

**SEAWAY SITE
SUMMER 2001 INVESTIGATION
IDW WASTE PROFILE SUMMARY**

During the Seaway Site characterization efforts during the late summer of 2001, six (6) drums of Investigation Derived Waste (IDW) were generated. These drums are 55-gallon each and are currently stored on pallets at the Seaway Site near Area A. Each of the drums has the contents labeled in both paint pen and with laminated drum labels that are taped to opposing sides of the upper third of each 55-gallon drum. The drum numbers and associated information on the drum labels are as follow:

Drum Number: 001
Drum Contents: Soil Samples in one-quart steel cans
Content Organization Identifier: Areas A, B, and C, Seaway Landfill, 4825 River Road, Tonawanda, NY
Generation Date(s): August – September 2001
For any questions, contact:
Dave Conboy, USACE District, Buffalo District (716) 879-4436
Steve Fox, SAIC (508) 923-5100

Drum Number: 002
Drum Contents: Area B soils
Content Organization Identifier: Areas A, B, and C, Seaway Landfill, 4825 River Road, Tonawanda, NY
Generation Date(s): August – September 2001
For any questions, contact:
Dave Conboy, USACE District, Buffalo District (716) 879-4436
Steve Fox, SAIC (508) 923-5100

Drum Number: 003
Drum Contents: Area C soils
Content Organization Identifier: Areas A, B, and C, Seaway Landfill, 4825 River Road, Tonawanda, NY
Generation Date(s): