15067-28-4	Lead-214	TRG 8	UE901.1	E901.1	REG	5.98	8.08	PCI/L	0	U	18/06/2004	9:32	14.5	PCI/L	6.86	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	15092-94-1	Lead-212	TRG 8	UE901.1	E901.1	REG	7.82	6.9	PCI/L	0	U	18/06/2004	9:32	12.5	PCI/L	5.99	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	339720	15585-10-1	Europium-154	TRG 8	UE901.1	E901.1	REG	-1.41	11.5	PCI/L	0	U	18/06/2004	9:32	20.6	PCI/L	8.85	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340030	13981-16-3	Plutonium-238	TRG 32	UPU11RCM	PU11RCM	REG	-0.0468	0.041	PCI/L	0	U	16/06/2004	9:29	0.304	PCI/L	0.0994	PCI/L	1	0	0.2	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340030	OER-100-70	Plutonium-239/240	TRG 32	UPU11RCM	PU11RCM	REG	-0.0374	0.0367	PCI/L	0	U	16/06/2004	9:29	0.283	PCI/L	0.0888	PCI/L	1	0	0.2	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340033	14119-32-5	Plutonium-241	TRG 36	UPU11RCM	PU11RCM	REG	6.11	4.54	PCI/L	0	U	22/06/2004	1:20	7.55	PCI/L	3.73	PCI/L	1	0	0.4	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340926	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-2.65	4.17	PCI/L	0	U	21/06/2004	12:53	7.34	PCI/L	3.57	PCI/L	1	0	0.3	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340950	14681-59-5	Iron-55	TRG 26	ULSC	LSC	REG	-7.25	12.6	PCI/L	0	U	20/06/2004	10:12	9.92	PCI/L	4.8	PCI/L	1	0	0.55	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340951	13781-37-8	Nickel-63	TRG 30	ULSC	LSC	REG	10.6	4.66	PCI/L	0		20/06/2004	6:49	7.43	PCI/L	3.61	PCI/L	1	0	0.55	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340954	10028-17-8	Tritium	TRG 21	UE906.0	E906.0	REG	54500	563	PCI/L	0		18/06/2004	3:49	197	PCI/L	98.5	PCI/L	1	0			PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	340973	10098-97-2	Strontium-90	TRG 45	UE905M	E905M	REG	23	1.46	PCI/L	0		17/06/2004	9:46	1.1	PCI/L	0.522	PCI/L	1	0	0.4	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	342519	14596-10-2	Americium-241	TRG 1	UAM05RCM	AM05RCM	REG	-0.0184	0.173	PCI/L	0	U	21/06/2004	9:18	0.346	PCI/L	0.148	PCI/L	1	0	0.1	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	342519	OER-100-93	Curium-242	TRG 1	UAM05RCM	AM05RCM	REG	0	0.109	PCI/L	0	U	21/06/2004	9:18	0.245	PCI/L	0.0916	PCI/L	1	0	0.1	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	342519	OER-101-57	Curium-243/244	TRG 1	UAM05RCM	AM05RCM	REG	0.0738	0.217	PCI/L	0	U	21/06/2004	9:18	0.393	PCI/L	0.172	PCI/L	1	0	0.1	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	113667004	342821	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	-24.6	33.8	PCI/L	0	U	21/06/2004	7:57	59.1	PCI/L	28.9	PCI/L	1	0	0.05	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	10045-97-3	Cesium-137	TRG	U	E901.1	LB1	-1.05	3.56	PCI/L	0	U	18/06/2004	9:33	6.06	PCI/L	2.78	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	10198-40-0	Cobalt-60	TRG	U	E901.1	LB1	3.05	3.86	PCI/L	0	U	18/06/2004	9:33	7.3	PCI/L	3.25	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	13966-00-2	Potassium-40	TRG	U	E901.1	LB1	0	67.4	PCI/L	0	UUI	18/06/2004	9:33	49.1	PCI/L	20.5	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	13966-31-9	Manganese-54	TRG	U	E901.1	LB1	-0.914	3.07	PCI/L	0	U	18/06/2004	9:33	5.51	PCI/L	2.49	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	13967-70-9	Cesium-134	TRG	U	E901.1	LB1	5.47	3.88	PCI/L	0	U	18/06/2004	9:33	7.78	PCI/L	3.59	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	14331-83-0	Actinium-228	TRG	U	E901.1	LB1	9.59	20.1	PCI/L	0	U	18/06/2004	9:33	26.3	PCI/L	12.1	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	14391-16-3	Europium-155	TRG	U	E901.1	LB1	1.35	9.76	PCI/L	0	U	18/06/2004	9:33	16.8	PCI/L	8	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	14391-65-2	Silver-108m	TRG	U	E901.1	LB1	3.01	3.14	PCI/L	0	U	18/06/2004	9:33	5.97	PCI/L	2.8	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	14596-10-2	Americium-241	TRG	U	E901.1	LB1	-12.1	16.7	PCI/L	0	U	18/06/2004	9:33	24.4	PCI/L	11.5	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	14681-63-1	Niobium-94	TRG	U	E901.1	LB1	2.74	3.14	PCI/L	0	U	18/06/2004	9:33	5.98	PCI/L	2.76	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	14683-23-9	Europium-152	TRG	U	E901.1	LB1	6.07	12.1	PCI/L	0	U	18/06/2004	9:33	16.5	PCI/L	7.74	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	14733-03-0	Bismuth-214	TRG	U	E901.1	LB1	4.86	13.9	PCI/L	0	U	18/06/2004	9:33	15.2	PCI/L	7.16	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	14913-49-6	Bismuth-212	TRG	U	E901.1	LB1	26	26.3	PCI/L	0	U	18/06/2004	9:33	50.9	PCI/L	23.5	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	14913-50-9	Thallium-208	TRG	U	E901.1	LB1	3.41	3.95	PCI/L	0	U	18/06/2004	9:33	7.36	PCI/L	3.45	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	15067-28-4	Lead-214	TRG	U	E901.1	LB1	5.96	9.98	PCI/L	0	U	18/06/2004	9:33	13.4	PCI/L	6.32	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	15092-94-1	Lead-212	TRG	U	E901.1	LB1	0.448	10.6	PCI/L	0	U	18/06/2004	9:33	12.2	PCI/L	5.85	PCI/L	1	0	0.5	L	PCI/L		PR
	MSR#04-1488	1200640460	339720	15585-10-1	Europium-154	TRG	U	E901.1	LB1	6.24	10.2	PCI/L	0	U	18/06/2004	9:33	20.4	PCI/L	9.14	PCI/L	1	0	0.5	L	PCI/L		PR
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	10045-97-3	Cesium-137	TRG	U	E901.1	LR1	211	22.7	PCI/L	0		19/06/2004	3:35	6.71	PCI/L	3.06	PCI/L	1	0	0.5	L	PCI/L	212	PR
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	10198-40-0	Cobalt-60	TRG	U	E901.1	LR1	7.44	7.67	PCI/L	0	U	19/06/2004	3:35	7.56	PCI/L	3.3	PCI/L	1	0	0.5	L	PCI/L	6.25	PR
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	13966-00-2	Potassium-40	TRG	U	E901.1	LR1	47.9	48.9	PCI/L	0	U	19/06/2004	3:35	99.7	PCI/L	45.1	PCI/L	1	0	0.5	L	PCI/L	79.0	PR
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	13966-31-9	Manganese-54	TRG	U	E901.1	LR1	-2.81	4.12	PCI/L	0	U	19/06/2004	3:35	6.59	PCI/L	2.95	PCI/L	1	0	0.5	L	PCI/L	-2.5	6 PR
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	13967-70-9	Cesium-134	TRG	U	E901.1	LR1	5.86	3.69	PCI/L	0	U	19/06/2004	3:35	7.13	PCI/L	3.21	PCI/L	1	0	0.5	L	PCI/L	0.00	PR
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14331-83-0	Actinium-228	TRG	U	E901.1	LR1	5.3	13.6	PCI/L	0	U	19/06/2004	3:35	26.3	PCI/L	11.9	PCI/L	1	0	0.5	L	PCI/L	5.14	PR
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14391-16-3	Europium-155	TRG	U	E901.1	LR1	2.97	10.7	PCI/L	0	U	19/06/2004	3:35	19.2	PCI/L	9.15	PCI/L	1	0	0.5	L	PCI/L	5.89	PR
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14391-65-2	Silver-108m	TRG	U	E901.1	LR1	-0.661	3.96	PCI/L	0	U	19/06/2004	3:35	6.97	PCI/L	3.27	PCI/L	1	0	0.5	L	PCI/L	2.54	PR
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14596-10-2	Americium-241	TRG	U	E901.1	LR1	-0.0391	22.7	PCI/L	0	U	19/06/2004	3:35	34.1	PCI/L	16.3	PCI/L	1	0	0.5	L	PCI/L	3.55	PR
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14681-63-1	Niobium-94	TRG	U	E901.1	LR1	1.87	2.97	PCI/L	0	U	19/06/2004	3:35	5.73	PCI/L	2.61	PCI/L	1	0	0.5	L	PCI/L	-2.5	7 PR
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14683-23-9	Europium-152	TRG	U	E901.1	LR1	0.795	11.1	PCI/L	0	U	19/06/2004	3:35	18.8	PCI/L	8.84	PCI/L	1	0	0.5	L	PCI/L	10.4	PR
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14733-03-0	Bismuth-214	TRG	U	E901.1	LR1	11.5	8.37	PCI/L	0	U	19/06/2004	3:35	15.1	PCI/L	7.05	PCI/L	1	0	0.5	L	PCI/L	9.71	PR
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14913-49-6	Bismuth-212	TRG	U	E901.1	LR1	10.3	31.4	PCI/L	0	U	19/06/2004	3:35	57.5	PCI/L	26.4	PCI/L	1	0	0.5	L	PCI/L	16.5	PR

3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	14913-50-9	Thallium-208	TRG	U	E901.1	LR1	5.01	6.18	PCI/L	0	U	19/06/2004	3:35	6.99	PCI/L	3.22	PCI/L	1	0	0.5	L		PCI/L	8.16		PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	15067-28-4	Lead-214	TRG	U	E901.1	LR1	1.31	9.41	PCI/L	0	U	19/06/2004	3:35	14.2	PCI/L	6.69	PCI/L	1	0	0.5	L		PCI/L	5.98		PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	15092-94-1	Lead-212	TRG	U	E901.1	LR1	13.1	7.45	PCI/L	0	U	19/06/2004	3:35	13.6	PCI/L	6.54	PCI/L	1	0	0.5	L		PCI/L	7.82		PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640461	339720	15585-10-1	Europium-154	TRG	U	E901.1	LR1	-1.08	10.6	PCI/L	0	U	19/06/2004	3:35	19.6	PCI/L	8.49	PCI/L	1	0	0.5	L		PCI/L	-1.4		1	PR				
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	10045-97-3	Cesium-137	TRG	U	E901.1	MS1	3720	565	PCI/L	0		18/06/2004	9:33	342	PCI/L	159	PCI/L	1	0	0.05	L	37	10	PCI/L	3920	PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	10198-40-0	Cobalt-60	TRG	U	E901.1	MS1	5420	681	PCI/L	0		18/06/2004	9:33	163	PCI/L	62.2	PCI/L	1	0	0.05	L	58	20	PCI/L	5830	PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	13966-00-2	Potassium-40	TRG	U	E901.1	MS1	1470	1180	PCI/L	0	U	18/06/2004	9:33	2820	PCI/L	1220	PCI/L	1	0	0.05	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	13966-31-9	Manganese-54	TRG	U	E901.1	MS1	118	177	PCI/L	0	U	18/06/2004	9:33	333	PCI/L	153	PCI/L	1	0	0.05	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	13967-70-9	Cesium-134	TRG	U	E901.1	MS1	59.6	174	PCI/L	0	U	18/06/2004	9:33	320	PCI/L	146	PCI/L	1	0	0.05	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14331-83-0	Actinium-228	TRG	U	E901.1	MS1	848	652	PCI/L	0	U	18/06/2004	9:33	1320	PCI/L	610	PCI/L	1	0	0.05	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14391-16-3	Europium-155	TRG	U	E901.1	MS1	-102	412	PCI/L	0	U	18/06/2004	9:33	723	PCI/L	343	PCI/L	1	0	0.05	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14391-65-2	Silver-108m	TRG	U	E901.1	MS1	40.1	113	PCI/L	0	U	18/06/2004	9:33	213	PCI/L	97.9	PCI/L	1	0	0.05	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14596-10-2	Americium-241	TRG	U	E901.1	MS1	10400	1870	PCI/L	0		18/06/2004	9:33	1280	PCI/L	611	PCI/L	1	0	0.05	L	93	70	PCI/L	9370	PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14681-63-1	Niobium-94	TRG	U	E901.1	MS1	19.8	131	PCI/L	0	U	18/06/2004	9:33	237	PCI/L	108	PCI/L	1	0	0.05	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14683-23-9	Europium-152	TRG	U	E901.1	MS1	18.5	349	PCI/L	0	U	18/06/2004	9:33	599	PCI/L	277	PCI/L	1	0	0.05	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14733-03-0	Bismuth-214	TRG	U	E901.1	MS1	161	271	PCI/L	0	U	18/06/2004	9:33	511	PCI/L	235	PCI/L	1	0	0.05	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14913-49-6	Bismuth-212	TRG	U	E901.1	MS1	469	1130	PCI/L	0	U	18/06/2004	9:33	2110	PCI/L	961	PCI/L	1	0	0.05	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	14913-50-9	Thallium-208	TRG	U	E901.1	MS1	-145	154	PCI/L	0	U	18/06/2004	9:33	247	PCI/L	113	PCI/L	1	0	0.05	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	15067-28-4	Lead-214	TRG	U	E901.1	MS1	217	255	PCI/L	0	U	18/06/2004	9:33	492	PCI/L	230	PCI/L	1	0	0.05	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	15092-94-1	Lead-212	TRG	U	E901.1	MS1	58.6	209	PCI/L	0	U	18/06/2004	9:33	377	PCI/L	178	PCI/L	1	0	0.05	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200640462	339720	15585-10-1	Europium-154	TRG	U	E901.1	MS1	-50	341	PCI/L	0	U	18/06/2004	9:33	642	PCI/L	269	PCI/L	1	0	0.05	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	10045-97-3	Cesium-137	TRG	U	E901.1	BS1	372	54.5	PCI/L	0		18/06/2004	9:34	30.9	PCI/L	14.2	PCI/L	1	0	0.5	L	37	0	PCI/L		PR					
	MSR#04-1488	1200640463	339720	10198-40-0	Cobalt-60	TRG	U	E901.1	BS1	650	83	PCI/L	0		18/06/2004	9:34	26.2	PCI/L	11	PCI/L	1	0	0.5	L	57	3	PCI/L		PR					
	MSR#04-1488	1200640463	339720	13966-00-2	Potassium-40	TRG	U	E901.1	BS1	37.5	146	PCI/L	0	U	18/06/2004	9:34	294	PCI/L	126	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	13966-31-9	Manganese-54	TRG	U	E901.1	BS1	-8.27	15.6	PCI/L	0	U	18/06/2004	9:34	27.3	PCI/L	12.3	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	13967-70-9	Cesium-134	TRG	U	E901.1	BS1	-8.92	17	PCI/L	0	U	18/06/2004	9:34	28	PCI/L	12.5	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	14331-83-0	Actinium-228	TRG	U	E901.1	BS1	33.5	66.7	PCI/L	0	U	18/06/2004	9:34	128	PCI/L	58.8	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	14391-16-3	Europium-155	TRG	U	E901.1	BS1	-41.7	55.9	PCI/L	0	U	18/06/2004	9:34	89.7	PCI/L	42.7	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	14391-65-2	Silver-108m	TRG	U	E901.1	BS1	-12	14.3	PCI/L	0	U	18/06/2004	9:34	23.4	PCI/L	10.7	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	14596-10-2	Americium-241	TRG	U	E901.1	BS1	982	239	PCI/L	0		18/06/2004	9:34	189	PCI/L	90.3	PCI/L	1	0	0.5	L	93	7	PCI/L		PR					
	MSR#04-1488	1200640463	339720	14681-63-1	Niobium-94	TRG	U	E901.1	BS1	-10.6	16	PCI/L	0	U	18/06/2004	9:34	26	PCI/L	11.8	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	14683-23-9	Europium-152	TRG	U	E901.1	BS1	-18.3	40.1	PCI/L	0	U	18/06/2004	9:34	68.9	PCI/L	31.9	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	14733-03-0	Bismuth-214	TRG	U	E901.1	BS1	0.348	29	PCI/L	0	U	18/06/2004	9:34	51.5	PCI/L	23.5	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	14913-49-6	Bismuth-212	TRG	U	E901.1	BS1	96.5	145	PCI/L	0	U	18/06/2004	9:34	269	PCI/L	124	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	14913-50-9	Thallium-208	TRG	U	E901.1	BS1	12.1	16	PCI/L	0	U	18/06/2004	9:34	30.5	PCI/L	14.1	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	15067-28-4	Lead-214	TRG	U	E901.1	BS1	-2.34	30.1	PCI/L	0	U	18/06/2004	9:34	53.3	PCI/L	24.8	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	15092-94-1	Lead-212	TRG	U	E901.1	BS1	48.4	44	PCI/L	0		18/06/2004	9:34	40.9	PCI/L	19.2	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200640463	339720	15585-10-1	Europium-154	TRG	U	E901.1	BS1	-21.2	38.9	PCI/L	0	U	18/06/2004	9:34	67.2	PCI/L	27.9	PCI/L	1	0	0.5	L		PCI/L			PR					
	MSR#04-1488	1200641217	340030	13981-16-3	Plutonium-238	TRG	U	PU11RCM	LB1	0.0395	0.111	PCI/L	0	U	16/06/2004	9:29	0.276	PCI/L	0.0867	PCI/L	1	0	0.2	L		PCI/L			PR					
	MSR#04-1488	1200641217	340030	OER-100-70	Plutonium-239/240	TRG	U	PU11RCM	LB1	0.0213	0.114	PCI/L	0	U	16/06/2004	9:29	0.315	PCI/L	0.106	PCI/L	1	0	0.2	L		PCI/L			PR					
3100-0000-186-C-1C-01	MSR#04-1488	1200641218	340030	13981-16-3	Plutonium-238	TRG	U	PU11RCM	LR1	-0.00814	0.0684	PCI/L	0	U	16/06/2004	9:29	0.169	PCI/L	0.0387	PCI/L	1	0	0.2	L		PCI/L	-0.0		14	PR				
3100-0000-186-C-1C-01	MSR#04-1488	1200641218	340030	OER-100-70	Plutonium-239/240	TRG	U	PU11RCM	LR1	0.0258	0.0683	PCI/L	0	U	16/06/2004	9:29	0.169	PCI/L	0.0386	PCI/L	1	0	0.2	L		PCI/L	0.05		58	PR				
3100-0000-186-C-1C-01	MSR#04-1488	1200641219	340030	13981-16-3	Plutonium-238	TRG	U	PU11RCM	MS1	0.153	0.17	PCI/L	0	U	16/06/2004	9:29	0.275	PCI/L	0.0864	PCI/L	1	0	0.2	L		PCI/L			PR					
3100-0000-186-C-1C-01	MSR#04-1488	1200641219	340030	OER-100-70	Plutonium-239/240	TRG	U	PU11RCM	MS1	13.7	1.41	PCI/L	0		16/06/2004	9:29	0.252	PCI/L	0.0747	PCI/L	1	0	0.2	L	12	0	PCI/L	12.1	PR					
	MSR#04-1488	1200641220	340030	13981-16-3	Plutonium-238	TRG	U	PU11RCM	BS1	0.0545	0.108	PCI/L	0	U	16/06/2004	9:29	0.236	PCI/L	0.0772	PCI/L	1	0	0.2	L		PCI/L			PR					
	MSR#04-1488	1200641220	340030	OER-100-70	Plutonium-239/240	TRG	U	PU11RCM	BS1	13.2	1.24	PCI/L	0		16/06/2004	9:29	0.22	PCI/L	0.069	PCI/L	1	0	0.2	L	12	0	PCI/L		PR					
	MSR#04-1488	1200641221	340033	14119-32-5	Plutonium-241	TRG	U	PU11RCM	LB1	3.67	4.92	PCI/L	0	U	22/06/2004	5:24	6.74	PCI/L	3.32	PCI/L	1	0	0.4	L		PCI/L			PR					
3100-0000-186-C-1C-01	MSR#04-1488	1200641222	340033	14119-32-5	Plutonium-241	TRG	U	PU11RCM	LR1	1.87	4.51	PCI/L	0	U	22/06/2004	5:27	7.62	PCI/L	3.76	PCI/L	1	0	0.4	L		PCI/L	1.57		PR					
3100-0000-186-C-1C-01	MSR#04-1488	1200641223	340033	14119-32-5	Plutonium-241	TRG	U	PU11RCM	MS1	164	9.74	PCI/L	0		22/06/2004	7:31	12.6	PCI/L	6.23	PCI/L	1	0	0.4	L	17	9	PCI/L	181	PR					
	MSR#04-1488	1200641224	340033	14119-32-5	Plutonium-241	TRG	U	PU11RCM	BS1	163	8.88	PCI/L	0		22/06/2004	8:45	10.4	PCI/L	5.09	PCI/L	1	0	0.4	L	17	8	PCI/L		PR					
	MSR#04-1488	1200643522	340926	14133-76-7	Technetium-99	TRG	U	TC02RCM	LB1	-1.03	4.3	PCI/L	0	U	21/06/2004	4:06	7.47	PCI/L	3.64	PCI/L	1	0	0.3	L		PCI/L			PR					
	MSR#04-1488	1200643525	340926	14133-76-7	Technetium-99	TRG	U	TC02RCM	BS1	392	11.4	PCI/L	0		21/06/2004	5:42	7.38	PCI/L	3.59	PCI/L	1	0	0.3	L	39	2	PCI/L		PR					
	MSR#04-1488	1200643608	340950	14681-59-5	Iron-55	TRG	U	LSC	LB1	-14	11.2	PCI/L	0	U	21/06/2004	4:27	8.86	PCI/L	4.29	PCI/L	1	0	0.55	L		PCI/L			PR					
	MSR#04-1488	1200643611	340950	14681-59-5	Iron-55	TRG	U	LSC	BS1	51.7	11.9	PCI/L	0		21/06/2004	7:35	8.48	PCI/L	4.1	PCI/L	1	0	0.55	L	55	.1	PCI/L		PR					
	MSR#04-1488	1200643612	340951	13781-37-8	Nickel-63	TRG	U	LSC	LB1	-0.198	5.11	PCI/L	0	U	20/06/2004	9:57	8.84	PCI/L	4.29	PCI/L	1	0	0.55	L		PCI/L			PR					
	MSR#04-1488	1200643615	340951	13781-37-8	Nickel-63	TRG	U	LSC	BS1	214	9.99	PCI/L	0		20/06/2004	11:31	8.58	PCI/L	4.17	PCI/L	1	0	0.55	L	24	9	PCI/L		PR					
	MSR#04-1488	1200643624	340954	10028-17-8	Tritium	TRG	U	E906.0	LB1	-8.7	117	PCI/L	0	U	19/06/2004	4:11	197	PCI/L	98.7	PCI/L	1	0				PCI/L			PR					
	MSR#04-1488	1200643627	340954	10028-17-8	Tritium	TRG	U	E906.0	BS1	3110	258	PCI/L	0		19/06/2004	8:46	317	PCI/L	159	PCI/L	1	0			32	40	PCI/L		PR					
	MSR#04-1488	1200643662	340973	10098-97-2	Strontium-90	TRG	U	E905M	LB1	0.67	0.618	PCI/L	0	U	18/06/2004	1:40	1.28	PCI/L	0.596	PCI/L	1	0	0.4	L		PCI/L			PR					
	MSR#04-1488	1200643665	340973	10098-97-2	Strontium-90	TRG	U	E905M	BS1	48.2	2.5	PCI/L	0		18/06/2004	1:40	1.23	PCI/L	0.571	PCI/L	1	0	0.4	L	45	.9	PCI/L		PR					
	MSR#04-1488	1200647380	342519	14596-10-2	Americium-241	TRG	U	AM05RCM	LB1	0.0539	0.061	PCI/L	0		21/06/2004	9:18	0.0487	PCI/L	0	PCI/L	1	0	0.1	L		PCI/L			PR					
	MSR#04-1488	1200647380	342519	OER-100-93	Curium-242	TRG	U	AM05RCM	LB1	-0.0361	0.0501	PCI/L	0	U	21/06/2004	9:18	0.168	PCI/L	0.0594	PCI/L	1	0	0.1	L		PCI/L			PR					
	MSR#04-1488	1200647380	342519	OER-101-57	Curium-243/244	TRG	U	AM05RCM	LB1	0.0359	0.141	PCI/L	0	U	21/06/2004	9:18	0.27	PCI/L	0.111	PCI/L	1	0	0.1	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200647381	342519	14596-10-2	Americium-241	TRG	U	AM05RCM	LR2	-0.038	0.19	PCI/L	0	U	21/06/2004	9:18	0.382	PCI/L	0.165	PCI/L	1	0	0.1	L		PCI/L	-0.0		184	PR				
3100-0000-185-C-1C-01	MSR#04-1488	1200647381	342519	OER-100-93	Curium-242	TRG	U	AM05RCM	LR2	0	0.115	PCI/L	0	U	21/06/2004	9:18	0.257	PCI/L	0.0963	PCI/L	1	0	0.1	L		PCI/L	0.00		PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200647381	342519	OER-101-57	Curium-243/244	TRG	U	AM05RCM	LR2	-0.0573	0.221	PCI/L	0	U	21/06/2004	9:18	0.439	PCI/L	0.194	PCI/L	1	0	0.1	L		PCI/L	0.07		38	PR				
3100-0000-185-C-1C-01	MSR#04-1488	1200647382	342519	14596-10-2	Americium-241	TRG	U	AM05RCM	MS2	110	5.48	PCI/L	0		21/06/2004	9:18	1.76	PCI/L	0.788	PCI/L	1	0	0.025	L	10	7	PCI/L	107	PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200647382	342519	OER-100-93	Curium-242	TRG	U	AM05RCM	MS2	0.609	0.661	PCI/L	0	U	21/06/2004	9:18	1.05	PCI/L	0.405	PCI/L	1	0	0.025	L		PCI/L			PR					
3100-0000-185-C-1C-01	MSR#04-1488	1200647382	342519	OER-101-57	Curium-243/244	TRG	U	AM05RCM	MS2	144	6.28	PCI/L	0		21/06/2004	9:18	1.8	PCI/L	0.808	PCI/L	1	0	0.025	L	13	9	PCI/L	139	PR					
	MSR#04-1488	1200647383	342519	14596-10-2	Americium-241	TRG	U	AM05RCM	BS1	26.9	1.37	PCI/L	0		21/06/2004	9:18	0.338	PCI/L	0.145	PCI/L	1	0	0.1	L	26	.9	PCI/L		PR					
	MSR#04-1488	1200647383	342519	OER-100-93	Curium-242	TRG	U	AM05RCM	BS1	-0.018	0.0791	PCI/L	0	U	21/06/2004	9:18	0.194	PCI/L	0.0727	PCI/L	1	0	0.1	L		PCI/L			PR					
	MSR#04-1488	1200647383	342519	OER-101-57	Curium-243/244	TRG	U	AM05RCM	BS1	36.2	1.6	PCI/L	0		21/06/2004	9:18	0.466	PCI/L	0.209	PCI/L	1	0	0.1	L	34	.5	PCI/L		PR					
	MSR#04-1488	1200648254	342821	14762-75-5	Carbon-14	TRG	U	LSC	LB1	-7.53	5.57	PCI/L	0	U	21/06/2004	10:01	9.92	PCI/L	4.85	PCI/L	1	0	0.3	L		PCI/L			PR					
	MSR#04-1488	1200648257	342821	14762-75-5	Carbon-14	TRG	U	LSC	BS1	215	9.8	PCI/L	0		21/06/2004	11:34	9.6	PCI/L	4.7	PCI/L	1	0	0.3	L	21	9	PCI/L		PR					

GENERAL ENGINEERING LABORATORIES, LLC
a Member of THE GEL GROUP, INC.
Meeting Today's Needs with a Vision for Tomorrow

August 30, 2004

Mr. Pete Hollenbeck
Connecticut Yankee Atomic Power
Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424

RE: PO# 002332-Pete Hollenbeck
Work Order: 119295
SDG: MSR#04-2569 BCY-SSWP-04-01-002 Rev 1
SML-175, 176, 181, 182, 183, 184, 185, 186

Dear Mr. Hollenbeck:

General Engineering Laboratories, LLC (GEL) appreciates the opportunity to provide the following analytical results for the sample(s) we received on or between March 26, 2004 and May 19, 2004. Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time.

This data report has been prepared and reviewed in accordance with GEL's standard operating procedures. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4475.

Sincerely,

Sarah

Sarah Kozlik
Project Manager

Purchase Order: 002337
Chain of Custody: 2004-00043, 2004-00046, 2004-00047, 2004-00048, 2004-00049, 2004-00060, 2004-00077 and 2004-00078
Enclosures

P.O. Box 30712 • Charleston, SC 29417 • 2040 Savage Road (29407)
Phone (843) 556-8171 • Fax (843) 766-1178 • www.gel.com

CONNECTICUT YANKEE
RE: PO# 002337-Pete Hollenbeck
Work Order: 119295
SDG: MSR#04-2569

119295001	3100-0000-175-C-1C-01
119295002	3100-0000-175-C-1C-02
119295003	3100-0000-186-C-1C-02
119295004	3100-0000-186-C-1C-03
119295005	3100-0000-185-C-1C-02
119295006	3100-0000-185-C-1C-03
119295007	3100-0000-176-C-1C-01
119295008	3100-0000-176-C-1C-02
119295009	3100-0000-181-C-1C-01
119295010	3100-0000-181-C-1C-02
119295011	3100-0000-182-C-1C-01
119295012	3100-0000-182-C-1C-02
119295013	3100-0000-183-C-1C-01
119295014	3100-0000-183-C-1C-02
119295015	3100-0000-184-C-1C-01
119295016	3100-0000-184-C-1C-02

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CASE NARRATIVE

CASE NARRATIVE
For
CONNECTICUT YANKEE
RE: PO# 002337-Pete Hollenbeck
Work Order: 119295
SDG: MSR#04-2569

August 30, 2004

Laboratory Identification:
General Engineering Laboratories, LLC

Mailing Address:
P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:
2040 Savage Road
Charleston, South Carolina 29407

Telephone Number:
(843) 556-8171

Summary:

Sample receipt

The concrete samples for SDG# MSR#04-2569 arrived at General Engineering Laboratories, LLC, (GEL) in Charleston, South Carolina on or between March 26, 2004 and May 19, 2004. The samples were originally assigned to GEL WO#s 109720, 111637, and 113280. Per the request of Pete Hollenbeck on August 17, 2004, sixteen concrete samples were re-assigned to WO# 119295. All sample containers arrived without any visible signs of tampering or breakage. The chain of custody contained the proper documentation and signatures.

The laboratory received the following samples:

3100-0000-175-C-1C-01	3100-0000-181-C-1C-01
3100-0000-175-C-1C-02	3100-0000-181-C-1C-02
3100-0000-186-C-1C-02	3100-0000-182-C-1C-01
3100-0000-186-C-1C-03	3100-0000-182-C-1C-02
3100-0000-185-C-1C-02	3100-0000-183-C-1C-01
3100-0000-185-C-1C-03	3100-0000-183-C-1C-02
3100-0000-176-C-1C-01	3100-0000-184-C-1C-01
3100-0000-176-C-1C-02	3100-0000-184-C-1C-02

Items of Note:

There are no items to note.

Case Narrative:

Sample analyses were conducted using methodology as outlined in General Engineering Laboratories (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are listed below by analytical parameter.

Analytical Request:

Sixteen concrete samples were analyzed for Tc-99 and C-14.

Internal Chain of Custody:

Custody was maintained for all of these samples.

Data Package:

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Laboratory Certifications, and all Analytical Fractions.

I certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

Sarah Kozlik
Project Manager

CHAIN OF CUSTODY

1116037-90

Chain of Custody Form

No. 2004-00060

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

119295 Reloc #

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
3100-0000-175-C-1C-01	3/25/04	1440	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-175-C-1C-02	3/25/04	1440	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-175-C-4C-01	3/29/04	0825	CT	CR	BP	X	X	X	X	X			
3100-0000-175-C-4C-02	3/29/04	0825	CT	CR	BP	X	X	X	X	X			
3100-0000-175-C-10C-01	3/29/04	1420	CT	CR	BP	X	X	X					
3100-0000-175-C-17C-01	3/30/04	1330	CT	CR	BP	X	X	X					
3100-0000-175-C-20C-01	3/30/04	1430	CT	CR	BP	X	X	X					
3100-0000-175-C-20C-02	3/30/04	1430	CT	CR	BP	X	X	X					
3101-0000-175-B-21B-01	3/31/04	1100	BR	CR	BP	X	X	X					
3101-0000-175-B-21B-02	3/31/04	1100	BR	CR	BP	X	X	X					

NOTES: PO #: 002337 MSR #: 04-1223 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7012 2204 3950
Bill of Lading #

Internal Container Temp.: 13 Deg. C

Custody Sealed? Y ☐ N ☑

Custody Seal Intact? Y ☐ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
[signature]	4/26/04 1235	[signature]	4-27-04 0930
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Chain of Custody Form

No. 2004-00078

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

119295-RGlog# 113280%

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik

Priority: ☒ 30 D. ☐ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	CHALL	SPLP – See Notes				Comment, Preservation	Lab Sample ID
3100-0000-186-C-1C-01	4/29/04	1115	CT	CR	BP		X	X				contains PCB's (<400 ppm)	
3100-0000-186-C-1C-02	4/29/04	1115	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-186-C-1C-03	4/29/04	1115	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-186-C-1C-04	4/29/04	1115	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-186-C-1C-05	4/29/04	1115	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-186-C-1C-06	4/29/04	1115	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-186-C-1C-07	4/29/04	1115	CT	CR	BP	X						contains PCB's (<400 ppm)	
												contains PCB's (<400 ppm)	

PO #: 002337 MSR #: 04-1488 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

NOTES: 3100-0000-186-C-1C-01 contains two (2) concrete core pieces; combine and analyze.

SPLP: CHALL on liquid extraction; Analyze to GW MDC's.

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____

84182803830 9
Bill of Lading #

Internal Container Temp.: 23.2 Deg. C

Custody Sealed? Y☑ N☐

Custody Seal Intact? Y☑ N☐

*no custody tape

1) Relinquished By	Date/Time	2) Received By	Date/Time
[signature]	5/18/04 1020	[signature]	5/19/04 9:[illegible]
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Chain of Custody Form

No. 2004-00077

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

119295-Relog# 1132801

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik

Priority: ☒ 30 D. ☐ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	CHALL	SPLP – See Notes				Comment, Preservation	Lab Sample ID
3100-0000-185-C-1C-01	5/3/04	0845	CT	CR	BP		X	X				contains PCB's (<400 ppm)	
3100-0000-185-C-1C-02	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-185-C-1C-03	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-185-C-1C-04	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-185-C-1C-05	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-185-C-1C-06	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-185-C-1C-07	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	
3100-0000-185-C-1C-08	5/3/04	0845	CT	CR	BP	X						contains PCB's (<400 ppm)	

PO #: 002337 MSR #: 04-1488 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

NOTES: 3100-0000-185-C-1C-01 contains two (2) concrete core pieces; combine and analyze.

SPLP: CHALL on liquid extraction; Analyze to GW MDC's.

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____

841828038309
Bill of Lading #

Internal Container Temp. 23.0 Deg. C

Custody Sealed? Y ☑ N ☐

Custody Seal Intact? Y ☑ N ☐ * no custody tape

1) Relinquished By: D Muller	Date/Time: 5/18/04 1020
2) Received By: [illegible]	Date/Time: 5-19-04 9:00
3) Relinquished By	Date/Time
4) Received By	Date/Time
5) Relinquished By	Date/Time
6) Received By	Date/Time

Chain of Custody Form

No. 2004-00043

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

119295 - Relog #

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik 1097207o

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
01 3100-0000-176-C-1C-01	3/8/04	0850	CT	CR	BP	X							
02 3100-0000-176-C-1C-02	3/8/04	0850	CT	CR	BP	X							
3100-0000-176-C-3C-01	3/8/04	1015	CT	CR	BP	X	X	X	X	X			
910 3100-0000-176-C-3C-02	3/8/04	1015	CT	CR	BP	X	X	X	X	X			
.3 3100-0000-176-C-8C-01	3/9/04	0850	CT	CR	BP	X	X	X					
.3 3100-0000-176-C-12C-01	3/9/04	0945	CT	CR	BP	X	X	X					
.3 3100-0000-176-C-18C-01	3/10/04	1421	CT	CR	BP	X	X	X					
.3 3100-0000-176-C-18C-02	3/10/04	1421	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0934 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other _____

7905 9034 4176
Bill of Lading #

Internal Container Temp.: 17 Deg. C

Custody Sealed? Y ☑ N ☐

Custody Seal Intact? Y ☑ N ☐

1) Relinquished By: D. Johnson — Date/Time: 3-25-04 1330	2) Received By: L. Blaw — Date/Time: 3-26-04 0915
3) Relinquished By — Date/Time	4) Received By — Date/Time
5) Relinquished By — Date/Time	6) Received By — Date/Time

Chain of Custody Form

No. 2004-00046

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

119295-RB/log #

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik 109720

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
3100-0000-181-C-1C-01	2/18/04	0930	CT	CR	BP	X	X	X					
3100-0000-181-C-1C-02	2/18/04	0930	CT	CR	BP	X	X	X					
3100-0000-181-C-3C-01	2/18/04	1030	CT	CR	BP	X	X	X					
3100-0000-181-C-4C-01	2/18/04	1100	CT	CR	BP	X	X	X					
3100-0000-181-C-6C-01	2/18/04	1420	CT	CR	BP	X	X	X					
3100-0000-181-C-6C-02	2/18/04	1420	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0934 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7926 0165 9/04
Bill of Lading #

Internal Container Temp.: 17.1 Deg. C
Custody Sealed? Y ☑ N ☐
Custody Seal Intact? Y ☑ N ☐

1) Relinquished By: D. Johnson — Date/Time: 3-25-04/1330	2) Received By: [illegible] — Date/Time: 3-26-04 0915
3) Relinquished By — Date/Time	4) Received By — Date/Time
5) Relinquished By — Date/Time	6) Received By — Date/Time

Chain of Custody Form

No. 2004-00047

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

119295-Relog #

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik 109720

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
3100-0000-182-C-1C-01	2/20/04	1020	CT	CR	BP	X	X	X					
3100-0000-182-C-1C-02	2/20/04	1020	CT	CR	BP	X	X	X					
3100-0000-182-C-4C	2/20/04	1355	CT	CR	BP	X	X	X					
3100-0000-182-C-5C-01	2/20/04	1405	CT	CR	BP	X	X	X					
3100-0000-182-C-9C-01	2/23/04	0850	CT	CR	BP	X	X	X					
3100-0000-182-C-9C-02	2/23/04	0850	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0934 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7926 0165 9104
Bill of Lading #

Internal Container Temp.: 17 Deg. C
Custody Sealed? Y ☑ N ☐
Custody Seal Intact? Y ☑ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
		J. Blair	3-26-04 0915
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Chain of Custody Form

No. 2004-00048

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

119295-R6109 #

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik 109720

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
3100-0000-183-C-1C-01	2/13/04	1035	CT	CR	BP	X	X	X					
3100-0000-183-C-1C-02	2/13/04	1035	CT	CR	BP	X	X	X					
3100-0000-183-C-5C-01	2/18/04	1625	CT	CR	BP	X	X	X					
3100-0000-183-C-6C-01	2/19/04	0810	CT	CR	BP	X	X	X					
3100-0000-183-C-9C-01	2/19/04	0940	CT	CR	BP	X	X	X					
3100-0000-183-C-9C-02	2/19/04	0940	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0934 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7926 0165 9104
Bill of Lading #

Internal Container Temp.: 17.1 Deg. C
Custody Sealed? Y ☒ N ☐
Custody Seal Intact? Y ☒ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
D. Johnson	3-25-04 / 1330	T. Blow	3-26-04 0915
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Chain of Custody Form

No. 2004-00049

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

119295 - Relog #

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik 109720

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size- &Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
3100-0000-184-C-1C-01	2/13/04	1425	CT	CR	BP	X	X	X					
3100-0000-184-C-1C-02	2/13/04	1425	CT	CR	BP	X	X	X					
3100-0000-184-C-3C-01	2/19/04	1500	CT	CR	BP	X	X	X					
3100-0000-184-C-5C-01	2/19/04	1545	CT	CR	BP	X	X	X					
3100-0000-184-C-8C-01	2/20/04	0920	CT	CR	BP	X	X	X					
3100-0000-184-C-8C-02	2/20/04	0920	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0934 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7926 0165 9104
Bill of Lading #

Internal Container Temp.: 17.1 Deg. C
Custody Sealed? Y ☑ N ☐
Custody Seal Intact? Y ☑ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
D. Johnson	3-25-04 1330	TBlow	3-26-04 0915
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

COOLER RECEIPT CHECKLIST

Figure 1. Sample Check-in List

Date/Time Received: 3-26-04 0915

SDG#: MSB# 04-2569

Work Order Number: 119295

Shipping Container ID: FEDEX 7926 0165 9104 7905 9034 4176 Chain of Custody # 00043 - 00049

1. Custody Seals on shipping container intact? Yes [✓] No [ ]
2. Custody Seals dated and signed? Yes [ ] No [✓]
3. Chain-of-Custody record present? Yes [✓] No [ ]
4. Cooler temperature 17.1 °C
5. Vermiculite/packing materials is: Wet [ ] Dry [✓]
6. Number of samples in shipping container: 40
7. Sample holding times exceeded? Yes [✓] No [ ]

8. Samples have:

____tape	____hazard labels
✓ custody seals	____appropriate sample labels

9. Samples are:

✓ in good condition	____leaking
____broken	____have air bubbles

10. Were any anomalies identified in sample receipt? Yes [✓] No [ ]
11. Description of anomalies (include sample numbers): COC # 2004-0047 not relinquished

Sample Custodian/Laboratory: T. Bn Date: 3-26-04

Telephoned to:_____ On_____ By_____

APPENDIX 1

Radioactive Shipment Inventory Sheet

Received By: TYRONE BROWN Date Received: 7-26-04

Number of Samples in Shipment: 40, Total Shipment Volume _____ ml/gr

Sample Data Attached (Circle One) YES NO

Rad Tests Pending (Circle One) YES NO

License Category	Isotope	uCi	Remarks
H-3	Tritium		
Z# 2-83			
Z# 84-98			
Z# 99-100			
SNM	U-233		
SNM	U-235		
SNM -Plutonium			

Sample Information:

Client:	Connecticut Yankee	
All Applicable Lab Work Order #'s:		
	Package Exterior	Samples
Maximum Surface Reading (mR/hr): (beta window open)	OK	< 0.01 mR/hr
Maximum Removable Alpha Contamination (pCi/100cm^2): 50cpm>bkg = 50 pCi/100cm^2		ND
Maximum Removable Beta Contamination (pCi/100cm^2): 100cpm>bkg=450pCi/100cm^2	OK	> 50 CPM

License entry completed: _____ Date: _____

SAMPLE RECEIPT & REVIEW FORM

GENERAL ENGINEERING LABORATORIES, LLC

PM use only

Client: Conn Yankee	SDG/ARCOC/Work Order:
Date Received: 4-28-07	PM(A) Review (ensure non-conforming items are resolved prior to signing):
Received By: MK	

	Sample Receipt Criteria	Conforming	NA	Non-Conforming	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: seals broken damaged container leaking container other (describe)
2	Samples requiring cold preservation within (4 +/- 2 C)? Record preservation method.		✓		ice bags blue ice dry ice none other(describe) 18°
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: seals broken damaged container leaking container other (describe)
5	Samples requiring chemical preservation at proper pH?		✓		Sample ID's, containers affected and observed pH:
6	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
7	Samples received within holding time?	✓			Id's and tests affected:
8	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
10	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
11	COC form is properly signed in relinquished/received sections?	✓			
12	Air Bill & Tracking #'s	FED EX # 7912 2204 3956			

Radiological Information	Non-RAD	RAD	RAD+	RSO RAD Receipt
What is the radiological classification of the samples?				Comments:
Radioactivity Screening Results (maximum observed CPM)	CPM			If > x2 area background is observed on a non-radioactive sample, contact the RSO to investigate.

Figure 1. Sample Check-in List

Date/Time Received: 5-19-04 9:00

SDG#: MSR 04-1483

Work Order Number:

Shipping Container ID: 8418 2803 8309 Chain of Custody # 2004-00078 2004-00077

1. Custody Seals on shipping container intact? Yes [ ] No [✓]
2. Custody Seals dated and signed? Yes [ ] No [✓]
3. Chain-of-Custody record present? Yes [✓] No [ ]
4. Cooler temperature 23.0°
5. Vermiculite/packing materials is: Wet [ ] Dry [ ]
6. Number of samples in shipping container: 15
7. Sample holding times exceeded? Yes [ ] No [ ]

8. Samples have:

✓ tape ____ hazard labels

____ custody seals ____ appropriate sample labels

9. Samples are:

✓ in good condition ____ leaking

____ broken ____ have air bubbles

10. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
11. Description of anomalies (include sample numbers):

Sample Custodian/Laboratory: [signature] Date: 5-19-04

Telephoned to: ____ On ____ By ____

SAMPLE RECEIPT & REVIEW FORM

LABORATORIES, LLC

PM use only

Client:	SDG/ARCOC/Work Order:
Date Received:	PM(A) Review (ensure non-conforming items are resolved prior to signing):
Received By:	

	Sample Receipt Criteria	Conforming	NA	Non-Conforming	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?				Circle Applicable: seals broken damaged container leaking container other (describe)
2	Samples requiring cold preservation within (4+/- 2 C)? Record preservation method.				ice bags blue ice dry ice none other(describe)
3	Chain of custody documents included with shipment?				
4	Sample containers intact and sealed?				Circle Applicable: seals broken damaged container leaking container other (describe)
5	Samples requiring chemical preservation at proper pH?				Sample ID's, containers affected and observed pH:
6	VOA vials free of headspace (defined as < 6mm bubble)?				Sample ID's and containers affected:
7	Samples received within holding time?				Id's and tests affected:
8	Sample ID's on COC match ID's on bottles?				Sample ID's and containers affected:
9	Date & time on COC match date & time on bottles?				Sample ID's affected:
10	Number of containers received match number indicated on COC?				Sample ID's affected:
11	COC form is properly signed in relinquished/received sections?				
12	Air Bill & Tracking #'s				

Radiological Information	Non-RAD	RAD	RADI	RSO RAD Receipt #
What is the radiological classification of the samples?		✓		Comments: [illegible]
Radioactivity Screening Results (maximum observed CPM)	[illegible]			*If > x2 area background is observed on a non-radioactive sample, contact the RSO to investigate.

RADIOLOGICAL ANALYSIS

Radiochemistry Case Narrative
Connecticut Yankee Atomic Power Co. (YANK)
SDG MSR#04-2569

Method/Analysis Information

Product:	**Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)**
Analytical Method:	DOE EML HASL-300, Tc-02-RC Modified
Analytical Batch Number:	358846

Sample ID	Client ID
119295001	3100-0000-175-C-1C-01
119295002	3100-0000-175-C-1C-02
119295003	3100-0000-186-C-1C-02
119295004	3100-0000-186-C-1C-03
119295005	3100-0000-185-C-1C-02
119295006	3100-0000-185-C-1C-03
119295007	3100-0000-176-C-1C-01
119295008	3100-0000-176-C-1C-02
119295009	3100-0000-181-C-1C-01
119295010	3100-0000-181-C-1C-02
119295011	3100-0000-182-C-1C-01
119295012	3100-0000-182-C-1C-02
119295013	3100-0000-183-C-1C-01
119295014	3100-0000-183-C-1C-02
119295015	3100-0000-184-C-1C-01
119295016	3100-0000-184-C-1C-02
1200686355	Method Blank (MB)
1200686358	Laboratory Control Sample (LCS)
1200686356	119295005(3100-0000-185-C-1C-02) Sample Duplicate (DUP)
1200686357	119295005(3100-0000-185-C-1C-02) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-005 REV# 11.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 119295005 (3100-0000-185-C-1C-02).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Samples 119295008 (3100-0000-176-C-1C-02), 119295009 (3100-0000-181-C-1C-01), and 119295013 (3100-0000-183-C-1C-01) were recounted due to the quench number being outside the calibration range.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint C14, Solid-HTD2,ALL2 (CT)**
Analytical Method:	EPA EERF C-01 Modified
Analytical Batch Number:	358838

Sample ID	Client ID
119295001	3100-0000-175-C-1C-01
119295002	3100-0000-175-C-1C-02
119295003	3100-0000-186-C-1C-02
119295004	3100-0000-186-C-1C-03
119295005	3100-0000-185-C-1C-02
119295006	3100-0000-185-C-1C-03
119295007	3100-0000-176-C-1C-01
119295008	3100-0000-176-C-1C-02
119295009	3100-0000-181-C-1C-01
119295010	3100-0000-181-C-1C-02
119295011	3100-0000-182-C-1C-01
119295012	3100-0000-182-C-1C-02
119295013	3100-0000-183-C-1C-01
119295014	3100-0000-183-C-1C-02
119295015	3100-0000-184-C-1C-01
119295016	3100-0000-184-C-1C-02
1200686337	Method Blank (MB)
1200686340	Laboratory Control Sample (LCS)
1200686338	119295003(3100-0000-186-C-1C-02) Sample Duplicate (DUP)
1200686339	119295003(3100-0000-186-C-1C-02) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-003 REV# 7.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 119295003 (3100-0000-186-C-1C-02).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Additional Comments
The Carbon peak in the spectra confirms the significant amount of activity in the samples. 119295001 (3100-0000-175-C-1C-01) and 119295007 (3100-0000-176-C-1C-01).

Qualifier information
Manual qualifiers were not required.

Certification Statement
Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation:
GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.
The following data validator verified the information presented in this case narrative:

Reviewer: 8/30/2004

SAMPLE DATA SUMMARY

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-175-C-1C-01	Project:	YANK00204
Sample ID:	119295001	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	25-MAR-04		
Receive Date:	27-APR-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14		720	+/-14.1	0.932	+/-18.0	2.06	pCi/g		PD	08/24/04	0926	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.455	+/-0.368	0.322	+/-0.369	0.662	pCi/g		DAJ1	08/25/04	0543	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,Al	76	

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

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

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-175-C-1C-01
Sample ID: 119295001

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The above sample is reported on an "as received" basis.

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

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Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-175-C-1C-02	Project:	YANK00204
Sample ID:	119295002	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	25-MAR-04		
Receive Date:	27-APR-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	0.402	+/-0.315	0.253	+/-0.315	0.520	pCi/g		PD	08/24/04	0958	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.478	+/-0.375	0.329	+/-0.376	0.675	pCi/g		DAJ1	08/25/04	0615	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,AI	75	

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

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
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Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-175-C-1C-02
Sample ID: 119295002

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

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Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-186-C-1C-02	Project:	YANK00204
Sample ID:	119295003	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	29-APR-04		
Receive Date:	19-MAY-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	-0.0693	+/-0.328	0.278	+/-0.328	0.572	pCi/g		PD	08/24/04	1031	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.256	+/-0.339	0.291	+/-0.339	0.599	pCi/g		DAJ1	08/25/04	0647	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,AI	80	

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

B Target analyte was detected in the sample as well as the associated blank.
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
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362 Injun Hollow Road
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Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-186-C-1C-02
Sample ID: 119295003

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-186-C-1C-03	Project:	YANK00204
Sample ID:	119295004	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	29-APR-04		
Receive Date:	19-MAY-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	0.0283	+/-0.313	0.262	+/-0.313	0.539	pCi/g		PD	08/24/04	1103	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.374	+/-0.433	0.374	+/-0.433	0.767	pCi/g		DAJ1	08/25/04	0719	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,Al	64	

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

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
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Report Date: August 27, 2004

Client Sample ID: 3100-0000-186-C-1C-03
Sample ID: 119295004

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-185-C-1C-02	Project:	YANK00204
Sample ID:	119295005	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	03-MAY-04		
Receive Date:	19-MAY-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	0.186	+/-0.298	0.244	+/-0.298	0.503	pCi/g		PD	08/24/04	1135	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.547	+/-0.406	0.356	+/-0.406	0.732	pCi/g		DAJ1	08/25/04	0752	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,AI	73	

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

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-185-C-1C-02
Sample ID: 119295005

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

Reviewed by 8/27/2004

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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-185-C-1C-03	Project:	YANK00204
Sample ID:	119295006	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	03-MAY-04		
Receive Date:	19-MAY-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	0.0767	+/-0.297	0.247	+/-0.297	0.509	pCi/g		PD	08/24/04	1208	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.446	+/-0.384	0.335	+/-0.384	0.687	pCi/g		DAJ1	08/25/04	0824	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,AI	75	

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

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
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Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-185-C-1C-03
Sample ID: 119295006

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-176-C-1C-01	Project:	YANK00204
Sample ID:	119295007	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	08-MAR-04		
Receive Date:	26-MAR-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14		350	+/-6.89	0.607	+/-8.81	1.31	pCi/g		PD	08/24/04	1214	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.436	+/-0.353	0.309	+/-0.353	0.634	pCi/g		DAJ1	08/25/04	0856	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,AI	83	

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

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
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Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-176-C-1C-01
Sample ID: 119295007

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

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Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-176-C-1C-02	Project:	YANK00204
Sample ID:	119295008	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	08-MAR-04		
Receive Date:	26-MAR-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	0.152	+/-0.293	0.242	+/-0.293	0.497	pCi/g		PD	08/24/04	1246	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.454	+/-0.353	0.309	+/-0.353	0.634	pCi/g		DAJ1	08/26/04	0418	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,AI	80	

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

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
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Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-176-C-1C-02
Sample ID: 119295008

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-181-C-1C-01	Project:	YANK00204
Sample ID:	119295009	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	18-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	-0.0285	+/-0.295	0.248	+/-0.295	0.512	pCi/g		PD	08/24/04	1319	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.234	+/-0.362	0.310	+/-0.362	0.638	pCi/g		DAJ1	08/26/04	0450	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,Al	81	

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

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
The above sample is reported on an "as received" basis.

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-181-C-1C-01
Sample ID: 119295009

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-181-C-1C-02	Project:	YANK00204
Sample ID:	119295010	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	18-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	0.323	+/-0.307	0.248	+/-0.307	0.510	pCi/g		PD	08/24/04	1351	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.293	+/-0.362	0.312	+/-0.362	0.641	pCi/g		DAJ1	08/25/04	1033	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,AI	79	

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

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-181-C-1C-02
Sample ID: 119295010

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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Address : Haddam Neck Plant
362 Injun Hollow Road
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Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-182-C-1C-01	Project:	YANK00204
Sample ID:	119295011	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	20-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	0.0994	+/-0.317	0.263	+/-0.317	0.542	pCi/g		PD	08/24/04	1423	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.35	+/-0.351	0.304	+/-0.351	0.625	pCi/g		DAJ1	08/25/04	1105	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	*Liquid Scint Tc99, Solid-HTD2,AI*	84	

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

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-182-C-1C-01
Sample ID: 119295011

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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Address : Haddam Neck Plant
362 Injun Hollow Road
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Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-182-C-1C-02	Project:	YANK00204
Sample ID:	119295012	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	20-FEB-04		
Receive Date:	26-AUG-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	-0.0839	+/-0.293	0.249	+/-0.293	0.512	pCi/g		PD	08/24/04	1456	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.596	+/-0.333	0.297	+/-0.334	0.609	pCi/g		DAJ1	08/25/04	1137	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,AI	82	

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

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
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Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-182-C-1C-02
Sample ID: 119295012

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-183-C-1C-01	Project:	YANK00204
Sample ID:	119295013	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	13-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	0.159	+/-0.307	0.253	+/-0.307	0.521	pCi/g		PD	08/24/04	1528	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.478	+/-0.413	0.360	+/-0.413	0.739	pCi/g		DAJ1	08/26/04	0522	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,AI	71	

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

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-183-C-1C-01
Sample ID: 119295013

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-183-C-1C-02	Project:	YANK00204
Sample ID:	119295014	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	13-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	-0.0561	+/-0.328	0.277	+/-0.328	0.571	pCi/g		PD	08/24/04	1600	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.45	+/-0.407	0.354	+/-0.407	0.728	pCi/g		DAJ1	08/25/04	1242	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,AI	72	

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

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-183-C-1C-02
Sample ID: 119295014

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

8/27/2004

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-184-C-1C-01	Project:	YANK00204
Sample ID:	119295015	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	13-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	0.206	+/-0.329	0.270	+/-0.329	0.556	pCi/g		PD	08/24/04	1633	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.448	+/-0.398	0.347	+/-0.399	0.713	pCi/g		DAJ1	08/25/04	1314	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,Al	74	

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

B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please sec case narrative, data summary package or contact your project manager for details.
h Sample preparation or preservation holding time exceeded.
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-184-C-1C-01
Sample ID: 119295015

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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Certificate of Analysis

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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID:	3100-0000-184-C-1C-02	Project:	YANK00204
Sample ID:	119295016	Client ID:	YANK001
Matrix:	Misc Solid	Vol. Recv.:	
Collect Date:	13-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Liquid Scintillation Analysis													
Liquid Scint C14, Solid-HTD2,ALL2 (CT)													
Carbon-14	U	0.0676	+/-0.334	0.278	+/-0.334	0.573	pCi/g		PD	08/24/04	1705	358838	1
Liquid Scint Tc99, Solid-HTD2,ALL2 (CT)													
Technetium-99	U	-0.369	+/-0.379	0.328	+/-0.379	0.675	pCi/g		DAJ1	08/25/04	1346	358846	2
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
GL-RAD-A-026	Laboratory sample composite	BSW1	08/25/04	1222	358498

The following Analytical Methods were performed

Method	Description
1	EPA EERF C-01 Modified
2	DOE EML HASL-300, Tc-02-RC Modified
3	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	Liquid Scint Tc99, Solid-HTD2,AI	76	

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

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

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: PO# 002332-Pete Hollenbeck

Report Date: August 27, 2004

Client Sample ID: 3100-0000-184-C-1C-02
Sample ID: 119295016

Project: YANK00204
Client ID: YANK001
Vol. Recv.:

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

8/27/2004

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QUALITY CONTROL DATA

GENERAL ENGINEERING LABORATORIES, LLC

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

QC Summary

Report Date: August 27, 2004

Client : Connecticut Yankee Atomic Power
Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut

Contact: Mr. Pete Hollenbeck

Workorder: 119295

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Liquid Scintillation										
Batch 358838										
QC1200686338 119295003 DUP										
Carbon-14	U	-0.0693	U	0.302	pCi/g	N/A		(0% - 100%)	PD	08/24/04 18:10
	Uncert:	+/-0.328		+/-0.344						
	TPU:	+/-0.328		+/-0.344						
QC1200686340 LCS										
Carbon-14	13.1			14.1	pCi/g		107	(75%-125%)		08/24/04 19:14
	Uncert:			+/-0.620						
	TPU:			+/-0.658						
QC1200686337 MB										
Carbon-14			U	0.221	pCi/g					08/24/04 17:37
	Uncert:			+/-0.295						
	TPU:			+/-0.295						
QC1200686339 119295003 MS										
Carbon-14	13.1 U	-0.0693		13.4	pCi/g		102	(75%-125%)		08/24/04 18:42
	Uncert:	+/-0.328		+/-0.586						
	TPU:	+/-0.328		+/-0.622						
Batch 358846										
QC1200686356 119295005 DUP										
Technetium-99	U	-0.547	U	-0.342	pCi/g	N/A		(0% - 100%)	DAJ1	08/25/04 14:51
	Uncert:	+/-0.406		+/-0.379						
	TPU:	+/-0.406		+/-0.379						
QC1200686358 LCS										
Technetium-99	26.3			27.6	pCi/g		105	(75%-125%)		08/25/04 15:56
	Uncert:			+/-0.883						
	TPU:			+/-1.12						
QC1200686355 MB										
Technetium-99			U	-0.377	pCi/g					08/25/04 14:19
	Uncert:			+/-0.330						
	TPU:			+/-0.331						
QC1200686357 119295005 MS										
Technetium-99	28.9 U	-0.547		29.6	pCi/g		102	(75%-125%)		08/25/04 15:23
	Uncert:	+/-0.406		+/-0.975						
	TPU:	+/-0.406		+/-1.23						

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

- B Target analyte was detected in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration of the target analyte exceeds the instrument calibration range.
- H Analytical holding time exceeded.
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.

QC Summary

Workorder: 119295

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

U	Indicates the target analyte was analyzed for but not detected above the detection limit.
UI	Uncertain identification for gamma spectroscopy.
X	Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
h	Sample preparation or preservation holding time exceeded.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.
** Indicates analyte is a surrogate compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

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

3100-0000-175-C-1C-01	MSR#04-2569	119295001	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	720	14.1	PCI/G	0		24/08/2004	9:26	2.06	PCI/G	0.932	PCI/G	1	0	4.35	G		PCI/G			PR		
3100-0000-175-C-1C-01	MSR#04-2569	119295001	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.455	0.368	PCI/G	0	U	25/08/2004	5:43	0.662	PCI/G	0.322	PCI/G	1	0	4.3	G		PCI/G			PR		
3100-0000-175-C-1C-02	MSR#04-2569	119295002	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	0.402	0.315	PCI/G	0	U	24/08/2004	9:58	0.52	PCI/G	0.253	PCI/G	1	0	4.73	G		PCI/G			PR		
3100-0000-175-C-1C-02	MSR#04-2569	119295002	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.478	0.375	PCI/G	0	U	25/08/2004	6:15	0.675	PCI/G	0.329	PCI/G	1	0	4.25	G		PCI/G			PR		
3100-0000-186-C-1C-02	MSR#04-2569	119295003	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	-0.0693	0.328	PCI/G	0	U	24/08/2004	10:31	0.572	PCI/G	0.278	PCI/G	1	0	4.25	G		PCI/G			PR		
3100-0000-186-C-1C-02	MSR#04-2569	119295003	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.256	0.339	PCI/G	0	U	25/08/2004	6:47	0.599	PCI/G	0.291	PCI/G	1	0	4.47	G		PCI/G			PR		
3100-0000-186-C-1C-03	MSR#04-2569	119295004	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	0.0283	0.313	PCI/G	0	U	24/08/2004	11:03	0.539	PCI/G	0.262	PCI/G	1	0	4.48	G		PCI/G			PR		
3100-0000-186-C-1C-03	MSR#04-2569	119295004	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.374	0.433	PCI/G	0	U	25/08/2004	7:19	0.767	PCI/G	0.374	PCI/G	1	0	4.39	G		PCI/G			PR		
3100-0000-185-C-1C-02	MSR#04-2569	119295005	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	0.186	0.298	PCI/G	0	U	24/08/2004	11:35	0.503	PCI/G	0.244	PCI/G	1	0	4.9	G		PCI/G			PR		
3100-0000-185-C-1C-02	MSR#04-2569	119295005	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.547	0.406	PCI/G	0	U	25/08/2004	7:52	0.732	PCI/G	0.356	PCI/G	1	0	4.05	G		PCI/G			PR		
3100-0000-185-C-1C-03	MSR#04-2569	119295006	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	0.0767	0.297	PCI/G	0	U	24/08/2004	12:08	0.509	PCI/G	0.247	PCI/G	1	0	4.79	G		PCI/G			PR		
3100-0000-185-C-1C-03	MSR#04-2569	119295006	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.446	0.384	PCI/G	0	U	25/08/2004	8:24	0.687	PCI/G	0.335	PCI/G	1	0	4.22	G		PCI/G			PR		
3100-0000-176-C-1C-01	MSR#04-2569	119295007	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	350	6.89	PCI/G	0		24/08/2004	12:14	1.31	PCI/G	0.607	PCI/G	1	0	4.93	G		PCI/G			PR		
3100-0000-176-C-1C-01	MSR#04-2569	119295007	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.436	0.353	PCI/G	0	U	25/08/2004	8:56	0.634	PCI/G	0.309	PCI/G	1	0	4.1	G		PCI/G			PR		
3100-0000-176-C-1C-02	MSR#04-2569	119295008	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	0.152	0.293	PCI/G	0	U	24/08/2004	12:46	0.497	PCI/G	0.242	PCI/G	1	0	4.81	G		PCI/G			PR		
3100-0000-176-C-1C-02	MSR#04-2569	119295008	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.454	0.353	PCI/G	0	U	26/08/2004	4:18	0.634	PCI/G	0.309	PCI/G	1	0	4.25	G		PCI/G			PR		
3100-0000-181-C-1C-01	MSR#04-2569	119295009	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	-0.0285	0.295	PCI/G	0	U	24/08/2004	1:19	0.512	PCI/G	0.248	PCI/G	1	0	4.76	G		PCI/G			PR		
3100-0000-181-C-1C-01	MSR#04-2569	119295009	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.234	0.362	PCI/G	0	U	26/08/2004	4:50	0.638	PCI/G	0.31	PCI/G	1	0	4.16	G		PCI/G			PR		
3100-0000-181-C-1C-02	MSR#04-2569	119295010	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	0.323	0.307	PCI/G	0	U	24/08/2004	1:51	0.51	PCI/G	0.248	PCI/G	1	0	4.86	G		PCI/G			PR		
3100-0000-181-C-1C-02	MSR#04-2569	119295010	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.293	0.362	PCI/G	0	U	25/08/2004	10:33	0.641	PCI/G	0.312	PCI/G	1	0	4.21	G		PCI/G			PR		
3100-0000-182-C-1C-01	MSR#04-2569	119295011	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	0.0994	0.317	PCI/G	0	U	24/08/2004	2:23	0.542	PCI/G	0.263	PCI/G	1	0	4.6	G		PCI/G			PR		
3100-0000-182-C-1C-01	MSR#04-2569	119295011	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.35	0.351	PCI/G	0	U	25/08/2004	11:05	0.625	PCI/G	0.304	PCI/G	1	0	4.08	G		PCI/G			PR		
3100-0000-182-C-1C-02	MSR#04-2569	119295012	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	-0.0839	0.293	PCI/G	0	U	24/08/2004	2:56	0.512	PCI/G	0.249	PCI/G	1	0	4.72	G		PCI/G			PR		
3100-0000-182-C-1C-02	MSR#04-2569	119295012	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.596	0.333	PCI/G	0	U	25/08/2004	11:37	0.609	PCI/G	0.297	PCI/G	1	0	4.3	G		PCI/G			PR		
3100-0000-183-C-1C-01	MSR#04-2569	119295013	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	0.159	0.307	PCI/G	0	U	24/08/2004	3:28	0.521	PCI/G	0.253	PCI/G	1	0	4.56	G		PCI/G			PR		
3100-0000-183-C-1C-01	MSR#04-2569	119295013	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.478	0.413	PCI/G	0	U	26/08/2004	5:22	0.739	PCI/G	0.36	PCI/G	1	0	4.09	G		PCI/G			PR		
3100-0000-183-C-1C-02	MSR#04-2569	119295014	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	-0.0561	0.328	PCI/G	0	U	24/08/2004	4:00	0.571	PCI/G	0.277	PCI/G	1	0	4.25	G		PCI/G			PR		
3100-0000-183-C-1C-02	MSR#04-2569	119295014	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.45	0.407	PCI/G	0	U	25/08/2004	12:42	0.728	PCI/G	0.354	PCI/G	1	0	4.08	G		PCI/G			PR		
3100-0000-184-C-1C-01	MSR#04-2569	119295015	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	0.206	0.329	PCI/G	0	U	24/08/2004	4:33	0.556	PCI/G	0.27	PCI/G	1	0	4.4	G		PCI/G			PR		
3100-0000-184-C-1C-01	MSR#04-2569	119295015	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.448	0.398	PCI/G	0	U	25/08/2004	1:14	0.713	PCI/G	0.347	PCI/G	1	0	4.13	G		PCI/G			PR		
3100-0000-184-C-1C-02	MSR#04-2569	119295016	358838	14762-75-5	Carbon-14	TRG 5	ULSC	LSC	REG	0.0676	0.334	PCI/G	0	U	24/08/2004	5:05	0.573	PCI/G	0.278	PCI/G	1	0	4.28	G		PCI/G			PR		
3100-0000-184-C-1C-02	MSR#04-2569	119295016	358846	14133-76-7	Technetium-99	TRG 46	UTC02RCM	TC02RCM	REG	-0.369	0.379	PCI/G	0	U	25/08/2004	1:46	0.675	PCI/G	0.328	PCI/G	1	0	4.19	G		PCI/G			PR		
	MSR#04-2569	1200686337	358838	14762-75-5	Carbon-14	TRG	U	LSC	LB1	0.221	0.295	PCI/G	0	U	24/08/2004	5:37	0.496	PCI/G	0.241	PCI/G	1	0	5	G		PCI/G			PR		
3100-0000-186-C-1C-02	MSR#04-2569	1200686338	358838	14762-75-5	Carbon-14	TRG	U	LSC	LR1	0.302	0.344	PCI/G	0	U	24/08/2004	6:10	0.576	PCI/G	0.28	PCI/G	1	0	4.23	G		PCI/G	-0.0		693	PR	
3100-0000-186-C-1C-02	MSR#04-2569	1200686339	358838	14762-75-5	Carbon-14	TRG	U	LSC	MS1	13.4	0.586	PCI/G	0		24/08/2004	6:42	0.476	PCI/G	0.231	PCI/G	1	0	5	G	13	.1	PCI/G	13.0	PR		
	MSR#04-2569	1200686340	358838	14762-75-5	Carbon-14	TRG	U	LSC	BS1	14.1	0.62	PCI/G	0		24/08/2004	7:14	0.505	PCI/G	0.245	PCI/G	1	0	5	G	13	.1	PCI/G		PR		
	MSR#04-2569	1200686355	358846	14133-76-7	Technetium-99	TRG	U	TC02RCM	LB1	-0.377	0.33	PCI/G	0	U	25/08/2004	2:19	0.592	PCI/G	0.288	PCI/G	1	0	4.47	G		PCI/G			PR		
3100-0000-185-C-1C-02	MSR#04-2569	1200686356	358846	14133-76-7	Technetium-99	TRG	U	TC02RCM	LR1	-0.342	0.379	PCI/G	0	U	25/08/2004	2:51	0.673	PCI/G	0.328	PCI/G	1	0	4.4	G		PCI/G	-0.5		47	PR	
3100-0000-185-C-1C-02	MSR#04-2569	1200686357	358846	14133-76-7	Technetium-99	TRG	U	TC02RCM	MS1	29.6	0.975	PCI/G	0		25/08/2004	3:23	0.696	PCI/G	0.339	PCI/G	1	0	4.07	G	28	.9	PCI/G	28.4	PR		
	MSR#04-2569	1200686358	358846	14133-76-7	Technetium-99	TRG	U	TC02RCM	BS1	27.6	0.883	PCI/G	0		25/08/2004	3:56	0.617	PCI/G	0.3	PCI/G	1	0	4.47	G	26	.3	PCI/G		PR		

GENERAL ENGINEERING LABORATORIES, LLC
a Member of THE GEL GROUP, INC.
Meeting Today's Needs with a Vision for Tomorrow

April 08, 2004

Mr. Pete Hollenbeck
Connecticut Yankee Atomic Power
Haddam Neck Plant 362 Injun Hollow Road
East Hampton, Connecticut 06424

RE: Concrete Cores PO# 002337
Work Order: 109720
SDG: 04-0934 BCY-SSWP-04-01-002 Rev 1
SML, 176, 177, 178, 180, 181, 182

Dear Mr. Hollenbeck:

General Engineering Laboratories, LLC (GEL) appreciates the opportunity to provide the following analytical results for the sample(s) we received on March 26, 2004. Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time.

This data report has been prepared and reviewed in accordance with GEL's standard operating procedures. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4475.
Sincerely,

Sarah Kozlik
Project Manager

Purchase Order: 002337
Chain of Custody: 2004-00043
Enclosures

P.O. Box 30712 • Charleston, SC 29417 • 2040 Savage Road (29407)
Phone (843) 556-8171 • Fax (843) 766-1178 • www.gel.com

CONNECTICUT YANKEE
Project: Concrete Cores
PO# 002337
Work Order: 109720
SDG: 04-0934

109720001	3100-0000-176-C-1C-01	109720021	3100-0000-181-C-6C-01
109720002	3100-0000-176-C-1C-02	109720022	3100-0000-181-C-6C-02
109720003	3100-0000-177-C-1C-01	109720023	3100-0000-182-C-1C-01
109720004	3100-0000-177-C-1C-02	109720024	3100-0000-182-C-1C-02
109720005	3100-0000-178-C-1C-01	109720025	3100-0000-182-C-4C
109720006	3100-0000-178-C-1C-02	109720026	3100-0000-182-C-5C-01
109720007	3100-0000-180-C-1C-01	109720027	3100-0000-182-C-9C-01
109720008	3100-0000-180-C-1C-02	109720028	3100-0000-182-C-9C-02
109720009	3100-0000-176-C-3C-01	109720029	3100-0000-183-C-1C-01
109720010	3100-0000-176-C-3C-02	109720030	3100-0000-183-C-1C-02
109720011	3100-0000-176-C-8C-01	109720031	3100-0000-183-C-5C-01
109720012	3100-0000-176-C-12C-01	109720032	3100-0000-183-C-6C-01
109720013	3100-0000-176-C-18C-01	109720033	3100-0000-183-C-9C-01
109720014	3100-0000-176-C-18C-02	109720034	3100-0000-183-C-9C-02
109720015	3100-0000-177-C-21C-01	109720035	3100-0000-184-C-1C-01
109720016	3100-0000-177-C-21C-02	109720036	3100-0000-184-C-1C-02
109720017	3100-0000-181-C-1C-01	109720037	3100-0000-184-C-3C-01
109720018	3100-0000-181-C-1C-02	109720038	3100-0000-184-C-5C-01
109720019	3100-0000-181-C-3C-01	109720039	3100-0000-184-C-8C-01
109720020	3100-0000-181-C-4C-01	109720040	3100-0000-184-C-8C-02

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CASE NARRATIVE

CASE NARRATIVE
For
CONNECTICUT YANKEE
Project: Concrete Cores
PO# 002337
Work Order: 109720
SDG: 04-0934

April 8, 2004

Laboratory Identification:
General Engineering Laboratories, LLC

Mailing Address:
P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:
2040 Savage Road
Charleston, South Carolina 29407

Telephone Number:
(843) 556-8171

Summary:

Sample receipt

The samples for the Concrete Cores Project for work order 109720 arrived at General Engineering Laboratories, LLC, (GEL) in Charleston, South Carolina March 26, 2004 for environmental analysis. All sample containers arrived without any visible signs of tampering or breakage. The chain of custody contained the proper documentation and signatures.

The laboratory received the following samples:

3100-0000-176-C-1C-01	3100-0000-176-C-18C-01
3100-0000-176-C-1C-02	3100-0000-176-C-18C-02
3100-0000-177-C-1C-01	3100-0000-177-C-21C-01
3100-0000-177-C-1C-02	3100-0000-177-C-21C-02
3100-0000-178-C-1C-01	3100-0000-181-C-1C-01
3100-0000-178-C-1C-02	3100-0000-181-C-1C-02
3100-0000-180-C-1C-01	3100-0000-181-C-3C-01
3100-0000-180-C-1C-02	3100-0000-181-C-4C-01
3100-0000-176-C-3C-01	3100-0000-181-C-6C-01
3100-0000-176-C-3C-02	3100-0000-181-C-6C-02
3100-0000-176-C-8C-01	3100-0000-182-C-1C-01
3100-0000-176-C-12C-01	3100-0000-182-C-1C-02

3100-0000-182-C-4C	3100-0000-183-C-9C-01
3100-0000-182-C-5C-01	3100-0000-183-C-9C-02
3100-0000-182-C-9C-01	3100-0000-184-C-1C-01
3100-0000-182-C-9C-02	3100-0000-184-C-1C-02
3100-0000-183-C-1C-01	3100-0000-184-C-3C-01
3100-0000-183-C-1C-02	3100-0000-184-C-5C-01
3100-0000-183-C-5C-01	3100-0000-184-C-8C-01
3100-0000-183-C-6C-01	3100-0000-184-C-8C-02

Items of Note:

There are no items to note.

Case Narrative:

Sample analyses were conducted using methodology as outlined in General Engineering Laboratories (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are listed below by analytical parameter.

Analytical Request:

All forty concrete samples were analyzed for Gamma Spec. Thirty-two of the forty were analyzed for Sr-90 and H-3. Two of the samples were also analyzed for C-14 and TRU.

Internal Chain of Custody:

Custody was maintained for all of these samples.

Data Package:

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Laboratory Certifications, and Radiochemistry.

I certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

Sarah Kozlik
Project Manager

CHAIN OF CUSTODY

Chain of Custody Form

No. 2004-00043

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik 10972070

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

	Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
01	3100-0000-176-C-1C-01	3/8/04	0850	CT	CR	BP	X							
02	3100-0000-176-C-1C-02	3/8/04	0850	CT	CR	BP	X							
09	3100-0000-176-C-3C-01	3/8/04	1015	CT	CR	BP	X	X	X	X	X			
10	3100-0000-176-C-3C-02	3/8/04	1015	CT	CR	BP	X	X	X	X	X			
.3	3100-0000-176-C-8C-01	3/9/04	0850	CT	CR	BP	X	X	X					
.3	3100-0000-176-C-12C-01	3/9/04	0945	CT	CR	BP	X	X	X					
.3	3100-0000-176-C-18C-01	3/10/04	1421	CT	CR	BP	X	X	X					
.3	3100-0000-176-C-18C-02	3/10/04	1421	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0934 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7905 9034 4176
Bill of Lading #

Internal Container Temp.: 17 Deg. C

Custody Sealed? Y ☑ N ☐

Custody Seal Intact? Y ☑ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
D. Johnson	3-25-04 1330	[illegible]	3-26-04 0815
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2004-00044

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
3100-0000-177-C-1C-01	2/12/04	1330	CT	CR	BP	X							
3100-0000-177-C-1C-02	2/12/04	1330	CT	CR	BP	X							
3100-0000-177-C-21C-01	3/1/04	1225	CT	CR	BP	X	X	X					
3100-0000-177-C-21C-02	3/1/04	1225	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0934 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7905 9034 4176
Bill of Lading #

Internal Container Temp. 17.1 Deg. C
Custody Sealed? Y ☑ N ☐
Custody Seal Intact? Y ☑ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
D. Johnson	3-25-04 1330	T. Byrne	3-26-04 0915
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2004-00045

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:
109720%

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
05 3100-0000-178-C-1C-01	3/3/04	1315	CT	CR	BP	X							
06 3100-0000-178-C-1C-02	3/3/04	1315	CT	CR	BP	X							
07 3100-0000-180-C-1C-01	3/1/04	1510	CT	CR	BP	X							
08 3100-0000-180-C-1C-02	3/1/04	1510	CT	CR	BP	X							

NOTES: PO #: 2337 MSR #: 04-0934 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
17905 9034 4176
Bill of Lading #

Internal Container Temp.: ____ Deg. C
Custody Sealed? Y ☐ N ☐
Custody Seal Intact? Y ☐ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
D. Johnson	3-25-04 1330	T. Blair	3-26-04 2915
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2004-00046

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
3100-0000-181-C-1C-01	2/18/04	0930	CT	CR	BP	X	X	X					
3100-0000-181-C-1C-02	2/18/04	0930	CT	CR	BP	X	X	X					
3100-0000-181-C-3C-01	2/18/04	1030	CT	CR	BP	X	X	X					
3100-0000-181-C-4C-01	2/18/04	1100	CT	CR	BP	X	X	X					
3100-0000-181-C-6C-01	2/18/04	1420	CT	CR	BP	X	X	X					
3100-0000-181-C-6C-02	2/18/04	1420	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0934 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7926 0165 9/04
Bill of Lading #

Internal Container Temp.: 17.1 Deg. C
Custody Sealed? Y ☐ N ☐
Custody Seal Intact? Y ☐ N ☐

1) Relinquished By: D. Johnson — Date/Time: 3-25-04/1330	2) Received By: [illegible] — Date/Time: 3-26-04 0915
3) Relinquished By — Date/Time	4) Received By — Date/Time
5) Relinquished By — Date/Time	6) Received By — Date/Time

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2004-00047

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
3100-0000-182-C-1C-01	2/20/04	1020	CT	CR	BP	X	X	X					
3100-0000-182-C-1C-02	2/20/04	1020	CT	CR	BP	X	X	X					
3100-0000-182-C-4C	2/20/04	1355	CT	CR	BP	X	X	X					
3100-0000-182-C-5C-01	2/20/04	1405	CT	CR	BP	X	X	X					
3100-0000-182-C-9C-01	2/23/04	0850	CT	CR	BP	X	X	X					
3100-0000-182-C-9C-02	2/23/04	0850	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0934 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Analyses Requested

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7926 0165 9104
Bill of Lading #

Internal Container Temp.: 17.6 Deg. C
Custody Sealed? Y ☑ N ☐
Custody Seal Intact? Y ☑ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
		T. Bl[illegible]	3-26-04 0915
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2004-00048

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
3100-0000-183-C-1C-01	2/13/04	1035	CT	CR	BP	X	X	X					
3100-0000-183-C-1C-02	2/13/04	1035	CT	CR	BP	X	X	X					
3100-0000-183-C-5C-01	2/18/04	1625	CT	CR	BP	X	X	X					
3100-0000-183-C-6C-01	2/19/04	0810	CT	CR	BP	X	X	X					
3100-0000-183-C-9C-01	2/19/04	0940	CT	CR	BP	X	X	X					
3100-0000-183-C-9C-02	2/19/04	0940	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0934 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other _____

7926 0165 9104
Bill of Lading #

Internal Container Temp.: 17 Deg. C
Custody Sealed? Y ☒ N ☐
Custody Seal Intact? Y ☒ N ☐

1) Relinquished By: D. Johnson	Date/Time: 3-25-04 / 1330
2) Received By: T. Blow	Date/Time: 3-26-04 0915
3) Relinquished By	Date/Time
4) Received By	Date/Time
5) Relinquished By	Date/Time
6) Received By	Date/Time

Chain of Custody Form

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

No. 2004-00049

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
3100-0000-184-C-1C-01	2/13/04	1425	CT	CR	BP	X	X	X					
3100-0000-184-C-1C-02	2/13/04	1425	CT	CR	BP	X	X	X					
3100-0000-184-C-3C-01	2/19/04	1500	CT	CR	BP	X	X	X					
3100-0000-184-C-5C-01	2/19/04	1545	CT	CR	BP	X	X	X					
3100-0000-184-C-8C-01	2/20/04	0920	CT	CR	BP	X	X	X					
3100-0000-184-C-8C-02	2/20/04	0920	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0934 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other ____
7926 0165 9104
Bill of Lading #

Internal Container Temp.: 11.1 Deg. C
Custody Sealed? Y ☑ N ☐
Custody Seal Intact? Y ☑ N ☐

1) Relinquished By	Date/Time	2) Received By	Date/Time
D. Johnson	3-25-04 1330	TBlow	3-26-04 0915
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Chain of Custody Form

No. 2004-00047

Connecticut Yankee Atomic Power Company
362 Injun Hollow Road, East Hampton, CT 06424
860-267-2556

Project Name: Haddam Neck Decommissioning

Contact Name & Phone:
Pete Hollenbeck 860-267-3923

Analytical Lab (Name, City, State):
General Engineering Laboratories
2040 Savage Road
Charleston, SC 29407
Sarah Kozlik

Priority: ☐ 30 D. ☒ 14 D. ☐ 7 D.
Other:

Lab Use Only
Comments:

Sample Designation	Date	Time	Media Code	Sample Type Code	Container Size-&Type Code	CHGAM	H-3	SR-90	C-14	CHTRU		Comment, Preservation	Lab Sample ID
3100-0000-182-C-1C-01	2/20/04	1020	CT	CR	BP	X	X	X					
3100-0000-182-C-1C-02	2/20/04	1020	CT	CR	BP	X	X	X					
3100-0000-182-C-4C	2/20/04	1355	CT	CR	BP	X	X	X					
3100-0000-182-C-5C-01	2/20/04	1405	CT	CR	BP	X	X	X					
3100-0000-182-C-9C-01	2/23/04	0850	CT	CR	BP	X	X	X					
3100-0000-182-C-9C-02	2/23/04	0850	CT	CR	BP	X	X	X					

NOTES: PO #: 2337 MSR #: 04-0934 ☐ LTP QA ☐ Radwaste QA ☒ Non QA

Relinquished by section completed on 3/29/04 - 3/29/04

1) Relinquished By	Date/Time	2) Received By	Date/Time
D. Johnson	3-23-04 / 1330	J. Blair	3-26-04 0915
3) Relinquished By	Date/Time	4) Received By	Date/Time
5) Relinquished By	Date/Time	6) Received By	Date/Time

Samples Shipped Via:
☒ Fed Ex
☐ UPS
☐ Hand
☐ Other _____

7926 0165 9104
Bill of Lading #

Internal Container Temp. 17 Deg. C

Custody Sealed? Y ☑ N ☐

Custody Seal Intact? Y ☑ N ☐

COOLER RECEIPT CHECKLIST

Figure 1. Sample Check-in List

Date/Time Received: 3-26-04 0915

SDG#:

Work Order Number:

Shipping Container ID: FEDEX 7926 0165 9164 7905 9034 4176 Chain of Custody # 00043 - 00048

1. Custody Seals on shipping container intact? Yes [✓] No [ ]
2. Custody Seals dated and signed? Yes [ ] No [✓]
3. Chain-of-Custody record present? Yes [✓] No [ ]
4. Cooler temperature 17.1°C
5. Vermiculite/packing materials is: Wet [ ] Dry [✓]
6. Number of samples in shipping container: 40
7. Sample holding times exceeded? Yes [✓] No [ ]

8. Samples have:

____tape	____hazard labels
✓ custody seals	____appropriate sample labels

9. Samples are:

✓ in good condition	____leaking
____broken	____have air bubbles

10. Were any anomalies identified in sample receipt? Yes [✓] No [ ]
11. Description of anomalies (include sample numbers): COC # 2004 - 0047 not relinquished

Sample Custodian/Laboratory: T.BR Date: 3-26-04

Telephoned to:_____ On_____ By_____

APPENDIX 1

Radioactive Shipment Inventory Sheet

Received By: Tyrone Blow Date Received: 3-26-04

Number of Samples in Shipment: 40, Total Shipment Volume _____ ml/gr

Sample Data Attached (Circle One) YES NO

Rad Tests Pending (Circle One) YES NO

License Category	Isotope	uCi	Remarks
H-3	Tritium		
Z# 2-83			
Z# 84-98			
Z# 99-100			
SNM	U-233		
SNM	U-235		
SNM -Plutonium			

Sample Information:

Client:	Connecticut Yankee	
All Applicable Lab Work Order #'s:		
	Package Exterior	Samples
Maximum Surface Reading (mR/hr): (beta window open)	ok	< 0.01 mR/hr
Maximum Removable Alpha Contamination (pCi/100cm^2): **50cpm>bkg = 50 pCi/100cm^2**		NO
Maximum Removable Beta Contamination (pCi/100cm^2): **100cpm>bkg=450pCi/100cm^2**	ok	> 50 cpm

License entry completed: _____ Date: _____

RADIOLOGICAL ANALYSIS

Radiochemistry Case Narrative
Connecticut Yankee Atomic Power Co. (YANK)
SDG 04-0934

Method/Analysis Information

Product:	**Alphaspec Am241, Cm, Solid-TRU2**
Analytical Method:	DOE EML HASL-300, Am-05-RC Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	320681
Prep Batch Number:	320552
Dry Soil Prep GL-RAD-A-021 Batch Number:	320549

Sample ID	Client ID
109720009	3100-0000-176-C-3C-01
109720010	3100-0000-176-C-3C-02
1200595827	Method Blank (MB)
1200595830	Laboratory Control Sample (LCS)
1200595828	109720009(3100-0000-176-C-3C-01) Sample Duplicate (DUP)
1200595829	109720009(3100-0000-176-C-3C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-011 REV# 12.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109720009 (3100-0000-176-C-3C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information

All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Sample 1200595828 (3100-0000-176-C-3C-01) was recounted due to a peak shift.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Alphaspec Pu, Solid-TRU2**
Analytical Method:	DOE EML HASL-300, Pu-11-RC Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	320682
Prep Batch Number:	320552
Dry Soil Prep GL-RAD-A-021 Batch Number:	320549

Sample ID	Client ID
109720009	3100-0000-176-C-3C-01
109720010	3100-0000-176-C-3C-02
1200595835	Method Blank (MB)
1200595838	Laboratory Control Sample (LCS)
1200595836	109720009(3100-0000-176-C-3C-01) Sample Duplicate (DUP)
1200595837	109720009(3100-0000-176-C-3C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-011 REV# 12.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109720009 (3100-0000-176-C-3C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint Pu241, Solid-TRU2**
Analytical Method:	DOE EML HASL-300, Pu-11-RC Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	320686
Prep Batch Number:	320552
Dry Soil Prep GL-RAD-A-021 Batch Number:	320549

Sample ID	Client ID
109720009	3100-0000-176-C-3C-01
109720010	3100-0000-176-C-3C-02
1200595849	Method Blank (MB)
1200595852	Laboratory Control Sample (LCS)
1200595850	109720009(3100-0000-176-C-3C-01) Sample Duplicate (DUP)
1200595851	109720009(3100-0000-176-C-3C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-035 REV# 4.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109720009 (3100-0000-176-C-3C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Gammaspec, Gamma, Solid-GAM2**
Analytical Method:	EML HASL 300, 4.5.2.3
Prep Method:	Dry Soil Prep
Analytical Batch Number:	320976
Prep Batch Number:	320550

Sample ID	Client ID
109720021	3100-0000-181-C-6C-01
109720022	3100-0000-181-C-6C-02
109720023	3100-0000-182-C-1C-01
109720024	3100-0000-182-C-1C-02
109720025	3100-0000-182-C-4C
109720026	3100-0000-182-C-5C-01
109720027	3100-0000-182-C-9C-01
109720028	3100-0000-182-C-9C-02
109720029	3100-0000-183-C-1C-01
109720030	3100-0000-183-C-1C-02
109720031	3100-0000-183-C-5C-01
109720032	3100-0000-183-C-6C-01

109720033	3100-0000-183-C-9C-01
109720034	3100-0000-183-C-9C-02
109720035	3100-0000-184-C-1C-01
109720036	3100-0000-184-C-1C-02
109720037	3100-0000-184-C-3C-01
109720038	3100-0000-184-C-5C-01
109720039	3100-0000-184-C-8C-01
109720040	3100-0000-184-C-8C-02
1200596563	Method Blank (MB)
1200596565	Laboratory Control Sample (LCS)
1200596564	109720021(3100-0000-181-C-6C-01) Sample Duplicate (DUP)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-013 REV# 10.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109720021 (3100-0000-181-C-6C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information

Qualifier	Reason	Analyte	Sample
UI	Data rejected due to low abundance.	Cesium-134	109720024
			109720030
			109720031
			109720032
			109720033
			109720034
			109720038
			109720039
		Niobium-94	109720036
UI	Data rejected due to no valid peak.	Cesium-137	109720022
		Cobalt-60	109720031

Method/Analysis Information

Product:	**Gammaspec, Gamma, Solid-GAM2**
Analytical Method:	EML HASL 300, 4.5.2.3
Prep Method:	Dry Soil Prep
Analytical Batch Number:	320978
Prep Batch Number:	320549

Sample ID	Client ID
109720001	3100-0000-176-C-1C-01
109720002	3100-0000-176-C-1C-02
109720003	3100-0000-177-C-1C-01
109720004	3100-0000-177-C-1C-02
109720005	3100-0000-178-C-1C-01
109720006	3100-0000-178-C-1C-02
109720007	3100-0000-180-C-1C-01
109720008	3100-0000-180-C-1C-02
109720009	3100-0000-176-C-3C-01
109720010	3100-0000-176-C-3C-02
109720011	3100-0000-176-C-8C-01
109720012	3100-0000-176-C-12C-01
109720013	3100-0000-176-C-18C-01
109720014	3100-0000-176-C-18C-02
109720015	3100-0000-177-C-21C-01
109720016	3100-0000-177-C-21C-02
109720017	3100-0000-181-C-1C-01
109720018	3100-0000-181-C-1C-02
109720019	3100-0000-181-C-3C-01
109720020	3100-0000-181-C-4C-01
1200596566	Method Blank (MB)
1200596568	Laboratory Control Sample (LCS)
1200596567	109720001(3100-0000-176-C-1C-01) Sample Duplicate (DUP)

SOP Reference

Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-013 REV# 10.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109720001 (3100-0000-176-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information

Qualifier	Reason	Analyte	Sample
UI	Data rejected due to low abundance.	Actinium-228	109720001
			109720005
			1200596567
		Cesium-134	109720006
			109720008
			109720012
			109720013
			109720014
			109720015
			109720017
		Cobalt-60	109720020
		Potassium-40	1200596566
UI	Data rejected due to no valid peak.	Cesium-134	109720019

		Cobalt-60	109720006
		Thallium-208	1200596566

Method/Analysis Information

Product:	**GFPC, Sr90, solid-HTD2**
Analytical Method:	EPA 905.0 Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	320713
Prep Batch Number:	320552
Dry Soil Prep GL-RAD-A-021 Batch Number:	320549

Sample ID	Client ID
109720009	3100-0000-176-C-3C-01
109720010	3100-0000-176-C-3C-02
109720011	3100-0000-176-C-8C-01
109720012	3100-0000-176-C-12C-01
109720013	3100-0000-176-C-18C-01
109720014	3100-0000-176-C-18C-02
109720015	3100-0000-177-C-21C-01
109720016	3100-0000-177-C-21C-02
109720017	3100-0000-181-C-1C-01
109720018	3100-0000-181-C-1C-02
109720019	3100-0000-181-C-3C-01
109720020	3100-0000-181-C-4C-01
1200595893	Method Blank (MB)
1200595896	Laboratory Control Sample (LCS)
1200595894	109720011(3100-0000-176-C-8C-01) Sample Duplicate (DUP)
1200595895	109720011(3100-0000-176-C-8C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-004 REV# 8.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109720011 (3100-0000-176-C-8C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**GFPC, Sr90, solid-HTD2**
Analytical Method:	EPA 905.0 Modified
Prep Method:	Ash Soil Prep
Dry Soil Prep GL-RAD-A-021 Method:	Dry Soil Prep
Analytical Batch Number:	320928
Prep Batch Number:	320551
Dry Soil Prep GL-RAD-A-021 Batch Number:	320550

Sample ID	Client ID
109720021	3100-0000-181-C-6C-01
109720022	3100-0000-181-C-6C-02
109720023	3100-0000-182-C-1C-01
109720024	3100-0000-182-C-1C-02
109720025	3100-0000-182-C-4C
109720026	3100-0000-182-C-5C-01
109720027	3100-0000-182-C-9C-01
109720028	3100-0000-182-C-9C-02
109720029	3100-0000-183-C-1C-01
109720030	3100-0000-183-C-1C-02
109720031	3100-0000-183-C-5C-01
109720032	3100-0000-183-C-6C-01
109720033	3100-0000-183-C-9C-01
109720034	3100-0000-183-C-9C-02
109720035	3100-0000-184-C-1C-01
109720036	3100-0000-184-C-1C-02
109720037	3100-0000-184-C-3C-01

109720038	3100-0000-184-C-5C-01
109720039	3100-0000-184-C-8C-01
109720040	3100-0000-184-C-8C-02
1200596400	Method Blank (MB)
1200596403	Laboratory Control Sample (LCS)
1200596401	109720021(3100-0000-181-C-6C-01) Sample Duplicate (DUP)
1200596402	109720021(3100-0000-181-C-6C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-004 REV# 8.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109720021 (3100-0000-181-C-6C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Samples 109720022 (3100-0000-181-C-6C-02), 109720023 (3100-0000-182-C-1C-01), 109720024 (3100-0000-182-C-1C-02) and 109720025 (3100-0000-182-C-4C) were recounted due to high MDAs.
Samples 109720028 (3100-0000-182-C-9C-02) and 1200596401 (3100-0000-181-C-6C-01) were recounted due to a false positive.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced

SOP or contractual documents. An NCR was not generated for this SDG.

Additional Comments
Sample 109720034 (3100-0000-183-C-9C-02) was counted five days after the separation date to verify the sample activity.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**LSC, Tritium Dist, Solid-HTD2**
Analytical Method:	EPA 906.0 Modified
Analytical Batch Number:	320767

Sample ID	Client ID
109720029	3100-0000-183-C-1C-01
109720030	3100-0000-183-C-1C-02
109720031	3100-0000-183-C-5C-01
109720032	3100-0000-183-C-6C-01
109720033	3100-0000-183-C-9C-01
109720034	3100-0000-183-C-9C-02
109720035	3100-0000-184-C-1C-01
109720036	3100-0000-184-C-1C-02
109720037	3100-0000-184-C-3C-01
109720038	3100-0000-184-C-5C-01
109720039	3100-0000-184-C-8C-01
109720040	3100-0000-184-C-8C-02
1200596051	Method Blank (MB)
1200596054	Laboratory Control Sample (LCS)
1200596052	109720031(3100-0000-183-C-5C-01) Sample Duplicate (DUP)
1200596053	109720031(3100-0000-183-C-5C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-002 REV# 9.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC

The following sample was used for QC: 109720031 (3100-0000-183-C-5C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Sample 1200596053 (3100-0000-183-C-5C-01) was recounted due to low/high recovery.
Sample 1200596052 (3100-0000-183-C-5C-01) was recounted due to high relative percent difference/relative error ratio.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**LSC, Tritium Dist, Solid-HTD2**
Analytical Method:	EPA 906.0 Modified
Analytical Batch Number:	322589

Sample ID	Client ID
109720009	3100-0000-176-C-3C-01
109720010	3100-0000-176-C-3C-02
109720011	3100-0000-176-C-8C-01
109720012	3100-0000-176-C-12C-01
109720013	3100-0000-176-C-18C-01
109720014	3100-0000-176-C-18C-02
109720015	3100-0000-177-C-21C-01
109720016	3100-0000-177-C-21C-02
109720017	3100-0000-181-C-1C-01
109720018	3100-0000-181-C-1C-02
109720019	3100-0000-181-C-3C-01
109720020	3100-0000-181-C-4C-01
109720021	3100-0000-181-C-6C-01
109720022	3100-0000-181-C-6C-02
109720023	3100-0000-182-C-1C-01
109720024	3100-0000-182-C-1C-02
109720025	3100-0000-182-C-4C
109720026	3100-0000-182-C-5C-01
109720027	3100-0000-182-C-9C-01
109720028	3100-0000-182-C-9C-02
1200600617	Method Blank (MB)

1200600620	Laboratory Control Sample (LCS)
1200600618	109720017(3100-0000-181-C-1C-01) Sample Duplicate (DUP)
1200600619	109720017(3100-0000-181-C-1C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-002 REV# 9.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109720017 (3100-0000-181-C-1C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
The entire batch was reprepped due to a high relative percent difference and a high matrix spike recovery.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Method/Analysis Information

Product:	**Liquid Scint C14, Solid-HTD2**
Analytical Method:	EPA EERF C-01 Modified
Analytical Batch Number:	321649

Sample ID	Client ID
109720009	3100-0000-176-C-3C-01
109720010	3100-0000-176-C-3C-02
1200598297	Method Blank (MB)
1200598300	Laboratory Control Sample (LCS)
1200598298	109720009(3100-0000-176-C-3C-01) Sample Duplicate (DUP)
1200598299	109720009(3100-0000-176-C-3C-01) Matrix Spike (MS)

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by General Engineering Laboratories, LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-003 REV# 7.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solution(s) for these analyses are NIST traceable and used before the expiration date(s).

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 109720009 (3100-0000-176-C-3C-01).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Preparation Information
All preparation criteria have been met for these analyses.

Sample Re-prep/Re-analysis
Samples were reprepped due to low/high recovery.

Miscellaneous Information:

NCR Documentation
Nonconformance reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. An NCR was not generated for this SDG.

Qualifier information
Manual qualifiers were not required.

Certification Statement
Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation:
GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.
The following data validator verified the information presented in this case narrative:

Reviewer: Alexander Crow 4/8/04

SAMPLE DATA SUMMARY

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-176-C-1C-01	Project:	YANK00204
Sample ID:	109720001	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	08-MAR-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228	U	0.00	+/-0.368	0.160	+/-0.361	0.323	pCi/g		SRB	04/06/04	1411	320978	1
	UI												
Americium-241	U	0.258	+/-0.201	0.135	+/-0.197	0.273	pCi/g						
Bismuth-212	U	0.370	+/-0.375	0.237	+/-0.368	0.480	pCi/g						
Bismuth-214		0.466	+/-0.107	0.058	+/-0.104	0.118	pCi/g						
Cesium-134	U	0.015	+/-0.0519	0.0379	+/-0.0508	0.0768	pCi/g						
Cesium-137		17.0	+/-1.40	0.0316	+/-1.38	0.0641	pCi/g						
Cobalt-60		23.1	+/-1.64	0.022	+/-1.60	0.0453	pCi/g						
Europium-152	U	-0.00983	+/-0.0981	0.0858	+/-0.0962	0.174	pCi/g						
Europium-154	U	0.0557	+/-0.107	0.0694	+/-0.105	0.142	pCi/g						
Europium-155	U	0.0144	+/-0.0933	0.0835	+/-0.0915	0.169	pCi/g						
Lead-212		0.296	+/-0.0833	0.0514	+/-0.0817	0.104	pCi/g						
Lead-214		0.745	+/-0.144	0.0603	+/-0.141	0.122	pCi/g						
Manganese-54	U	0.0147	+/-0.0427	0.0365	+/-0.0418	0.074	pCi/g						
Niobium-94	U	0.00516	+/-0.0316	0.0275	+/-0.031	0.0557	pCi/g						
Potassium-40		7.28	+/-0.762	0.170	+/-0.747	0.354	pCi/g						
Radium-226		0.466	+/-0.107	0.058	+/-0.104	0.118	pCi/g						
Silver-108m	U	0.0108	+/-0.0381	0.0328	+/-0.0374	0.0664	pCi/g						
Thallium-208		0.114	+/-0.0517	0.0306	+/-0.0507	0.0619	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1613	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-1C-01
Sample ID: 109720001

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

< Result is less than amount reported.
> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-1C-02
Sample ID: 109720002
Matrix: Misc Solid
Collect Date: 08-MAR-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.442	+/-0.0969	0.0311	+/-0.0949	0.0656	pCi/g		SRB	04/06/04	1411	320978	1
Americium-241	U	0.0356	+/-0.0346	0.035	+/-0.0339	0.0719	pCi/g						
Bismuth-212		0.340	+/-0.132	0.0537	+/-0.129	0.114	pCi/g						
Bismuth-214		0.536	+/-0.0745	0.0173	+/-0.073	0.036	pCi/g						
Cesium-134	U	0.014	+/-0.0172	0.0107	+/-0.0169	0.0225	pCi/g						
Cesium-137		0.0554	+/-0.0174	0.00847	+/-0.0171	0.0178	pCi/g						
Cobalt-60	U	0.0203	+/-0.018	0.010	+/-0.0176	0.0213	pCi/g						
Europium-152	U	0.0154	+/-0.0284	0.026	+/-0.0278	0.0538	pCi/g						
Europium-154	U	0.000858	+/-0.0316	0.0268	+/-0.031	0.0571	pCi/g						
Europium-155	U	0.028	+/-0.0332	0.0319	+/-0.0325	0.0654	pCi/g						
Lead-212		0.400	+/-0.0441	0.0171	+/-0.0432	0.035	pCi/g						
Lead-214		0.654	+/-0.0728	0.017	+/-0.0714	0.0352	pCi/g						
Manganese-54	U	-0.00544	+/-0.011	0.00911	+/-0.0108	0.0191	pCi/g						
Niobium-94	U	0.00673	+/-0.00904	0.0082	+/-0.00886	0.0172	pCi/g						
Potassium-40		7.46	+/-0.663	0.0814	+/-0.650	0.175	pCi/g						
Radium-226		0.536	+/-0.0745	0.0173	+/-0.073	0.036	pCi/g						
Silver-108m	U	0.00449	+/-0.00862	0.00775	+/-0.00845	0.0162	pCi/g						
Thallium-208		0.114	+/-0.0235	0.00827	+/-0.0231	0.0174	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1613	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-1C-02
Sample ID: 109720002

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

< Result is less than amount reported.
> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-177-C-1C-01
Sample ID: 109720003
Matrix: Misc Solid
Collect Date: 12-FEB-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228	U	0.289	+/-0.227	0.146	+/-0.222	0.299	pCi/g		SRB	04/06/04	1416	320978	1
Americium-241	U	0.0318	+/-0.144	0.120	+/-0.141	0.244	pCi/g						
Bismuth-212	U	0.270	+/-0.261	0.231	+/-0.256	0.475	pCi/g						
Bismuth-214		0.394	+/-0.123	0.0652	+/-0.121	0.133	pCi/g						
Cesium-134		0.0893	+/-0.0648	0.0338	+/-0.0635	0.0695	pCi/g						
Cesium-137		32.5	+/-2.05	0.0331	+/-2.01	0.0678	pCi/g						
Cobalt-60		6.43	+/-0.435	0.0202	+/-0.426	0.043	pCi/g						
Europium-152	U	-0.0592	+/-0.130	0.112	+/-0.128	0.228	pCi/g						
Europium-154	U	0.0224	+/-0.0776	0.0667	+/-0.0761	0.141	pCi/g						
Europium-155	U	0.00232	+/-0.0988	0.088	+/-0.0969	0.178	pCi/g						
Lead-212		0.322	+/-0.0989	0.0615	+/-0.0969	0.124	pCi/g						
Lead-214		0.405	+/-0.149	0.0824	+/-0.146	0.167	pCi/g						
Manganese-54	U	0.00405	+/-0.046	0.0338	+/-0.0451	0.0695	pCi/g						
Niobium-94	U	0.00705	+/-0.0276	0.0239	+/-0.027	0.0492	pCi/g						
Potassium-40		9.53	+/-1.01	0.152	+/-0.988	0.330	pCi/g						
Radium-226		0.394	+/-0.123	0.0652	+/-0.121	0.133	pCi/g						
Silver-108m	U	-0.0282	+/-0.0553	0.0468	+/-0.0542	0.0947	pCi/g						
Thallium-208		0.158	+/-0.0681	0.037	+/-0.0668	0.0756	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1613	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

Notes:
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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-177-C-1C-01 Project: YANK00204
Sample ID: 109720003 Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

< Result is less than amount reported.
> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-177-C-1C-02
Sample ID: 109720004
Matrix: Misc Solid
Collect Date: 12-FEB-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.543	+/-0.142	0.050	+/-0.139	0.108	pCi/g		SRB	04/06/04	1423	320978	1
Americium-241	U	-0.0566	+/-0.0936	0.0641	+/-0.0917	0.132	pCi/g						
Bismuth-212		0.467	+/-0.291	0.100	+/-0.285	0.216	pCi/g						
Bismuth-214		0.504	+/-0.0923	0.0272	+/-0.0905	0.0576	pCi/g						
Cesium-134	U	0.0348	+/-0.0287	0.0213	+/-0.0281	0.0449	pCi/g						
Cesium-137		0.0628	+/-0.0337	0.0151	+/-0.033	0.0321	pCi/g						
Cobalt-60	U	0.0214	+/-0.0217	0.0183	+/-0.0212	0.0396	pCi/g						
Europium-152	U	-0.0462	+/-0.0495	0.0401	+/-0.0485	0.0837	pCi/g						
Europium-154	U	0.00269	+/-0.0484	0.0413	+/-0.0474	0.0909	pCi/g						
Europium-155	U	-0.0164	+/-0.0454	0.0424	+/-0.0445	0.0874	pCi/g						
Lead-212		0.439	+/-0.0621	0.0236	+/-0.0609	0.0489	pCi/g						
Lead-214		0.703	+/-0.0965	0.0265	+/-0.0945	0.0555	pCi/g						
Manganese-54	U	0.0166	+/-0.0163	0.0172	+/-0.016	0.0366	pCi/g						
Niobium-94	U	0.00763	+/-0.0159	0.0141	+/-0.0156	0.0299	pCi/g						
Potassium-40		6.86	+/-0.809	0.137	+/-0.793	0.305	pCi/g						
Radium-226		0.504	+/-0.0923	0.0272	+/-0.0905	0.0576	pCi/g						
Silver-108m	U	-0.00384	+/-0.0162	0.0134	+/-0.0159	0.0281	pCi/g						
Thallium-208		0.153	+/-0.0434	0.0177	+/-0.0425	0.0373	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1613	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

Notes:
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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-177-C-1C-02
Sample ID: 109720004

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

< Result is less than amount reported.
> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Peté Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-178-C-1C-01	Project:	YANK00204
Sample ID:	109720005	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	03-MAR-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228	U UI	0.00	+/-0.301	0.153	+/-0.295	0.315	pCi/g		SRB	04/06/04	1523	320978	1
Americium-241	U	0.0312	+/-0.0542	0.0323	+/-0.0531	0.0659	pCi/g						
Bismuth-212	U	0.380	+/-0.297	0.207	+/-0.291	0.431	pCi/g						
Bismuth-214		0.468	+/-0.118	0.0557	+/-0.116	0.115	pCi/g						
Cesium-134	U	0.0347	+/-0.0501	0.0305	+/-0.0491	0.0635	pCi/g						
Cesium-137		19.7	+/-1.67	0.0296	+/-1.63	0.0612	pCi/g						
Cobalt-60		3.98	+/-0.272	0.0213	+/-0.266	0.0459	pCi/g						
Europium-152	U	0.0371	+/-0.100	0.0887	+/-0.0984	0.181	pCi/g						
Europium-154	U	0.0687	+/-0.0728	0.0668	+/-0.0713	0.143	pCi/g						
Europium-155	U	0.072	+/-0.0657	0.0594	+/-0.0644	0.121	pCi/g						
Lead-212		0.498	+/-0.0857	0.0433	+/-0.084	0.0883	pCi/g						
Lead-214		0.614	+/-0.156	0.0601	+/-0.153	0.123	pCi/g						
Manganese-54	U	-0.000406	+/-0.0335	0.0286	+/-0.0329	0.0596	pCi/g						
Niobium-94	U	-0.0228	+/-0.0254	0.0211	+/-0.0249	0.0441	pCi/g						
Potassium-40		8.59	+/-0.885	0.140	+/-0.867	0.314	pCi/g						
Radium-226		0.468	+/-0.118	0.0557	+/-0.116	0.115	pCi/g						
Silver-108m	U	-0.0182	+/-0.0443	0.0374	+/-0.0434	0.0763	pCi/g						
Thallium-208		0.167	+/-0.0734	0.0301	+/-0.0719	0.0622	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1613	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-178-C-1C-01
Sample ID: 109720005

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

Notes:
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< Result is less than amount reported.
> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-178-C-1C-02	Project:	YANK00204
Sample ID:	109720006	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	03-MAR-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.407	+/-0.126	0.0281	+/-0.124	0.0637	pCi/g		SRB	04/06/04	1600	320978	1
Americium-241	U	-0.0688	+/-0.123	0.0976	+/-0.120	0.202	pCi/g						
Bismuth-212		0.310	+/-0.201	0.105	+/-0.197	0.225	pCi/g						
Bismuth-214		0.406	+/-0.0758	0.0244	+/-0.0743	0.0519	pCi/g						
Cesium-134	U UI	0.00	+/-0.030	0.0174	+/-0.0294	0.0371	pCi/g						
Cesium-137		0.0853	+/-0.0289	0.0119	+/-0.0284	0.0257	pCi/g						
Cobalt-60	U UI	0.00	+/-0.036	0.0136	+/-0.0352	0.0301	pCi/g						
Europium-152	U	0.0302	+/-0.0425	0.0391	+/-0.0417	0.0819	pCi/g						
Europium-154	U	0.00871	+/-0.0496	0.0424	+/-0.0486	0.0928	pCi/g						
Europium-155	U	-0.00699	+/-0.0536	0.0475	+/-0.0525	0.0978	pCi/g						
Lead-212		0.430	+/-0.060	0.0219	+/-0.0588	0.0455	pCi/g						
Lead-214		0.517	+/-0.0758	0.0254	+/-0.0743	0.0534	pCi/g						
Manganese-54	U	0.00584	+/-0.0188	0.0148	+/-0.0184	0.0316	pCi/g						
Niobium-94	U	0.00465	+/-0.0136	0.0117	+/-0.0133	0.0251	pCi/g						
Potassium-40		7.68	+/-0.841	0.124	+/-0.824	0.277	pCi/g						
Radium-226		0.406	+/-0.0758	0.0244	+/-0.0743	0.0519	pCi/g						
Silver-108m	U	0.00656	+/-0.0147	0.0131	+/-0.0144	0.0277	pCi/g						
Thallium-208		0.141	+/-0.0359	0.0139	+/-0.0352	0.0294	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1613	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-178-C-1C-02
Sample ID: 109720006
Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

Notes:
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> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
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UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-180-C-1C-01
Sample ID: 109720007
Matrix: Misc Solid
Collect Date: 01-MAR-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.405	+/-0.111	0.0437	+/-0.109	0.0898	pCi/g		SRB	04/06/04	2050	320978	1
Americium-241	U	-0.0333	+/-0.0777	0.0654	+/-0.0761	0.133	pCi/g						
Bismuth-212		0.176	+/-0.157	0.0771	+/-0.154	0.159	pCi/g						
Bismuth-214		0.342	+/-0.0582	0.0238	+/-0.057	0.0485	pCi/g						
Cesium-134		0.0452	+/-0.0239	0.0122	+/-0.0234	0.025	pCi/g						
Cesium-137		8.98	+/-0.644	0.011	+/-0.631	0.0226	pCi/g						
Cobalt-60		1.68	+/-0.135	0.00783	+/-0.132	0.0166	pCi/g						
Europium-152	U	0.00244	+/-0.0423	0.0381	+/-0.0414	0.0773	pCi/g						
Europium-154	U	0.0522	+/-0.0333	0.0301	+/-0.0327	0.0627	pCi/g						
Europium-155	U	0.00558	+/-0.0376	0.0345	+/-0.0369	0.0699	pCi/g						
Lead-212		0.387	+/-0.0476	0.0211	+/-0.0466	0.0426	pCi/g						
Lead-214		0.414	+/-0.0815	0.0276	+/-0.0798	0.056	pCi/g						
Manganese-54	U	0.0176	+/-0.0225	0.0106	+/-0.022	0.0218	pCi/g						
Niobium-94	U	0.00548	+/-0.0101	0.00872	+/-0.00992	0.018	pCi/g						
Potassium-40		7.68	+/-0.683	0.0731	+/-0.669	0.156	pCi/g						
Radium-226		0.342	+/-0.0582	0.0238	+/-0.057	0.0485	pCi/g						
Silver-108m	U	0.00856	+/-0.0171	0.0152	+/-0.0168	0.0309	pCi/g						
Thallium-208		0.131	+/-0.0313	0.0121	+/-0.0307	0.0247	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1613	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-180-C-1C-01
Sample ID: 109720007

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

< Result is less than amount reported.
> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-180-C-1C-02	Project:	YANK00204
Sample ID:	109720008	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	01-MAR-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.440	+/-0.118	0.0259	+/-0.116	0.0547	pCi/g		SRB	04/06/04	2050	320978	1
Americium-241	U	0.0381	+/-0.0398	0.0318	+/-0.039	0.0651	pCi/g						
Bismuth-212		0.365	+/-0.172	0.0658	+/-0.168	0.137	pCi/g						
Bismuth-214		0.386	+/-0.0568	0.0148	+/-0.0557	0.0308	pCi/g						
Cesium-134	U	0.00	+/-0.0173	0.0108	+/-0.017	0.0225	pCi/g						
	UI												
Cesium-137	U	0.0194	+/-0.0107	0.00965	+/-0.0105	0.020	pCi/g						
Cobalt-60		0.0276	+/-0.0149	0.00912	+/-0.0146	0.0194	pCi/g						
Europium-152	U	0.0142	+/-0.0241	0.0204	+/-0.0236	0.042	pCi/g						
Europium-154	U	-0.00465	+/-0.0332	0.0233	+/-0.0325	0.0496	pCi/g						
Europium-155	U	0.018	+/-0.0234	0.0216	+/-0.023	0.0442	pCi/g						
Lead-212		0.462	+/-0.0508	0.0116	+/-0.0498	0.0238	pCi/g						
Lead-214		0.437	+/-0.0645	0.0134	+/-0.0632	0.0277	pCi/g						
Manganese-54	U	0.0104	+/-0.0114	0.00975	+/-0.0112	0.0203	pCi/g						
Niobium-94	U	-0.00304	+/-0.00902	0.00735	+/-0.00884	0.0153	pCi/g						
Potassium-40		7.66	+/-0.662	0.0753	+/-0.648	0.162	pCi/g						
Radium-226		0.386	+/-0.0568	0.0148	+/-0.0557	0.0308	pCi/g						
Silver-108m	U	-0.00306	+/-0.00771	0.00658	+/-0.00755	0.0137	pCi/g						
Thallium-208		0.160	+/-0.0257	0.00768	+/-0.0252	0.016	pCi/g						
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1613	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	GL-RAD-A-026

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Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-180-C-1C-02
Sample ID: 109720008
Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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

< Result is less than amount reported.
> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-3C-01
Sample ID: 109720009
Matrix: Misc Solid
Collect Date: 08-MAR-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2													
Americium-241	U	0.00612	+/-0.00849	0.00504	+/-0.00852	0.0142	pCi/g		JAS1	04/02/04	2203	320681	1
Curium-242	U	0.00341	+/-0.00472	0.00	+/-0.00474	0.00462	pCi/g						
Curium-243/244	U	-7.320E-10	+/-0.00737	0.00618	+/-0.00737	0.0165	pCi/g						
Alphaspec Pu, Solid-TRU2													
Plutonium-238	U	-0.00281	+/-0.00767	0.00911	+/-0.00768	0.0257	pCi/g		JAS1	04/02/04	2203	320682	2
Plutonium-239/240	U	0.00551	+/-0.00763	0.00	+/-0.00764	0.00746	pCi/g						
Liquid Scint Pu241, Solid-TRU2													
Plutonium-241	U	-1.51	+/-2.38	2.03	+/-2.39	4.13	pCi/g		JAS1	04/05/04	1651	320686	3
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.449	+/-0.0947	0.0257	+/-0.0928	0.054	pCi/g		SRB	04/06/04	2051	320978	4
Americium-241	U	0.0482	+/-0.0477	0.0326	+/-0.0467	0.0665	pCi/g						
Bismuth-212		0.370	+/-0.129	0.0552	+/-0.127	0.115	pCi/g						
Bismuth-214		0.394	+/-0.0618	0.0142	+/-0.0605	0.0294	pCi/g						
Cesium-134	U	0.0169	+/-0.0134	0.0092	+/-0.0132	0.0191	pCi/g						
Cesium-137		0.0293	+/-0.0114	0.00744	+/-0.0112	0.0155	pCi/g						
Cobalt-60	U	0.0149	+/-0.0101	0.00919	+/-0.00985	0.0194	pCi/g						
Europium-152	U	-0.00732	+/-0.0228	0.020	+/-0.0224	0.0413	pCi/g						
Europium-154	U	0.000607	+/-0.0346	0.0251	+/-0.0339	0.0528	pCi/g						
Europium-155	U	0.0164	+/-0.0265	0.0241	+/-0.026	0.0491	pCi/g						
Lead-212		0.413	+/-0.0421	0.0123	+/-0.0412	0.0252	pCi/g						
Lead-214		0.438	+/-0.0574	0.0139	+/-0.0562	0.0287	pCi/g						
Manganese-54	U	0.0141	+/-0.0171	0.00725	+/-0.0167	0.0152	pCi/g						
Niobium-94	U	0.00659	+/-0.00938	0.00726	+/-0.00919	0.0151	pCi/g						
Potassium-40		7.95	+/-0.703	0.068	+/-0.689	0.146	pCi/g						
Radium-226		0.394	+/-0.0618	0.0142	+/-0.0605	0.0294	pCi/g						
Silver-108m	U	-0.00667	+/-0.00773	0.00647	+/-0.00757	0.0134	pCi/g						
Thallium-208		0.139	+/-0.0249	0.00755	+/-0.0244	0.0157	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0165	+/-0.0031	0.0013	+/-0.0059	0.0029	pCi/g		HOB1	04/03/04	1846	320713	5
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		2.43	+/-1.48	1.16	+/-1.49	2.32	pCi/g		CTO1	04/07/04	0609	322589	6
Liquid Scint C14, Solid-HTD2													

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-3C-01
Sample ID: 109720009
Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Liquid Scintillation Analysis											
Liquid Scint C14, Solid-HTD2											
Carbon-14	U	-0.0159	+/-0.281	0.237	+/-0.281	0.491	pCi/g		CTO1 04/02/04	0905	321649 8
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1330	320552
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1613	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Pu-11-RC Modified
3	DOE EML HASL-300, Pu-11-RC Modified
4	EML HASL 300, 4.5.2.3
5	EPA 905.0 Modified
6	EPA 906.0 Modified
7	EPA 906.0 Modified
8	EPA EERF C-01 Modified
9	EPA EERF C-01 Modified
10	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TRU	81	(25%-125%)
Plutonium-242	Alphaspec Pu, Solid-TRU2	90	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid-TRU2	85	
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	72	(25%-125%)

Notes:
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Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-3C-01
Sample ID: 109720009

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

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UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-3C-02
Sample ID: 109720010
Matrix: Misc Solid
Collect Date: 08-MAR-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Alpha Spec Analysis													
Alphaspec Am241, Cm, Solid-TRU2													
Americium-241	U	-3.340E-10	+/-0.00549	0.0046	+/-0.00549	0.013	pCi/g		JAS1	04/02/04	2203	320681	1
Curium-242	U	-0.00156	+/-0.00432	0.00362	+/-0.00432	0.0115	pCi/g						
Curium-243/244	U	-1.670E-10	+/-0.00389	0.00326	+/-0.00389	0.0103	pCi/g						
Alphaspec Pu, Solid-TRU2													
Plutonium-238	U	-0.00824	+/-0.00926	0.0127	+/-0.00928	0.0327	pCi/g		JAS1	04/02/04	2203	320682	2
Plutonium-239/240	U	0.0122	+/-0.0122	0.00448	+/-0.0122	0.0163	pCi/g						
Liquid Scint Pu241, Solid-TRU2													
Plutonium-241	U	-1.12	+/-2.21	1.87	+/-2.21	3.82	pCi/g		JAS1	04/05/04	1754	320686	3
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.443	+/-0.111	0.0355	+/-0.109	0.0737	pCi/g		SRB	04/06/04	2052	320978	4
Americium-241	U	-0.00304	+/-0.017	0.0136	+/-0.0167	0.0277	pCi/g						
Bismuth-212		0.295	+/-0.176	0.080	+/-0.172	0.165	pCi/g						
Bismuth-214		0.514	+/-0.0708	0.0189	+/-0.0694	0.0389	pCi/g						
Cesium-134	U	0.00178	+/-0.0199	0.0124	+/-0.0195	0.0256	pCi/g						
Cesium-137		0.0402	+/-0.0225	0.0114	+/-0.022	0.0234	pCi/g						
Cobalt-60	U	0.0191	+/-0.0241	0.0128	+/-0.0236	0.0266	pCi/g						
Europium-152	U	-0.0133	+/-0.0277	0.0245	+/-0.0272	0.0503	pCi/g						
Europium-154	U	0.006	+/-0.0401	0.0332	+/-0.0393	0.0692	pCi/g						
Europium-155	U	0.0434	+/-0.0332	0.0229	+/-0.0325	0.0467	pCi/g						
Lead-212		0.461	+/-0.0537	0.014	+/-0.0526	0.0286	pCi/g						
Lead-214		0.510	+/-0.069	0.0183	+/-0.0676	0.0375	pCi/g						
Manganese-54	U	-9.010E-05	+/-0.0124	0.0107	+/-0.0122	0.0222	pCi/g						
Niobium-94	U	0.00346	+/-0.012	0.0101	+/-0.0117	0.0207	pCi/g						
Potassium-40		7.43	+/-0.633	0.0943	+/-0.620	0.199	pCi/g						
Radium-226		0.514	+/-0.0708	0.0189	+/-0.0694	0.0389	pCi/g						
Silver-108m	U	-0.00419	+/-0.0101	0.00873	+/-0.00988	0.0179	pCi/g						
Thallium-208		0.144	+/-0.0326	0.0102	+/-0.0319	0.021	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0231	+/-0.0039	0.0017	+/-0.0089	0.0037	pCi/g		HOB1	04/03/04	1846	320713	5
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	0.328	+/-1.48	1.23	+/-1.48	2.46	pCi/g		CTO1	04/07/04	0641	322589	6
Liquid Scint C14, Solid-HTD2													

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Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-3C-02
Sample ID: 109720010
Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Liquid Scintillation Analysis											
Liquid Scint C14, Solid-HTD2											
Carbon-14	U	-0.0901	+/-0.332	0.282	+/-0.332	0.586	pCi/g		CTO1 04/02/04	1007	321649 8
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1330	320552
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1614	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

The following Analytical Methods were performed

Method	Description
1	DOE EML HASL-300, Am-05-RC Modified
2	DOE EML HASL-300, Pu-11-RC Modified
3	DOE EML HASL-300, Pu-11-RC Modified
4	EML HASL 300, 4.5.2.3
5	EPA 905.0 Modified
6	EPA 906.0 Modified
7	EPA 906.0 Modified
8	EPA EERF C-01 Modified
9	EPA EERF C-01 Modified
10	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Americium-243	Alphaspec Am241, Cm, Solid-TRU	91	(25%-125%)
Plutonium-242	Alphaspec Pu, Solid-TRU2	88	(15%-125%)
Carrier/Tracer Recovery	Liquid Scint Pu241, Solid-TRU2	94	
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	64	(25%-125%)

Notes:
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< Result is less than amount reported.

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-3C-02
Sample ID: 109720010

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-176-C-8C-01	Project:	YANK00204
Sample ID:	109720011	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	09-MAR-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.457	+/-0.0933	0.0234	+/-0.0915	0.0493	pCi/g		SRB	04/06/04	2052	320978	1
Americium-241	U	0.0476	+/-0.0593	0.0537	+/-0.0582	0.110	pCi/g						
Bismuth-212		0.287	+/-0.110	0.0536	+/-0.108	0.112	pCi/g						
Bismuth-214		0.450	+/-0.0534	0.0132	+/-0.0523	0.0275	pCi/g						
Cesium-134	U	0.0156	+/-0.018	0.00943	+/-0.0176	0.0196	pCi/g						
Cesium-137		0.0245	+/-0.0161	0.00755	+/-0.0158	0.0157	pCi/g						
Cobalt-60		0.0275	+/-0.0199	0.00812	+/-0.0195	0.0172	pCi/g						
Europium-152	U	-0.00606	+/-0.0235	0.020	+/-0.023	0.0411	pCi/g						
Europium-154	U	-0.00587	+/-0.0257	0.0216	+/-0.0252	0.0458	pCi/g						
Europium-155	U	0.0212	+/-0.030	0.0233	+/-0.0294	0.0477	pCi/g						
Lead-212		0.417	+/-0.0449	0.0126	+/-0.044	0.0258	pCi/g						
Lead-214		0.500	+/-0.0628	0.0143	+/-0.0616	0.0294	pCi/g						
Manganese-54	U	0.00333	+/-0.0089	0.00767	+/-0.00872	0.016	pCi/g						
Niobium-94	U	0.00366	+/-0.00738	0.00651	+/-0.00723	0.0136	pCi/g						
Potassium-40		6.82	+/-0.659	0.0747	+/-0.646	0.159	pCi/g						
Radium-226		0.450	+/-0.0534	0.0132	+/-0.0523	0.0275	pCi/g						
Silver-108m	U	-0.00181	+/-0.00697	0.00622	+/-0.00683	0.0129	pCi/g						
Thallium-208		0.138	+/-0.0244	0.00661	+/-0.0239	0.0138	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0186	+/-0.003	0.0013	+/-0.0054	0.0029	pCi/g		HOB1	04/03/04	1846	320713	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		3.14	+/-1.71	1.33	+/-1.72	2.65	pCi/g		CTO1	04/07/04	0713	322589	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1330	320552
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1614	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-8C-01
Sample ID: 109720011

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	94	(25%-125%)

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-12C-01
Sample ID: 109720012
Matrix: Misc Solid
Collect Date: 09-MAR-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.532	+/-0.108	0.0294	+/-0.106	0.0619	pCi/g		SRB	04/06/04	2053	320978	1
Americium-241	U	-0.00237	+/-0.0125	0.0117	+/-0.0122	0.0238	pCi/g						
Bismuth-212		0.181	+/-0.146	0.0716	+/-0.143	0.150	pCi/g						
Bismuth-214		0.443	+/-0.0683	0.0155	+/-0.067	0.0323	pCi/g						
Cesium-134	U UI	0.00	+/-0.020	0.0122	+/-0.0196	0.0252	pCi/g						
Cesium-137		0.0703	+/-0.0176	0.00884	+/-0.0173	0.0185	pCi/g						
Cobalt-60	U	0.020	+/-0.0196	0.00996	+/-0.0192	0.0212	pCi/g						
Europium-152	U	-0.0153	+/-0.0238	0.0205	+/-0.0233	0.0424	pCi/g						
Europium-154	U	0.00352	+/-0.0308	0.0268	+/-0.0302	0.0569	pCi/g						
Europium-155	U	0.0334	+/-0.0213	0.0199	+/-0.0209	0.0406	pCi/g						
Lead-212		0.407	+/-0.043	0.011	+/-0.0422	0.0226	pCi/g						
Lead-214		0.433	+/-0.0572	0.0153	+/-0.056	0.0317	pCi/g						
Manganese-54	U	0.00569	+/-0.0108	0.00952	+/-0.0105	0.0199	pCi/g						
Niobium-94	U	0.00176	+/-0.00906	0.00803	+/-0.00888	0.0168	pCi/g						
Potassium-40		7.52	+/-0.622	0.0842	+/-0.610	0.181	pCi/g						
Radium-226		0.443	+/-0.0683	0.0155	+/-0.067	0.0323	pCi/g						
Silver-108m	U	0.00204	+/-0.00864	0.00755	+/-0.00847	0.0157	pCi/g						
Thallium-208		0.135	+/-0.0253	0.00876	+/-0.0248	0.0182	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0131	+/-0.0024	0.0011	+/-0.0042	0.0024	pCi/g		HOB1	04/05/04	1529	320713	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		5.07	+/-1.74	1.29	+/-1.78	2.58	pCi/g		CTO1	04/07/04	0745	322589	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1330	320552
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1614	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-12C-01
Sample ID: 109720012

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	86	(25%-125%)

Notes:
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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-176-C-18C-01	Project:	YANK00204
Sample ID:	109720013	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	10-MAR-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.314	+/-0.0713	0.0196	+/-0.0699	0.0407	pCi/g		SRB	04/06/04	2054	320978	1
Americium-241	U	-0.0117	+/-0.0523	0.0338	+/-0.0513	0.0688	pCi/g						
Bismuth-212		0.249	+/-0.0969	0.0392	+/-0.0949	0.0811	pCi/g						
Bismuth-214		0.322	+/-0.0451	0.0102	+/-0.0442	0.021	pCi/g						
Cesium-134	U UI	0.00	+/-0.00991	0.00668	+/-0.00972	0.0138	pCi/g						
Cesium-137		0.0253	+/-0.0103	0.0061	+/-0.0101	0.0126	pCi/g						
Cobalt-60		0.012	+/-0.00986	0.00539	+/-0.00966	0.0113	pCi/g						
Europium-152	U	-0.0128	+/-0.0179	0.0153	+/-0.0175	0.0314	pCi/g						
Europium-154	U	0.00414	+/-0.023	0.0171	+/-0.0225	0.0356	pCi/g						
Europium-155	U	0.00501	+/-0.0231	0.0208	+/-0.0226	0.0423	pCi/g						
Lead-212		0.360	+/-0.0342	0.00955	+/-0.0335	0.0195	pCi/g						
Lead-214		0.378	+/-0.0437	0.0115	+/-0.0428	0.0236	pCi/g						
Manganese-54	U	0.00585	+/-0.00764	0.00588	+/-0.00749	0.0121	pCi/g						
Niobium-94	U	-0.00175	+/-0.00606	0.00521	+/-0.00594	0.0107	pCi/g						
Potassium-40		6.80	+/-0.561	0.0436	+/-0.549	0.0926	pCi/g						
Radium-226		0.322	+/-0.0451	0.0102	+/-0.0442	0.021	pCi/g						
Silver-108m	U	0.00393	+/-0.00614	0.0054	+/-0.00602	0.0111	pCi/g						
Thallium-208		0.113	+/-0.0188	0.00527	+/-0.0184	0.0109	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0131	+/-0.0023	0.0011	+/-0.004	0.0024	pCi/g		HOB1	04/05/04	1529	320713	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		3.40	+/-1.63	1.25	+/-1.65	2.50	pCi/g		CTO1	04/07/04	0817	322589	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1330	320552
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1614	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-18C-01
Sample ID: 109720013

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	88	(25%-125%)

Notes:
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

Reviewed by

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-176-C-18C-02	Project:	YANK00204
Sample ID:	109720014	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	10-MAR-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.406	+/-0.101	0.0372	+/-0.099	0.0784	pCi/g		SRB	04/06/04	2054	320978	1
Americium-241	U	0.00303	+/-0.0269	0.0252	+/-0.0264	0.0513	pCi/g						
Bismuth-212		0.326	+/-0.199	0.0845	+/-0.195	0.177	pCi/g						
Bismuth-214		0.415	+/-0.0741	0.0203	+/-0.0727	0.0423	pCi/g						
Cesium-134	U UI	0.00	+/-0.0305	0.0136	+/-0.0299	0.0284	pCi/g						
Cesium-137		0.047	+/-0.0313	0.0117	+/-0.0306	0.0243	pCi/g						
Cobalt-60	U	0.0162	+/-0.0138	0.0125	+/-0.0135	0.0266	pCi/g						
Europium-152	U	0.00574	+/-0.0329	0.0295	+/-0.0322	0.0607	pCi/g						
Europium-154	U	0.00535	+/-0.0458	0.0335	+/-0.0449	0.0711	pCi/g						
Europium-155	U	0.0181	+/-0.0337	0.0309	+/-0.033	0.0628	pCi/g						
Lead-212		0.339	+/-0.0458	0.0166	+/-0.0449	0.0339	pCi/g						
Lead-214		0.434	+/-0.0698	0.0203	+/-0.0684	0.0419	pCi/g						
Manganese-54	U	-0.00792	+/-0.0132	0.0111	+/-0.0129	0.0232	pCi/g						
Niobium-94	U	0.0102	+/-0.0109	0.0107	+/-0.0107	0.0223	pCi/g						
Potassium-40		7.08	+/-0.693	0.102	+/-0.679	0.219	pCi/g						
Radium-226		0.415	+/-0.0741	0.0203	+/-0.0727	0.0423	pCi/g						
Silver-108m	U	0.000985	+/-0.0115	0.0101	+/-0.0112	0.0208	pCi/g						
Thallium-208		0.122	+/-0.0382	0.0111	+/-0.0374	0.0231	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0112	+/-0.0019	0.0008	+/-0.003	0.0018	pCi/g		HOB1	04/05/04	1530	320713	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	1.51	+/-1.48	1.19	+/-1.49	2.38	pCi/g		CTO1	04/07/04	0849	322589	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1330	320552
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1614	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-176-C-18C-02
Sample ID: 109720014

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	105	(25%-125%)

Notes:
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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-177-C-21C-01	Project:	YANK00204
Sample ID:	109720015	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	01-MAR-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.284	+/-0.0779	0.0243	+/-0.0763	0.0512	pCi/g		SRB	04/06/04	2112	320978	1
Americium-241	U	-0.0222	+/-0.0334	0.0288	+/-0.0327	0.059	pCi/g						
Bismuth-212		0.184	+/-0.0926	0.048	+/-0.0908	0.101	pCi/g						
Bismuth-214		0.335	+/-0.0492	0.0125	+/-0.0483	0.0261	pCi/g						
Cesium-134	U UI	0.00	+/-0.0166	0.00878	+/-0.0163	0.0183	pCi/g						
Cesium-137	U	0.00945	+/-0.00975	0.00677	+/-0.00956	0.0142	pCi/g						
Cobalt-60	U	0.00787	+/-0.00885	0.00809	+/-0.00867	0.0172	pCi/g						
Europium-152	U	-0.014	+/-0.0204	0.0171	+/-0.020	0.0353	pCi/g						
Europium-154	U	-0.00789	+/-0.0267	0.0213	+/-0.0262	0.0453	pCi/g						
Europium-155	U	0.0144	+/-0.0214	0.0206	+/-0.021	0.0421	pCi/g						
Lead-212		0.326	+/-0.034	0.0107	+/-0.0333	0.0219	pCi/g						
Lead-214		0.388	+/-0.0493	0.0127	+/-0.0483	0.0263	pCi/g						
Manganese-54	U	0.00253	+/-0.00865	0.00752	+/-0.00847	0.0157	pCi/g						
Niobium-94	U	-0.005	+/-0.00714	0.00597	+/-0.007	0.0125	pCi/g						
Potassium-40		7.30	+/-0.601	0.0548	+/-0.589	0.120	pCi/g						
Radium-226		0.335	+/-0.0492	0.0125	+/-0.0483	0.0261	pCi/g						
Silver-108m	U	0.000886	+/-0.00673	0.00574	+/-0.0066	0.0119	pCi/g						
Thallium-208		0.104	+/-0.0209	0.00664	+/-0.0205	0.0139	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0169	+/-0.0027	0.0012	+/-0.0059	0.0026	pCi/g		HOB1	04/05/04	1530	320713	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		2.82	+/-1.59	1.23	+/-1.60	2.47	pCi/g		CTO1	04/07/04	0921	322589	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1330	320552
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1614	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-177-C-21C-01
Sample ID: 109720015
Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	72	(25%-125%)

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

< Result is less than amount reported.
> Result is greater than amount reported.
B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-177-C-21C-02
Sample ID: 109720016
Matrix: Misc Solid
Collect Date: 01-MAR-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid-GAM2											
Actinium-228		0.329	+/-0.0884	0.0261	+/-0.0866	0.0549	pCi/g		SRB 04/06/04	2113	320978 1
Americium-241	U	-0.0199	+/-0.0642	0.0539	+/-0.0629	0.110	pCi/g				
Bismuth-212		0.203	+/-0.112	0.0572	+/-0.110	0.120	pCi/g				
Bismuth-214		0.325	+/-0.0504	0.0132	+/-0.0494	0.0274	pCi/g				
Cesium-134	U	0.0144	+/-0.0118	0.00884	+/-0.0116	0.0185	pCi/g				
Cesium-137	U	0.00702	+/-0.0119	0.00873	+/-0.0117	0.0181	pCi/g				
Cobalt-60		0.0316	+/-0.0134	0.00834	+/-0.0132	0.0177	pCi/g				
Europium-152	U	-0.00432	+/-0.0229	0.0205	+/-0.0224	0.0424	pCi/g				
Europium-154	U	0.016	+/-0.0463	0.0237	+/-0.0454	0.0501	pCi/g				
Europium-155	U	0.0119	+/-0.0282	0.0262	+/-0.0276	0.0534	pCi/g				
Lead-212		0.308	+/-0.0367	0.0121	+/-0.036	0.0249	pCi/g				
Lead-214		0.392	+/-0.0564	0.0147	+/-0.0553	0.0302	pCi/g				
Manganese-54	U	0.00116	+/-0.00862	0.00766	+/-0.00845	0.0161	pCi/g				
Niobium-94	U	0.00169	+/-0.00799	0.00687	+/-0.00783	0.0143	pCi/g				
Potassium-40		6.31	+/-0.564	0.0589	+/-0.553	0.128	pCi/g				
Radium-226		0.325	+/-0.0504	0.0132	+/-0.0494	0.0274	pCi/g				
Silver-108m	U	0.000978	+/-0.00769	0.00687	+/-0.00754	0.0142	pCi/g				
Thallium-208		0.115	+/-0.0229	0.00703	+/-0.0225	0.0147	pCi/g				
Rad Gas Flow Proportional Counting											
GFPC, Sr90, solid-HTD2											
Strontium-90		0.0117	+/-0.0022	0.0009	+/-0.0041	0.0021	pCi/g		HOB1 04/05/04	1530	320713 2
Rad Liquid Scintillation Analysis											
LSC, Tritium Dist, Solid-HTD2											
Tritium		3.95	+/-1.63	1.23	+/-1.65	2.46	pCi/g		CTO1 04/07/04	0953	322589 3
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1330	320552
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1614	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-177-C-21C-02
Sample ID: 109720016
Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	74	(25%-125%)

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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Certificate of Analysis

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-181-C-1C-01
Sample ID: 109720017
Matrix: Misc Solid
Collect Date: 18-FEB-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.485	+/-0.101	0.0356	+/-0.0986	0.0739	pCi/g		SRB	04/06/04	2113	320978	1
Americium-241	U	0.0254	+/-0.0438	0.0365	+/-0.0429	0.0743	pCi/g						
Bismuth-212		0.337	+/-0.141	0.0707	+/-0.138	0.147	pCi/g						
Bismuth-214		0.529	+/-0.0642	0.0167	+/-0.0629	0.0345	pCi/g						
Cesium-134	U UI	0.00	+/-0.0206	0.0122	+/-0.0202	0.0252	pCi/g						
Cesium-137		0.198	+/-0.0289	0.00905	+/-0.0283	0.0188	pCi/g						
Cobalt-60		0.203	+/-0.032	0.0098	+/-0.0314	0.0207	pCi/g						
Europium-152	U	-0.00657	+/-0.0314	0.0236	+/-0.0307	0.0484	pCi/g						
Europium-154	U	-0.0307	+/-0.0345	0.0273	+/-0.0338	0.0576	pCi/g						
Europium-155	U	0.0533	+/-0.0299	0.0273	+/-0.0293	0.0556	pCi/g						
Lead-212		0.523	+/-0.0534	0.014	+/-0.0523	0.0286	pCi/g						
Lead-214		0.569	+/-0.0683	0.0167	+/-0.067	0.0344	pCi/g						
Manganese-54	U	0.00542	+/-0.0117	0.0101	+/-0.0115	0.0209	pCi/g						
Niobium-94	U	0.00166	+/-0.0099	0.00854	+/-0.0097	0.0177	pCi/g						
Potassium-40		8.11	+/-0.683	0.0762	+/-0.670	0.163	pCi/g						
Radium-226		0.529	+/-0.0642	0.0167	+/-0.0629	0.0345	pCi/g						
Silver-108m	U	-0.00359	+/-0.00959	0.00801	+/-0.0094	0.0165	pCi/g						
Thallium-208		0.208	+/-0.0292	0.00871	+/-0.0286	0.0181	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0122	+/-0.0019	0.0008	+/-0.0032	0.0018	pCi/g		HOB1	04/05/04	1530	320713	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		3.85	+/-1.69	1.29	+/-1.72	2.58	pCi/g		CTO1	04/07/04	1025	322589	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1330	320552
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1614	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-181-C-1C-01
Sample ID: 109720017

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	107	(25%-125%)

Notes:
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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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Reviewed by

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-181-C-1C-02	Project:	YANK00204
Sample ID:	109720018	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	18-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.464	+/-0.116	0.0303	+/-0.113	0.0637	pCi/g		SRB	04/06/04	2114	320978	1
Americium-241	U	0.0133	+/-0.0623	0.0494	+/-0.061	0.101	pCi/g						
Bismuth-212		0.351	+/-0.181	0.0618	+/-0.178	0.130	pCi/g						
Bismuth-214		0.522	+/-0.0707	0.0153	+/-0.0693	0.0319	pCi/g						
Cesium-134	U	0.0226	+/-0.0185	0.0112	+/-0.0181	0.0232	pCi/g						
Cesium-137		0.0407	+/-0.021	0.00859	+/-0.0206	0.0179	pCi/g						
Cobalt-60		0.0523	+/-0.0163	0.00832	+/-0.016	0.0179	pCi/g						
Europium-152	U	-0.0191	+/-0.0274	0.0221	+/-0.0268	0.0457	pCi/g						
Europium-154	U	-0.015	+/-0.0311	0.0251	+/-0.0305	0.0534	pCi/g						
Europium-155	U	0.0077	+/-0.0289	0.0265	+/-0.0283	0.0543	pCi/g						
Lead-212		0.564	+/-0.0656	0.015	+/-0.0643	0.0308	pCi/g						
Lead-214		0.588	+/-0.0753	0.0166	+/-0.0738	0.0342	pCi/g						
Manganese-54	U	-0.00734	+/-0.0106	0.00835	+/-0.0104	0.0176	pCi/g						
Niobium-94	U	0.00324	+/-0.00919	0.00787	+/-0.009	0.0164	pCi/g						
Potassium-40		7.52	+/-0.700	0.0753	+/-0.686	0.163	pCi/g						
Radium-226		0.522	+/-0.0707	0.0153	+/-0.0693	0.0319	pCi/g						
Silver-108m	U	0.0028	+/-0.00823	0.00734	+/-0.00807	0.0153	pCi/g						
Thallium-208		0.166	+/-0.0266	0.00852	+/-0.0261	0.0178	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0133	+/-0.0025	0.0012	+/-0.0048	0.0027	pCi/g		HOB1	04/06/04	0116	320713	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	0.854	+/-1.55	1.27	+/-1.56	2.55	pCi/g		CTO1	04/07/04	1057	322589	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1330	320552
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1614	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-181-C-1C-02
Sample ID: 109720018

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	73	(25%-125%)

Notes:
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-181-C-3C-01	Project:	YANK00204
Sample ID:	109720019	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	18-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.534	+/-0.111	0.0294	+/-0.109	0.062	pCi/g		SRB	04/06/04	2117	320978	1
Americium-241	U	0.0202	+/-0.0404	0.0395	+/-0.0396	0.0807	pCi/g						
Bismuth-212		0.284	+/-0.158	0.0698	+/-0.155	0.146	pCi/g						
Bismuth-214		0.468	+/-0.0604	0.0168	+/-0.0592	0.035	pCi/g						
Cesium-134	U UI	0.00	+/-0.0195	0.00909	+/-0.0191	0.0191	pCi/g						
Cesium-137	U	0.0154	+/-0.0147	0.00853	+/-0.0144	0.0178	pCi/g						
Cobalt-60	U	0.012	+/-0.0204	0.00933	+/-0.020	0.0199	pCi/g						
Europium-152	U	-0.0117	+/-0.0307	0.0257	+/-0.0301	0.0529	pCi/g						
Europium-154	U	0.0235	+/-0.0333	0.0295	+/-0.0326	0.0624	pCi/g						
Europium-155	U	0.0216	+/-0.0393	0.0269	+/-0.0386	0.055	pCi/g						
Lead-212		0.430	+/-0.0496	0.015	+/-0.0486	0.0308	pCi/g						
Lead-214		0.514	+/-0.0695	0.0184	+/-0.0681	0.0378	pCi/g						
Manganese-54	U	0.0077	+/-0.0119	0.0103	+/-0.0117	0.0215	pCi/g						
Niobium-94	U	-0.00819	+/-0.00955	0.00775	+/-0.00936	0.0162	pCi/g						
Potassium-40		7.65	+/-0.696	0.0835	+/-0.682	0.180	pCi/g						
Radium-226		0.468	+/-0.0604	0.0168	+/-0.0592	0.035	pCi/g						
Silver-108m	U	0.0105	+/-0.0101	0.00878	+/-0.0099	0.0181	pCi/g						
Thallium-208		0.160	+/-0.0301	0.00933	+/-0.0295	0.0194	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.014	+/-0.0025	0.0011	+/-0.005	0.0025	pCi/g		HOB1	04/06/04	0116	320713	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	0.531	+/-1.59	1.31	+/-1.59	2.63	pCi/g		CTO1	04/07/04	1129	322589	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1330	320552
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1614	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-181-C-3C-01
Sample ID: 109720019

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	72	(25%-125%)

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

< Result is less than amount reported.
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B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-181-C-4C-01
Sample ID: 109720020
Matrix: Misc Solid
Collect Date: 18-FEB-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid-GAM2											
Actinium-228		0.530	+/-0.103	0.0295	+/-0.101	0.0618	pCi/g		SRB 04/06/04	2118	320978 1
Americium-241	U	0.0063	+/-0.0415	0.036	+/-0.0407	0.0735	pCi/g				
Bismuth-212		0.346	+/-0.151	0.0603	+/-0.148	0.126	pCi/g				
Bismuth-214		0.469	+/-0.0664	0.0148	+/-0.065	0.0308	pCi/g				
Cesium-134	U	0.0198	+/-0.0151	0.0104	+/-0.0148	0.0217	pCi/g				
Cesium-137		0.0242	+/-0.0188	0.00837	+/-0.0184	0.0174	pCi/g				
Cobalt-60	U	0.00	+/-0.0265	0.00976	+/-0.0259	0.0206	pCi/g				
	UI										
Europium-152	U	-0.0111	+/-0.0236	0.0209	+/-0.0231	0.043	pCi/g				
Europium-154	U	-0.013	+/-0.0309	0.025	+/-0.0303	0.0529	pCi/g				
Europium-155	U	0.0203	+/-0.0269	0.0253	+/-0.0264	0.0515	pCi/g				
Lead-212		0.498	+/-0.0474	0.0128	+/-0.0464	0.0261	pCi/g				
Lead-214		0.498	+/-0.0577	0.0147	+/-0.0565	0.0304	pCi/g				
Manganese-54	U	0.00228	+/-0.0103	0.00909	+/-0.0101	0.019	pCi/g				
Niobium-94	U	0.000438	+/-0.00895	0.00754	+/-0.00877	0.0157	pCi/g				
Potassium-40		8.37	+/-0.696	0.0666	+/-0.682	0.144	pCi/g				
Radium-226		0.469	+/-0.0664	0.0148	+/-0.065	0.0308	pCi/g				
Silver-108m	U	0.000719	+/-0.00766	0.00678	+/-0.0075	0.0141	pCi/g				
Thallium-208		0.184	+/-0.0295	0.00803	+/-0.0289	0.0167	pCi/g				
Rad Gas Flow Proportional Counting											
GFPC, Sr90, solid-HTD2											
Strontium-90		0.0174	+/-0.0031	0.0016	+/-0.0065	0.0035	pCi/g		HOB1 04/06/04	0554	320713 2
Rad Liquid Scintillation Analysis											
LSC, Tritium Dist, Solid-HTD2											
Tritium		13.2	+/-1.97	1.24	+/-2.18	2.48	pCi/g		CTO1 04/07/04	1416	322589 3
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1330	320552
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	MJM1	03/29/04	1614	320549
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	1341	320547

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-181-C-4C-01
Sample ID: 109720020

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	67	(25%-125%)

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

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B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-181-C-6C-01	Project:	YANK00204
Sample ID:	109720021	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	18-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.552	+/-0.148	0.038	+/-0.145	0.0838	pCi/g		SRB	04/06/04	0946	320976	1
Americium-241	U	0.00209	+/-0.0566	0.0531	+/-0.0554	0.110	pCi/g						
Bismuth-212	U	0.218	+/-0.214	0.111	+/-0.210	0.236	pCi/g						
Bismuth-214		0.435	+/-0.0833	0.0219	+/-0.0816	0.047	pCi/g						
Cesium-134	U	0.0374	+/-0.0292	0.0179	+/-0.0286	0.038	pCi/g						
Cesium-137	U	0.00863	+/-0.0177	0.0141	+/-0.0174	0.030	pCi/g						
Cobalt-60		0.0612	+/-0.0389	0.013	+/-0.0381	0.029	pCi/g						
Europium-152	U	-0.0187	+/-0.0405	0.033	+/-0.0397	0.0694	pCi/g						
Europium-154	U	0.0292	+/-0.0515	0.0445	+/-0.0505	0.0972	pCi/g						
Europium-155	U	0.0441	+/-0.042	0.0397	+/-0.0411	0.082	pCi/g						
Lead-212		0.552	+/-0.0597	0.0212	+/-0.0585	0.044	pCi/g						
Lead-214		0.485	+/-0.0718	0.0243	+/-0.0703	0.0511	pCi/g						
Manganese-54	U	0.0235	+/-0.0173	0.0161	+/-0.0169	0.0344	pCi/g						
Niobium-94	U	0.0117	+/-0.0131	0.012	+/-0.0128	0.0256	pCi/g						
Potassium-40		7.98	+/-0.848	0.0973	+/-0.831	0.225	pCi/g						
Radium-226		0.435	+/-0.0833	0.0219	+/-0.0816	0.047	pCi/g						
Silver-108m	U	-0.00705	+/-0.013	0.0102	+/-0.0127	0.0218	pCi/g						
Thallium-208		0.177	+/-0.0384	0.0121	+/-0.0376	0.026	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	-0.0004	+/-0.0065	0.0064	+/-0.0065	0.0131	pCi/g		HOB1	04/03/04	0518	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	1.99	+/-1.46	1.16	+/-1.47	2.31	pCi/g		CTO1	04/07/04	1448	322589	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1549	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-181-C-6C-01
Sample ID: 109720021
Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	86	(25%-125%)

Notes:
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UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-181-C-6C-02	Project:	YANK00204
Sample ID:	109720022	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	18-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid-GAM2											
Actinium-228		0.497	+/-0.141	0.0464	+/-0.138	0.101	pCi/g		SRB 04/06/04	1141	320976 1
Americium-241	U	0.0134	+/-0.113	0.103	+/-0.111	0.213	pCi/g				
Bismuth-212	U	0.247	+/-0.239	0.117	+/-0.234	0.249	pCi/g				
Bismuth-214		0.402	+/-0.0771	0.025	+/-0.0755	0.0533	pCi/g				
Cesium-134	U	0.017	+/-0.0328	0.018	+/-0.0321	0.0382	pCi/g				
Cesium-137	U	0.00	+/-0.0225	0.0129	+/-0.022	0.0277	pCi/g				
	UI										
Cobalt-60	U	0.0304	+/-0.0219	0.017	+/-0.0215	0.0371	pCi/g				
Europium-152	U	-0.00178	+/-0.0482	0.0371	+/-0.0472	0.0781	pCi/g				
Europium-154	U	-0.0279	+/-0.0574	0.0377	+/-0.0562	0.0838	pCi/g				
Europium-155	U	0.0413	+/-0.0828	0.0502	+/-0.0812	0.104	pCi/g				
Lead-212		0.520	+/-0.0688	0.024	+/-0.0674	0.0497	pCi/g				
Lead-214		0.480	+/-0.0773	0.0263	+/-0.0757	0.0553	pCi/g				
Manganese-54	U	0.000369	+/-0.017	0.0148	+/-0.0167	0.0318	pCi/g				
Niobium-94	U	-7.990E-05	+/-0.0141	0.0118	+/-0.0139	0.0252	pCi/g				
Potassium-40		7.64	+/-0.850	0.147	+/-0.833	0.325	pCi/g				
Radium-226		0.402	+/-0.0771	0.025	+/-0.0755	0.0533	pCi/g				
Silver-108m	U	-0.00396	+/-0.0147	0.0125	+/-0.0144	0.0265	pCi/g				
Thallium-208		0.154	+/-0.0405	0.0141	+/-0.0397	0.0299	pCi/g				
Rad Gas Flow Proportional Counting											
GFPC, Sr90, solid-HTD2											
Strontium-90	U	0.0048	+/-0.0051	0.0047	+/-0.0053	0.0098	pCi/g		HOB1 04/07/04	0444	320928 2
Rad Liquid Scintillation Analysis											
LSC, Tritium Dist, Solid-HTD2											
Tritium		4.28	+/-1.83	1.38	+/-1.85	2.77	pCi/g		CTO1 04/07/04	1520	322589 3
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1549	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-181-C-6C-02
Sample ID: 109720022

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	67	(25%-125%)

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BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
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J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
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U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-182-C-1C-01	Project:	YANK00204
Sample ID:	109720023	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	20-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.
Rad Gamma Spec Analysis											
Gammaspec, Gamma, Solid-GAM2											
Actinium-228		0.394	+/-0.122	0.0419	+/-0.119	0.0904	pCi/g		SRB 04/06/04	0948	320976 1
Americium-241	U	-0.00546	+/-0.0738	0.0656	+/-0.0723	0.137	pCi/g				
Bismuth-212	U	0.166	+/-0.149	0.106	+/-0.146	0.225	pCi/g				
Bismuth-214		0.315	+/-0.0603	0.0206	+/-0.0591	0.044	pCi/g				
Cesium-134	U	0.000931	+/-0.0207	0.0156	+/-0.0203	0.0332	pCi/g				
Cesium-137		0.069	+/-0.0213	0.0109	+/-0.0209	0.0234	pCi/g				
Cobalt-60		0.0683	+/-0.0276	0.00905	+/-0.027	0.0207	pCi/g				
Europium-152	U	1.950E-05	+/-0.0365	0.0313	+/-0.0357	0.0657	pCi/g				
Europium-154	U	-0.0167	+/-0.0431	0.0348	+/-0.0422	0.0765	pCi/g				
Europium-155	U	0.0106	+/-0.0385	0.0369	+/-0.0377	0.0765	pCi/g				
Lead-212		0.408	+/-0.0581	0.0187	+/-0.057	0.039	pCi/g				
Lead-214		0.417	+/-0.0737	0.0219	+/-0.0722	0.046	pCi/g				
Manganese-54	U	0.0186	+/-0.0156	0.0123	+/-0.0153	0.0264	pCi/g				
Niobium-94	U	0.00132	+/-0.0121	0.0105	+/-0.0119	0.0223	pCi/g				
Potassium-40		7.80	+/-0.832	0.0855	+/-0.815	0.197	pCi/g				
Radium-226		0.315	+/-0.0603	0.0206	+/-0.0591	0.044	pCi/g				
Silver-108m	U	0.0144	+/-0.0148	0.0111	+/-0.0145	0.0234	pCi/g				
Thallium-208		0.117	+/-0.0315	0.0117	+/-0.0308	0.0249	pCi/g				
Rad Gas Flow Proportional Counting											
GFPC, Sr90, solid-HTD2											
Strontium-90	U	0.0022	+/-0.0044	0.0041	+/-0.0044	0.0085	pCi/g		HOB1 04/07/04	0444	320928 2
Rad Liquid Scintillation Analysis											
LSC, Tritium Dist, Solid-HTD2											
Tritium		8.37	+/-1.82	1.25	+/-1.91	2.51	pCi/g		CTO1 04/07/04	1552	322589 3
Solid Preparation											
Laboratory Composite											

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1549	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-182-C-1C-01
Sample ID: 109720023

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	75	(25%-125%)

Notes:
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P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-182-C-1C-02
Sample ID: 109720024
Matrix: Misc Solid
Collect Date: 20-FEB-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.389	+/-0.107	0.0427	+/-0.105	0.0918	pCi/g		SRB	04/06/04	0948	320976	1
Americium-241	U	0.025	+/-0.0569	0.0479	+/-0.0557	0.0992	pCi/g						
Bismuth-212		0.251	+/-0.154	0.0818	+/-0.151	0.176	pCi/g						
Bismuth-214		0.436	+/-0.0723	0.0191	+/-0.0708	0.0408	pCi/g						
Cesium-134	U UI	0.00	+/-0.0326	0.014	+/-0.032	0.0298	pCi/g						
Cesium-137		0.0486	+/-0.0224	0.0105	+/-0.022	0.0225	pCi/g						
Cobalt-60		0.0407	+/-0.0214	0.0101	+/-0.021	0.0227	pCi/g						
Europium-152	U	0.00153	+/-0.0373	0.0321	+/-0.0365	0.0672	pCi/g						
Europium-154	U	-0.00271	+/-0.0399	0.0335	+/-0.0391	0.0738	pCi/g						
Europium-155	U	0.000461	+/-0.0339	0.0322	+/-0.0332	0.0666	pCi/g						
Lead-212		0.367	+/-0.0509	0.0181	+/-0.0498	0.0377	pCi/g						
Lead-214		0.476	+/-0.0682	0.021	+/-0.0668	0.0442	pCi/g						
Manganese-54	U	-0.000621	+/-0.015	0.0126	+/-0.0147	0.027	pCi/g						
Niobium-94	U	0.0114	+/-0.0119	0.0109	+/-0.0116	0.0233	pCi/g						
Potassium-40		7.66	+/-0.783	0.106	+/-0.768	0.237	pCi/g						
Radium-226		0.436	+/-0.0723	0.0191	+/-0.0708	0.0408	pCi/g						
Silver-108m	U	0.00319	+/-0.0126	0.0103	+/-0.0124	0.0217	pCi/g						
Thallium-208		0.111	+/-0.030	0.0111	+/-0.0294	0.0236	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	-0.0014	+/-0.0042	0.0041	+/-0.0042	0.0085	pCi/g		HOB1	04/07/04	0444	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	0.754	+/-1.56	1.28	+/-1.56	2.56	pCi/g		CTO1	04/07/04	1656	322589	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1549	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-182-C-1C-02
Sample ID: 109720024

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	74	(25%-125%)

Notes:
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< Result is less than amount reported.
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B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-182-C-4C
Sample ID: 109720025
Matrix: Misc Solid
Collect Date: 20-FEB-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	Mtd.
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid-GAM2												
Actinium-228		0.354	+/-0.133	0.0429	+/-0.131	0.0922	pCi/g		SRB 04/06/04	0949	320976	1
Americium-241	U	0.0396	+/-0.074	0.0708	+/-0.0725	0.146	pCi/g					
Bismuth-212		0.322	+/-0.179	0.0753	+/-0.175	0.163	pCi/g					
Bismuth-214		0.324	+/-0.0588	0.0216	+/-0.0577	0.0457	pCi/g					
Cesium-134	U	0.0198	+/-0.0225	0.0145	+/-0.022	0.0308	pCi/g					
Cesium-137		0.0807	+/-0.0246	0.0118	+/-0.0241	0.0252	pCi/g					
Cobalt-60		0.142	+/-0.0415	0.0107	+/-0.0407	0.0238	pCi/g					
Europium-152	U	-0.00125	+/-0.034	0.0304	+/-0.0333	0.0637	pCi/g					
Europium-154	U	0.0213	+/-0.0436	0.0384	+/-0.0427	0.0836	pCi/g					
Europium-155	U	0.0331	+/-0.039	0.0366	+/-0.0383	0.0756	pCi/g					
Lead-212		0.348	+/-0.0554	0.0189	+/-0.0543	0.0391	pCi/g					
Lead-214		0.417	+/-0.0685	0.0212	+/-0.0671	0.0445	pCi/g					
Manganese-54	U	0.00372	+/-0.0152	0.0128	+/-0.0149	0.0274	pCi/g					
Niobium-94	U	0.00737	+/-0.0116	0.0103	+/-0.0114	0.022	pCi/g					
Potassium-40		7.28	+/-0.793	0.113	+/-0.777	0.252	pCi/g					
Radium-226		0.324	+/-0.0588	0.0216	+/-0.0577	0.0457	pCi/g					
Silver-108m	U	0.000696	+/-0.0119	0.0105	+/-0.0116	0.0221	pCi/g					
Thallium-208		0.138	+/-0.0336	0.0114	+/-0.0329	0.0243	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid-HTD2												
Strontium-90	U	-0.0003	+/-0.0056	0.0054	+/-0.0056	0.0112	pCi/g		HOB1 04/07/04	0444	320928	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid-HTD2												
Tritium	U	1.15	+/-1.50	1.21	+/-1.50	2.43	pCi/g		CTO1 04/07/04	1728	322589	3
Solid Preparation												
Laboratory Composite												

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1549	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-182-C-4C
Sample ID: 109720025

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	65	(25%-125%)

Notes:
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-182-C-5C-01
Sample ID: 109720026
Matrix: Misc Solid
Collect Date: 20-FEB-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.457	+/-0.125	0.0356	+/-0.123	0.0777	pCi/g		SRB	04/06/04	0950	320976	1
Americium-241	U	-0.0121	+/-0.0595	0.0472	+/-0.0583	0.0977	pCi/g						
Bismuth-212		0.345	+/-0.241	0.0883	+/-0.236	0.190	pCi/g						
Bismuth-214		0.376	+/-0.0732	0.0212	+/-0.0717	0.0451	pCi/g						
Cesium-134	U	0.0199	+/-0.0169	0.0153	+/-0.0165	0.0325	pCi/g						
Cesium-137		0.0343	+/-0.0328	0.0117	+/-0.0321	0.0249	pCi/g						
Cobalt-60		0.0715	+/-0.0262	0.0111	+/-0.0256	0.0249	pCi/g						
Europium-152	U	0.0319	+/-0.0354	0.0315	+/-0.0347	0.0659	pCi/g						
Europium-154	U	-0.013	+/-0.0411	0.0327	+/-0.0403	0.0723	pCi/g						
Europium-155	U	0.0238	+/-0.0342	0.0326	+/-0.0335	0.0675	pCi/g						
Lead-212		0.380	+/-0.0685	0.0221	+/-0.0672	0.0456	pCi/g						
Lead-214		0.417	+/-0.0723	0.0198	+/-0.0708	0.0417	pCi/g						
Manganese-54	U	-0.00705	+/-0.0155	0.0122	+/-0.0152	0.0262	pCi/g						
Niobium-94	U	-0.00462	+/-0.0125	0.0102	+/-0.0123	0.0218	pCi/g						
Potassium-40		7.33	+/-0.765	0.130	+/-0.749	0.285	pCi/g						
Radium-226		0.376	+/-0.0732	0.0212	+/-0.0717	0.0451	pCi/g						
Silver-108m	U	8.750E-05	+/-0.0112	0.00993	+/-0.011	0.021	pCi/g						
Thallium-208		0.116	+/-0.0329	0.0125	+/-0.0322	0.0265	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0007	+/-0.005	0.0048	+/-0.005	0.0099	pCi/g		HOB1	04/03/04	1931	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		11.4	+/-1.98	1.29	+/-2.14	2.59	pCi/g		CTO1	04/07/04	1800	322589	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1549	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-182-C-5C-01
Sample ID: 109720026

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	99	(25%-125%)

Notes:
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BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

Reviewed by

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-182-C-9C-01
Sample ID: 109720027
Matrix: Misc Solid
Collect Date: 23-FEB-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.426	+/-0.167	0.0592	+/-0.164	0.125	pCi/g		SRB	04/06/04	0950	320976	1
Americium-241	U	0.0148	+/-0.0275	0.0224	+/-0.027	0.046	pCi/g						
Bismuth-212	U	0.0896	+/-0.206	0.154	+/-0.202	0.321	pCi/g						
Bismuth-214		0.297	+/-0.0708	0.0281	+/-0.0694	0.0592	pCi/g						
Cesium-134	U	0.00167	+/-0.0256	0.0197	+/-0.0251	0.0415	pCi/g						
Cesium-137	U	0.0328	+/-0.0249	0.0161	+/-0.0244	0.0339	pCi/g						
Cobalt-60	U	0.00503	+/-0.0236	0.0196	+/-0.0231	0.0419	pCi/g						
Europium-152	U	-0.004	+/-0.043	0.0382	+/-0.0422	0.0796	pCi/g						
Europium-154	U	0.00257	+/-0.0679	0.0558	+/-0.0665	0.119	pCi/g						
Europium-155	U	0.0758	+/-0.0551	0.0403	+/-0.054	0.0827	pCi/g						
Lead-212		0.425	+/-0.0621	0.0209	+/-0.0609	0.0434	pCi/g						
Lead-214		0.355	+/-0.0681	0.0285	+/-0.0668	0.0594	pCi/g						
Manganese-54	U	0.023	+/-0.0202	0.0185	+/-0.0198	0.039	pCi/g						
Niobium-94	U	0.00357	+/-0.0185	0.0155	+/-0.0181	0.0326	pCi/g						
Potassium-40		8.65	+/-0.922	0.140	+/-0.903	0.307	pCi/g						
Radium-226		0.297	+/-0.0708	0.0281	+/-0.0694	0.0592	pCi/g						
Silver-108m	U	0.00281	+/-0.0177	0.0137	+/-0.0173	0.0287	pCi/g						
Thallium-208		0.131	+/-0.0442	0.0164	+/-0.0433	0.0344	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	-0.0033	+/-0.005	0.005	+/-0.0051	0.0103	pCi/g		HOB1	04/03/04	1931	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	0.501	+/-1.42	1.17	+/-1.42	2.34	pCi/g		CTO1	04/07/04	1832	322589	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1549	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-182-C-9C-01
Sample ID: 109720027

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	87	(25%-125%)

Notes:
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-182-C-9C-02	Project:	YANK00204
Sample ID:	109720028	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	23-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.454	+/-0.126	0.0408	+/-0.124	0.0887	pCi/g		SRB	04/06/04	0951	320976	1
Americium-241	U	-0.0276	+/-0.104	0.0805	+/-0.102	0.168	pCi/g						
Bismuth-212		0.381	+/-0.206	0.0874	+/-0.202	0.189	pCi/g						
Bismuth-214		0.301	+/-0.0652	0.0244	+/-0.0639	0.0518	pCi/g						
Cesium-134	U	0.0184	+/-0.0216	0.0157	+/-0.0211	0.0335	pCi/g						
Cesium-137	U	0.00444	+/-0.0283	0.0134	+/-0.0277	0.0285	pCi/g						
Cobalt-60	U	0.0119	+/-0.0178	0.0161	+/-0.0175	0.035	pCi/g						
Europium-152	U	0.0438	+/-0.0516	0.0322	+/-0.0506	0.0679	pCi/g						
Europium-154	U	0.0278	+/-0.0558	0.044	+/-0.0547	0.0956	pCi/g						
Europium-155	U	0.0148	+/-0.0415	0.0387	+/-0.0407	0.0803	pCi/g						
Lead-212		0.420	+/-0.056	0.0183	+/-0.0548	0.0383	pCi/g						
Lead-214		0.352	+/-0.073	0.0225	+/-0.0715	0.0475	pCi/g						
Manganese-54	U	0.0153	+/-0.0148	0.0136	+/-0.0146	0.0291	pCi/g						
Niobium-94	U	-0.00855	+/-0.0131	0.0105	+/-0.0128	0.0225	pCi/g						
Potassium-40		8.82	+/-1.01	0.123	+/-0.988	0.274	pCi/g						
Radium-226		0.301	+/-0.0652	0.0244	+/-0.0639	0.0518	pCi/g						
Silver-108m	U	0.0188	+/-0.0262	0.0111	+/-0.0257	0.0235	pCi/g						
Thallium-208		0.124	+/-0.0317	0.0112	+/-0.0311	0.024	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0061	+/-0.0063	0.0059	+/-0.0067	0.0121	pCi/g		HOB1	04/07/04	0447	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	0.867	+/-1.51	1.23	+/-1.51	2.47	pCi/g		CTO1	04/07/04	1905	322589	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1549	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-182-C-9C-02
Sample ID: 109720028
Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	EPA 906.0 Modified
5	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	60	(25%-125%)

Notes:
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< Result is less than amount reported.
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B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
This data report has been prepared and reviewed in accordance with General Engineering Laboratories, LLC standard operating procedures. Please direct any questions to your Project Manager, Sarah Kozlik.

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-183-C-1C-01	Project:	YANK00204
Sample ID:	109720029	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	13-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.480	+/-0.143	0.0557	+/-0.140	0.120	pCi/g		SRB	04/06/04	0952	320976	1
Americium-241	U	0.0129	+/-0.0278	0.0198	+/-0.0273	0.0409	pCi/g						
Bismuth-212		0.319	+/-0.222	0.114	+/-0.218	0.246	pCi/g						
Bismuth-214		0.429	+/-0.0885	0.0282	+/-0.0867	0.0598	pCi/g						
Cesium-134	U	0.0114	+/-0.0198	0.0179	+/-0.0194	0.0383	pCi/g						
Cesium-137	U	0.0147	+/-0.0191	0.0176	+/-0.0187	0.0372	pCi/g						
Cobalt-60	U	0.0187	+/-0.0186	0.0177	+/-0.0183	0.0388	pCi/g						
Europium-152	U	0.0061	+/-0.0384	0.034	+/-0.0376	0.0717	pCi/g						
Europium-154	U	0.00676	+/-0.0542	0.0471	+/-0.0531	0.103	pCi/g						
Europium-155	U	0.0165	+/-0.045	0.0281	+/-0.0441	0.0586	pCi/g						
Lead-212		0.381	+/-0.0526	0.0189	+/-0.0515	0.0395	pCi/g						
Lead-214		0.477	+/-0.0773	0.0239	+/-0.0758	0.0505	pCi/g						
Manganese-54	U	0.00584	+/-0.0187	0.0164	+/-0.0184	0.0354	pCi/g						
Niobium-94	U	-0.00187	+/-0.0154	0.0133	+/-0.0151	0.0284	pCi/g						
Potassium-40		6.19	+/-0.783	0.161	+/-0.767	0.354	pCi/g						
Radium-226		0.429	+/-0.0885	0.0282	+/-0.0867	0.0598	pCi/g						
Silver-108m	U	-0.0146	+/-0.0146	0.0115	+/-0.0143	0.0244	pCi/g						
Thallium-208		0.141	+/-0.0376	0.0164	+/-0.0369	0.0348	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0058	+/-0.0048	0.0044	+/-0.005	0.0091	pCi/g		HOB1	04/03/04	1931	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	2.26	+/-1.47	1.16	+/-1.48	2.31	pCi/g		CTO1	04/04/04	1042	320767	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1549	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-183-C-1C-01
Sample ID: 109720029

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	103	(25%-125%)

Notes:
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B Target analyte was detected in the sample as well as the associated blank.
BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-183-C-1C-02	Project:	YANK00204
Sample ID:	109720030	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	13-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.498	+/-0.126	0.0315	+/-0.123	0.0669	pCi/g		SRB	04/06/04	0953	320976	1
Americium-241	U	-0.036	+/-0.0657	0.059	+/-0.0644	0.121	pCi/g						
Bismuth-212		0.402	+/-0.150	0.0704	+/-0.147	0.148	pCi/g						
Bismuth-214		0.424	+/-0.0749	0.0183	+/-0.0734	0.0381	pCi/g						
Cesium-134	U UI	0.00	+/-0.0139	0.0118	+/-0.0136	0.0247	pCi/g						
Cesium-137		0.0358	+/-0.0284	0.00941	+/-0.0278	0.0198	pCi/g						
Cobalt-60		0.0706	+/-0.0189	0.0094	+/-0.0185	0.0202	pCi/g						
Europium-152	U	0.000529	+/-0.0316	0.0275	+/-0.031	0.057	pCi/g						
Europium-154	U	-0.011	+/-0.0339	0.028	+/-0.0333	0.060	pCi/g						
Europium-155	U	0.0227	+/-0.0405	0.0365	+/-0.0397	0.0749	pCi/g						
Lead-212		0.442	+/-0.0506	0.016	+/-0.0495	0.033	pCi/g						
Lead-214		0.536	+/-0.0711	0.0193	+/-0.0696	0.0401	pCi/g						
Manganese-54	U	0.008	+/-0.0141	0.0109	+/-0.0138	0.0228	pCi/g						
Niobium-94	U	0.00914	+/-0.0096	0.00895	+/-0.00941	0.0187	pCi/g						
Potassium-40		7.09	+/-0.672	0.0904	+/-0.659	0.195	pCi/g						
Radium-226		0.424	+/-0.0749	0.0183	+/-0.0734	0.0381	pCi/g						
Silver-108m	U	0.00421	+/-0.00991	0.00865	+/-0.00971	0.0181	pCi/g						
Thallium-208		0.144	+/-0.0294	0.00952	+/-0.0288	0.020	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0027	+/-0.0035	0.0033	+/-0.0036	0.0068	pCi/g		HOB1	04/05/04	1556	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		7.54	+/-1.72	1.20	+/-1.79	2.40	pCi/g		CTO1	04/04/04	1114	320767	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1549	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-183-C-1C-02
Sample ID: 109720030

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	108	(25%-125%)

Notes:
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BD Flag for results below the MDC or a flag for low tracer recovery.
E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-183-C-5C-01
Sample ID: 109720031
Matrix: Misc Solid
Collect Date: 18-FEB-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	Mtd.
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid-GAM2												
Actinium-228		0.415	+/-0.109	0.0323	+/-0.107	0.0685	pCi/g		SRB 04/06/04	0954	320976	1
Americium-241	U	-0.0097	+/-0.0381	0.0324	+/-0.0373	0.0668	pCi/g					
Bismuth-212		0.182	+/-0.141	0.0709	+/-0.138	0.150	pCi/g					
Bismuth-214		0.383	+/-0.0644	0.0176	+/-0.0631	0.0368	pCi/g					
Cesium-134	U UI	0.00	+/-0.0179	0.0115	+/-0.0175	0.0242	pCi/g					
Cesium-137		0.0264	+/-0.0202	0.00957	+/-0.0198	0.0201	pCi/g					
Cobalt-60	U UI	0.00	+/-0.0183	0.00918	+/-0.0179	0.0198	pCi/g					
Europium-152	U	0.00114	+/-0.035	0.0271	+/-0.0343	0.0562	pCi/g					
Europium-154	U	-0.0156	+/-0.0362	0.0294	+/-0.0355	0.0626	pCi/g					
Europium-155	U	0.014	+/-0.033	0.0306	+/-0.0324	0.063	pCi/g					
Lead-212		0.385	+/-0.0451	0.016	+/-0.0442	0.033	pCi/g					
Lead-214		0.446	+/-0.060	0.0183	+/-0.0588	0.0379	pCi/g					
Manganese-54	U	-0.00215	+/-0.0116	0.00966	+/-0.0114	0.0204	pCi/g					
Niobium-94	U	-0.004	+/-0.00969	0.00813	+/-0.0095	0.0171	pCi/g					
Potassium-40		7.70	+/-0.709	0.0857	+/-0.695	0.185	pCi/g					
Radium-226		0.383	+/-0.0644	0.0176	+/-0.0631	0.0368	pCi/g					
Silver-108m	U	-0.00066	+/-0.0096	0.00821	+/-0.0094	0.0172	pCi/g					
Thallium-208		0.110	+/-0.0263	0.0099	+/-0.0258	0.0207	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid-HTD2												
Strontium-90	U	0.0044	+/-0.0046	0.0042	+/-0.0047	0.0087	pCi/g		HOB1 04/05/04	1556	320928	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid-HTD2												
Tritium		5.29	+/-1.71	1.26	+/-1.75	2.52	pCi/g		CTO1 04/04/04	1146	320767	3
Solid Preparation												
Laboratory Composite												

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1549	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-183-C-5C-01
Sample ID: 109720031

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	82	(25%-125%)

Notes:
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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-183-C-6C-01
Sample ID: 109720032
Matrix: Misc Solid
Collect Date: 19-FEB-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.445	+/-0.140	0.046	+/-0.137	0.0995	pCi/g		SRB	04/06/04	0955	320976	1
Americium-241	U	0.0199	+/-0.0402	0.0333	+/-0.0394	0.0682	pCi/g						
Bismuth-212		0.413	+/-0.252	0.117	+/-0.247	0.248	pCi/g						
Bismuth-214		0.478	+/-0.0975	0.0278	+/-0.0955	0.0588	pCi/g						
Cesium-134	U UI	0.00	+/-0.0421	0.0201	+/-0.0412	0.0424	pCi/g						
Cesium-137	U	0.0323	+/-0.0377	0.017	+/-0.0369	0.0359	pCi/g						
Cobalt-60	U	-0.00221	+/-0.021	0.0171	+/-0.0206	0.0371	pCi/g						
Europium-152	U	0.00338	+/-0.0457	0.0402	+/-0.0448	0.0835	pCi/g						
Europium-154	U	0.0122	+/-0.0885	0.0528	+/-0.0867	0.113	pCi/g						
Europium-155	U	0.051	+/-0.048	0.0437	+/-0.0471	0.0894	pCi/g						
Lead-212		0.354	+/-0.057	0.0229	+/-0.0559	0.0472	pCi/g						
Lead-214		0.508	+/-0.0845	0.0289	+/-0.0828	0.0601	pCi/g						
Manganese-54	U	-0.000337	+/-0.0201	0.0173	+/-0.0197	0.0368	pCi/g						
Niobium-94	U	-0.000271	+/-0.0165	0.0137	+/-0.0162	0.029	pCi/g						
Potassium-40		7.29	+/-0.796	0.128	+/-0.780	0.285	pCi/g						
Radium-226		0.478	+/-0.0975	0.0278	+/-0.0955	0.0588	pCi/g						
Silver-108m	U	-0.0055	+/-0.0156	0.0132	+/-0.0153	0.0276	pCi/g						
Thallium-208		0.124	+/-0.044	0.0163	+/-0.0431	0.0344	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.005	+/-0.0051	0.0047	+/-0.0053	0.0098	pCi/g		HOB1	04/05/04	1556	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	0.391	+/-1.49	1.24	+/-1.49	2.48	pCi/g		CTO1	04/04/04	1218	320767	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1550	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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Certificate of Analysis

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-183-C-6C-01
Sample ID: 109720032

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	73	(25%-125%)

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

< Result is less than amount reported.
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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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Reviewed by

GENERAL ENGINEERING LABORATORIES, LLC

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

Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-183-C-9C-01	Project:	YANK00204
Sample ID:	109720033	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	19-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.439	+/-0.113	0.0422	+/-0.111	0.0901	pCi/g		SRB	04/06/04	1014	320976	1
Americium-241	U	-0.0256	+/-0.0579	0.0488	+/-0.0567	0.101	pCi/g						
Bismuth-212		0.289	+/-0.158	0.0908	+/-0.155	0.193	pCi/g						
Bismuth-214		0.448	+/-0.0709	0.0223	+/-0.0695	0.0469	pCi/g						
Cesium-134	U UI	0.00	+/-0.0274	0.0139	+/-0.0268	0.0295	pCi/g						
Cesium-137	U	0.00961	+/-0.0181	0.0124	+/-0.0177	0.0261	pCi/g						
Cobalt-60	U	-0.00184	+/-0.014	0.0117	+/-0.0137	0.0257	pCi/g						
Europium-152	U	0.00597	+/-0.0362	0.0326	+/-0.0355	0.0679	pCi/g						
Europium-154	U	0.0222	+/-0.0281	0.0346	+/-0.0276	0.0754	pCi/g						
Europium-155	U	0.0209	+/-0.0376	0.0354	+/-0.0368	0.0728	pCi/g						
Lead-212		0.381	+/-0.0497	0.0178	+/-0.0487	0.037	pCi/g						
Lead-214		0.504	+/-0.0775	0.022	+/-0.076	0.0459	pCi/g						
Manganese-54	U	-0.00181	+/-0.0146	0.0124	+/-0.0143	0.0264	pCi/g						
Niobium-94	U	0.00556	+/-0.0117	0.0106	+/-0.0114	0.0224	pCi/g						
Potassium-40		7.57	+/-0.772	0.0972	+/-0.757	0.217	pCi/g						
Radium-226		0.448	+/-0.0709	0.0223	+/-0.0695	0.0469	pCi/g						
Silver-108m	U	-0.00161	+/-0.0115	0.00993	+/-0.0113	0.0209	pCi/g						
Thallium-208		0.134	+/-0.0281	0.0115	+/-0.0275	0.0243	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0048	+/-0.0048	0.0045	+/-0.005	0.0092	pCi/g		HOB1	04/05/04	1556	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	1.54	+/-1.31	1.05	+/-1.31	2.09	pCi/g		CTO1	04/04/04	1250	320767	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1550	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-183-C-9C-01
Sample ID: 109720033

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	84	(25%-125%)

Notes:
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H Analytical holding time exceeded.
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P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-183-C-9C-02
Sample ID: 109720034
Matrix: Misc Solid
Collect Date: 19-FEB-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.563	+/-0.156	0.0478	+/-0.153	0.104	pCi/g		SRB	04/06/04	1015	320976	1
Americium-241	U	0.0302	+/-0.0801	0.0662	+/-0.0785	0.137	pCi/g						
Bismuth-212		0.354	+/-0.233	0.113	+/-0.228	0.241	pCi/g						
Bismuth-214		0.513	+/-0.0938	0.0272	+/-0.092	0.0576	pCi/g						
Cesium-134	U UI	0.00	+/-0.030	0.0212	+/-0.0294	0.0448	pCi/g						
Cesium-137		0.229	+/-0.0362	0.0134	+/-0.0354	0.0286	pCi/g						
Cobalt-60	U	0.0108	+/-0.0177	0.016	+/-0.0174	0.0353	pCi/g						
Europium-152	U	-0.000498	+/-0.0495	0.0422	+/-0.0486	0.0881	pCi/g						
Europium-154	U	-0.0137	+/-0.0527	0.0433	+/-0.0517	0.0951	pCi/g						
Europium-155	U	-0.00137	+/-0.0468	0.0437	+/-0.0458	0.0903	pCi/g						
Lead-212		0.427	+/-0.0614	0.0251	+/-0.0601	0.052	pCi/g						
Lead-214		0.623	+/-0.100	0.0289	+/-0.0983	0.0604	pCi/g						
Manganese-54	U	-0.00931	+/-0.0174	0.0138	+/-0.0171	0.0299	pCi/g						
Niobium-94	U	0.00742	+/-0.0154	0.0136	+/-0.0151	0.029	pCi/g						
Potassium-40		7.42	+/-0.856	0.124	+/-0.839	0.279	pCi/g						
Radium-226		0.513	+/-0.0938	0.0272	+/-0.092	0.0576	pCi/g						
Silver-108m	U	0.00208	+/-0.0161	0.0135	+/-0.0158	0.0285	pCi/g						
Thallium-208		0.144	+/-0.0402	0.0138	+/-0.0394	0.0295	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr-90, solid-HTD2													
Strontium-90		0.0291	+/-0.0061	0.0051	+/-0.010	0.0104	pCi/g		HOB1	04/06/04	0329	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	1.11	+/-1.41	1.14	+/-1.41	2.28	pCi/g		CTO1	04/04/04	1322	320767	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1550	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-183-C-9C-02
Sample ID: 109720034

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	82	(25%-125%)

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Y QC Samples were not spiked with this compound.
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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-184-C-1C-01	Project:	YANK00204
Sample ID:	109720035	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	13-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.401	+/-0.101	0.0374	+/-0.0986	0.0811	pCi/g		SRB	04/06/04	1209	320976	1
Americium-241	U	0.0122	+/-0.0533	0.0499	+/-0.0523	0.103	pCi/g						
Bismuth-212		0.220	+/-0.222	0.0887	+/-0.218	0.190	pCi/g						
Bismuth-214		0.333	+/-0.0719	0.0231	+/-0.0705	0.0488	pCi/g						
Cesium-134	U	0.0268	+/-0.0218	0.0158	+/-0.0214	0.0335	pCi/g						
Cesium-137		0.058	+/-0.0206	0.0122	+/-0.0202	0.026	pCi/g						
Cobalt-60		0.137	+/-0.0332	0.0116	+/-0.0325	0.0256	pCi/g						
Europium-152	U	-0.039	+/-0.0373	0.0312	+/-0.0366	0.0654	pCi/g						
Europium-154	U	-0.00799	+/-0.0442	0.0362	+/-0.0433	0.0791	pCi/g						
Europium-155	U	0.0185	+/-0.0441	0.0377	+/-0.0432	0.0776	pCi/g						
Lead-212		0.395	+/-0.050	0.019	+/-0.049	0.0394	pCi/g						
Lead-214		0.432	+/-0.0733	0.0227	+/-0.0718	0.0476	pCi/g						
Manganese-54	U	0.0148	+/-0.0158	0.0146	+/-0.0155	0.0311	pCi/g						
Niobium-94	U	-0.0136	+/-0.0136	0.0104	+/-0.0133	0.0222	pCi/g						
Potassium-40		7.38	+/-0.766	0.105	+/-0.751	0.234	pCi/g						
Radium-226		0.333	+/-0.0719	0.0231	+/-0.0705	0.0488	pCi/g						
Silver-108m	U	-0.00417	+/-0.0122	0.0104	+/-0.012	0.022	pCi/g						
Thallium-208		0.140	+/-0.035	0.0125	+/-0.0343	0.0265	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0006	+/-0.0039	0.0037	+/-0.0039	0.0077	pCi/g		HOB1	04/06/04	0329	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		6.28	+/-1.60	1.14	+/-1.64	2.28	pCi/g		CTO1	04/04/04	1354	320767	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1550	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-184-C-1C-01
Sample ID: 109720035

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	100	(25%-125%)

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UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-184-C-1C-02	Project:	YANK00204
Sample ID:	109720036	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	13-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.407	+/-0.112	0.0433	+/-0.110	0.093	pCi/g		SRB	04/06/04	1317	320976	1
Americium-241	U	-0.0414	+/-0.0597	0.0512	+/-0.0585	0.106	pCi/g						
Bismuth-212		0.307	+/-0.195	0.0871	+/-0.191	0.187	pCi/g						
Bismuth-214		0.458	+/-0.0813	0.0225	+/-0.0797	0.0476	pCi/g						
Cesium-134	U	0.0281	+/-0.0194	0.0151	+/-0.0191	0.032	pCi/g						
Cesium-137		0.0635	+/-0.033	0.0117	+/-0.0324	0.0249	pCi/g						
Cobalt-60		0.077	+/-0.0291	0.013	+/-0.0285	0.0285	pCi/g						
Europium-152	U	0.0156	+/-0.0321	0.0302	+/-0.0314	0.0634	pCi/g						
Europium-154	U	-0.0118	+/-0.0459	0.0374	+/-0.045	0.0815	pCi/g						
Europium-155	U	0.0185	+/-0.0363	0.0352	+/-0.0356	0.0726	pCi/g						
Lead-212		0.362	+/-0.0458	0.0172	+/-0.0449	0.0357	pCi/g						
Lead-214		0.519	+/-0.0762	0.0209	+/-0.0746	0.0439	pCi/g						
Manganese-54	U	-0.00304	+/-0.0141	0.0122	+/-0.0138	0.0262	pCi/g						
Niobium-94	U	0.00	+/-0.0257	0.011	+/-0.0252	0.0235	pCi/g						
	UI												
Potassium-40		7.32	+/-0.737	0.129	+/-0.722	0.282	pCi/g						
Radium-226		0.458	+/-0.0813	0.0225	+/-0.0797	0.0476	pCi/g						
Silver-108m	U	0.00811	+/-0.0116	0.0109	+/-0.0114	0.0229	pCi/g						
Thallium-208		0.0989	+/-0.0316	0.0123	+/-0.031	0.026	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.0052	+/-0.0048	0.0045	+/-0.005	0.0092	pCi/g		HOB1	04/06/04	0329	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		3.10	+/-1.45	1.11	+/-1.46	2.23	pCi/g		CTO1	04/04/04	1426	320767	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1550	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-184-C-1C-02
Sample ID: 109720036

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	78	(25%-125%)

Notes:
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UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

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Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-184-C-3C-01	Project:	YANK00204
Sample ID:	109720037	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	19-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.572	+/-0.143	0.0445	+/-0.140	0.0969	pCi/g		SRB	04/06/04	1406	320976	1
Americium-241	U	0.0452	+/-0.0583	0.0556	+/-0.0571	0.115	pCi/g						
Bismuth-212		0.321	+/-0.252	0.096	+/-0.247	0.208	pCi/g						
Bismuth-214		0.367	+/-0.0717	0.0239	+/-0.0702	0.051	pCi/g						
Cesium-134	U	0.0144	+/-0.0249	0.0173	+/-0.0244	0.037	pCi/g						
Cesium-137		0.0295	+/-0.0176	0.013	+/-0.0173	0.0279	pCi/g						
Cobalt-60	U	0.020	+/-0.0196	0.0146	+/-0.0192	0.0323	pCi/g						
Europium-152	U	0.00203	+/-0.0402	0.0338	+/-0.0394	0.0711	pCi/g						
Europium-154	U	0.000677	+/-0.0563	0.0396	+/-0.0552	0.0878	pCi/g						
Europium-155	U	0.0446	+/-0.0578	0.0361	+/-0.0567	0.0749	pCi/g						
Lead-212		0.451	+/-0.0562	0.0195	+/-0.055	0.0406	pCi/g						
Lead-214		0.372	+/-0.0752	0.023	+/-0.0737	0.0486	pCi/g						
Manganese-54	U	0.0121	+/-0.0168	0.015	+/-0.0165	0.0323	pCi/g						
Niobium-94	U	0.0019	+/-0.0147	0.0127	+/-0.0145	0.0271	pCi/g						
Potassium-40		8.92	+/-0.899	0.109	+/-0.881	0.249	pCi/g						
Radium-226		0.367	+/-0.0717	0.0239	+/-0.0702	0.051	pCi/g						
Silver-108m	U	-0.00174	+/-0.0136	0.011	+/-0.0133	0.0234	pCi/g						
Thallium-208		0.150	+/-0.0365	0.0133	+/-0.0357	0.0283	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	0.009	+/-0.0053	0.0048	+/-0.0059	0.0099	pCi/g		HOB1	04/06/04	0329	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium		13.0	+/-2.00	1.28	+/-2.20	2.56	pCi/g		CTO1	04/04/04	1458	320767	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1550	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
Address : Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-184-C-3C-01
Sample ID: 109720037
Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	75	(25%-125%)

Notes:
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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID:	3100-0000-184-C-5C-01	Project:	YANK00204
Sample ID:	109720038	Client ID:	YANK001
Matrix:	Misc Solid		
Collect Date:	19-FEB-04		
Receive Date:	26-MAR-04		
Collector:	Client		
Moisture:			

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.430	+/-0.113	0.0391	+/-0.110	0.0846	pCi/g		SRB	04/06/04	1406	320976	1
Americium-241	U	0.0474	+/-0.077	0.0712	+/-0.0755	0.148	pCi/g						
Bismuth-212		0.327	+/-0.159	0.0799	+/-0.155	0.172	pCi/g						
Bismuth-214		0.390	+/-0.0735	0.0204	+/-0.072	0.0435	pCi/g						
Cesium-134	U UI	0.00	+/-0.0359	0.0151	+/-0.0352	0.032	pCi/g						
Cesium-137		0.0324	+/-0.0253	0.0124	+/-0.0248	0.0264	pCi/g						
Cobalt-60	U	0.0058	+/-0.0159	0.014	+/-0.0156	0.0305	pCi/g						
Europium-152	U	-0.00961	+/-0.0375	0.0318	+/-0.0367	0.0666	pCi/g						
Europium-154	U	0.0102	+/-0.0401	0.035	+/-0.0393	0.0768	pCi/g						
Europium-155	U	0.0219	+/-0.0389	0.0379	+/-0.0381	0.0783	pCi/g						
Lead-212		0.424	+/-0.0575	0.0192	+/-0.0563	0.040	pCi/g						
Lead-214		0.447	+/-0.0736	0.0214	+/-0.0721	0.045	pCi/g						
Manganese-54	U	0.0058	+/-0.0136	0.0119	+/-0.0133	0.0257	pCi/g						
Niobium-94	U	-0.000362	+/-0.0116	0.00992	+/-0.0113	0.0212	pCi/g						
Potassium-40		7.79	+/-0.806	0.0747	+/-0.790	0.174	pCi/g						
Radium-226		0.390	+/-0.0735	0.0204	+/-0.072	0.0435	pCi/g						
Silver-108m	U	0.000293	+/-0.0106	0.0096	+/-0.0104	0.0204	pCi/g						
Thallium-208		0.148	+/-0.0345	0.011	+/-0.0338	0.0235	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90		0.0118	+/-0.0061	0.0055	+/-0.007	0.0113	pCi/g		HOB1	04/06/04	0346	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	2.08	+/-1.51	1.20	+/-1.52	2.39	pCi/g		CTO1	04/04/04	1530	320767	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1550	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-184-C-5C-01
Sample ID: 109720038
Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	78	(25%-125%)

Notes:
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H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-184-C-8C-01
Sample ID: 109720039
Matrix: Misc Solid
Collect Date: 20-FEB-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gamma Spec Analysis													
Gammaspec, Gamma, Solid-GAM2													
Actinium-228		0.500	+/-0.136	0.0363	+/-0.133	0.0796	pCi/g		SRB	04/06/04	1407	320976	1
Americium-241	U	0.0526	+/-0.0603	0.0546	+/-0.0591	0.113	pCi/g						
Bismuth-212		0.386	+/-0.175	0.0811	+/-0.171	0.176	pCi/g						
Bismuth-214		0.459	+/-0.0699	0.0214	+/-0.0686	0.0458	pCi/g						
Cesium-134	U UI	0.00	+/-0.0285	0.012	+/-0.0279	0.0261	pCi/g						
Cesium-137	U	0.0167	+/-0.0165	0.0124	+/-0.0162	0.0265	pCi/g						
Cobalt-60	U	0.00538	+/-0.0173	0.015	+/-0.0169	0.0327	pCi/g						
Europium-152	U	-0.0322	+/-0.0381	0.0301	+/-0.0373	0.0636	pCi/g						
Europium-154	U	0.0379	+/-0.0476	0.0434	+/-0.0467	0.0941	pCi/g						
Europium-155	U	0.00975	+/-0.0387	0.0363	+/-0.038	0.0751	pCi/g						
Lead-212		0.512	+/-0.0641	0.0202	+/-0.0628	0.0419	pCi/g						
Lead-214		0.513	+/-0.0801	0.0233	+/-0.0785	0.0489	pCi/g						
Manganese-54	U	-0.000556	+/-0.0153	0.0127	+/-0.015	0.0274	pCi/g						
Niobium-94	U	0.00613	+/-0.0129	0.0114	+/-0.0127	0.0243	pCi/g						
Potassium-40		6.85	+/-0.806	0.119	+/-0.790	0.265	pCi/g						
Radium-226		0.459	+/-0.0699	0.0214	+/-0.0686	0.0458	pCi/g						
Silver-108m	U	-0.00205	+/-0.0125	0.011	+/-0.0123	0.0233	pCi/g						
Thallium-208		0.180	+/-0.0366	0.0122	+/-0.0358	0.0261	pCi/g						
Rad Gas Flow Proportional Counting													
GFPC, Sr90, solid-HTD2													
Strontium-90	U	-0.0034	+/-0.0053	0.0053	+/-0.0054	0.0108	pCi/g		HOB1	04/06/04	0346	320928	2
Rad Liquid Scintillation Analysis													
LSC, Tritium Dist, Solid-HTD2													
Tritium	U	0.295	+/-1.36	1.13	+/-1.36	2.26	pCi/g		CTO1	04/04/04	1603	320767	3
Solid Preparation													
Laboratory Composite													

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1550	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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Certificate of Analysis

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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-184-C-8C-01
Sample ID: 109720039
Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	66	(25%-125%)

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E Concentration of the target analyte exceeds the instrument calibration range.
H Analytical holding time exceeded.
J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

The above sample is reported on a dry weight basis.
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362 Injun Hollow Road
East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-184-C-8C-02
Sample ID: 109720040
Matrix: Misc Solid
Collect Date: 20-FEB-04
Receive Date: 26-MAR-04
Collector: Client
Moisture:

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch	Mtd.
Rad Gamma Spec Analysis												
Gammaspec, Gamma, Solid-GAM2												
Actinium-228		0.474	+/-0.109	0.0307	+/-0.107	0.067	pCi/g		SRB 04/06/04	1407	320976	1
Americium-241	U	0.0355	+/-0.0792	0.0704	+/-0.0776	0.145	pCi/g					
Bismuth-212		0.303	+/-0.203	0.0832	+/-0.199	0.177	pCi/g					
Bismuth-214		0.466	+/-0.0712	0.0217	+/-0.0698	0.0457	pCi/g					
Cesium-134	U	0.0218	+/-0.0199	0.0141	+/-0.0195	0.0299	pCi/g					
Cesium-137		0.0221	+/-0.0176	0.00978	+/-0.0172	0.0209	pCi/g					
Cobalt-60	U	0.0106	+/-0.0161	0.0129	+/-0.0157	0.0281	pCi/g					
Europium-152	U	0.00616	+/-0.0329	0.0303	+/-0.0322	0.0633	pCi/g					
Europium-154	U	0.042	+/-0.0433	0.0363	+/-0.0424	0.0786	pCi/g					
Europium-155	U	0.0137	+/-0.0365	0.0346	+/-0.0357	0.0714	pCi/g					
Lead-212		0.424	+/-0.0531	0.018	+/-0.052	0.0373	pCi/g					
Lead-214		0.628	+/-0.082	0.0204	+/-0.0803	0.0426	pCi/g					
Manganese-54	U	0.00716	+/-0.016	0.0104	+/-0.0157	0.0223	pCi/g					
Niobium-94	U	0.000893	+/-0.0127	0.00953	+/-0.0124	0.0203	pCi/g					
Potassium-40		7.79	+/-0.813	0.103	+/-0.796	0.228	pCi/g					
Radium-226		0.466	+/-0.0712	0.0217	+/-0.0698	0.0457	pCi/g					
Silver-108m	U	0.00938	+/-0.0105	0.00992	+/-0.0103	0.0209	pCi/g					
Thallium-208		0.143	+/-0.0293	0.0105	+/-0.0287	0.0223	pCi/g					
Rad Gas Flow Proportional Counting												
GFPC, Sr90, solid-HTD2												
Strontium-90	U	0.0053	+/-0.0039	0.0035	+/-0.0041	0.0073	pCi/g		HOB1 04/06/04	0346	320928	2
Rad Liquid Scintillation Analysis												
LSC, Tritium Dist, Solid-HTD2												
Tritium		24.1	+/-2.18	1.17	+/-2.67	2.33	pCi/g		CTO1 04/04/04	1635	320767	3
Solid Preparation												
Laboratory Composite												

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
Ash Soil Prep	Ash Soil Prep, GL-RAD-A-021B	AWB	03/30/04	1550	320551
Dry Soil Prep	Dry Soil Prep GL-RAD-A-021	BSW1	03/29/04	1221	320550
GL-RAD-A-026	Laboratory sample composite	BSW1	03/29/04	0940	320548

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Certificate of Analysis

Company : Connecticut Yankee Atomic Power
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East Hampton, Connecticut 06424
Contact: Mr. Pete Hollenbeck
Project: Concrete Cores PO# 002337

Report Date: April 8, 2004

Client Sample ID: 3100-0000-184-C-8C-02
Sample ID: 109720040

Project: YANK00204
Client ID: YANK001

Parameter	Qualifier	Result	Uncertainty	LC	TPU	MDA	Units	DF	AnalystDate	Time	Batch Mtd.

The following Analytical Methods were performed

Method	Description
1	EML HASL 300, 4.5.2.3
2	EPA 905.0 Modified
3	EPA 906.0 Modified
4	GL-RAD-A-026

Surrogate/Tracer recovery	Test	Recovery%	Acceptable Limits
Carrier/Tracer Recovery	GFPC, Sr90, solid-HTD2	86	(25%-125%)

Notes:
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J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
P The response between the confirmation column and the primary column is >40%D.
U Indicates the target analyte was analyzed for but not detected above the detection limit.
UI Uncertain identification for gamma spectroscopy.
X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.
Y QC Samples were not spiked with this compound.
h Sample preparation or preservation holding time exceeded.

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Reviewed by

QUALITY CONTROL DATA

GENERAL ENGINEERING LABORATORIES, LLC

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

QC Summary

Report Date: April 8, 2004

Client : Connecticut Yankee Atomic Power
Haddam Neck Plant
362 Injun Hollow Road
East Hampton, Connecticut

Contact: Mr. Pete Hollenbeck

Workorder: 109720

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Alpha Spec										
Batch 320681										
QC1200595828 109720009 DUP										
Americium-241	U	0.00612	U	0.00258	pCi/g	81		(0% - 100%)	JAS1	04/05/04 15:30
Uncert:		+/-0.00849		+/-0.0156						
TPU:		+/-0.00852		+/-0.0156						
Curium-242	U	0.00341	U	-0.00157	pCi/g	N/A		(0% - 100%)		
Uncert:		+/-0.00472		+/-0.00796						
TPU:		+/-0.00474		+/-0.00796						
Curium-243/244	U	-7.320E-10	U	-0.00709	pCi/g	N/A		(0% - 100%)		
Uncert:		+/-0.00737		+/-0.0195						
TPU:		+/-0.00737		+/-0.0195						
QC1200595830 LCS										
Americium-241	2.69			2.98	pCi/g		111	(75%-125%)		04/02/04 22:02
Uncert:				+/-0.190						
TPU:				+/-0.358						
Curium-242			U	-0.0016	pCi/g					
Uncert:				+/-0.00314						
TPU:				+/-0.00314						
Curium-243/244	3.48			3.88	pCi/g		111	(75%-125%)		
Uncert:				+/-0.217						
TPU:				+/-0.451						
QC1200595827 MB										
Americium-241			U	0.00734	pCi/g					04/02/04 22:38
Uncert:				+/-0.00863						
TPU:				+/-0.00867						
Curium-242			U	0.00	pCi/g					
Uncert:				+/-0.00583						
TPU:				+/-0.00583						
Curium-243/244			U	0.00	pCi/g					
Uncert:				+/-0.00407						
TPU:				+/-0.00407						
QC1200595829 109720009 MS										
Americium-241	4.47 U	0.00612		4.98	pCi/g		111	(75%-125%)		04/02/04 22:02
Uncert:		+/-0.00849		+/-0.325						
TPU:		+/-0.00852		+/-0.610						
Curium-242	U	0.00341	U	-0.00309	pCi/g					
Uncert:		+/-0.00472		+/-0.00605						
TPU:		+/-0.00474		+/-0.00606						
Curium-243/244	5.82 U	-7.320E-10		6.31	pCi/g		108	(75%-125%)		
Uncert:		+/-0.00737		+/-0.368						
TPU:		+/-0.00737		+/-0.750						
Batch 320682										
QC1200595836 109720009 DUP										
Plutonium-238	U	-0.00281	U	0.00539	pCi/g	N/A		(0% - 100%)	JAS1	04/02/04 22:03

QC Summary

Workorder: 109720

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Alpha Spec										
Batch 320682										
	Uncert:	+/-0.00767		+/-0.0137						
	TPU:	+/-0.00768		+/-0.0137						
Plutonium-239/240	U	0.00551	U	-2.730E-05	pCi/g	N/A		(0% - 100%)		
	Uncert:	+/-0.00763		+/-0.00659						
	TPU:	+/-0.00764		+/-0.00659						
QC1200595838 LCS										
Plutonium-238			U	0.00864	pCi/g			(75%-125%)		
	Uncert:			+/-0.010						
	TPU:			+/-0.010						
Plutonium-239/240	2.26			2.02	pCi/g		89	(75%-125%)		
	Uncert:			+/-0.139						
	TPU:			+/-0.206						
QC1200595835 MB										
Plutonium-238			U	-0.00126	pCi/g					
	Uncert:			+/-0.00636						
	TPU:			+/-0.00636						
Plutonium-239/240			U	0.00118	pCi/g					
	Uncert:			+/-0.00796						
	TPU:			+/-0.00796						
QC1200595837 109720009 MS										
Plutonium-238	U	-0.00281	U	-0.00244	pCi/g			(75%-125%)		
	Uncert:	+/-0.00767		+/-0.0241						
	TPU:	+/-0.00768		+/-0.0241						
Plutonium-239/240	3.77 U	0.00551		3.95	pCi/g		105	(75%-125%)		
	Uncert:	+/-0.00763		+/-0.258						
	TPU:	+/-0.00764		+/-0.399						
Batch 320686										
QC1200595850 109720009 DUP										
Plutonium-241	U	-1.51	U	-0.961	pCi/g	N/A		(0% - 100%)	JAS1	04/05/04 20:00
	Uncert:	+/-2.38		+/-2.18						
	TPU:	+/-2.39		+/-2.18						
QC1200595852 LCS										
Plutonium-241	71.8			63.8	pCi/g		89	(75%-125%)		04/05/04 22:06
	Uncert:			+/-3.76						
	TPU:			+/-6.73						
QC1200595849 MB										
Plutonium-241			U	-0.623	pCi/g					04/05/04 18:57
	Uncert:			+/-2.55						
	TPU:			+/-2.55						
QC1200595851 109720009 MS										
Plutonium-241	135 U	-1.51		103	pCi/g		77	(75%-125%)		04/05/04 21:03
	Uncert:	+/-2.38		+/-6.54						
	TPU:	+/-2.39		+/-10.8						
Rad Gamma Spec										
Batch 320976										
QC1200596564 109720021 DUP										
Actinium-228		0.552		0.405	pCi/g	31		(0% - 100%)	SRB	04/06/04 14:09
	Uncert:	+/-0.148		+/-0.175						
				+/-0.171						

QC Summary

Workorder: 109720

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 320976											
	TPU:	+/-0.145									
Americium-241	U	0.00209	U	0.0282	pCi/g	172		(0% - 100%)			
	Uncert:	+/-0.0566		+/-0.0281							
	TPU:	+/-0.0554		+/-0.0276							
Bismuth-212	U	0.218		0.351	pCi/g	47		(0% - 100%)			
	Uncert:	+/-0.214		+/-0.252							
	TPU:	+/-0.210		+/-0.247							
Bismuth-214		0.435		0.574	pCi/g	28		(0% - 100%)			
	Uncert:	+/-0.0833		+/-0.104							
	TPU:	+/-0.0816		+/-0.102							
Cesium-134	U	0.0374	U	0.0147	pCi/g	87		(0% - 100%)			
	Uncert:	+/-0.0292		+/-0.0256							
	TPU:	+/-0.0286		+/-0.0251							
Cesium-137	U	0.00863	U	0.00119	pCi/g	152		(0% - 100%)			
	Uncert:	+/-0.0177		+/-0.023							
	TPU:	+/-0.0174		+/-0.0225							
Cobalt-60		0.0612		0.0543	pCi/g	12		(0% - 100%)			
	Uncert:	+/-0.0389		+/-0.035							
	TPU:	+/-0.0381		+/-0.0343							
Europium-152	U	-0.0187	U	0.00854	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0405		+/-0.0533							
	TPU:	+/-0.0397		+/-0.0522							
Europium-154	U	0.0292	U	-0.0167	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0515		+/-0.0672							
	TPU:	+/-0.0505		+/-0.0658							
Europium-155	U	0.0441	U	0.0428	pCi/g	3		(0% - 100%)			
	Uncert:	+/-0.042		+/-0.0457							
	TPU:	+/-0.0411		+/-0.0448							
Lead-212		0.552		0.566	pCi/g	3		(0% - 20%)			
	Uncert:	+/-0.0597		+/-0.0743							
	TPU:	+/-0.0585		+/-0.0728							
Lead-214		0.485		0.476	pCi/g	2		(0% - 100%)			
	Uncert:	+/-0.0718		+/-0.0917							
	TPU:	+/-0.0703		+/-0.0898							
Manganese-54	U	0.0235	U	-0.00813	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0173		+/-0.0228							
	TPU:	+/-0.0169		+/-0.0223							
Niobium-94	U	0.0117	U	0.000195	pCi/g	193		(0% - 100%)			
	Uncert:	+/-0.0131		+/-0.0238							
	TPU:	+/-0.0128		+/-0.0233							
Potassium-40		7.98		8.57	pCi/g	7		(0% - 20%)			
	Uncert:	+/-0.848		+/-0.918							
	TPU:	+/-0.831		+/-0.899							
Radium-226		0.435		0.574	pCi/g	28		(0% - 100%)			
	Uncert:	+/-0.0833		+/-0.104							
	TPU:	+/-0.0816		+/-0.102							
Silver-108m	U	-0.00705	U	-0.0169	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.013		+/-0.0171							

QC Summary

Workorder: 109720

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 320976											
	TPU:	+/-0.0127		+/-0.0168							
Thallium-208		0.177		0.160	pCi/g	10		(0% - 100%)			
	Uncert:	+/-0.0384		+/-0.0472							
	TPU:	+/-0.0376		+/-0.0462							
QC1200596565 LCS											
Actinium-228			U	0.568	pCi/g					04/06/04	14:09
	Uncert:			+/-0.573							
	TPU:			+/-0.561							
Americium-241	22.4			22.9	pCi/g		102	(75%-125%)			
	Uncert:			+/-1.76							
	TPU:			+/-1.73							
Bismuth-212			U	0.483	pCi/g						
	Uncert:			+/-0.874							
	TPU:			+/-0.856							
Bismuth-214			U	0.0325	pCi/g						
	Uncert:			+/-0.202							
	TPU:			+/-0.198							
Cesium-134			U	-0.0201	pCi/g						
	Uncert:			+/-0.146							
	TPU:			+/-0.143							
Cesium-137	9.18			9.79	pCi/g		107	(75%-125%)			
	Uncert:			+/-0.961							
	TPU:			+/-0.942							
Cobalt-60	13.2			13.2	pCi/g		101	(75%-125%)			
	Uncert:			+/-1.03							
	TPU:			+/-1.01							
Europium-152			U	0.214	pCi/g						
	Uncert:			+/-0.261							
	TPU:			+/-0.256							
Europium-154			U	-0.099	pCi/g						
	Uncert:			+/-0.268							
	TPU:			+/-0.262							
Europium-155			U	0.249	pCi/g						
	Uncert:			+/-0.204							
	TPU:			+/-0.200							
Lead-212			U	0.176	pCi/g						
	Uncert:			+/-0.216							
	TPU:			+/-0.212							
Lead-214			U	0.191	pCi/g						
	Uncert:			+/-0.193							
	TPU:			+/-0.189							
Manganese-54			U	0.0396	pCi/g						
	Uncert:			+/-0.138							
	TPU:			+/-0.136							
Niobium-94			U	-0.0524	pCi/g						
	Uncert:			+/-0.114							
	TPU:			+/-0.112							
Potassium-40			U	-0.119	pCi/g						

QC Summary

Workorder: 109720

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 320976											
	Uncert:			+/-0.869							
	TPU:			+/-0.852							
Radium-226			U	0.0325	pCi/g			(75%-125%)			
	Uncert:			+/-0.202							
	TPU:			+/-0.198							
Silver-108m			U	0.0471	pCi/g						
	Uncert:			+/-0.110							
	TPU:			+/-0.108							
Thallium-208			U	-0.0373	pCi/g						
	Uncert:			+/-0.123							
	TPU:			+/-0.121							
QC1200596563 MB											
Actinium-228			U	0.0356	pCi/g					04/06/04	14:08
	Uncert:			+/-0.0554							
	TPU:			+/-0.0543							
Americium-241			U	0.0809	pCi/g						
	Uncert:			+/-0.0666							
	TPU:			+/-0.0653							
Bismuth-212			U	0.123	pCi/g						
	Uncert:			+/-0.125							
	TPU:			+/-0.123							
Bismuth-214			U	-0.00313	pCi/g						
	Uncert:			+/-0.0325							
	TPU:			+/-0.0318							
Cesium-134			U	0.00105	pCi/g						
	Uncert:			+/-0.0158							
	TPU:			+/-0.0155							
Cesium-137			U	0.00489	pCi/g						
	Uncert:			+/-0.0309							
	TPU:			+/-0.0303							
Cobalt-60			U	0.00587	pCi/g						
	Uncert:			+/-0.0163							
	TPU:			+/-0.016							
Europium-152			U	0.019	pCi/g						
	Uncert:			+/-0.0413							
	TPU:			+/-0.0405							
Europium-154			U	-0.0179	pCi/g						
	Uncert:			+/-0.0486							
	TPU:			+/-0.0477							
Europium-155			U	-0.00104	pCi/g						
	Uncert:			+/-0.033							
	TPU:			+/-0.0324							
Lead-212			U	0.0214	pCi/g						
	Uncert:			+/-0.0411							
	TPU:			+/-0.0402							
Lead-214			U	0.00876	pCi/g						
	Uncert:			+/-0.0266							
	TPU:			+/-0.0261							

QC Summary

Workorder: 109720

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 320976											
Manganese-54			U	0.00517	pCi/g						
	Uncert:			+/-0.0157							
	TPU:			+/-0.0153							
Niobium-94			U	-0.00434	pCi/g						
	Uncert:			+/-0.0138							
	TPU:			+/-0.0136							
Potassium-40			U	0.0636	pCi/g						
	Uncert:			+/-0.193							
	TPU:			+/-0.189							
Radium-226			U	-0.00313	pCi/g						
	Uncert:			+/-0.0325							
	TPU:			+/-0.0318							
Silver-108m			U	0.00377	pCi/g						
	Uncert:			+/-0.0132							
	TPU:			+/-0.013							
Thallium-208			U	0.00742	pCi/g						
	Uncert:			+/-0.0173							
	TPU:			+/-0.017							
Batch 320978											
QC1200596567 109720001 DUP											
Actinium-228	UUI	0.00	UUI	0.00	pCi/g	25		(0% - 100%)	SRB	04/08/04	11:00
	Uncert:	+/-0.368		+/-0.280							
	TPU:	+/-0.361		+/-0.274							
Americium-241	U	0.258		0.309	pCi/g	18		(0% - 100%)			
	Uncert:	+/-0.201		+/-0.114							
	TPU:	+/-0.197		+/-0.112							
Bismuth-212	U	0.370	U	0.0862	pCi/g	124		(0% - 100%)			
	Uncert:	+/-0.375		+/-0.278							
	TPU:	+/-0.368		+/-0.272							
Bismuth-214		0.466		0.585	pCi/g	23		(0% - 100%)			
	Uncert:	+/-0.107		+/-0.132							
	TPU:	+/-0.104		+/-0.129							
Cesium-134	U	0.015	U	0.0616	pCi/g	122		(0% - 100%)			
	Uncert:	+/-0.0519		+/-0.0441							
	TPU:	+/-0.0508		+/-0.0432							
Cesium-137		17.0		17.1	pCi/g	1		(0% - 100%)			
	Uncert:	+/-1.40		+/-1.74							
	TPU:	+/-1.38		+/-1.71							
Cobalt-60		23.1		22.7	pCi/g	2		(0% - 20%)			
	Uncert:	+/-1.64		+/-1.49							
	TPU:	+/-1.60		+/-1.46							
Europium-152	U	-0.00983	U	-0.0847	pCi/g	N/A		(0% - 100%)			
	Uncert:	+/-0.0981		+/-0.0913							
	TPU:	+/-0.0962		+/-0.0894							
Europium-154	U	0.0557	U	0.0626	pCi/g	12		(0% - 100%)			
	Uncert:	+/-0.107		+/-0.0798							
	TPU:	+/-0.105		+/-0.0782							
Europium-155	U	0.0144	U	0.0307	pCi/g	73		(0% - 100%)			

QC Summary

Workorder: 109720

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 320978										
	Uncert:	+/-0.0933		+/-0.0764						
	TPU:	+/-0.0915		+/-0.0749						
Lead-212		0.296		0.452	pCi/g	42*		(0% - 100%)		
	Uncert:	+/-0.0833		+/-0.078						
	TPU:	+/-0.0817		+/-0.0765						
Lead-214		0.745		0.764	pCi/g	2		(0% - 20%)		
	Uncert:	+/-0.144		+/-0.142						
	TPU:	+/-0.141		+/-0.139						
Manganese-54	U	0.0147	U	-0.00179	pCi/g	N/A		(0% - 100%)		
	Uncert:	+/-0.0427		+/-0.0416						
	TPU:	+/-0.0418		+/-0.0407						
Niobium-94	U	0.00516	U	0.0478	pCi/g	161		(0% - 100%)		
	Uncert:	+/-0.0316		+/-0.0312						
	TPU:	+/-0.031		+/-0.0305						
Potassium-40		7.28		7.13	pCi/g	2		(0% - 20%)		
	Uncert:	+/-0.762		+/-0.776						
	TPU:	+/-0.747		+/-0.760						
Radium-226		0.466		0.585	pCi/g	23		(0% - 100%)		
	Uncert:	+/-0.107		+/-0.132						
	TPU:	+/-0.104		+/-0.129						
Silver-108m	U	0.0108	U	-0.0171	pCi/g	N/A		(0% - 100%)		
	Uncert:	+/-0.0381		+/-0.0356						
	TPU:	+/-0.0374		+/-0.0349						
Thallium-208		0.114		0.148	pCi/g	26		(0% - 100%)		
	Uncert:	+/-0.0517		+/-0.0591						
	TPU:	+/-0.0507		+/-0.0579						
QC1200596568 LCS										
Actinium-228			U	0.250	pCi/g					04/07/04 08:53
	Uncert:			+/-0.553						
	TPU:			+/-0.542						
Americium-241	22.4			26.4	pCi/g		113	(75%-125%)		
	Uncert:			+/-4.01						
	TPU:			+/-3.93						
Bismuth-212			U	-0.686	pCi/g					
	Uncert:			+/-1.17						
	TPU:			+/-1.15						
Bismuth-214			U	0.193	pCi/g					
	Uncert:			+/-0.262						
	TPU:			+/-0.257						
Cesium-134			U	0.0636	pCi/g					
	Uncert:			+/-0.162						
	TPU:			+/-0.159						
Cesium-137	9.29			9.93	pCi/g		107	(75%-125%)		
	Uncert:			+/-0.853						
	TPU:			+/-0.836						
Cobalt-60	14.7			16.0	pCi/g		109	(75%-125%)		
	Uncert:			+/-1.35						
	TPU:			+/-1.32						

QC Summary

Workorder: 109720

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gamma Spec											
Batch 320978											
Europium-152			U	-0.153	pCi/g						
	Uncert:			+/-0.318							
	TPU:			+/-0.312							
Europium-154			U	0.0601	pCi/g						
	Uncert:			+/-0.396							
	TPU:			+/-0.388							
Europium-155			U	0.0643	pCi/g						
	Uncert:			+/-0.419							
	TPU:			+/-0.411							
Lead-212			U	-0.0479	pCi/g						
	Uncert:			+/-0.200							
	TPU:			+/-0.196							
Lead-214			U	-0.00192	pCi/g						
	Uncert:			+/-0.227							
	TPU:			+/-0.223							
Manganese-54			U	-0.0612	pCi/g						
	Uncert:			+/-0.180							
	TPU:			+/-0.176							
Niobium-94			U	0.0592	pCi/g						
	Uncert:			+/-0.136							
	TPU:			+/-0.134							
Potassium-40			U	0.546	pCi/g						
	Uncert:			+/-1.56							
	TPU:			+/-1.53							
Radium-226			U	0.193	pCi/g			(75%-125%)			
	Uncert:			+/-0.262							
	TPU:			+/-0.257							
Silver-108m			U	-0.04	pCi/g						
	Uncert:			+/-0.120							
	TPU:			+/-0.117							
Thallium-208			U	-0.023	pCi/g						
	Uncert:			+/-0.137							
	TPU:			+/-0.134							
QC1200596566 MB											
Actinium-228			U	0.0398	pCi/g					04/07/04	08:51
	Uncert:			+/-0.0995							
	TPU:			+/-0.0975							
Americium-241			U	-0.00167	pCi/g						
	Uncert:			+/-0.0465							
	TPU:			+/-0.0456							
Bismuth-212			U	-0.00953	pCi/g						
	Uncert:			+/-0.119							
	TPU:			+/-0.116							
Bismuth-214			U	0.0431	pCi/g						
	Uncert:			+/-0.0352							
	TPU:			+/-0.0345							
Cesium-134			U	0.0117	pCi/g						
	Uncert:			+/-0.0159							

QC Summary

Workorder: 109720

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gamma Spec										
Batch 320978										
	TPU:			+/-0.0156						
Cesium-137			U	0.00306	pCi/g					
	Uncert:			+/-0.0158						
	TPU:			+/-0.0155						
Cobalt-60			U	-0.00848	pCi/g					
	Uncert:			+/-0.0211						
	TPU:			+/-0.0206						
Europium-152			U	0.00271	pCi/g					
	Uncert:			+/-0.0404						
	TPU:			+/-0.0396						
Europium-154			U	0.041	pCi/g					
	Uncert:			+/-0.0539						
	TPU:			+/-0.0529						
Europium-155			U	-0.0152	pCi/g					
	Uncert:			+/-0.0437						
	TPU:			+/-0.0428						
Lead-212			U	0.00886	pCi/g					
	Uncert:			+/-0.0427						
	TPU:			+/-0.0418						
Lead-214			U	0.0107	pCi/g					
	Uncert:			+/-0.0446						
	TPU:			+/-0.0438						
Manganese-54			U	0.00791	pCi/g					
	Uncert:			+/-0.0159						
	TPU:			+/-0.0156						
Niobium-94			U	-0.0111	pCi/g					
	Uncert:			+/-0.0153						
	TPU:			+/-0.015						
Potassium-40			UUI	0.00	pCi/g					
	Uncert:			+/-0.202						
	TPU:			+/-0.198						
Radium-226			U	0.0431	pCi/g					
	Uncert:			+/-0.0352						
	TPU:			+/-0.0345						
Silver-108m			U	-0.000916	pCi/g					
	Uncert:			+/-0.0141						
	TPU:			+/-0.0139						
Thallium-208			UUI	0.00	pCi/g					
	Uncert:			+/-0.0489						
	TPU:			+/-0.0479						
Rad Gas Flow										
Batch 320713										
QC1200595894 109720011 DUP										
Strontium-90		0.0186		0.0089	pCi/g	71		(0% - 100%)	HOB1	04/06/04 05:54
	Uncert:	+/-0.003		+/-0.002						
	TPU:	+/-0.0054		+/-0.003						
QC1200595896 LCS										
Strontium-90	0.977			0.946	pCi/g		97	(75%-125%)		04/05/04 11:41

QC Summary

Workorder: 109720

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 320713										
	Uncert:			+/-0.0471						
	TPU:			+/-0.230						
QC1200595893 MB										
Strontium-90				0.0095	pCi/g					04/06/04 05:54
	Uncert:			+/-0.0019						
	TPU:			+/-0.0029						
QC1200595895 109720011 MS										
Strontium-90	2.46	0.0186		2.17	pCi/g		88	(75%-125%)		04/05/04 11:41
	Uncert:	+/-0.003		+/-0.111						
	TPU:	+/-0.0054		+/-0.500						
Batch 320928										
QC1200596401 109720021 DUP										
Strontium-90	U	-0.0004	U	0.0107	pCi/g	N/A		(0% - 100%)	HOB1	04/07/04 05:16
	Uncert:	+/-0.0065		+/-0.0073						
	TPU:	+/-0.0065		+/-0.0084						
QC1200596403 LCS										
Strontium-90	0.977			0.956	pCi/g		98	(75%-125%)		04/05/04 18:45
	Uncert:			+/-0.0472						
	TPU:			+/-0.222						
QC1200596400 MB										
Strontium-90			U	0.0012	pCi/g					04/06/04 04:39
	Uncert:			+/-0.004						
	TPU:			+/-0.004						
QC1200596402 109720021 MS										
Strontium-90	1.94 U	-0.0004		1.73	pCi/g		89	(75%-125%)		04/05/04 18:45
	Uncert:	+/-0.0065		+/-0.0954						
	TPU:	+/-0.0065		+/-0.398						
Rad Liquid Scintillation										
Batch 320767										
QC1200596052 109720031 DUP										
Tritium		5.29		4.71	pCi/g	12		(0% - 100%)	CTO1	04/05/04 13:40
	Uncert:	+/-1.71		+/-1.68						
	TPU:	+/-1.75		+/-1.71						
QC1200596054 LCS										
Tritium	16.4			16.0	pCi/g		98	(75%-125%)		04/04/04 18:42
	Uncert:			+/-1.93						
	TPU:			+/-2.18						
QC1200596051 MB										
Tritium			U	-0.122	pCi/g					04/04/04 17:06
	Uncert:			+/-1.42						
	TPU:			+/-1.42						
QC1200596053 109720031 MS										
Tritium	15.4	5.29		19.6	pCi/g		93	(75%-125%)		04/05/04 14:12
	Uncert:	+/-1.71		+/-2.15						
	TPU:	+/-1.75		+/-2.57						
Batch 321649										
QC1200598298 109720009 DUP										
Carbon-14	U	-0.0159	U	-0.0233	pCi/g	N/A		(0% - 100%)	CTO1	04/02/04 12:12

QC Summary

Workorder: 109720

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Liquid Scintillation										
Batch 321649										
	Uncert:	+/-0.281		+/-0.330						
	TPU:	+/-0.281		+/-0.330						
QC1200598300 LCS										
Carbon-14	22.2			22.0	pCi/g		99	(75%-125%)		04/02/04 14:17
	Uncert:			+/-0.808						
	TPU:			+/-0.880						
QC1200598297 MB										
Carbon-14			U	0.0242	pCi/g					04/02/04 11:10
	Uncert:			+/-0.287						
	TPU:			+/-0.287						
QC1200598299 109720009 MS										
Carbon-14	24.7 U	-0.0159		25.0	pCi/g		101	(75%-125%)		04/02/04 13:15
	Uncert:	+/-0.281		+/-0.932						
	TPU:	+/-0.281		+/-1.01						
Batch 322589										
QC1200600618 109720017 DUP										
Tritium		3.85		5.83	pCi/g	41		(0% - 100%)	CTO1	04/07/04 20:09
	Uncert:	+/-1.69		+/-1.67						
	TPU:	+/-1.72		+/-1.72						
QC1200600620 LCS										
Tritium	16.4			16.8	pCi/g		103	(75%-125%)		04/07/04 21:14
	Uncert:			+/-2.06						
	TPU:			+/-2.35						
QC1200600617 MB										
Tritium			U	0.267	pCi/g					04/07/04 19:37
	Uncert:			+/-1.47						
	TPU:			+/-1.47						
QC1200600619 109720017 MS										
Tritium	16.1	3.85		19.2	pCi/g		96	(75%-125%)		04/07/04 20:41
	Uncert:	+/-1.69		+/-2.18						
	TPU:	+/-1.72		+/-2.58						

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

- < Result is less than amount reported.
- > Result is greater than amount reported.
- B Target analyte was detected in the sample as well as the associated blank.
- BD Flag for results below the MDC or a flag for low tracer recovery.
- E Concentration of the target analyte exceeds the instrument calibration range.
- H Analytical holding time exceeded.
- J Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- P The response between the confirmation column and the primary column is >40%D.
- U Indicates the target analyte was analyzed for but not detected above the detection limit.
- UI Uncertain identification for gamma spectroscopy.
- X Lab-specific qualifier-please see case narrative, data summary package or contact your project manager for details.

QC Summary

Workorder: **109720**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

Y QC Samples were not spiked with this compound.

h Sample preparation or preservation holding time exceeded.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.
** Indicates analyte is a surrogate compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

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

3100-0000-176-C-1C-01	04-0934	109720001	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	17	1.4	PCI/G	0		29/03/2004	38079.07361	2:11	0.0641	PCI/G	0.0316	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	23.1	1.64	PCI/G	0		29/03/2004	38079.07361	2:11	0.0453	PCI/G	0.022	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.28	0.762	PCI/G	0		29/03/2004	38079.07361	2:11	0.354	PCI/G	0.17	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0147	0.0427	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.074	PCI/G	0.0365	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.015	0.0519	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.0768	PCI/G	0.0379	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.466	0.107	PCI/G	0		29/03/2004	38079.07361	2:11	0.118	PCI/G	0.058	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.368	PCI/G	0	UUI	29/03/2004	38079.07361	2:11	0.323	PCI/G	0.16	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0144	0.0933	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.169	PCI/G	0.0835	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.0108	0.0381	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.0664	PCI/G	0.0328	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.258	0.201	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.273	PCI/G	0.135	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00516	0.0316	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.0557	PCI/G	0.0275	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00983	0.0981	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.174	PCI/G	0.0858	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.466	0.107	PCI/G	0		29/03/2004	38079.07361	2:11	0.118	PCI/G	0.058	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.37	0.375	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.48	PCI/G	0.237	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.114	0.0517	PCI/G	0		29/03/2004	38079.07361	2:11	0.0619	PCI/G	0.0306	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.745	0.144	PCI/G	0		29/03/2004	38079.07361	2:11	0.122	PCI/G	0.0603	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.296	0.0833	PCI/G	0		29/03/2004	38079.07361	2:11	0.104	PCI/G	0.0514	PCI/G	1	3.9	PR
3100-0000-176-C-1C-01	04-0934	109720001	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0557	0.107	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.142	PCI/G	0.0694	PCI/G	1	3.9	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0554	0.0174	PCI/G	0		29/03/2004	38079.07361	2:11	0.0178	PCI/G	0.00847	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0203	0.018	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.0213	PCI/G	0.01	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.46	0.663	PCI/G	0		29/03/2004	38079.07361	2:11	0.175	PCI/G	0.0814	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00544	0.011	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.0191	PCI/G	0.00911	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.014	0.0172	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.0225	PCI/G	0.0107	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.536	0.0745	PCI/G	0		29/03/2004	38079.07361	2:11	0.036	PCI/G	0.0173	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.442	0.0969	PCI/G	0		29/03/2004	38079.07361	2:11	0.0656	PCI/G	0.0311	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.028	0.0332	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.0654	PCI/G	0.0319	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00449	0.00862	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.0162	PCI/G	0.00775	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0356	0.0346	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.0719	PCI/G	0.035	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00673	0.00904	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.0172	PCI/G	0.0082	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0154	0.0284	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.0538	PCI/G	0.026	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.536	0.0745	PCI/G	0		29/03/2004	38079.07361	2:11	0.036	PCI/G	0.0173	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.34	0.132	PCI/G	0		29/03/2004	38079.07361	2:11	0.114	PCI/G	0.0537	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.114	0.0235	PCI/G	0		29/03/2004	38079.07361	2:11	0.0174	PCI/G	0.00827	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.654	0.0728	PCI/G	0		29/03/2004	38079.07361	2:11	0.0352	PCI/G	0.017	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.4	0.0441	PCI/G	0		29/03/2004	38079.07361	2:11	0.035	PCI/G	0.0171	PCI/G	1	5.2	PR
3100-0000-176-C-1C-02	04-0934	109720002	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.000858	0.0316	PCI/G	0	U	29/03/2004	38079.07361	2:11	0.0571	PCI/G	0.0268	PCI/G	1	5.2	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	32.5	2.05	PCI/G	0		29/03/2004	38079.07361	2:16	0.0678	PCI/G	0.0331	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	6.43	0.435	PCI/G	0		29/03/2004	38079.07361	2:16	0.043	PCI/G	0.0202	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	9.53	1.01	PCI/G	0		29/03/2004	38079.07361	2:16	0.33	PCI/G	0.152	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00405	0.046	PCI/G	0	U	29/03/2004	38079.07361	2:16	0.0695	PCI/G	0.0338	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0893	0.0648	PCI/G	0		29/03/2004	38079.07361	2:16	0.0695	PCI/G	0.0338	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.394	0.123	PCI/G	0		29/03/2004	38079.07361	2:16	0.133	PCI/G	0.0652	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.289	0.227	PCI/G	0	U	29/03/2004	38079.07361	2:16	0.299	PCI/G	0.146	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.00232	0.0988	PCI/G	0	U	29/03/2004	38079.07361	2:16	0.178	PCI/G	0.088	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0282	0.0553	PCI/G	0	U	29/03/2004	38079.07361	2:16	0.0947	PCI/G	0.0468	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0318	0.144	PCI/G	0	U	29/03/2004	38079.07361	2:16	0.244	PCI/G	0.12	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00705	0.0276	PCI/G	0	U	29/03/2004	38079.07361	2:16	0.0492	PCI/G	0.0239	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0592	0.13	PCI/G	0	U	29/03/2004	38079.07361	2:16	0.228	PCI/G	0.112	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.394	0.123	PCI/G	0		29/03/2004	38079.07361	2:16	0.133	PCI/G	0.0652	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.27	0.261	PCI/G	0	U	29/03/2004	38079.07361	2:16	0.475	PCI/G	0.231	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.158	0.0681	PCI/G	0		29/03/2004	38079.07361	2:16	0.0756	PCI/G	0.037	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.405	0.149	PCI/G	0		29/03/2004	38079.07361	2:16	0.167	PCI/G	0.0824	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.322	0.0989	PCI/G	0		29/03/2004	38079.07361	2:16	0.124	PCI/G	0.0615	PCI/G	1	6.5	PR
3100-0000-177-C-1C-01	04-0934	109720003	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0224	0.0776	PCI/G	0	U	29/03/2004	38079.07361	2:16	0.141	PCI/G	0.0667	PCI/G	1	6.5	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0628	0.0337	PCI/G	0		29/03/2004	38079.07361	2:23	0.0321	PCI/G	0.0151	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0214	0.0217	PCI/G	0	U	29/03/2004	38079.07361	2:23	0.0396	PCI/G	0.0183	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	6.86	0.809	PCI/G	0		29/03/2004	38079.07361	2:23	0.305	PCI/G	0.137	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0166	0.0163	PCI/G	0	U	29/03/2004	38079.07361	2:23	0.0366	PCI/G	0.0172	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0348	0.0287	PCI/G	0	U	29/03/2004	38079.07361	2:23	0.0449	PCI/G	0.0213	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.504	0.0923	PCI/G	0		29/03/2004	38079.07361	2:23	0.0576	PCI/G	0.0272	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.543	0.142	PCI/G	0		29/03/2004	38079.07361	2:23	0.108	PCI/G	0.05	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0164	0.0454	PCI/G	0	U	29/03/2004	38079.07361	2:23	0.0874	PCI/G	0.0424	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00384	0.0162	PCI/G	0	U	29/03/2004	38079.07361	2:23	0.0281	PCI/G	0.0134	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0566	0.0936	PCI/G	0	U	29/03/2004	38079.07361	2:23	0.132	PCI/G	0.0641	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00763	0.0159	PCI/G	0	U	29/03/2004	38079.07361	2:23	0.0299	PCI/G	0.0141	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0462	0.0495	PCI/G	0	U	29/03/2004	38079.07361	2:23	0.0837	PCI/G	0.0401	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.504	0.0923	PCI/G	0		29/03/2004	38079.07361	2:23	0.0576	PCI/G	0.0272	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.467	0.291	PCI/G	0		29/03/2004	38079.07361	2:23	0.216	PCI/G	0.1	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.153	0.0434	PCI/G	0		29/03/2004	38079.07361	2:23	0.0373	PCI/G	0.0177	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.703	0.0965	PCI/G	0		29/03/2004	38079.07361	2:23	0.0555	PCI/G	0.0265	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.439	0.0621	PCI/G	0		29/03/2004	38079.07361	2:23	0.0489	PCI/G	0.0236	PCI/G	1	5.6	PR
3100-0000-177-C-1C-02	04-0934	109720004	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.00269	0.0484	PCI/G	0	U	29/03/2004	38079.07361	2:23	0.0909	PCI/G	0.0413	PCI/G	1	5.6	PR
3100-0000-178-C-1C-01	04-0934	109720005	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	19.7	1.67	PCI/G	0		29/03/2004	38079.07361	3:23	0.0612	PCI/G	0.0296	PCI/G	1	5.4	PR
3100-0000-178-C-1C-01	04-0934	109720005	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	3.98	0.272	PCI/G	0		29/03/2004	38079.07361	3:23	0.0459	PCI/G	0.0213	PCI/G	1	5.4	PR

3100-0000-178-C-1C-01	04-0934	109720005	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	8.59	0.885	PCI/G	0		29/03/2004	38079.07361	3:23	0.314	PCI/G	0.14	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.000406	0.0335	PCI/G	0	U	29/03/2004	38079.07361	3:23	0.0596	PCI/G	0.0286	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0347	0.0501	PCI/G	0	U	29/03/2004	38079.07361	3:23	0.0635	PCI/G	0.0305	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.468	0.118	PCI/G	0		29/03/2004	38079.07361	3:23	0.115	PCI/G	0.0557	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.301	PCI/G	0	UUI	29/03/2004	38079.07361	3:23	0.315	PCI/G	0.153	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.072	0.0657	PCI/G	0	U	29/03/2004	38079.07361	3:23	0.121	PCI/G	0.0594	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0182	0.0443	PCI/G	0	U	29/03/2004	38079.07361	3:23	0.0763	PCI/G	0.0374	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0312	0.0542	PCI/G	0	U	29/03/2004	38079.07361	3:23	0.0659	PCI/G	0.0323	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0228	0.0254	PCI/G	0	U	29/03/2004	38079.07361	3:23	0.0441	PCI/G	0.0211	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0371	0.1	PCI/G	0	U	29/03/2004	38079.07361	3:23	0.181	PCI/G	0.0887	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.468	0.118	PCI/G	0		29/03/2004	38079.07361	3:23	0.115	PCI/G	0.0557	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.38	0.297	PCI/G	0	U	29/03/2004	38079.07361	3:23	0.431	PCI/G	0.207	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.167	0.0734	PCI/G	0		29/03/2004	38079.07361	3:23	0.0622	PCI/G	0.0301	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.614	0.156	PCI/G	0		29/03/2004	38079.07361	3:23	0.123	PCI/G	0.0601	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.498	0.0857	PCI/G	0		29/03/2004	38079.07361	3:23	0.0883	PCI/G	0.0433	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-01	04-0934	109720005	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0687	0.0728	PCI/G	0	U	29/03/2004	38079.07361	3:23	0.143	PCI/G	0.0668	PCI/G	1	5.4	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0853	0.0289	PCI/G	0		29/03/2004	38079.07361	4:00	0.0257	PCI/G	0.0119	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.036	PCI/G	0	UUI	29/03/2004	38079.07361	4:00	0.0301	PCI/G	0.0136	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.68	0.841	PCI/G	0		29/03/2004	38079.07361	4:00	0.277	PCI/G	0.124	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00584	0.0188	PCI/G	0	U	29/03/2004	38079.07361	4:00	0.0316	PCI/G	0.0148	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.03	PCI/G	0	UUI	29/03/2004	38079.07361	4:00	0.0371	PCI/G	0.0174	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.406	0.0758	PCI/G	0		29/03/2004	38079.07361	4:00	0.0519	PCI/G	0.0244	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.407	0.126	PCI/G	0		29/03/2004	38079.07361	4:00	0.0637	PCI/G	0.0281	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00699	0.0536	PCI/G	0	U	29/03/2004	38079.07361	4:00	0.0978	PCI/G	0.0475	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00656	0.0147	PCI/G	0	U	29/03/2004	38079.07361	4:00	0.0277	PCI/G	0.0131	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0688	0.123	PCI/G	0	U	29/03/2004	38079.07361	4:00	0.202	PCI/G	0.0976	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00465	0.0136	PCI/G	0	U	29/03/2004	38079.07361	4:00	0.0251	PCI/G	0.0117	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0302	0.0425	PCI/G	0	U	29/03/2004	38079.07361	4:00	0.0819	PCI/G	0.0391	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.406	0.0758	PCI/G	0		29/03/2004	38079.07361	4:00	0.0519	PCI/G	0.0244	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.31	0.201	PCI/G	0		29/03/2004	38079.07361	4:00	0.225	PCI/G	0.105	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.141	0.0359	PCI/G	0		29/03/2004	38079.07361	4:00	0.0294	PCI/G	0.0139	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.517	0.0758	PCI/G	0		29/03/2004	38079.07361	4:00	0.0534	PCI/G	0.0254	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.43	0.06	PCI/G	0		29/03/2004	38079.07361	4:00	0.0455	PCI/G	0.0219	PCI/G	1	5.8	PR	
3100-0000-178-C-1C-02	04-0934	109720006	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.00871	0.0496	PCI/G	0	U	29/03/2004	38079.07361	4:00	0.0928	PCI/G	0.0424	PCI/G	1	5.8	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	8.98	0.644	PCI/G	0		29/03/2004	38079.07361	8:50	0.0226	PCI/G	0.011	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	1.68	0.135	PCI/G	0		29/03/2004	38079.07361	8:50	0.0166	PCI/G	0.00783	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.68	0.683	PCI/G	0		29/03/2004	38079.07361	8:50	0.156	PCI/G	0.0731	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0176	0.0225	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.0218	PCI/G	0.0106	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0452	0.0239	PCI/G	0		29/03/2004	38079.07361	8:50	0.025	PCI/G	0.0122	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.342	0.0582	PCI/G	0		29/03/2004	38079.07361	8:50	0.0485	PCI/G	0.0238	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.405	0.111	PCI/G	0		29/03/2004	38079.07361	8:50	0.0898	PCI/G	0.0437	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.00558	0.0376	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.0699	PCI/G	0.0345	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00856	0.0171	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.0309	PCI/G	0.0152	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0333	0.0777	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.133	PCI/G	0.0654	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00548	0.0101	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.018	PCI/G	0.00872	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.00244	0.0423	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.0773	PCI/G	0.0381	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.342	0.0582	PCI/G	0		29/03/2004	38079.07361	8:50	0.0485	PCI/G	0.0238	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.176	0.157	PCI/G	0		29/03/2004	38079.07361	8:50	0.159	PCI/G	0.0771	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.131	0.0313	PCI/G	0		29/03/2004	38079.07361	8:50	0.0247	PCI/G	0.0121	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.414	0.0815	PCI/G	0		29/03/2004	38079.07361	8:50	0.056	PCI/G	0.0276	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.387	0.0476	PCI/G	0		29/03/2004	38079.07361	8:50	0.0426	PCI/G	0.0211	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-01	04-0934	109720007	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0522	0.0333	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.0627	PCI/G	0.0301	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0194	0.0107	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.02	PCI/G	0.00965	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0276	0.0149	PCI/G	0		29/03/2004	38079.07361	8:50	0.0194	PCI/G	0.00912	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.66	0.662	PCI/G	0		29/03/2004	38079.07361	8:50	0.162	PCI/G	0.0753	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0104	0.0114	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.0203	PCI/G	0.00975	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0173	PCI/G	0	UUI	29/03/2004	38079.07361	8:50	0.0225	PCI/G	0.0108	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.386	0.0568	PCI/G	0		29/03/2004	38079.07361	8:50	0.0308	PCI/G	0.0148	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.44	0.118	PCI/G	0		29/03/2004	38079.07361	8:50	0.0547	PCI/G	0.0259	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.018	0.0234	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.0442	PCI/G	0.0216	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00306	0.00771	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.0137	PCI/G	0.00658	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0381	0.0398	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.0651	PCI/G	0.0318	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00304	0.00902	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.0153	PCI/G	0.00735	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0142	0.0241	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.042	PCI/G	0.0204	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.386	0.0568	PCI/G	0		29/03/2004	38079.07361	8:50	0.0308	PCI/G	0.0148	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.365	0.172	PCI/G	0		29/03/2004	38079.07361	8:50	0.137	PCI/G	0.0658	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.16	0.0257	PCI/G	0		29/03/2004	38079.07361	8:50	0.016	PCI/G	0.00768	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.437	0.0645	PCI/G	0		29/03/2004	38079.07361	8:50	0.0277	PCI/G	0.0134	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.462	0.0508	PCI/G	0		29/03/2004	38079.07361	8:50	0.0238	PCI/G	0.0116	PCI/G	1	4.4	PR	
3100-0000-180-C-1C-02	04-0934	109720008	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00465	0.0332	PCI/G	0	U	29/03/2004	38079.07361	8:50	0.0496	PCI/G	0.0233	PCI/G	1	4.4	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320681	14596-10-2	Americium-241	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.00612	0.00849	PCI/G	0	U	30/03/2004	38080.12639	10:03	0.0142	PCI/G	0.00504	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320681	OER-100-93	Curium-242	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	0.00341	0.00472	PCI/G	0	U	30/03/2004	38080.12639	10:03	0.00462	PCI/G	0	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320681	OER-101-57	Curium-243/244	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	-7.32E-10	0.00737	PCI/G	0	U	30/03/2004	38080.12639	10:03	0.0165	PCI/G	0.00618	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320682	13981-16-3	Plutonium-238	TRG L.	Item 3	2UPU11RCM	PU11RCM	REG	-0.00281	0.00767	PCI/G	0	U	30/03/2004	38080.12639	10:03	0.0257	PCI/G	0.00911	PCI/G	1	6.1	PR	

3100-0000-176-C-3C-01	04-0934	109720009	320682	OER-100-70	Plutonium-239/240	TRG L.	Item 3	2UPU11RCM	PU11RCM	REG	0.00551	0.00763	PCI/G	0	U	30/03/2004	38080.12639	10:03	0.00746	PCI/G	0	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320686	14119-32-5	Plutonium-241	TRG L.	Item 3	6UPU11RCM	PU11RCM	REG	-1.51	2.38	PCI/G	0	U	30/03/2004	38080.12847	4:51	4.13	PCI/G	2.03	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320713	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0165	0.0031	PCI/G	0		30/03/2004	38080.12708	6:46	0.0029	PCI/G	0.0013	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0293	0.0114	PCI/G	0		29/03/2004	38079.07361	8:51	0.0155	PCI/G	0.00744	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0149	0.0101	PCI/G	0	U	29/03/2004	38079.07361	8:51	0.0194	PCI/G	0.00919	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.95	0.703	PCI/G	0		29/03/2004	38079.07361	8:51	0.146	PCI/G	0.068	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0141	0.0171	PCI/G	0	U	29/03/2004	38079.07361	8:51	0.0152	PCI/G	0.00725	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0169	0.0134	PCI/G	0	U	29/03/2004	38079.07361	8:51	0.0191	PCI/G	0.0092	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.394	0.0618	PCI/G	0		29/03/2004	38079.07361	8:51	0.0294	PCI/G	0.0142	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.449	0.0947	PCI/G	0		29/03/2004	38079.07361	8:51	0.054	PCI/G	0.0257	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0164	0.0265	PCI/G	0	U	29/03/2004	38079.07361	8:51	0.0491	PCI/G	0.0241	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00667	0.00773	PCI/G	0	U	29/03/2004	38079.07361	8:51	0.0134	PCI/G	0.00647	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0482	0.0477	PCI/G	0	U	29/03/2004	38079.07361	8:51	0.0665	PCI/G	0.0326	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00659	0.00938	PCI/G	0	U	29/03/2004	38079.07361	8:51	0.0151	PCI/G	0.00726	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00732	0.0228	PCI/G	0	U	29/03/2004	38079.07361	8:51	0.0413	PCI/G	0.02	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.394	0.0618	PCI/G	0		29/03/2004	38079.07361	8:51	0.0294	PCI/G	0.0142	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.37	0.129	PCI/G	0		29/03/2004	38079.07361	8:51	0.115	PCI/G	0.0552	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.139	0.0249	PCI/G	0		29/03/2004	38079.07361	8:51	0.0157	PCI/G	0.00755	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.438	0.0574	PCI/G	0		29/03/2004	38079.07361	8:51	0.0287	PCI/G	0.0139	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.413	0.0421	PCI/G	0		29/03/2004	38079.07361	8:51	0.0252	PCI/G	0.0123	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.000607	0.0346	PCI/G	0	U	29/03/2004	38079.07361	8:51	0.0528	PCI/G	0.0251	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	321649	14762-75-5	Carbon-14	TRG L.	Item 5	ULSC	LSC	REG	-0.0159	0.281	PCI/G	0	U		2/4/2004	9:05	0.491	PCI/G	0.237	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	109720009	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	2.43	1.48	PCI/G	0			7/4/2004	6:09	2.32	PCI/G	1.16	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320681	14596-10-2	Americium-241	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	-3.34E-10	0.00549	PCI/G	0	U	30/03/2004	38080.12639	10:03	0.013	PCI/G	0.0046	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320681	OER-100-93	Curium-242	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	-0.00156	0.00432	PCI/G	0	U	30/03/2004	38080.12639	10:03	0.0115	PCI/G	0.00362	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320681	OER-101-57	Curium-243/244	TRG L.	Item 1	UAM05RCM	AM05RCM	REG	-1.67E-10	0.00389	PCI/G	0	U	30/03/2004	38080.12639	10:03	0.0103	PCI/G	0.00326	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320682	13981-16-3	Plutonium-238	TRG L.	Item 3	2UPU11RCM	PU11RCM	REG	-0.00824	0.00926	PCI/G	0	U	30/03/2004	38080.12639	10:03	0.0327	PCI/G	0.0127	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320682	OER-100-70	Plutonium-239/240	TRG L.	Item 3	2UPU11RCM	PU11RCM	REG	0.0122	0.0122	PCI/G	0	U	30/03/2004	38080.12639	10:03	0.0163	PCI/G	0.00448	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320686	14119-32-5	Plutonium-241	TRG L.	Item 3	6UPU11RCM	PU11RCM	REG	-1.12	2.21	PCI/G	0	U	30/03/2004	38080.12847	5:54	3.82	PCI/G	1.87	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320713	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0231	0.0039	PCI/G	0		30/03/2004	38080.12708	6:46	0.0037	PCI/G	0.0017	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0402	0.0225	PCI/G	0		29/03/2004	38079.14306	8:52	0.0234	PCI/G	0.0114	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0191	0.0241	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0266	PCI/G	0.0128	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.43	0.633	PCI/G	0		29/03/2004	38079.14306	8:52	0.199	PCI/G	0.0943	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-9.01E-05	0.0124	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0222	PCI/G	0.0107	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.00178	0.0199	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0256	PCI/G	0.0124	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.514	0.0708	PCI/G	0		29/03/2004	38079.14306	8:52	0.0389	PCI/G	0.0189	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.443	0.111	PCI/G	0		29/03/2004	38079.14306	8:52	0.0737	PCI/G	0.0355	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0434	0.0332	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0467	PCI/G	0.0229	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00419	0.0101	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0179	PCI/G	0.00873	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00304	0.017	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0277	PCI/G	0.0136	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00346	0.012	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0207	PCI/G	0.0101	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0133	0.0277	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0503	PCI/G	0.0245	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.514	0.0708	PCI/G	0		29/03/2004	38079.14306	8:52	0.0389	PCI/G	0.0189	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.295	0.176	PCI/G	0		29/03/2004	38079.14306	8:52	0.165	PCI/G	0.08	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.144	0.0326	PCI/G	0		29/03/2004	38079.14306	8:52	0.021	PCI/G	0.0102	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.51	0.069	PCI/G	0		29/03/2004	38079.14306	8:52	0.0375	PCI/G	0.0183	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.461	0.0537	PCI/G	0		29/03/2004	38079.14306	8:52	0.0286	PCI/G	0.014	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.006	0.0401	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0692	PCI/G	0.0332	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	321649	14762-75-5	Carbon-14	TRG L.	Item 5	ULSC	LSC	REG	-0.0901	0.332	PCI/G	0	U		2/4/2004	10:07	0.586	PCI/G	0.282	PCI/G	1	4.1	PR	
3100-0000-176-C-3C-02	04-0934	109720010	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	0.328	1.48	PCI/G	0	U		7/4/2004	6:41	2.46	PCI/G	1.23	PCI/G	1	4.1	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320713	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0186	0.003	PCI/G	0		30/03/2004	38080.12708	6:46	0.0029	PCI/G	0.0013	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0245	0.0161	PCI/G	0		29/03/2004	38079.14306	8:52	0.0157	PCI/G	0.00755	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0275	0.0199	PCI/G	0		29/03/2004	38079.14306	8:52	0.0172	PCI/G	0.00812	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	6.82	0.659	PCI/G	0		29/03/2004	38079.14306	8:52	0.159	PCI/G	0.0747	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00333	0.0089	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.016	PCI/G	0.00767	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0156	0.018	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0196	PCI/G	0.00943	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.45	0.0534	PCI/G	0		29/03/2004	38079.14306	8:52	0.0275	PCI/G	0.0132	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.457	0.0933	PCI/G	0		29/03/2004	38079.14306	8:52	0.0493	PCI/G	0.0234	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0212	0.03	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0477	PCI/G	0.0233	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00181	0.00697	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0129	PCI/G	0.00622	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0476	0.0593	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.11	PCI/G	0.0537	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00366	0.00738	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0136	PCI/G	0.00651	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00606	0.0235	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0411	PCI/G	0.02	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.45	0.0534	PCI/G	0		29/03/2004	38079.14306	8:52	0.0275	PCI/G	0.0132	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.287	0.11	PCI/G	0		29/03/2004	38079.14306	8:52	0.112	PCI/G	0.0536	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.138	0.0244	PCI/G	0		29/03/2004	38079.14306	8:52	0.0138	PCI/G	0.00661	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.5	0.0628	PCI/G	0		29/03/2004	38079.14306	8:52	0.0294	PCI/G	0.0143	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.417	0.0449	PCI/G	0		29/03/2004	38079.14306	8:52	0.0258	PCI/G	0.0126	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00587	0.0257	PCI/G	0	U	29/03/2004	38079.14306	8:52	0.0458	PCI/G	0.0216	PCI/G	1	5.7	PR	
3100-0000-176-C-8C-01	04-0934	109720011	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	3.14	1.71	PCI/G	0			7/4/2004	7:13	2.65	PCI/G	1.33	PCI/G	1	5.7	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320713	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0131	0.0024	PCI/G	0		30/03/2004	38080.12847	3:29	0.0024	PCI/G	0.0011	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0703	0.0176	PCI/G	0		29/03/2004	38079.14306	8:53	0.0185	PCI/G	0.00884	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.02	0.0196	PCI/G	0	U	29/03/2004	38079.14306	8:53	0.0212	PCI/G	0.00996	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.52	0.622	PCI/G	0		29/03/2004	38079.14306	8:53	0.181	PCI/G	0.0842	PCI/G	1	4.6	PR	

3100-0000-176-C-12C-01	04-0934	109720012	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00569	0.0108	PCI/G	0	U	29/03/2004	38079.14306	8:53	0.0199	PCI/G	0.00952	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.02	PCI/G	0	UUI	29/03/2004	38079.14306	8:53	0.0252	PCI/G	0.0122	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.443	0.0683	PCI/G	0		29/03/2004	38079.14306	8:53	0.0323	PCI/G	0.0155	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.532	0.108	PCI/G	0		29/03/2004	38079.14306	8:53	0.0619	PCI/G	0.0294	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0334	0.0213	PCI/G	0	U	29/03/2004	38079.14306	8:53	0.0406	PCI/G	0.0199	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00204	0.00864	PCI/G	0	U	29/03/2004	38079.14306	8:53	0.0157	PCI/G	0.00755	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00237	0.0125	PCI/G	0	U	29/03/2004	38079.14306	8:53	0.0238	PCI/G	0.0117	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00176	0.00906	PCI/G	0	U	29/03/2004	38079.14306	8:53	0.0168	PCI/G	0.00803	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0153	0.0238	PCI/G	0	U	29/03/2004	38079.14306	8:53	0.0424	PCI/G	0.0205	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.443	0.0683	PCI/G	0		29/03/2004	38079.14306	8:53	0.0323	PCI/G	0.0155	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.181	0.146	PCI/G	0		29/03/2004	38079.14306	8:53	0.15	PCI/G	0.0716	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.135	0.0253	PCI/G	0		29/03/2004	38079.14306	8:53	0.0182	PCI/G	0.00876	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.433	0.0572	PCI/G	0		29/03/2004	38079.14306	8:53	0.0317	PCI/G	0.0153	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.407	0.043	PCI/G	0		29/03/2004	38079.14306	8:53	0.0226	PCI/G	0.011	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.00352	0.0308	PCI/G	0	U	29/03/2004	38079.14306	8:53	0.0569	PCI/G	0.0268	PCI/G	1	4.6	PR	
3100-0000-176-C-12C-01	04-0934	109720012	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	5.07	1.74	PCI/G	0			7/4/2004	7:45	2.58	PCI/G	1.29	PCI/G	1	4.6	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320713	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0131	0.0023	PCI/G	0		30/03/2004	38080.12847	3:29	0.0024	PCI/G	0.0011	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0253	0.0103	PCI/G	0		29/03/2004	38079.14306	8:54	0.0126	PCI/G	0.0061	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.012	0.00986	PCI/G	0		29/03/2004	38079.14306	8:54	0.0113	PCI/G	0.00539	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	6.8	0.561	PCI/G	0		29/03/2004	38079.14306	8:54	0.0926	PCI/G	0.0436	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00585	0.00764	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0121	PCI/G	0.00588	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.00991	PCI/G	0	UUI	29/03/2004	38079.14306	8:54	0.0138	PCI/G	0.00668	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.322	0.0451	PCI/G	0		29/03/2004	38079.14306	8:54	0.021	PCI/G	0.0102	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.314	0.0713	PCI/G	0		29/03/2004	38079.14306	8:54	0.0407	PCI/G	0.0196	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.00501	0.0231	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0423	PCI/G	0.0208	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00393	0.00614	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0111	PCI/G	0.0054	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0117	0.0523	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0688	PCI/G	0.0338	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00175	0.00606	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0107	PCI/G	0.00521	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0128	0.0179	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0314	PCI/G	0.0153	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.322	0.0451	PCI/G	0		29/03/2004	38079.14306	8:54	0.021	PCI/G	0.0102	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.249	0.0969	PCI/G	0		29/03/2004	38079.14306	8:54	0.0811	PCI/G	0.0392	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.113	0.0188	PCI/G	0		29/03/2004	38079.14306	8:54	0.0109	PCI/G	0.00527	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.378	0.0437	PCI/G	0		29/03/2004	38079.14306	8:54	0.0236	PCI/G	0.0115	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.36	0.0342	PCI/G	0		29/03/2004	38079.14306	8:54	0.0195	PCI/G	0.00955	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.00414	0.023	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0356	PCI/G	0.0171	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-01	04-0934	109720013	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	3.4	1.63	PCI/G	0			7/4/2004	8:17	2.5	PCI/G	1.25	PCI/G	1	4.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320713	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0112	0.0019	PCI/G	0		30/03/2004	38080.12847	3:30	0.0018	PCI/G	0.0008	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.047	0.0313	PCI/G	0		29/03/2004	38079.14306	8:54	0.0243	PCI/G	0.0117	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0162	0.0138	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0266	PCI/G	0.0125	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.08	0.693	PCI/G	0		29/03/2004	38079.14306	8:54	0.219	PCI/G	0.102	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00792	0.0132	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0232	PCI/G	0.0111	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0305	PCI/G	0	UUI	29/03/2004	38079.14306	8:54	0.0284	PCI/G	0.0136	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.415	0.0741	PCI/G	0		29/03/2004	38079.14306	8:54	0.0423	PCI/G	0.0203	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.406	0.101	PCI/G	0		29/03/2004	38079.14306	8:54	0.0784	PCI/G	0.0372	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0181	0.0337	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0628	PCI/G	0.0309	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.000985	0.0115	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0208	PCI/G	0.0101	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.00303	0.0269	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0513	PCI/G	0.0252	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.0102	0.0109	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0223	PCI/G	0.0107	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.00574	0.0329	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0607	PCI/G	0.0295	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.415	0.0741	PCI/G	0		29/03/2004	38079.14306	8:54	0.0423	PCI/G	0.0203	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.326	0.199	PCI/G	0		29/03/2004	38079.14306	8:54	0.177	PCI/G	0.0845	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.122	0.0382	PCI/G	0		29/03/2004	38079.14306	8:54	0.0231	PCI/G	0.0111	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.434	0.0698	PCI/G	0		29/03/2004	38079.14306	8:54	0.0419	PCI/G	0.0203	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.339	0.0458	PCI/G	0		29/03/2004	38079.14306	8:54	0.0339	PCI/G	0.0166	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.00535	0.0458	PCI/G	0	U	29/03/2004	38079.14306	8:54	0.0711	PCI/G	0.0335	PCI/G	1	5.7	PR	
3100-0000-176-C-18C-02	04-0934	109720014	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	1.51	1.48	PCI/G	0	U		7/4/2004	8:49	2.38	PCI/G	1.19	PCI/G	1	5.7	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320713	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0169	0.0027	PCI/G	0		30/03/2004	38080.12847	3:30	0.0026	PCI/G	0.0012	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.00945	0.00975	PCI/G	0	U	29/03/2004	38079.14306	9:12	0.0142	PCI/G	0.00677	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.00787	0.00885	PCI/G	0	U	29/03/2004	38079.14306	9:12	0.0172	PCI/G	0.00809	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.3	0.601	PCI/G	0		29/03/2004	38079.14306	9:12	0.12	PCI/G	0.0548	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00253	0.00865	PCI/G	0	U	29/03/2004	38079.14306	9:12	0.0157	PCI/G	0.00752	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0166	PCI/G	0	UUI	29/03/2004	38079.14306	9:12	0.0183	PCI/G	0.00878	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.335	0.0492	PCI/G	0		29/03/2004	38079.14306	9:12	0.0261	PCI/G	0.0125	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.284	0.0779	PCI/G	0		29/03/2004	38079.14306	9:12	0.0512	PCI/G	0.0243	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0144	0.0214	PCI/G	0	U	29/03/2004	38079.14306	9:12	0.0421	PCI/G	0.0206	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.000886	0.00673	PCI/G	0	U	29/03/2004	38079.14306	9:12	0.0119	PCI/G	0.00574	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0222	0.0334	PCI/G	0	U	29/03/2004	38079.14306	9:12	0.059	PCI/G	0.0288	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.005	0.00714	PCI/G	0	U	29/03/2004	38079.14306	9:12	0.0125	PCI/G	0.00597	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.014	0.0204	PCI/G	0	U	29/03/2004	38079.14306	9:12	0.0353	PCI/G	0.0171	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.335	0.0492	PCI/G	0		29/03/2004	38079.14306	9:12	0.0261	PCI/G	0.0125	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.184	0.0926	PCI/G	0		29/03/2004	38079.14306	9:12	0.101	PCI/G	0.048	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.104	0.0209	PCI/G	0		29/03/2004	38079.14306	9:12	0.0139	PCI/G	0.00664	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.388	0.0493	PCI/G	0		29/03/2004	38079.14306	9:12	0.0263	PCI/G	0.0127	PCI/G	1	6.4	PR	
3100-0000-177-C-21C-01	04-0934	109720015	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.326	0.034	PCI/G	0		29/03/2004	38079.14306	9:12	0.0219	PCI/G	0.0107	PCI/G	1	6.4	PR	

3100-0000-177-C-21C-01	04-0934	109720015	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00789	0.0267	PCI/G	0	U	29/03/2004	38079.14306	9:12	0.0453	PCI/G	0.0213	PCI/G	1	6.4	PR		
3100-0000-177-C-21C-01	04-0934	109720015	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	2.82	1.59	PCI/G	0			7/4/2004	9:21	2.47	PCI/G	1.23	PCI/G	1	6.4	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320713	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0117	0.0022	PCI/G	0		30/03/2004	38080.12847	3:30	0.0021	PCI/G	0.0009	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.00702	0.0119	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0181	PCI/G	0.00873	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0316	0.0134	PCI/G	0		29/03/2004	38079.14306	9:13	0.0177	PCI/G	0.00834	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	6.31	0.564	PCI/G	0		29/03/2004	38079.14306	9:13	0.128	PCI/G	0.0589	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00116	0.00862	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0161	PCI/G	0.00766	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0144	0.0118	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0185	PCI/G	0.00884	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.325	0.0504	PCI/G	0		29/03/2004	38079.14306	9:13	0.0274	PCI/G	0.0132	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.329	0.0884	PCI/G	0		29/03/2004	38079.14306	9:13	0.0549	PCI/G	0.0261	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0119	0.0282	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0534	PCI/G	0.0262	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.000978	0.00769	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0142	PCI/G	0.00687	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0199	0.0642	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.11	PCI/G	0.0539	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00169	0.00799	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0143	PCI/G	0.00687	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00432	0.0229	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0424	PCI/G	0.0205	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.325	0.0504	PCI/G	0		29/03/2004	38079.14306	9:13	0.0274	PCI/G	0.0132	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.203	0.112	PCI/G	0		29/03/2004	38079.14306	9:13	0.12	PCI/G	0.0572	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.115	0.0229	PCI/G	0		29/03/2004	38079.14306	9:13	0.0147	PCI/G	0.00703	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.392	0.0564	PCI/G	0		29/03/2004	38079.14306	9:13	0.0302	PCI/G	0.0147	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.308	0.0367	PCI/G	0		29/03/2004	38079.14306	9:13	0.0249	PCI/G	0.0121	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.016	0.0463	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0501	PCI/G	0.0237	PCI/G	1	6.3	PR		
3100-0000-177-C-21C-02	04-0934	109720016	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	3.95	1.63	PCI/G	0			7/4/2004	9:53	2.46	PCI/G	1.23	PCI/G	1	6.3	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320713	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0122	0.0019	PCI/G	0		30/03/2004	38080.12847	3:30	0.0018	PCI/G	0.0008	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.198	0.0289	PCI/G	0		29/03/2004	38079.14306	9:13	0.0188	PCI/G	0.00905	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.203	0.032	PCI/G	0		29/03/2004	38079.14306	9:13	0.0207	PCI/G	0.0098	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	8.11	0.683	PCI/G	0		29/03/2004	38079.14306	9:13	0.163	PCI/G	0.0762	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00542	0.0117	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0209	PCI/G	0.0101	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0206	PCI/G	0	UUI	29/03/2004	38079.14306	9:13	0.0252	PCI/G	0.0122	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.529	0.0642	PCI/G	0		29/03/2004	38079.14306	9:13	0.0345	PCI/G	0.0167	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.485	0.101	PCI/G	0		29/03/2004	38079.14306	9:13	0.0739	PCI/G	0.0356	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0533	0.0299	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0556	PCI/G	0.0273	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00359	0.00959	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0165	PCI/G	0.00801	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0254	0.0438	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0743	PCI/G	0.0365	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00166	0.0099	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0177	PCI/G	0.00854	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00657	0.0314	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0484	PCI/G	0.0236	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.529	0.0642	PCI/G	0		29/03/2004	38079.14306	9:13	0.0345	PCI/G	0.0167	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.337	0.141	PCI/G	0		29/03/2004	38079.14306	9:13	0.147	PCI/G	0.0707	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.208	0.0292	PCI/G	0		29/03/2004	38079.14306	9:13	0.0181	PCI/G	0.00871	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.569	0.0683	PCI/G	0		29/03/2004	38079.14306	9:13	0.0344	PCI/G	0.0167	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.523	0.0534	PCI/G	0		29/03/2004	38079.14306	9:13	0.0286	PCI/G	0.014	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0307	0.0345	PCI/G	0	U	29/03/2004	38079.14306	9:13	0.0576	PCI/G	0.0273	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	109720017	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	3.85	1.69	PCI/G	0			7/4/2004	10:25	2.58	PCI/G	1.29	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320713	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0133	0.0025	PCI/G	0		30/03/2004	38080.12917	1:16	0.0027	PCI/G	0.0012	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0407	0.021	PCI/G	0		29/03/2004	38079.14306	9:14	0.0179	PCI/G	0.00859	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0523	0.0163	PCI/G	0		29/03/2004	38079.14306	9:14	0.0179	PCI/G	0.00832	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.52	0.7	PCI/G	0		29/03/2004	38079.14306	9:14	0.163	PCI/G	0.0753	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00734	0.0106	PCI/G	0	U	29/03/2004	38079.14306	9:14	0.0176	PCI/G	0.00835	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0226	0.0185	PCI/G	0	U	29/03/2004	38079.14306	9:14	0.0232	PCI/G	0.0112	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.522	0.0707	PCI/G	0		29/03/2004	38079.14306	9:14	0.0319	PCI/G	0.0153	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.464	0.116	PCI/G	0		29/03/2004	38079.14306	9:14	0.0637	PCI/G	0.0303	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0077	0.0289	PCI/G	0	U	29/03/2004	38079.14306	9:14	0.0543	PCI/G	0.0265	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.0028	0.00823	PCI/G	0	U	29/03/2004	38079.14306	9:14	0.0153	PCI/G	0.00734	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0133	0.0623	PCI/G	0	U	29/03/2004	38079.14306	9:14	0.101	PCI/G	0.0494	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00324	0.00919	PCI/G	0	U	29/03/2004	38079.14306	9:14	0.0164	PCI/G	0.00787	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0191	0.0274	PCI/G	0	U	29/03/2004	38079.14306	9:14	0.0457	PCI/G	0.0221	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.522	0.0707	PCI/G	0		29/03/2004	38079.14306	9:14	0.0319	PCI/G	0.0153	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.351	0.181	PCI/G	0		29/03/2004	38079.14306	9:14	0.13	PCI/G	0.0618	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.166	0.0266	PCI/G	0		29/03/2004	38079.14306	9:14	0.0178	PCI/G	0.00852	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.588	0.0753	PCI/G	0		29/03/2004	38079.14306	9:14	0.0342	PCI/G	0.0166	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.564	0.0656	PCI/G	0		29/03/2004	38079.14306	9:14	0.0308	PCI/G	0.015	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.015	0.0311	PCI/G	0	U	29/03/2004	38079.14306	9:14	0.0534	PCI/G	0.0251	PCI/G	1	8.6	PR		
3100-0000-181-C-1C-02	04-0934	109720018	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	0.854	1.55	PCI/G	0	U		7/4/2004	10:57	2.55	PCI/G	1.27	PCI/G	1	8.6	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320713	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.014	0.0025	PCI/G	0		30/03/2004	38080.12917	1:16	0.0025	PCI/G	0.0011	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0154	0.0147	PCI/G	0	U	29/03/2004	38079.14306	9:17	0.0178	PCI/G	0.00853	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.012	0.0204	PCI/G	0	U	29/03/2004	38079.14306	9:17	0.0199	PCI/G	0.00933	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.65	0.696	PCI/G	0		29/03/2004	38079.14306	9:17	0.18	PCI/G	0.0835	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0077	0.0119	PCI/G	0	U	29/03/2004	38079.14306	9:17	0.0215	PCI/G	0.0103	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0195	PCI/G	0	UUI	29/03/2004	38079.14306	9:17	0.0191	PCI/G	0.00909	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.468	0.0604	PCI/G	0		29/03/2004	38079.14306	9:17	0.035	PCI/G	0.0168	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.534	0.111	PCI/G	0		29/03/2004	38079.14306	9:17	0.062	PCI/G	0.0294	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0216	0.0393	PCI/G	0	U	29/03/2004	38079.14306	9:17	0.055	PCI/G	0.0269	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.0105	0.0101	PCI/G	0	U	29/03/2004	38079.14306	9:17	0.0181	PCI/G	0.00878	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0202	0.0404	PCI/G	0	U	29/03/2004	38079.14306	9:17	0.0807	PCI/G	0.0395	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00819	0.00955	PCI/G	0	U	29/03/2004	38079.14306	9:17	0.0162	PCI/G	0.00775	PCI/G	1	6.1	PR		

3100-0000-181-C-3C-01	04-0934	109720019	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0117	0.0307	PCI/G	0	U	29/03/2004	38079.14306	9:17	0.0529	PCI/G	0.0257	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.468	0.0604	PCI/G	0		29/03/2004	38079.14306	9:17	0.035	PCI/G	0.0168	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.284	0.158	PCI/G	0		29/03/2004	38079.14306	9:17	0.146	PCI/G	0.0698	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.16	0.0301	PCI/G	0		29/03/2004	38079.14306	9:17	0.0194	PCI/G	0.00933	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.514	0.0695	PCI/G	0		29/03/2004	38079.14306	9:17	0.0378	PCI/G	0.0184	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.43	0.0496	PCI/G	0		29/03/2004	38079.14306	9:17	0.0308	PCI/G	0.015	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0235	0.0333	PCI/G	0	U	29/03/2004	38079.14306	9:17	0.0624	PCI/G	0.0295	PCI/G	1	6.1	PR		
3100-0000-181-C-3C-01	04-0934	109720019	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	0.531	1.59	PCI/G	0	U		7/4/2004	11:29	2.63	PCI/G	1.31	PCI/G	1	6.1	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320713	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0174	0.0031	PCI/G	0		30/03/2004	38080.12917	5:54	0.0035	PCI/G	0.0016	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0242	0.0188	PCI/G	0		29/03/2004	38079.14306	9:18	0.0174	PCI/G	0.00837	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0265	PCI/G	0	UUI	29/03/2004	38079.14306	9:18	0.0206	PCI/G	0.00976	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	8.37	0.696	PCI/G	0		29/03/2004	38079.14306	9:18	0.144	PCI/G	0.0666	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00228	0.0103	PCI/G	0	U	29/03/2004	38079.14306	9:18	0.019	PCI/G	0.00909	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0198	0.0151	PCI/G	0	U	29/03/2004	38079.14306	9:18	0.0217	PCI/G	0.0104	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.469	0.0664	PCI/G	0		29/03/2004	38079.14306	9:18	0.0308	PCI/G	0.0148	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.53	0.103	PCI/G	0		29/03/2004	38079.14306	9:18	0.0618	PCI/G	0.0295	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0203	0.0269	PCI/G	0	U	29/03/2004	38079.14306	9:18	0.0515	PCI/G	0.0253	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.000719	0.00766	PCI/G	0	U	29/03/2004	38079.14306	9:18	0.0141	PCI/G	0.00678	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0063	0.0415	PCI/G	0	U	29/03/2004	38079.14306	9:18	0.0735	PCI/G	0.036	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.000438	0.00895	PCI/G	0	U	29/03/2004	38079.14306	9:18	0.0157	PCI/G	0.00754	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0111	0.0236	PCI/G	0	U	29/03/2004	38079.14306	9:18	0.043	PCI/G	0.0209	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.469	0.0664	PCI/G	0		29/03/2004	38079.14306	9:18	0.0308	PCI/G	0.0148	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.346	0.151	PCI/G	0		29/03/2004	38079.14306	9:18	0.126	PCI/G	0.0603	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.184	0.0295	PCI/G	0		29/03/2004	38079.14306	9:18	0.0167	PCI/G	0.00803	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.498	0.0577	PCI/G	0		29/03/2004	38079.14306	9:18	0.0304	PCI/G	0.0147	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.498	0.0474	PCI/G	0		29/03/2004	38079.14306	9:18	0.0261	PCI/G	0.0128	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	320978	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.013	0.0309	PCI/G	0	U	29/03/2004	38079.14306	9:18	0.0529	PCI/G	0.025	PCI/G	1	6.7	PR		
3100-0000-181-C-4C-01	04-0934	109720020	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	13.2	1.97	PCI/G	0			7/4/2004	2:16	2.48	PCI/G	1.24	PCI/G	1	6.7	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	-0.0004	0.0065	PCI/G	0	U	30/03/2004	38081.52986	5:18	0.0131	PCI/G	0.0064	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.00863	0.0177	PCI/G	0	U	29/03/2004	38079.9625	9:46	0.03	PCI/G	0.0141	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0612	0.0389	PCI/G	0		29/03/2004	38079.9625	9:46	0.029	PCI/G	0.013	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.98	0.848	PCI/G	0		29/03/2004	38079.9625	9:46	0.225	PCI/G	0.0973	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0235	0.0173	PCI/G	0	U	29/03/2004	38079.9625	9:46	0.0344	PCI/G	0.0161	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0374	0.0292	PCI/G	0	U	29/03/2004	38079.9625	9:46	0.038	PCI/G	0.0179	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.435	0.0833	PCI/G	0		29/03/2004	38079.9625	9:46	0.047	PCI/G	0.0219	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.552	0.148	PCI/G	0		29/03/2004	38079.9625	9:46	0.0838	PCI/G	0.038	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0441	0.042	PCI/G	0	U	29/03/2004	38079.9625	9:46	0.082	PCI/G	0.0397	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00705	0.013	PCI/G	0	U	29/03/2004	38079.9625	9:46	0.0218	PCI/G	0.0102	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.00209	0.0566	PCI/G	0	U	29/03/2004	38079.9625	9:46	0.11	PCI/G	0.0531	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.0117	0.0131	PCI/G	0	U	29/03/2004	38079.9625	9:46	0.0256	PCI/G	0.012	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0187	0.0405	PCI/G	0	U	29/03/2004	38079.9625	9:46	0.0694	PCI/G	0.033	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.435	0.0833	PCI/G	0		29/03/2004	38079.9625	9:46	0.047	PCI/G	0.0219	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.218	0.214	PCI/G	0	U	29/03/2004	38079.9625	9:46	0.236	PCI/G	0.111	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.177	0.0384	PCI/G	0		29/03/2004	38079.9625	9:46	0.026	PCI/G	0.0121	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.485	0.0718	PCI/G	0		29/03/2004	38079.9625	9:46	0.0511	PCI/G	0.0243	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.552	0.0597	PCI/G	0		29/03/2004	38079.9625	9:46	0.044	PCI/G	0.0212	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0292	0.0515	PCI/G	0	U	29/03/2004	38079.9625	9:46	0.0972	PCI/G	0.0445	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	109720021	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	1.99	1.46	PCI/G	0	U		7/4/2004	2:48	2.31	PCI/G	1.16	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0048	0.0051	PCI/G	0	U	30/03/2004	38081.53264	4:44	0.0098	PCI/G	0.0047	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0225	PCI/G	0	UUI	29/03/2004	38079.9625	11:41	0.0277	PCI/G	0.0129	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0304	0.0219	PCI/G	0	U	29/03/2004	38079.9625	11:41	0.0371	PCI/G	0.017	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.64	0.85	PCI/G	0		29/03/2004	38079.9625	11:41	0.325	PCI/G	0.147	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.000369	0.017	PCI/G	0	U	29/03/2004	38079.9625	11:41	0.0318	PCI/G	0.0148	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.017	0.0328	PCI/G	0	U	29/03/2004	38079.9625	11:41	0.0382	PCI/G	0.018	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.402	0.0771	PCI/G	0		29/03/2004	38079.9625	11:41	0.0533	PCI/G	0.025	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.497	0.141	PCI/G	0		29/03/2004	38079.9625	11:41	0.101	PCI/G	0.0464	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0413	0.0828	PCI/G	0	U	29/03/2004	38079.9625	11:41	0.104	PCI/G	0.0502	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00396	0.0147	PCI/G	0	U	29/03/2004	38079.9625	11:41	0.0265	PCI/G	0.0125	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0134	0.113	PCI/G	0	U	29/03/2004	38079.9625	11:41	0.213	PCI/G	0.103	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-7.99E-05	0.0141	PCI/G	0	U	29/03/2004	38079.9625	11:41	0.0252	PCI/G	0.0118	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00178	0.0482	PCI/G	0	U	29/03/2004	38079.9625	11:41	0.0781	PCI/G	0.0371	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.402	0.0771	PCI/G	0		29/03/2004	38079.9625	11:41	0.0533	PCI/G	0.025	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.247	0.239	PCI/G	0	U	29/03/2004	38079.9625	11:41	0.249	PCI/G	0.117	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.154	0.0405	PCI/G	0		29/03/2004	38079.9625	11:41	0.0299	PCI/G	0.0141	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.48	0.0773	PCI/G	0		29/03/2004	38079.9625	11:41	0.0553	PCI/G	0.0263	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.52	0.0688	PCI/G	0		29/03/2004	38079.9625	11:41	0.0497	PCI/G	0.024	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0279	0.0574	PCI/G	0	U	29/03/2004	38079.9625	11:41	0.0838	PCI/G	0.0377	PCI/G	1	6.2	PR		
3100-0000-181-C-6C-02	04-0934	109720022	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	4.28	1.83	PCI/G	0			7/4/2004	3:20	2.77	PCI/G	1.38	PCI/G	1	6.2	PR		
3100-0000-182-C-1C-01	04-0934	109720023	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0022	0.0044	PCI/G	0	U	30/03/2004	38081.53264	4:44	0.0085	PCI/G	0.0041	PCI/G	1	6.5	PR		
3100-0000-182-C-1C-01	04-0934	109720023	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.069	0.0213	PCI/G	0		29/03/2004	38079.9625	9:48	0.0234	PCI/G	0.0109	PCI/G	1	6.5	PR		
3100-0000-182-C-1C-01	04-0934	109720023	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0683	0.0276	PCI/G	0		29/03/2004	38079.9625	9:48	0.0207	PCI/G	0.00905	PCI/G	1	6.5	PR		
3100-0000-182-C-1C-01	04-0934	109720023	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.8	0.832	PCI/G	0		29/03/2004	38079.9625	9:48	0.197	PCI/G	0.0855	PCI/G	1	6.5	PR		
3100-0000-182-C-1C-01	04-0934	109720023	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0186	0.0156	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.0264	PCI/G	0.0123	PCI/G	1	6.5	PR		
3100-0000-182-C-1C-01	04-0934	109720023	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.000931	0.0207	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.0332	PCI/G	0.0156	PCI/G	1	6.5	PR		

3100-0000-182-C-1C-01	04-0934	109720023	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.315	0.0603	PCI/G	0		29/03/2004	38079.9625	9:48	0.044	PCI/G	0.0206	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-01	04-0934	109720023	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.394	0.122	PCI/G	0		29/03/2004	38079.9625	9:48	0.0904	PCI/G	0.0419	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-01	04-0934	109720023	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0106	0.0385	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.0765	PCI/G	0.0369	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-01	04-0934	109720023	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.0144	0.0148	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.0234	PCI/G	0.0111	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-01	04-0934	109720023	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00546	0.0738	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.137	PCI/G	0.0656	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-01	04-0934	109720023	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00132	0.0121	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.0223	PCI/G	0.0105	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-01	04-0934	109720023	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	1.95E-05	0.0365	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.0657	PCI/G	0.0313	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-01	04-0934	109720023	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.315	0.0603	PCI/G	0		29/03/2004	38079.9625	9:48	0.044	PCI/G	0.0206	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-01	04-0934	109720023	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.166	0.149	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.225	PCI/G	0.106	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-01	04-0934	109720023	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.117	0.0315	PCI/G	0		29/03/2004	38079.9625	9:48	0.0249	PCI/G	0.0117	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-01	04-0934	109720023	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.417	0.0737	PCI/G	0		29/03/2004	38079.9625	9:48	0.046	PCI/G	0.0219	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-01	04-0934	109720023	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.408	0.0581	PCI/G	0		29/03/2004	38079.9625	9:48	0.039	PCI/G	0.0187	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-01	04-0934	109720023	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0167	0.0431	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.0765	PCI/G	0.0348	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-01	04-0934	109720023	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	8.37	1.82	PCI/G	0			7/4/2004	3:52	2.51	PCI/G	1.25	PCI/G	1	6.5	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	-0.0014	0.0042	PCI/G	0	U	30/03/2004	38081.53264	4:44	0.0085	PCI/G	0.0041	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0486	0.0224	PCI/G	0		29/03/2004	38079.9625	9:48	0.0225	PCI/G	0.0105	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0407	0.0214	PCI/G	0		29/03/2004	38079.9625	9:48	0.0227	PCI/G	0.0101	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.66	0.783	PCI/G	0		29/03/2004	38079.9625	9:48	0.237	PCI/G	0.106	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.000621	0.015	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.027	PCI/G	0.0126	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0326	PCI/G	0	UUI	29/03/2004	38079.9625	9:48	0.0298	PCI/G	0.014	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.436	0.0723	PCI/G	0		29/03/2004	38079.9625	9:48	0.0408	PCI/G	0.0191	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.389	0.107	PCI/G	0		29/03/2004	38079.9625	9:48	0.0918	PCI/G	0.0427	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.000461	0.0339	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.0666	PCI/G	0.0322	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00319	0.0126	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.0217	PCI/G	0.0103	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.025	0.0569	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.0992	PCI/G	0.0479	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.0114	0.0119	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.0233	PCI/G	0.0109	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.00153	0.0373	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.0672	PCI/G	0.0321	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.436	0.0723	PCI/G	0		29/03/2004	38079.9625	9:48	0.0408	PCI/G	0.0191	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.251	0.154	PCI/G	0		29/03/2004	38079.9625	9:48	0.176	PCI/G	0.0818	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.111	0.03	PCI/G	0		29/03/2004	38079.9625	9:48	0.0236	PCI/G	0.0111	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.476	0.0682	PCI/G	0		29/03/2004	38079.9625	9:48	0.0442	PCI/G	0.021	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.367	0.0509	PCI/G	0		29/03/2004	38079.9625	9:48	0.0377	PCI/G	0.0181	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00271	0.0399	PCI/G	0	U	29/03/2004	38079.9625	9:48	0.0738	PCI/G	0.0335	PCI/G	1	7.3	PR	
3100-0000-182-C-1C-02	04-0934	109720024	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	0.754	1.56	PCI/G	0	U		7/4/2004	4:56	2.56	PCI/G	1.28	PCI/G	1	7.3	PR	
3100-0000-182-C-4C	04-0934	109720025	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	-0.0003	0.0056	PCI/G	0	U	30/03/2004	38081.53264	4:44	0.0112	PCI/G	0.0054	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0807	0.0246	PCI/G	0		29/03/2004	38079.9625	9:49	0.0252	PCI/G	0.0118	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.142	0.0415	PCI/G	0		29/03/2004	38079.9625	9:49	0.0238	PCI/G	0.0107	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.28	0.793	PCI/G	0		29/03/2004	38079.9625	9:49	0.252	PCI/G	0.113	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00372	0.0152	PCI/G	0	U	29/03/2004	38079.9625	9:49	0.0274	PCI/G	0.0128	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0198	0.0225	PCI/G	0	U	29/03/2004	38079.9625	9:49	0.0308	PCI/G	0.0145	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.324	0.0588	PCI/G	0		29/03/2004	38079.9625	9:49	0.0457	PCI/G	0.0216	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.354	0.133	PCI/G	0		29/03/2004	38079.9625	9:49	0.0922	PCI/G	0.0429	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0331	0.039	PCI/G	0	U	29/03/2004	38079.9625	9:49	0.0756	PCI/G	0.0366	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.000696	0.0119	PCI/G	0	U	29/03/2004	38079.9625	9:49	0.0221	PCI/G	0.0105	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0396	0.074	PCI/G	0	U	29/03/2004	38079.9625	9:49	0.146	PCI/G	0.0708	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00737	0.0116	PCI/G	0	U	29/03/2004	38079.9625	9:49	0.022	PCI/G	0.0103	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00125	0.034	PCI/G	0	U	29/03/2004	38079.9625	9:49	0.0637	PCI/G	0.0304	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.324	0.0588	PCI/G	0		29/03/2004	38079.9625	9:49	0.0457	PCI/G	0.0216	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.322	0.179	PCI/G	0		29/03/2004	38079.9625	9:49	0.163	PCI/G	0.0753	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.138	0.0336	PCI/G	0		29/03/2004	38079.9625	9:49	0.0243	PCI/G	0.0114	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.417	0.0685	PCI/G	0		29/03/2004	38079.9625	9:49	0.0445	PCI/G	0.0212	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.348	0.0554	PCI/G	0		29/03/2004	38079.9625	9:49	0.0391	PCI/G	0.0189	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0213	0.0436	PCI/G	0	U	29/03/2004	38079.9625	9:49	0.0836	PCI/G	0.0384	PCI/G	1	7.2	PR	
3100-0000-182-C-4C	04-0934	109720025	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	1.15	1.5	PCI/G	0	U		7/4/2004	5:28	2.43	PCI/G	1.21	PCI/G	1	7.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0007	0.005	PCI/G	0	U	30/03/2004	38081.52986	7:31	0.0099	PCI/G	0.0048	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0343	0.0328	PCI/G	0		29/03/2004	38079.9625	9:50	0.0249	PCI/G	0.0117	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0715	0.0262	PCI/G	0		29/03/2004	38079.9625	9:50	0.0249	PCI/G	0.0111	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.33	0.765	PCI/G	0		29/03/2004	38079.9625	9:50	0.285	PCI/G	0.13	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00705	0.0155	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0262	PCI/G	0.0122	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0199	0.0169	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0325	PCI/G	0.0153	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.376	0.0732	PCI/G	0		29/03/2004	38079.9625	9:50	0.0451	PCI/G	0.0212	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.457	0.125	PCI/G	0		29/03/2004	38079.9625	9:50	0.0777	PCI/G	0.0356	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0238	0.0342	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0675	PCI/G	0.0326	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	8.75E-05	0.0112	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.021	PCI/G	0.00993	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0121	0.0595	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0977	PCI/G	0.0472	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00462	0.0125	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0218	PCI/G	0.0102	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0319	0.0354	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0659	PCI/G	0.0315	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.376	0.0732	PCI/G	0		29/03/2004	38079.9625	9:50	0.0451	PCI/G	0.0212	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.345	0.241	PCI/G	0		29/03/2004	38079.9625	9:50	0.19	PCI/G	0.0883	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.116	0.0329	PCI/G	0		29/03/2004	38079.9625	9:50	0.0265	PCI/G	0.0125	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.417	0.0723	PCI/G	0		29/03/2004	38079.9625	9:50	0.0417	PCI/G	0.0198	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.38	0.0685	PCI/G	0		29/03/2004	38079.9625	9:50	0.0456	PCI/G	0.0221	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.013	0.0411	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0723	PCI/G	0.0327	PCI/G	1	6.2	PR	
3100-0000-182-C-5C-01	04-0934	109720026	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	11.4	1.98	PCI/G	0			7/4/2004	6:00	2.59	PCI/G	1.29	PCI/G	1	6.2	PR	

3100-0000-182-C-9C-01	04-0934	109720027	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	-0.0033	0.005	PCI/G	0	U	30/03/2004	38081.52986	7:31	0.0103	PCI/G	0.005	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0328	0.0249	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0339	PCI/G	0.0161	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.00503	0.0236	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0419	PCI/G	0.0196	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	8.65	0.922	PCI/G	0		29/03/2004	38079.9625	9:50	0.307	PCI/G	0.14	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.023	0.0202	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.039	PCI/G	0.0185	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.00167	0.0256	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0415	PCI/G	0.0197	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.297	0.0708	PCI/G	0		29/03/2004	38079.9625	9:50	0.0592	PCI/G	0.0281	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.426	0.167	PCI/G	0		29/03/2004	38079.9625	9:50	0.125	PCI/G	0.0592	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0758	0.0551	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0827	PCI/G	0.0403	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00281	0.0177	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0287	PCI/G	0.0137	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0148	0.0275	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.046	PCI/G	0.0224	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00357	0.0185	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0326	PCI/G	0.0155	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.004	0.043	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.0796	PCI/G	0.0382	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.297	0.0708	PCI/G	0		29/03/2004	38079.9625	9:50	0.0592	PCI/G	0.0281	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.0896	0.206	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.321	PCI/G	0.154	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.131	0.0442	PCI/G	0		29/03/2004	38079.9625	9:50	0.0344	PCI/G	0.0164	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.355	0.0681	PCI/G	0		29/03/2004	38079.9625	9:50	0.0594	PCI/G	0.0285	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.425	0.0621	PCI/G	0		29/03/2004	38079.9625	9:50	0.0434	PCI/G	0.0209	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.00257	0.0679	PCI/G	0	U	29/03/2004	38079.9625	9:50	0.119	PCI/G	0.0558	PCI/G	1	10	PR	
3100-0000-182-C-9C-01	04-0934	109720027	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	0.501	1.42	PCI/G	0	U		7/4/2004	6:32	2.34	PCI/G	1.17	PCI/G	1	10	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0061	0.0063	PCI/G	0	U	30/03/2004	38081.53264	4:47	0.0121	PCI/G	0.0059	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.00444	0.0283	PCI/G	0	U	29/03/2004	38079.9625	9:51	0.0285	PCI/G	0.0134	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0119	0.0178	PCI/G	0	U	29/03/2004	38079.9625	9:51	0.035	PCI/G	0.0161	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	8.82	1.01	PCI/G	0		29/03/2004	38079.9625	9:51	0.274	PCI/G	0.123	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0153	0.0148	PCI/G	0	U	29/03/2004	38079.9625	9:51	0.0291	PCI/G	0.0136	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0184	0.0216	PCI/G	0	U	29/03/2004	38079.9625	9:51	0.0335	PCI/G	0.0157	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.301	0.0652	PCI/G	0		29/03/2004	38079.9625	9:51	0.0518	PCI/G	0.0244	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.454	0.126	PCI/G	0		29/03/2004	38079.9625	9:51	0.0887	PCI/G	0.0408	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0148	0.0415	PCI/G	0	U	29/03/2004	38079.9625	9:51	0.0803	PCI/G	0.0387	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.0188	0.0262	PCI/G	0	U	29/03/2004	38079.9625	9:51	0.0235	PCI/G	0.0111	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0276	0.104	PCI/G	0	U	29/03/2004	38079.9625	9:51	0.168	PCI/G	0.0805	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00855	0.0131	PCI/G	0	U	29/03/2004	38079.9625	9:51	0.0225	PCI/G	0.0105	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0438	0.0516	PCI/G	0	U	29/03/2004	38079.9625	9:51	0.0679	PCI/G	0.0322	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.301	0.0652	PCI/G	0		29/03/2004	38079.9625	9:51	0.0518	PCI/G	0.0244	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.381	0.206	PCI/G	0		29/03/2004	38079.9625	9:51	0.189	PCI/G	0.0874	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.124	0.0317	PCI/G	0		29/03/2004	38079.9625	9:51	0.024	PCI/G	0.0112	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.352	0.073	PCI/G	0		29/03/2004	38079.9625	9:51	0.0475	PCI/G	0.0225	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.42	0.056	PCI/G	0		29/03/2004	38079.9625	9:51	0.0383	PCI/G	0.0183	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0278	0.0558	PCI/G	0	U	29/03/2004	38079.9625	9:51	0.0956	PCI/G	0.044	PCI/G	1	9.2	PR	
3100-0000-182-C-9C-02	04-0934	109720028	322589	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	0.867	1.51	PCI/G	0	U		7/4/2004	7:05	2.47	PCI/G	1.23	PCI/G	1	9.2	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320767	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	2.26	1.47	PCI/G	0	U		4/4/2004	10:42	2.31	PCI/G	1.16	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0058	0.0048	PCI/G	0	U	30/03/2004	38081.52986	7:31	0.0091	PCI/G	0.0044	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0147	0.0191	PCI/G	0	U	29/03/2004	38079.9625	9:52	0.0372	PCI/G	0.0176	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0187	0.0186	PCI/G	0	U	29/03/2004	38079.9625	9:52	0.0388	PCI/G	0.0177	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	6.19	0.783	PCI/G	0		29/03/2004	38079.9625	9:52	0.354	PCI/G	0.161	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00584	0.0187	PCI/G	0	U	29/03/2004	38079.9625	9:52	0.0354	PCI/G	0.0164	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0114	0.0198	PCI/G	0	U	29/03/2004	38079.9625	9:52	0.0383	PCI/G	0.0179	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.429	0.0885	PCI/G	0		29/03/2004	38079.9625	9:52	0.0598	PCI/G	0.0282	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.48	0.143	PCI/G	0		29/03/2004	38079.9625	9:52	0.12	PCI/G	0.0557	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0165	0.045	PCI/G	0	U	29/03/2004	38079.9625	9:52	0.0586	PCI/G	0.0281	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0146	0.0146	PCI/G	0	U	29/03/2004	38079.9625	9:52	0.0244	PCI/G	0.0115	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0129	0.0278	PCI/G	0	U	29/03/2004	38079.9625	9:52	0.0409	PCI/G	0.0198	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00187	0.0154	PCI/G	0	U	29/03/2004	38079.9625	9:52	0.0284	PCI/G	0.0133	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0061	0.0384	PCI/G	0	U	29/03/2004	38079.9625	9:52	0.0717	PCI/G	0.034	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.429	0.0885	PCI/G	0		29/03/2004	38079.9625	9:52	0.0598	PCI/G	0.0282	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.319	0.222	PCI/G	0		29/03/2004	38079.9625	9:52	0.246	PCI/G	0.114	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.141	0.0376	PCI/G	0		29/03/2004	38079.9625	9:52	0.0348	PCI/G	0.0164	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.477	0.0773	PCI/G	0		29/03/2004	38079.9625	9:52	0.0505	PCI/G	0.0239	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.381	0.0526	PCI/G	0		29/03/2004	38079.9625	9:52	0.0395	PCI/G	0.0189	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-01	04-0934	109720029	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.00676	0.0542	PCI/G	0	U	29/03/2004	38079.9625	9:52	0.103	PCI/G	0.0471	PCI/G	1	8.6	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320767	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	7.54	1.72	PCI/G	0			4/4/2004	11:14	2.4	PCI/G	1.2	PCI/G	1	9.7	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0027	0.0035	PCI/G	0	U	30/03/2004	38081.53125	3:56	0.0068	PCI/G	0.0033	PCI/G	1	9.7	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0358	0.0284	PCI/G	0		29/03/2004	38079.9625	9:53	0.0198	PCI/G	0.00941	PCI/G	1	9.7	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0706	0.0189	PCI/G	0		29/03/2004	38079.9625	9:53	0.0202	PCI/G	0.0094	PCI/G	1	9.7	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.09	0.672	PCI/G	0		29/03/2004	38079.9625	9:53	0.195	PCI/G	0.0904	PCI/G	1	9.7	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.008	0.0141	PCI/G	0	U	29/03/2004	38079.9625	9:53	0.0228	PCI/G	0.0109	PCI/G	1	9.7	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0139	PCI/G	0	UUI	29/03/2004	38079.9625	9:53	0.0247	PCI/G	0.0118	PCI/G	1	9.7	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.424	0.0749	PCI/G	0		29/03/2004	38079.9625	9:53	0.0381	PCI/G	0.0183	PCI/G	1	9.7	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.498	0.126	PCI/G	0		29/03/2004	38079.9625	9:53	0.0669	PCI/G	0.0315	PCI/G	1	9.7	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0227	0.0405	PCI/G	0	U	29/03/2004	38079.9625	9:53	0.0749	PCI/G	0.0365	PCI/G	1	9.7	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00421	0.00991	PCI/G	0	U	29/03/2004	38079.9625	9:53	0.0181	PCI/G	0.00865	PCI/G	1	9.7	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.036	0.0657	PCI/G	0	U	29/03/2004	38079.9625	9:53	0.121	PCI/G	0.059	PCI/G	1	9.7	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00914	0.0096	PCI/G	0	U	29/03/2004	38079.9625	9:53	0.0187	PCI/G	0.00895	PCI/G	1	9.7	PR	
3100-0000-183-C-1C-02	04-0934	109720030	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.000529	0.0316	PCI/G	0	U	29/03/2004	38079.9625	9:53	0.057	PCI/G	0.0275	PCI/G	1	9.7	PR	

3100-0000-183-C-1C-02	04-0934	109720030	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.424	0.0749	PCI/G	0		29/03/2004	38079.9625	9:53	0.0381	PCI/G	0.0183	PCI/G	1	9.7	PR		
3100-0000-183-C-1C-02	04-0934	109720030	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.402	0.15	PCI/G	0		29/03/2004	38079.9625	9:53	0.148	PCI/G	0.0704	PCI/G	1	9.7	PR		
3100-0000-183-C-1C-02	04-0934	109720030	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.144	0.0294	PCI/G	0		29/03/2004	38079.9625	9:53	0.02	PCI/G	0.00952	PCI/G	1	9.7	PR		
3100-0000-183-C-1C-02	04-0934	109720030	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.536	0.0711	PCI/G	0		29/03/2004	38079.9625	9:53	0.0401	PCI/G	0.0193	PCI/G	1	9.7	PR		
3100-0000-183-C-1C-02	04-0934	109720030	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.442	0.0506	PCI/G	0		29/03/2004	38079.9625	9:53	0.033	PCI/G	0.016	PCI/G	1	9.7	PR		
3100-0000-183-C-1C-02	04-0934	109720030	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.011	0.0339	PCI/G	0	U	29/03/2004	38079.9625	9:53	0.06	PCI/G	0.028	PCI/G	1	9.7	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320767	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	5.29	1.71	PCI/G	0			4/4/2004	11:46	2.52	PCI/G	1.26	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0044	0.0046	PCI/G	0	U	30/03/2004	38081.53125	3:56	0.0087	PCI/G	0.0042	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0264	0.0202	PCI/G	0		29/03/2004	38079.9625	9:54	0.0201	PCI/G	0.00957	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0183	PCI/G	0	UUI	29/03/2004	38079.9625	9:54	0.0198	PCI/G	0.00918	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.7	0.709	PCI/G	0		29/03/2004	38079.9625	9:54	0.185	PCI/G	0.0857	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00215	0.0116	PCI/G	0	U	29/03/2004	38079.9625	9:54	0.0204	PCI/G	0.00966	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0179	PCI/G	0	UUI	29/03/2004	38079.9625	9:54	0.0242	PCI/G	0.0115	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.383	0.0644	PCI/G	0		29/03/2004	38079.9625	9:54	0.0368	PCI/G	0.0176	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.415	0.109	PCI/G	0		29/03/2004	38079.9625	9:54	0.0685	PCI/G	0.0323	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.014	0.033	PCI/G	0	U	29/03/2004	38079.9625	9:54	0.063	PCI/G	0.0306	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00066	0.0096	PCI/G	0	U	29/03/2004	38079.9625	9:54	0.0172	PCI/G	0.00821	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0097	0.0381	PCI/G	0	U	29/03/2004	38079.9625	9:54	0.0668	PCI/G	0.0324	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.004	0.00969	PCI/G	0	U	29/03/2004	38079.9625	9:54	0.0171	PCI/G	0.00813	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.00114	0.035	PCI/G	0	U	29/03/2004	38079.9625	9:54	0.0562	PCI/G	0.0271	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.383	0.0644	PCI/G	0		29/03/2004	38079.9625	9:54	0.0368	PCI/G	0.0176	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.182	0.141	PCI/G	0		29/03/2004	38079.9625	9:54	0.15	PCI/G	0.0709	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.11	0.0263	PCI/G	0		29/03/2004	38079.9625	9:54	0.0207	PCI/G	0.0099	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.446	0.06	PCI/G	0		29/03/2004	38079.9625	9:54	0.0379	PCI/G	0.0183	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.385	0.0451	PCI/G	0		29/03/2004	38079.9625	9:54	0.033	PCI/G	0.016	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	109720031	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0156	0.0362	PCI/G	0	U	29/03/2004	38079.9625	9:54	0.0626	PCI/G	0.0294	PCI/G	1	7.2	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320767	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	0.391	1.49	PCI/G	0	U		4/4/2004	12:18	2.48	PCI/G	1.24	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.005	0.0051	PCI/G	0	U	30/03/2004	38081.60069	3:56	0.0098	PCI/G	0.0047	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0323	0.0377	PCI/G	0	U	29/03/2004	38079.9625	9:55	0.0359	PCI/G	0.017	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00221	0.021	PCI/G	0	U	29/03/2004	38079.9625	9:55	0.0371	PCI/G	0.0171	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.29	0.796	PCI/G	0		29/03/2004	38079.9625	9:55	0.285	PCI/G	0.128	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.000337	0.0201	PCI/G	0	U	29/03/2004	38079.9625	9:55	0.0368	PCI/G	0.0173	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0421	PCI/G	0	UUI	29/03/2004	38079.9625	9:55	0.0424	PCI/G	0.0201	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.478	0.0975	PCI/G	0		29/03/2004	38079.9625	9:55	0.0588	PCI/G	0.0278	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.445	0.14	PCI/G	0		29/03/2004	38079.9625	9:55	0.0995	PCI/G	0.046	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.051	0.048	PCI/G	0	U	29/03/2004	38079.9625	9:55	0.0894	PCI/G	0.0437	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0055	0.0156	PCI/G	0	U	29/03/2004	38079.9625	9:55	0.0276	PCI/G	0.0132	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0199	0.0402	PCI/G	0	U	29/03/2004	38079.9625	9:55	0.0682	PCI/G	0.0333	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.000271	0.0165	PCI/G	0	U	29/03/2004	38079.9625	9:55	0.029	PCI/G	0.0137	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.00338	0.0457	PCI/G	0	U	29/03/2004	38079.9625	9:55	0.0835	PCI/G	0.0402	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.478	0.0975	PCI/G	0		29/03/2004	38079.9625	9:55	0.0588	PCI/G	0.0278	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.413	0.252	PCI/G	0		29/03/2004	38079.9625	9:55	0.248	PCI/G	0.117	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.124	0.044	PCI/G	0		29/03/2004	38079.9625	9:55	0.0344	PCI/G	0.0163	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.508	0.0845	PCI/G	0		29/03/2004	38079.9625	9:55	0.0601	PCI/G	0.0289	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.354	0.057	PCI/G	0		29/03/2004	38079.9625	9:55	0.0472	PCI/G	0.0229	PCI/G	1	8	PR		
3100-0000-183-C-6C-01	04-0934	109720032	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0122	0.0885	PCI/G	0	U	29/03/2004	38079.9625	9:55	0.113	PCI/G	0.0528	PCI/G	1	8	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320767	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	1.54	1.31	PCI/G	0	U		4/4/2004	12:50	2.09	PCI/G	1.05	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0048	0.0048	PCI/G	0	U	30/03/2004	38081.60069	3:56	0.0092	PCI/G	0.0045	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.00961	0.0181	PCI/G	0	U	29/03/2004	38079.9625	10:14	0.0261	PCI/G	0.0124	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00184	0.014	PCI/G	0	U	29/03/2004	38079.9625	10:14	0.0257	PCI/G	0.0117	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.57	0.772	PCI/G	0		29/03/2004	38079.9625	10:14	0.217	PCI/G	0.0972	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00181	0.0146	PCI/G	0	U	29/03/2004	38079.9625	10:14	0.0264	PCI/G	0.0124	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0274	PCI/G	0	UUI	29/03/2004	38079.9625	10:14	0.0295	PCI/G	0.0139	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.448	0.0709	PCI/G	0		29/03/2004	38079.9625	10:14	0.0469	PCI/G	0.0223	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.439	0.113	PCI/G	0		29/03/2004	38079.9625	10:14	0.0901	PCI/G	0.0422	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0209	0.0376	PCI/G	0	U	29/03/2004	38079.9625	10:14	0.0728	PCI/G	0.0354	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00161	0.0115	PCI/G	0	U	29/03/2004	38079.9625	10:14	0.0209	PCI/G	0.00993	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0256	0.0579	PCI/G	0	U	29/03/2004	38079.9625	10:14	0.101	PCI/G	0.0488	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00556	0.0117	PCI/G	0	U	29/03/2004	38079.9625	10:14	0.0224	PCI/G	0.0106	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.00597	0.0362	PCI/G	0	U	29/03/2004	38079.9625	10:14	0.0679	PCI/G	0.0326	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.448	0.0709	PCI/G	0		29/03/2004	38079.9625	10:14	0.0469	PCI/G	0.0223	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.289	0.158	PCI/G	0		29/03/2004	38079.9625	10:14	0.193	PCI/G	0.0908	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.134	0.0281	PCI/G	0		29/03/2004	38079.9625	10:14	0.0243	PCI/G	0.0115	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.504	0.0775	PCI/G	0		29/03/2004	38079.9625	10:14	0.0459	PCI/G	0.022	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.381	0.0497	PCI/G	0		29/03/2004	38079.9625	10:14	0.037	PCI/G	0.0178	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-01	04-0934	109720033	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0222	0.0281	PCI/G	0	U	29/03/2004	38079.9625	10:14	0.0754	PCI/G	0.0346	PCI/G	1	7.7	PR		
3100-0000-183-C-9C-02	04-0934	109720034	320767	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	1.11	1.41	PCI/G	0	U		4/4/2004	1:22	2.28	PCI/G	1.14	PCI/G	1	7.2	PR		
3100-0000-183-C-9C-02	04-0934	109720034	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0291	0.0061	PCI/G	0		30/03/2004	38081.60139	3:29	0.0104	PCI/G	0.0051	PCI/G	1	7.2	PR		
3100-0000-183-C-9C-02	04-0934	109720034	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.229	0.0362	PCI/G	0		29/03/2004	38079.9625	10:15	0.0286	PCI/G	0.0134	PCI/G	1	7.2	PR		
3100-0000-183-C-9C-02	04-0934	109720034	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0108	0.0177	PCI/G	0	U	29/03/2004	38079.9625	10:15	0.0353	PCI/G	0.016	PCI/G	1	7.2	PR		
3100-0000-183-C-9C-02	04-0934	109720034	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.42	0.856	PCI/G	0		29/03/2004	38079.9625	10:15	0.279	PCI/G	0.124	PCI/G	1	7.2	PR		
3100-0000-183-C-9C-02	04-0934	109720034	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00931	0.0174	PCI/G	0	U	29/03/2004	38079.9625	10:15	0.0299	PCI/G	0.0138	PCI/G	1	7.2	PR		
3100-0000-183-C-9C-02	04-0934	109720034	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.03	PCI/G	0	UUI	29/03/2004	38079.9625	10:15	0.0448	PCI/G	0.0212	PCI/G	1	7.2	PR		
3100-0000-183-C-9C-02	04-0934	109720034	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.513	0.0938	PCI/G	0		29/03/2004	38079.9625	10:15	0.0576	PCI/G	0.0272	PCI/G	1	7.2	PR		

3100-0000-183-C-9C-02	04-0934	109720034	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.563	0.156	PCI/G	0		29/03/2004	38079.9625	10:15	0.104	PCI/G	0.0478	PCI/G	1	7.2	PR	
3100-0000-183-C-9C-02	04-0934	109720034	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00137	0.0468	PCI/G	0	U	29/03/2004	38079.9625	10:15	0.0903	PCI/G	0.0437	PCI/G	1	7.2	PR	
3100-0000-183-C-9C-02	04-0934	109720034	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00208	0.0161	PCI/G	0	U	29/03/2004	38079.9625	10:15	0.0285	PCI/G	0.0135	PCI/G	1	7.2	PR	
3100-0000-183-C-9C-02	04-0934	109720034	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0302	0.0801	PCI/G	0	U	29/03/2004	38079.9625	10:15	0.137	PCI/G	0.0662	PCI/G	1	7.2	PR	
3100-0000-183-C-9C-02	04-0934	109720034	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00742	0.0154	PCI/G	0	U	29/03/2004	38079.9625	10:15	0.029	PCI/G	0.0136	PCI/G	1	7.2	PR	
3100-0000-183-C-9C-02	04-0934	109720034	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.000498	0.0495	PCI/G	0	U	29/03/2004	38079.9625	10:15	0.0881	PCI/G	0.0422	PCI/G	1	7.2	PR	
3100-0000-183-C-9C-02	04-0934	109720034	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.513	0.0938	PCI/G	0		29/03/2004	38079.9625	10:15	0.0576	PCI/G	0.0272	PCI/G	1	7.2	PR	
3100-0000-183-C-9C-02	04-0934	109720034	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.354	0.233	PCI/G	0		29/03/2004	38079.9625	10:15	0.241	PCI/G	0.113	PCI/G	1	7.2	PR	
3100-0000-183-C-9C-02	04-0934	109720034	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.144	0.0402	PCI/G	0		29/03/2004	38079.9625	10:15	0.0295	PCI/G	0.0138	PCI/G	1	7.2	PR	
3100-0000-183-C-9C-02	04-0934	109720034	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.623	0.1	PCI/G	0		29/03/2004	38079.9625	10:15	0.0604	PCI/G	0.0289	PCI/G	1	7.2	PR	
3100-0000-183-C-9C-02	04-0934	109720034	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.427	0.0614	PCI/G	0		29/03/2004	38079.9625	10:15	0.052	PCI/G	0.0251	PCI/G	1	7.2	PR	
3100-0000-183-C-9C-02	04-0934	109720034	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0137	0.0527	PCI/G	0	U	29/03/2004	38079.9625	10:15	0.0951	PCI/G	0.0433	PCI/G	1	7.2	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320767	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	6.28	1.6	PCI/G	0			4/4/2004	1:54	2.28	PCI/G	1.14	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0006	0.0039	PCI/G	0	U	30/03/2004	38081.60139	3:29	0.0077	PCI/G	0.0037	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.058	0.0206	PCI/G	0		29/03/2004	38079.9625	12:09	0.026	PCI/G	0.0122	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.137	0.0332	PCI/G	0		29/03/2004	38079.9625	12:09	0.0256	PCI/G	0.0116	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.38	0.766	PCI/G	0		29/03/2004	38079.9625	12:09	0.234	PCI/G	0.105	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0148	0.0158	PCI/G	0	U	29/03/2004	38079.9625	12:09	0.0311	PCI/G	0.0146	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0268	0.0218	PCI/G	0	U	29/03/2004	38079.9625	12:09	0.0335	PCI/G	0.0158	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.333	0.0719	PCI/G	0		29/03/2004	38079.9625	12:09	0.0488	PCI/G	0.0231	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.401	0.101	PCI/G	0		29/03/2004	38079.9625	12:09	0.0811	PCI/G	0.0374	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0185	0.0441	PCI/G	0	U	29/03/2004	38079.9625	12:09	0.0776	PCI/G	0.0377	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00417	0.0122	PCI/G	0	U	29/03/2004	38079.9625	12:09	0.022	PCI/G	0.0104	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0122	0.0533	PCI/G	0	U	29/03/2004	38079.9625	12:09	0.103	PCI/G	0.0499	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0136	0.0136	PCI/G	0	U	29/03/2004	38079.9625	12:09	0.0222	PCI/G	0.0104	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.039	0.0373	PCI/G	0	U	29/03/2004	38079.9625	12:09	0.0654	PCI/G	0.0312	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.333	0.0719	PCI/G	0		29/03/2004	38079.9625	12:09	0.0488	PCI/G	0.0231	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.22	0.222	PCI/G	0		29/03/2004	38079.9625	12:09	0.19	PCI/G	0.0887	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.14	0.035	PCI/G	0		29/03/2004	38079.9625	12:09	0.0265	PCI/G	0.0125	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.432	0.0733	PCI/G	0		29/03/2004	38079.9625	12:09	0.0476	PCI/G	0.0227	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.395	0.05	PCI/G	0		29/03/2004	38079.9625	12:09	0.0394	PCI/G	0.019	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-01	04-0934	109720035	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00799	0.0442	PCI/G	0	U	29/03/2004	38079.9625	12:09	0.0791	PCI/G	0.0362	PCI/G	1	7.6	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320767	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	3.1	1.45	PCI/G	0			4/4/2004	2:26	2.23	PCI/G	1.11	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0052	0.0048	PCI/G	0	U	30/03/2004	38081.60139	3:29	0.0092	PCI/G	0.0045	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0635	0.033	PCI/G	0		29/03/2004	38079.9625	1:17	0.0249	PCI/G	0.0117	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.077	0.0291	PCI/G	0		29/03/2004	38079.9625	1:17	0.0285	PCI/G	0.013	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.32	0.737	PCI/G	0		29/03/2004	38079.9625	1:17	0.282	PCI/G	0.129	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00304	0.0141	PCI/G	0	U	29/03/2004	38079.9625	1:17	0.0262	PCI/G	0.0122	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0281	0.0194	PCI/G	0	U	29/03/2004	38079.9625	1:17	0.032	PCI/G	0.0151	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.458	0.0813	PCI/G	0		29/03/2004	38079.9625	1:17	0.0476	PCI/G	0.0225	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.407	0.112	PCI/G	0		29/03/2004	38079.9625	1:17	0.093	PCI/G	0.0433	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0185	0.0363	PCI/G	0	U	29/03/2004	38079.9625	1:17	0.0726	PCI/G	0.0352	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00811	0.0116	PCI/G	0	U	29/03/2004	38079.9625	1:17	0.0229	PCI/G	0.0109	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0414	0.0597	PCI/G	0	U	29/03/2004	38079.9625	1:17	0.106	PCI/G	0.0512	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0257	PCI/G	0	UUI	29/03/2004	38079.9625	1:17	0.0235	PCI/G	0.011	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.0156	0.0321	PCI/G	0	U	29/03/2004	38079.9625	1:17	0.0634	PCI/G	0.0302	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.458	0.0813	PCI/G	0		29/03/2004	38079.9625	1:17	0.0476	PCI/G	0.0225	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.307	0.195	PCI/G	0		29/03/2004	38079.9625	1:17	0.187	PCI/G	0.0871	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.0989	0.0316	PCI/G	0		29/03/2004	38079.9625	1:17	0.026	PCI/G	0.0123	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.519	0.0762	PCI/G	0		29/03/2004	38079.9625	1:17	0.0439	PCI/G	0.0209	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.362	0.0458	PCI/G	0		29/03/2004	38079.9625	1:17	0.0357	PCI/G	0.0172	PCI/G	1	7.3	PR	
3100-0000-184-C-1C-02	04-0934	109720036	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0118	0.0459	PCI/G	0	U	29/03/2004	38079.9625	1:17	0.0815	PCI/G	0.0374	PCI/G	1	7.3	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320767	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	13	2	PCI/G	0			4/4/2004	2:58	2.56	PCI/G	1.28	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.009	0.0053	PCI/G	0	U	30/03/2004	38081.60139	3:29	0.0099	PCI/G	0.0048	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0295	0.0176	PCI/G	0		29/03/2004	38079.9625	2:06	0.0279	PCI/G	0.013	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.02	0.0196	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0323	PCI/G	0.0146	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	8.92	0.899	PCI/G	0		29/03/2004	38079.9625	2:06	0.249	PCI/G	0.109	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0121	0.0168	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0323	PCI/G	0.015	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0144	0.0249	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.037	PCI/G	0.0173	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.367	0.0717	PCI/G	0		29/03/2004	38079.9625	2:06	0.051	PCI/G	0.0239	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.572	0.143	PCI/G	0		29/03/2004	38079.9625	2:06	0.0969	PCI/G	0.0445	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0446	0.0578	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0749	PCI/G	0.0361	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00174	0.0136	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0234	PCI/G	0.011	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0452	0.0583	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.115	PCI/G	0.0556	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.0019	0.0147	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0271	PCI/G	0.0127	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.00203	0.0402	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0711	PCI/G	0.0338	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.367	0.0717	PCI/G	0		29/03/2004	38079.9625	2:06	0.051	PCI/G	0.0239	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.321	0.252	PCI/G	0		29/03/2004	38079.9625	2:06	0.208	PCI/G	0.096	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.15	0.0365	PCI/G	0		29/03/2004	38079.9625	2:06	0.0283	PCI/G	0.0133	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.372	0.0752	PCI/G	0		29/03/2004	38079.9625	2:06	0.0486	PCI/G	0.023	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.451	0.0562	PCI/G	0		29/03/2004	38079.9625	2:06	0.0406	PCI/G	0.0195	PCI/G	1	12	PR	
3100-0000-184-C-3C-01	04-0934	109720037	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.000677	0.0563	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0878	PCI/G	0.0396	PCI/G	1	12	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320767	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	2.08	1.51	PCI/G	0	U		4/4/2004	3:30	2.39	PCI/G	1.2	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0118	0.0061	PCI/G	0		30/03/2004	38081.60139	3:46	0.0113	PCI/G	0.0055	PCI/G	1	10	PR	

3100-0000-184-C-5C-01	04-0934	109720038	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0324	0.0253	PCI/G	0		29/03/2004	38079.9625	2:06	0.0264	PCI/G	0.0124	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0058	0.0159	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0305	PCI/G	0.014	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.79	0.806	PCI/G	0		29/03/2004	38079.9625	2:06	0.174	PCI/G	0.0747	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.0058	0.0136	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0257	PCI/G	0.0119	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0359	PCI/G	0	UUI	29/03/2004	38079.9625	2:06	0.032	PCI/G	0.0151	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.39	0.0735	PCI/G	0		29/03/2004	38079.9625	2:06	0.0435	PCI/G	0.0204	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.43	0.113	PCI/G	0		29/03/2004	38079.9625	2:06	0.0846	PCI/G	0.0391	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0219	0.0389	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0783	PCI/G	0.0379	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.000293	0.0106	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0204	PCI/G	0.0096	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0474	0.077	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.148	PCI/G	0.0712	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	-0.000362	0.0116	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0212	PCI/G	0.00992	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00961	0.0375	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0666	PCI/G	0.0318	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.39	0.0735	PCI/G	0		29/03/2004	38079.9625	2:06	0.0435	PCI/G	0.0204	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.327	0.159	PCI/G	0		29/03/2004	38079.9625	2:06	0.172	PCI/G	0.0799	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.148	0.0345	PCI/G	0		29/03/2004	38079.9625	2:06	0.0235	PCI/G	0.011	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.447	0.0736	PCI/G	0		29/03/2004	38079.9625	2:06	0.045	PCI/G	0.0214	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.424	0.0575	PCI/G	0		29/03/2004	38079.9625	2:06	0.04	PCI/G	0.0192	PCI/G	1	10	PR	
3100-0000-184-C-5C-01	04-0934	109720038	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0102	0.0401	PCI/G	0	U	29/03/2004	38079.9625	2:06	0.0768	PCI/G	0.035	PCI/G	1	10	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320767	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	0.295	1.36	PCI/G	0	U		4/4/2004	4:03	2.26	PCI/G	1.13	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	-0.0034	0.0053	PCI/G	0	U	30/03/2004	38081.60139	3:46	0.0108	PCI/G	0.0053	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0167	0.0165	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0265	PCI/G	0.0124	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.00538	0.0173	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0327	PCI/G	0.015	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	6.85	0.806	PCI/G	0		29/03/2004	38079.9625	2:07	0.265	PCI/G	0.119	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	-0.000556	0.0153	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0274	PCI/G	0.0127	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0	0.0285	PCI/G	0	UUI	29/03/2004	38079.9625	2:07	0.0261	PCI/G	0.012	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.459	0.0699	PCI/G	0		29/03/2004	38079.9625	2:07	0.0458	PCI/G	0.0214	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.5	0.136	PCI/G	0		29/03/2004	38079.9625	2:07	0.0796	PCI/G	0.0363	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.00975	0.0387	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0751	PCI/G	0.0363	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	-0.00205	0.0125	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0233	PCI/G	0.011	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0526	0.0603	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.113	PCI/G	0.0546	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.00613	0.0129	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0243	PCI/G	0.0114	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	-0.0322	0.0381	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0636	PCI/G	0.0301	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.459	0.0699	PCI/G	0		29/03/2004	38079.9625	2:07	0.0458	PCI/G	0.0214	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.386	0.175	PCI/G	0		29/03/2004	38079.9625	2:07	0.176	PCI/G	0.0811	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.18	0.0366	PCI/G	0		29/03/2004	38079.9625	2:07	0.0261	PCI/G	0.0122	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.513	0.0801	PCI/G	0		29/03/2004	38079.9625	2:07	0.0489	PCI/G	0.0233	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.512	0.0641	PCI/G	0		29/03/2004	38079.9625	2:07	0.0419	PCI/G	0.0202	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-01	04-0934	109720039	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.0379	0.0476	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0941	PCI/G	0.0434	PCI/G	1	6.1	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320767	10028-17-8	Tritium	TRG L.	Item 2	0UE906.0	E906.0	REG	24.1	2.18	PCI/G	0			4/4/2004	4:35	2.33	PCI/G	1.17	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320928	10098-97-2	Strontium-90	TRG L.	Item 4	5UE905M	E905M	REG	0.0053	0.0039	PCI/G	0	U	30/03/2004	38081.60139	3:46	0.0073	PCI/G	0.0035	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	10045-97-3	Cesium-137	TRG L.	Item 8	UHASL300	HASL300	REG	0.0221	0.0176	PCI/G	0		29/03/2004	38079.9625	2:07	0.0209	PCI/G	0.00978	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	10198-40-0	Cobalt-60	TRG L.	Item 8	UHASL300	HASL300	REG	0.0106	0.0161	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0281	PCI/G	0.0129	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	13966-00-2	Potassium-40	TRG L.	Item 8	UHASL300	HASL300	REG	7.79	0.813	PCI/G	0		29/03/2004	38079.9625	2:07	0.228	PCI/G	0.103	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	13966-31-9	Manganese-54	TRG L.	Item 8	UHASL300	HASL300	REG	0.00716	0.016	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0223	PCI/G	0.0104	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	13967-70-9	Cesium-134	TRG L.	Item 8	UHASL300	HASL300	REG	0.0218	0.0199	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0299	PCI/G	0.0141	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	13982-63-3	Radium-226	TRG L.	Item 8	UHASL300	HASL300	REG	0.466	0.0712	PCI/G	0		29/03/2004	38079.9625	2:07	0.0457	PCI/G	0.0217	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	14331-83-0	Actinium-228	TRG L.	Item 8	UHASL300	HASL300	REG	0.474	0.109	PCI/G	0		29/03/2004	38079.9625	2:07	0.067	PCI/G	0.0307	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	14391-16-3	Europium-155	TRG L.	Item 8	UHASL300	HASL300	REG	0.0137	0.0365	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0714	PCI/G	0.0346	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	14391-65-2	Silver-108m	TRG L.	Item 8	UHASL300	HASL300	REG	0.00938	0.0105	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0209	PCI/G	0.00992	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	14596-10-2	Americium-241	TRG L.	Item 8	UHASL300	HASL300	REG	0.0355	0.0792	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.145	PCI/G	0.0704	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	14681-63-1	Niobium-94	TRG L.	Item 8	UHASL300	HASL300	REG	0.000893	0.0127	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0203	PCI/G	0.00953	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	14683-23-9	Europium-152	TRG L.	Item 8	UHASL300	HASL300	REG	0.00616	0.0329	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0633	PCI/G	0.0303	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	14733-03-0	Bismuth-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.466	0.0712	PCI/G	0		29/03/2004	38079.9625	2:07	0.0457	PCI/G	0.0217	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	14913-49-6	Bismuth-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.303	0.203	PCI/G	0		29/03/2004	38079.9625	2:07	0.177	PCI/G	0.0832	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	14913-50-9	Thallium-208	TRG L.	Item 8	UHASL300	HASL300	REG	0.143	0.0293	PCI/G	0		29/03/2004	38079.9625	2:07	0.0223	PCI/G	0.0105	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	15067-28-4	Lead-214	TRG L.	Item 8	UHASL300	HASL300	REG	0.628	0.082	PCI/G	0		29/03/2004	38079.9625	2:07	0.0426	PCI/G	0.0204	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	15092-94-1	Lead-212	TRG L.	Item 8	UHASL300	HASL300	REG	0.424	0.0531	PCI/G	0		29/03/2004	38079.9625	2:07	0.0373	PCI/G	0.018	PCI/G	1	7.5	PR	
3100-0000-184-C-8C-02	04-0934	109720040	320976	15585-10-1	Europium-154	TRG L.	Item 8	UHASL300	HASL300	REG	0.042	0.0433	PCI/G	0	U	29/03/2004	38079.9625	2:07	0.0786	PCI/G	0.0363	PCI/G	1	7.5	PR	
	04-0934	1200595827	320681	14596-10-2	Americium-241	TRG		U	AM05RCM	LB1	0.00734	0.00863	PCI/G	0	U		2/4/2004	10:38	0.0136	PCI/G	0.00483	PCI/G	1	0	PR	
	04-0934	1200595827	320681	OER-100-93	Curium-242	TRG		U	AM05RCM	LB1	0	0.00583	PCI/G	0	U		2/4/2004	10:38	0.0138	PCI/G	0.00489	PCI/G	1	0	PR	
	04-0934	1200595827	320681	OER-101-57	Curium-243/244	TRG		U	AM05RCM	LB1	0	0.00407	PCI/G	0	U		2/4/2004	10:38	0.0108	PCI/G	0.00341	PCI/G	1	0	PR	
3100-0000-176-C-3C-01	04-0934	1200595828	320681	14596-10-2	Americium-241	TRG		U	AM05RCM	LR1	0.00258	0.0156	PCI/G	0	U		5/4/2004	3:30	0.0357	PCI/G	0.0142	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	1200595828	320681	OER-100-93	Curium-242	TRG		U	AM05RCM	LR1	-0.00157	0.00796	PCI/G	0	U		5/4/2004	3:30	0.0258	PCI/G	0.00875	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	1200595828	320681	OER-101-57	Curium-243/244	TRG		U	AM05RCM	LR1	-0.00709	0.0195	PCI/G	0	U		5/4/2004	3:30	0.0486	PCI/G	0.0206	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	1200595829	320681	14596-10-2	Americium-241	TRG		U	AM05RCM	MS1	4.98	0.325	PCI/G	0			2/4/2004	10:02	0.0663	PCI/G	0.0257	PCI/G	1	6.1	4.47	PR
3100-0000-176-C-3C-01	04-0934	1200595829	320681	OER-100-93	Curium-242	TRG		U	AM05RCM	MS1	-0.00309	0.00605	PCI/G	0	U		2/4/2004	10:02	0.0368	PCI/G	0.0101	PCI/G	1	6.1	PR	
3100-0000-176-C-3C-01	04-0934	1200595829	320681	OER-101-57	Curium-243/244	TRG		U	AM05RCM	MS1	6.31	0.368	PCI/G	0			2/4/2004	10:02	0.0922	PCI/G	0.0387	PCI/G	1	6.1	5.82	PR
	04-0934	1200595830	320681	14596-10-2	Americium-241	TRG		U	AM05RCM	BS1	2.98	0.19	PCI/G	0			2/4/2004	10:02	0.0292	PCI/G	0.0103	PCI/G	1	0	2.69	PR
	04-0934	1200595830	320681	OER-100-93	Curium-242	TRG		U	AM05RCM	BS1	-0.0016	0.00314	PCI/G	0	U		2/4/2004	10:02	0.0191	PCI/G	0.00524	PCI/G	1	0	PR	
	04-0934	1200595830	320681	OER-101-57	Curium-243/244	TRG		U	AM05RCM	BS1	3.88	0.217	PCI/G	0			2/4/2004	10:02	0.0457	PCI/G	0.0186	PCI/G	1	0	3.48	PR
	04-0934	1200595835	320682	13981-16-3	Plutonium-238	TRG		U	PU11RCM	LB1	-0.00126	0.00636	PCI/G	0	U		2/4/2004	10:03	0.0206	PCI/G	0.007	PCI/G	1	0	PR	
	04-0934	1200595835	320682	OER-100-70	Plutonium-239/240	TRG		U	PU11RCM	LB1	0.00118	0.00796	PCI/G	0	U		2/4/2004	10:03	0.0206	PCI/G	0.007	PCI/G	1	0	PR	
3100-0000-176-C-3C-01	04-0934	1200595836	320682	13981-16-3	Plutonium-238	TRG		U	PU11RCM	LR1	0.00539	0.0137	PCI/G	0	U		2/4/2004	10:03	0.0296	PCI/G	0.0111	PCI/G	1	6.1	PR	
3100-0000-178-C-3C-01	04-0934	1200595836	320682	OER-100-70	Plutonium-239/240	TRG		U	PU11RCM	LR1	-2.73E-05	0.00659	PCI/G	0	U		2/4/2004	10:03	0.0202	PCI/G	0.00639	PCI/G	1	6.1	PR	

3100-0000-176-C-3C-01	04-0934	1200595837	320682	13981-16-3	Plutonium-238	TRG		U	PU11RCM	MS1	-0.00244	0.0241	PCI/G	0	U		2/4/2004	10:03	0.0601	PCI/G	0.0241	PCI/G	1	6.1	PR		
3100-0000-176-C-3C-01	04-0934	1200595837	320682	OER-100-70	Plutonium-239/240	TRG		U	PU11RCM	MS1	3.95	0.258	PCI/G	0			2/4/2004	10:03	0.0264	PCI/G	0.00727	PCI/G	1	6.1	3.77	PR	
	04-0934	1200595838	320682	13981-16-3	Plutonium-238	TRG		U	PU11RCM	BS1	0.00864	0.01	PCI/G	0	U		2/4/2004	10:03	0.0149	PCI/G	0.00409	PCI/G	1	0	PR		
	04-0934	1200595838	320682	OER-100-70	Plutonium-239/240	TRG		U	PU11RCM	BS1	2.02	0.139	PCI/G	0			2/4/2004	10:03	0.0183	PCI/G	0.00578	PCI/G	1	0	2.26	PR	
	04-0934	1200595849	320686	14119-32-5	Plutonium-241	TRG		U	PU11RCM	LB1	-0.623	2.55	PCI/G	0	U		5/4/2004	6:57	4.38	PCI/G	2.15	PCI/G	1	0	PR		
3100-0000-176-C-3C-01	04-0934	1200595850	320686	14119-32-5	Plutonium-241	TRG		U	PU11RCM	LR1	-0.961	2.18	PCI/G	0	U		5/4/2004	8:00	3.76	PCI/G	1.84	PCI/G	1	6.1	PR		
3100-0000-176-C-3C-01	04-0934	1200595851	320686	14119-32-5	Plutonium-241	TRG		U	PU11RCM	MS1	103	6.54	PCI/G	0			5/4/2004	9:03	7.93	PCI/G	3.89	PCI/G	1	6.1	135	PR	
	04-0934	1200595852	320686	14119-32-5	Plutonium-241	TRG		U	PU11RCM	BS1	63.8	3.76	PCI/G	0			5/4/2004	10:06	4.45	PCI/G	2.19	PCI/G	1	0	71.8	PR	
	04-0934	1200595893	320713	10098-97-2	Strontium-90	TRG		U	E905M	LB1	0.0095	0.0019	PCI/G	0			6/4/2004	5:54	0.0021	PCI/G	0.001	PCI/G	1	0	PR		
3100-0000-176-C-8C-01	04-0934	1200595894	320713	10098-97-2	Strontium-90	TRG		U	E905M	LR1	0.0089	0.002	PCI/G	0			6/4/2004	5:54	0.0023	PCI/G	0.001	PCI/G	1	5.7	PR		
3100-0000-176-C-8C-01	04-0934	1200595895	320713	10098-97-2	Strontium-90	TRG		U	E905M	MS1	2.17	0.111	PCI/G	0			5/4/2004	11:41	0.0182	PCI/G	0.0071	PCI/G	1	5.7	2.46	PR	
	04-0934	1200595896	320713	10098-97-2	Strontium-90	TRG		U	E905M	BS1	0.946	0.0471	PCI/G	0			5/4/2004	11:41	0.0072	PCI/G	0.0028	PCI/G	1	0	0.977	PR	
	04-0934	1200596051	320767	10028-17-8	Tritium	TRG		U	E906.0	LB1	-0.122	1.42	PCI/G	0	U		4/4/2004	5:06	2.39	PCI/G	1.19	PCI/G	1	0	PR		
3100-0000-183-C-5C-01	04-0934	1200596052	320767	10028-17-8	Tritium	TRG		U	E906.0	LR1	4.71	1.68	PCI/G	0			5/4/2004	1:40	2.49	PCI/G	1.25	PCI/G	1	7.2	PR		
3100-0000-183-C-5C-01	04-0934	1200596053	320767	10028-17-8	Tritium	TRG		U	E906.0	MS1	19.6	2.15	PCI/G	0			5/4/2004	2:12	2.45	PCI/G	1.23	PCI/G	1	7.2	15.4	PR	
	04-0934	1200596054	320767	10028-17-8	Tritium	TRG		U	E906.0	BS1	16	1.93	PCI/G	0			4/4/2004	6:42	2.3	PCI/G	1.15	PCI/G	1	0	16.4	PR	
	04-0934	1200596400	320928	10098-97-2	Strontium-90	TRG		U	E905M	LB1	0.0012	0.004	PCI/G	0	U		6/4/2004	4:39	0.0078	PCI/G	0.0038	PCI/G	1	0	PR		
3100-0000-181-C-6C-01	04-0934	1200596401	320928	10098-97-2	Strontium-90	TRG		U	E905M	LR1	0.0107	0.0073	PCI/G	0	U		7/4/2004	5:16	0.0138	PCI/G	0.0067	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596402	320928	10098-97-2	Strontium-90	TRG		U	E905M	MS1	1.73	0.0954	PCI/G	0			5/4/2004	6:45	0.0468	PCI/G	0.0216	PCI/G	1	7.1	1.94	PR	
	04-0934	1200596403	320928	10098-97-2	Strontium-90	TRG		U	E905M	BS1	0.956	0.0472	PCI/G	0			5/4/2004	6:45	0.0225	PCI/G	0.0105	PCI/G	1	0	0.977	PR	
	04-0934	1200596563	320976	10045-97-3	Cesium-137	TRG		U	HASL300	LB1	0.00489	0.0309	PCI/G	0	U		6/4/2004	2:08	0.0242	PCI/G	0.0109	PCI/G	1	0	PR		
	04-0934	1200596563	320976	10198-40-0	Cobalt-60	TRG		U	HASL300	LB1	0.00587	0.0163	PCI/G	0	U		6/4/2004	2:08	0.0323	PCI/G	0.014	PCI/G	1	0	PR		
	04-0934	1200596563	320976	13966-00-2	Potassium-40	TRG		U	HASL300	LB1	0.0636	0.193	PCI/G	0	U		6/4/2004	2:08	0.369	PCI/G	0.163	PCI/G	1	0	PR		
	04-0934	1200596563	320976	13966-31-9	Manganese-54	TRG		U	HASL300	LB1	0.00517	0.0157	PCI/G	0	U		6/4/2004	2:08	0.0287	PCI/G	0.013	PCI/G	1	0	PR		
	04-0934	1200596563	320976	13967-70-9	Cesium-134	TRG		U	HASL300	LB1	0.00105	0.0158	PCI/G	0	U		6/4/2004	2:08	0.0284	PCI/G	0.0127	PCI/G	1	0	PR		
	04-0934	1200596563	320976	13982-63-3	Radium-226	TRG		U	HASL300	LB1	-0.00313	0.0325	PCI/G	0	U		6/4/2004	2:08	0.0566	PCI/G	0.0261	PCI/G	1	0	PR		
	04-0934	1200596563	320976	14331-83-0	Actinium-228	TRG		U	HASL300	LB1	0.0356	0.0554	PCI/G	0	U		6/4/2004	2:08	0.11	PCI/G	0.0497	PCI/G	1	0	PR		
	04-0934	1200596563	320976	14391-16-3	Europium-155	TRG		U	HASL300	LB1	-0.00104	0.033	PCI/G	0	U		6/4/2004	2:08	0.0591	PCI/G	0.0278	PCI/G	1	0	PR		
	04-0934	1200596563	320976	14391-65-2	Silver-108m	TRG		U	HASL300	LB1	0.00377	0.0132	PCI/G	0	U		6/4/2004	2:08	0.0244	PCI/G	0.0113	PCI/G	1	0	PR		
	04-0934	1200596563	320976	14596-10-2	Americium-241	TRG		U	HASL300	LB1	0.0809	0.0666	PCI/G	0	U		6/4/2004	2:08	0.117	PCI/G	0.0559	PCI/G	1	0	PR		
	04-0934	1200596563	320976	14681-63-1	Niobium-94	TRG		U	HASL300	LB1	-0.00434	0.0138	PCI/G	0	U		6/4/2004	2:08	0.0236	PCI/G	0.0107	PCI/G	1	0	PR		
	04-0934	1200596563	320976	14683-23-9	Europium-152	TRG		U	HASL300	LB1	0.019	0.0413	PCI/G	0	U		6/4/2004	2:08	0.0725	PCI/G	0.0339	PCI/G	1	0	PR		
	04-0934	1200596563	320976	14733-03-0	Bismuth-214	TRG		U	HASL300	LB1	-0.00313	0.0325	PCI/G	0	U		6/4/2004	2:08	0.0566	PCI/G	0.0261	PCI/G	1	0	PR		
	04-0934	1200596563	320976	14913-49-6	Bismuth-212	TRG		U	HASL300	LB1	0.123	0.125	PCI/G	0	U		6/4/2004	2:08	0.244	PCI/G	0.112	PCI/G	1	0	PR		
	04-0934	1200596563	320976	14913-50-9	Thallium-208	TRG		U	HASL300	LB1	0.00742	0.0173	PCI/G	0	U		6/4/2004	2:08	0.0318	PCI/G	0.0147	PCI/G	1	0	PR		
	04-0934	1200596563	320976	15067-28-4	Lead-214	TRG		U	HASL300	LB1	0.00876	0.0266	PCI/G	0	U		6/4/2004	2:08	0.0496	PCI/G	0.0231	PCI/G	1	0	PR		
	04-0934	1200596563	320976	15092-94-1	Lead-212	TRG		U	HASL300	LB1	0.0214	0.0411	PCI/G	0	U		6/4/2004	2:08	0.0454	PCI/G	0.0217	PCI/G	1	0	PR		
	04-0934	1200596563	320976	15585-10-1	Europium-154	TRG		U	HASL300	LB1	-0.0179	0.0486	PCI/G	0	U		6/4/2004	2:08	0.0847	PCI/G	0.0367	PCI/G	1	0	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	10045-97-3	Cesium-137	TRG		U	HASL300	LR1	0.00119	0.023	PCI/G	0	U		6/4/2004	2:09	0.04	PCI/G	0.0191	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	10198-40-0	Cobalt-60	TRG		U	HASL300	LR1	0.0543	0.035	PCI/G	0			6/4/2004	2:09	0.0412	PCI/G	0.0192	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	13966-00-2	Potassium-40	TRG		U	HASL300	LR1	8.57	0.918	PCI/G	0			6/4/2004	2:09	0.308	PCI/G	0.14	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	13966-31-9	Manganese-54	TRG		U	HASL300	LR1	-0.00813	0.0228	PCI/G	0	U		6/4/2004	2:09	0.0402	PCI/G	0.019	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	13967-70-9	Cesium-134	TRG		U	HASL300	LR1	0.0147	0.0256	PCI/G	0	U		6/4/2004	2:09	0.0477	PCI/G	0.0227	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	13982-63-3	Radium-226	TRG		U	HASL300	LR1	0.574	0.104	PCI/G	0			6/4/2004	2:09	0.0664	PCI/G	0.0317	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	14331-83-0	Actinium-228	TRG		U	HASL300	LR1	0.405	0.175	PCI/G	0			6/4/2004	2:09	0.136	PCI/G	0.0645	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	14391-16-3	Europium-155	TRG		U	HASL300	LR1	0.0428	0.0457	PCI/G	0	U		6/4/2004	2:09	0.0874	PCI/G	0.0426	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	14391-65-2	Silver-108m	TRG		U	HASL300	LR1	-0.0169	0.0171	PCI/G	0	U		6/4/2004	2:09	0.0293	PCI/G	0.014	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	14596-10-2	Americium-241	TRG		U	HASL300	LR1	0.0282	0.0281	PCI/G	0	U		6/4/2004	2:09	0.0508	PCI/G	0.0248	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	14681-63-1	Niobium-94	TRG		U	HASL300	LR1	0.000195	0.0238	PCI/G	0	U		6/4/2004	2:09	0.0358	PCI/G	0.0171	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	14683-23-9	Europium-152	TRG		U	HASL300	LR1	0.00854	0.0533	PCI/G	0	U		6/4/2004	2:09	0.0874	PCI/G	0.042	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	14733-03-0	Bismuth-214	TRG		U	HASL300	LR1	0.574	0.104	PCI/G	0			6/4/2004	2:09	0.0664	PCI/G	0.0317	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	14913-49-6	Bismuth-212	TRG		U	HASL300	LR1	0.351	0.252	PCI/G	0			6/4/2004	2:09	0.309	PCI/G	0.147	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	14913-50-9	Thallium-208	TRG		U	HASL300	LR1	0.16	0.0472	PCI/G	0			6/4/2004	2:09	0.0388	PCI/G	0.0186	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	15067-28-4	Lead-214	TRG		U	HASL300	LR1	0.476	0.0917	PCI/G	0			6/4/2004	2:09	0.0614	PCI/G	0.0295	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	15092-94-1	Lead-212	TRG		U	HASL300	LR1	0.566	0.0743	PCI/G	0			6/4/2004	2:09	0.0474	PCI/G	0.0229	PCI/G	1	7.1	PR		
3100-0000-181-C-6C-01	04-0934	1200596564	320976	15585-10-1	Europium-154	TRG		U	HASL300	LR1	-0.0167	0.0672	PCI/G	0	U		6/4/2004	2:09	0.115	PCI/G	0.0536	PCI/G	1	7.1	PR		
	04-0934	1200596565	320976	10045-97-3	Cesium-137	TRG		U	HASL300	BS1	9.79	0.961	PCI/G	0			6/4/2004	2:09	0.22	PCI/G	0.103	PCI/G	1	0	9.18	PR	
	04-0934	1200596565	320976	10198-40-0	Cobalt-60	TRG		U	HASL300	BS1	13.2	1.03	PCI/G	0			6/4/2004	2:09	0.205	PCI/G	0.0916	PCI/G	1	0	13.2	PR	
	04-0934	1200596565	320976	13966-00-2	Potassium-40	TRG		U	HASL300	BS1	-0.119	0.869	PCI/G	0	U		6/4/2004	2:09	1.62	PCI/G	0.701	PCI/G	1	0	PR		
	04-0934	1200596565	320976	13966-31-9	Manganese-54	TRG		U	HASL300	BS1	0.0396	0.138	PCI/G	0	U		6/4/2004	2:09	0.247	PCI/G	0.116	PCI/G	1	0	PR		
	04-0934	1200596565	320976	13967-70-9	Cesium-134	TRG		U	HASL300	BS1	-0.0201	0.146	PCI/G	0	U		6/4/2004	2:09	0.255	PCI/G	0.119	PCI/G	1	0	PR		
	04-0934	1200596565	320976	13982-63-3	Radium-226	TRG		U	HASL300	BS1	0.0325	0.202	PCI/G	0	U		6/4/2004	2:09	0.367	PCI/G	0.172	PCI/G	1	0	PR		
	04-0934	1200596565	320976	14331-83-0	Actinium-228	TRG		U	HASL300	BS1	0.568	0.573	PCI/G	0	U		6/4/2004	2:09	1.05	PCI/G	0.498	PCI/G	1	0	PR		
	04-0934	1200596565	320976	14391-16-3	Europium-155	TRG		U	HASL300	BS1	0.249	0.204	PCI/G	0	U		6/4/2004	2:09	0.362	PCI/G	0.174	PCI/G	1	0	PR		
	04-0934	1200596565	320976	14391-65-2	Silver-108m	TRG		U	HASL300	BS1	0.0471	0.11	PCI/G	0	U		6/4/2004	2:09	0.192	PCI/G	0.0912	PCI/G	1	0	PR		
	04-0934	1200596565	320976	14596-10-2	Americium-241	TRG		U	HASL300	BS1	22.9	1.76	PCI/G	0			6/4/2004	2:09	0.307	PCI/G	0.149	PCI/G	1	0	22.4	PR	
	04-0934	1200596565	320976	14681-63-1	Niobium-94	TRG		U	HASL300	BS1	-0.0524	0.114	PCI/G	0	U		6/4/2004	2:09	0.196	PCI/G	0.0919	PCI/G	1	0	PR		
	04-0934	1200596565	320976	14683-23-9	Europium-152	TRG		U	HASL300	BS1	0.214	0.261	PCI/G	0	U		6/4/2004	2:09	0.474	PCI/G	0.225	PCI/G	1	0	PR		
	04-0934	1200596565	320976	14733-03-0	Bismuth-214	TRG		U	HASL300	BS1	0.0325	0.202	PCI/G	0	U		6/4/2004	2:09	0.367	PCI/G	0.172	PCI/G	1	0	PR		
	04-0934	1200596565	320976	14913-49-6	Bismuth-212	TRG		U	HASL300	BS1	0.483	0.874	PCI/G	0	U		6/4/2004	2:09	1.62	PCI/G	0.759	PCI/G	1	0	PR		
	04-0934	1200596565	320976	14913-50-9	Thallium-208	TRG		U	HASL300	BS1	-0.0373	0.123	PCI/G	0	U		6/4/2004	2:09	0.201	PCI/G	0.0946	PCI/G	1	0	PR		
	04-0934	1200596565	320976	15067-28-4	Lead-214	TRG		U	HASL300	BS1	0.191	0.193	PCI/G	0	U		6/4/2004	2:09	0.352	PCI/G	0.167	PCI/G	1	0	PR		
	04-0934	1200596565	320976	15092-94-1	Lead-212	TRG		U	HASL300	BS1	0.176	0.216	PCI/G	0	U		6/4/2004	2:09	0.224	PCI/G	0.107	PCI/G	1	0	PR		
	04-0934	1200596565	320976	15585-10-1	Europium-154	TRG		U	HASL300	BS1	-0.099	0.268	PCI/G	0	U		6/4/2004	2:09	0.412	PCI/G	0.176	PCI/G	1	0	PR		

	04-0934	1200596566	320978	10045-97-3	Cesium-137	TRG		U	HASL300	LB1	0.00306	0.0158	PCI/G	0	U		7/4/2004	8:51	0.0287	PCI/G	0.0133	PCI/G	1	0	PR		
	04-0934	1200596566	320978	10198-40-0	Cobalt-60	TRG		U	HASL300	LB1	-0.00848	0.0211	PCI/G	0	U		7/4/2004	8:51	0.0302	PCI/G	0.0135	PCI/G	1	0	PR		
	04-0934	1200596566	320978	13966-00-2	Potassium-40	TRG		U	HASL300	LB1	0	0.202	PCI/G	0	UUI		7/4/2004	8:51	0.43	PCI/G	0.2	PCI/G	1	0	PR		
	04-0934	1200596566	320978	13966-31-9	Manganese-54	TRG		U	HASL300	LB1	0.00791	0.0159	PCI/G	0	U		7/4/2004	8:51	0.0292	PCI/G	0.0136	PCI/G	1	0	PR		
	04-0934	1200596566	320978	13967-70-9	Cesium-134	TRG		U	HASL300	LB1	0.0117	0.0159	PCI/G	0	U		7/4/2004	8:51	0.0303	PCI/G	0.014	PCI/G	1	0	PR		
	04-0934	1200596566	320978	13982-63-3	Radium-226	TRG		U	HASL300	LB1	0.0431	0.0352	PCI/G	0	U		7/4/2004	8:51	0.0666	PCI/G	0.0315	PCI/G	1	0	PR		
	04-0934	1200596566	320978	14331-83-0	Actinium-228	TRG		U	HASL300	LB1	0.0398	0.0995	PCI/G	0	U		7/4/2004	8:51	0.118	PCI/G	0.0551	PCI/G	1	0	PR		
	04-0934	1200596566	320978	14391-16-3	Europium-155	TRG		U	HASL300	LB1	-0.0152	0.0437	PCI/G	0	U		7/4/2004	8:51	0.0744	PCI/G	0.0354	PCI/G	1	0	PR		
	04-0934	1200596566	320978	14391-65-2	Silver-108m	TRG		U	HASL300	LB1	-0.000916	0.0141	PCI/G	0	U		7/4/2004	8:51	0.0244	PCI/G	0.0114	PCI/G	1	0	PR		
	04-0934	1200596566	320978	14596-10-2	Americium-241	TRG		U	HASL300	LB1	-0.00167	0.0465	PCI/G	0	U		7/4/2004	8:51	0.0832	PCI/G	0.0395	PCI/G	1	0	PR		
	04-0934	1200596566	320978	14681-63-1	Niobium-94	TRG		U	HASL300	LB1	-0.0111	0.0153	PCI/G	0	U		7/4/2004	8:51	0.0254	PCI/G	0.0118	PCI/G	1	0	PR		
	04-0934	1200596566	320978	14683-23-9	Europium-152	TRG		U	HASL300	LB1	0.00271	0.0404	PCI/G	0	U		7/4/2004	8:51	0.0712	PCI/G	0.0335	PCI/G	1	0	PR		
	04-0934	1200596566	320978	14733-03-0	Bismuth-214	TRG		U	HASL300	LB1	0.0431	0.0352	PCI/G	0	U		7/4/2004	8:51	0.0666	PCI/G	0.0315	PCI/G	1	0	PR		
	04-0934	1200596566	320978	14913-49-6	Bismuth-212	TRG		U	HASL300	LB1	-0.00953	0.119	PCI/G	0	U		7/4/2004	8:51	0.21	PCI/G	0.0968	PCI/G	1	0	PR		
	04-0934	1200596566	320978	14913-50-9	Thallium-208	TRG		U	HASL300	LB1	0	0.0489	PCI/G	0	UUI		7/4/2004	8:51	0.0239	PCI/G	0.011	PCI/G	1	0	PR		
	04-0934	1200596566	320978	15067-28-4	Lead-214	TRG		U	HASL300	LB1	0.0107	0.0446	PCI/G	0	U		7/4/2004	8:51	0.06	PCI/G	0.0285	PCI/G	1	0	PR		
	04-0934	1200596566	320978	15092-94-1	Lead-212	TRG		U	HASL300	LB1	0.00886	0.0427	PCI/G	0	U		7/4/2004	8:51	0.0518	PCI/G	0.0249	PCI/G	1	0	PR		
	04-0934	1200596566	320978	15585-10-1	Europium-154	TRG		U	HASL300	LB1	0.041	0.0539	PCI/G	0	U		7/4/2004	8:51	0.0948	PCI/G	0.0432	PCI/G	1	0	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	10045-97-3	Cesium-137	TRG		U	HASL300	LR1	17.1	1.74	PCI/G	0			8/4/2004	11:00	0.0642	PCI/G	0.0317	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	10198-40-0	Cobalt-60	TRG		U	HASL300	LR1	22.7	1.49	PCI/G	0			8/4/2004	11:00	0.0443	PCI/G	0.0215	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	13966-00-2	Potassium-40	TRG		U	HASL300	LR1	7.13	0.776	PCI/G	0			8/4/2004	11:00	0.348	PCI/G	0.167	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	13966-31-9	Manganese-54	TRG		U	HASL300	LR1	-0.00179	0.0416	PCI/G	0	U		8/4/2004	11:00	0.0717	PCI/G	0.0354	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	13967-70-9	Cesium-134	TRG		U	HASL300	LR1	0.0616	0.0441	PCI/G	0	U		8/4/2004	11:00	0.0775	PCI/G	0.0383	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	13982-63-3	Radium-226	TRG		U	HASL300	LR1	0.585	0.132	PCI/G	0			8/4/2004	11:00	0.114	PCI/G	0.056	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	14331-83-0	Actinium-228	TRG		U	HASL300	LR1	0	0.28	PCI/G	0	UUI		8/4/2004	11:00	0.313	PCI/G	0.155	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	14391-16-3	Europium-155	TRG		U	HASL300	LR1	0.0307	0.0764	PCI/G	0	U		8/4/2004	11:00	0.145	PCI/G	0.0716	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	14391-65-2	Silver-108m	TRG		U	HASL300	LR1	-0.0171	0.0356	PCI/G	0	U		8/4/2004	11:00	0.0621	PCI/G	0.0307	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	14596-10-2	Americium-241	TRG		U	HASL300	LR1	0.309	0.114	PCI/G	0			8/4/2004	11:00	0.153	PCI/G	0.0753	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	14681-63-1	Niobium-94	TRG		U	HASL300	LR1	0.0478	0.0312	PCI/G	0	U		8/4/2004	11:00	0.0557	PCI/G	0.0275	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	14683-23-9	Europium-152	TRG		U	HASL300	LR1	-0.0847	0.0913	PCI/G	0	U		8/4/2004	11:00	0.162	PCI/G	0.0802	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	14733-03-0	Bismuth-214	TRG		U	HASL300	LR1	0.585	0.132	PCI/G	0			8/4/2004	11:00	0.114	PCI/G	0.056	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	14913-49-6	Bismuth-212	TRG		U	HASL300	LR1	0.0862	0.278	PCI/G	0	U		8/4/2004	11:00	0.49	PCI/G	0.242	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	14913-50-9	Thallium-208	TRG		U	HASL300	LR1	0.148	0.0591	PCI/G	0			8/4/2004	11:00	0.0612	PCI/G	0.0302	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	15067-28-4	Lead-214	TRG		U	HASL300	LR1	0.764	0.142	PCI/G	0			8/4/2004	11:00	0.117	PCI/G	0.0581	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	15092-94-1	Lead-212	TRG		U	HASL300	LR1	0.452	0.078	PCI/G	0			8/4/2004	11:00	0.0923	PCI/G	0.0457	PCI/G	1	3.9	PR		
3100-0000-176-C-1C-01	04-0934	1200596567	320978	15585-10-1	Europium-154	TRG		U	HASL300	LR1	0.0626	0.0798	PCI/G	0	U		8/4/2004	11:00	0.141	PCI/G	0.0688	PCI/G	1	3.9	PR		
	04-0934	1200596568	320978	10045-97-3	Cesium-137	TRG		U	HASL300	BS1	9.93	0.853	PCI/G	0			7/4/2004	8:53	0.28	PCI/G	0.135	PCI/G	1	0	9.29	PR	
	04-0934	1200596568	320978	10198-40-0	Cobalt-60	TRG		U	HASL300	BS1	16	1.35	PCI/G	0			7/4/2004	8:53	0.274	PCI/G	0.129	PCI/G	1	0	14.7	PR	
	04-0934	1200596568	320978	13966-00-2	Potassium-40	TRG		U	HASL300	BS1	0.546	1.56	PCI/G	0	U		7/4/2004	8:53	2.76	PCI/G	1.3	PCI/G	1	0	PR		
	04-0934	1200596568	320978	13966-31-9	Manganese-54	TRG		U	HASL300	BS1	-0.0612	0.18	PCI/G	0	U		7/4/2004	8:53	0.253	PCI/G	0.121	PCI/G	1	0	PR		
	04-0934	1200596568	320978	13967-70-9	Cesium-134	TRG		U	HASL300	BS1	0.0636	0.162	PCI/G	0	U		7/4/2004	8:53	0.277	PCI/G	0.133	PCI/G	1	0	PR		
	04-0934	1200596568	320978	13982-63-3	Radium-226	TRG		U	HASL300	BS1	0.193	0.262	PCI/G	0	U		7/4/2004	8:53	0.457	PCI/G	0.22	PCI/G	1	0	PR		
	04-0934	1200596568	320978	14331-83-0	Actinium-228	TRG		U	HASL300	BS1	0.25	0.553	PCI/G	0	U		7/4/2004	8:53	0.984	PCI/G	0.472	PCI/G	1	0	PR		
	04-0934	1200596568	320978	14391-16-3	Europium-155	TRG		U	HASL300	BS1	0.0643	0.419	PCI/G	0	U		7/4/2004	8:53	0.709	PCI/G	0.347	PCI/G	1	0	PR		
	04-0934	1200596568	320978	14391-65-2	Silver-108m	TRG		U	HASL300	BS1	-0.04	0.12	PCI/G	0	U		7/4/2004	8:53	0.203	PCI/G	0.098	PCI/G	1	0	PR		
	04-0934	1200596568	320978	14596-10-2	Americium-241	TRG		U	HASL300	BS1	26.4	4.01	PCI/G	0			7/4/2004	8:53	1.42	PCI/G	0.699	PCI/G	1	0	22.4	PR	
	04-0934	1200596568	320978	14681-63-1	Niobium-94	TRG		U	HASL300	BS1	0.0592	0.136	PCI/G	0	U		7/4/2004	8:53	0.233	PCI/G	0.112	PCI/G	1	0	PR		
	04-0934	1200596568	320978	14683-23-9	Europium-152	TRG		U	HASL300	BS1	-0.153	0.318	PCI/G	0	U		7/4/2004	8:53	0.542	PCI/G	0.262	PCI/G	1	0	PR		
	04-0934	1200596568	320978	14733-03-0	Bismuth-214	TRG		U	HASL300	BS1	0.193	0.262	PCI/G	0	U		7/4/2004	8:53	0.457	PCI/G	0.22	PCI/G	1	0	PR		
	04-0934	1200596568	320978	14913-49-6	Bismuth-212	TRG		U	HASL300	BS1	-0.686	1.17	PCI/G	0	U		7/4/2004	8:53	1.9	PCI/G	0.912	PCI/G	1	0	PR		
	04-0934	1200596568	320978	14913-50-9	Thallium-208	TRG		U	HASL300	BS1	-0.023	0.137	PCI/G	0	U		7/4/2004	8:53	0.23	PCI/G	0.111	PCI/G	1	0	PR		
	04-0934	1200596568	320978	15067-28-4	Lead-214	TRG		U	HASL300	BS1	-0.00192	0.227	PCI/G	0	U		7/4/2004	8:53	0.394	PCI/G	0.19	PCI/G	1	0	PR		
	04-0934	1200596568	320978	15092-94-1	Lead-212	TRG		U	HASL300	BS1	-0.0479	0.2	PCI/G	0	U		7/4/2004	8:53	0.324	PCI/G	0.158	PCI/G	1	0	PR		
	04-0934	1200596568	320978	15585-10-1	Europium-154	TRG		U	HASL300	BS1	0.0601	0.396	PCI/G	0	U		7/4/2004	8:53	0.699	PCI/G	0.328	PCI/G	1	0	PR		
	04-0934	1200598297	321649	14762-75-5	Carbon-14	TRG		U	LSC	LB1	0.0242	0.287	PCI/G	0	U		2/4/2004	11:10	0.498	PCI/G	0.24	PCI/G	1	0	PR		
3100-0000-176-C-3C-01	04-0934	1200598298	321649	14762-75-5	Carbon-14	TRG		U	LSC	LR2	-0.0233	0.33	PCI/G	0	U		2/4/2004	12:12	0.577	PCI/G	0.278	PCI/G	1	6.1	PR		
3100-0000-176-C-3C-01	04-0934	1200598299	321649	14762-75-5	Carbon-14	TRG		U	LSC	MS2	25	0.932	PCI/G	0			2/4/2004	1:15	0.584	PCI/G	0.281	PCI/G	1	6.1	24.7	PR	
	04-0934	1200598300	321649	14762-75-5	Carbon-14	TRG		U	LSC	BS1	22	0.808	PCI/G	0			2/4/2004	2:17	0.5	PCI/G	0.241	PCI/G	1	0	22.2	PR	
	04-0934	1200600617	322589	10028-17-8	Tritium	TRG		U	E906.0	LB1	0.267	1.47	PCI/G	0	U		7/4/2004	7:37	2.45	PCI/G	1.23	PCI/G	1	0	PR		
3100-0000-181-C-1C-01	04-0934	1200600618	322589	10028-17-8	Tritium	TRG		U	E906.0	LR2	5.83	1.67	PCI/G	0			7/4/2004	8:09	2.41	PCI/G	1.2	PCI/G	1	9.2	PR		
3100-0000-181-C-1C-01	04-0934	1200600619	322589	10028-17-8	Tritium	TRG		U	E906.0	MS2	19.2	2.18	PCI/G	0			7/4/2004	8:41	2.52	PCI/G	1.26	PCI/G	1	9.2	16.1	PR	
	04-0934	1200600620	322589	10028-17-8	Tritium	TRG		U	E906.0	BS1	16.8	2.06	PCI/G	0			7/4/2004	9:14	2.44	PCI/G	1.22	PCI/G	1	0	16.4	PR	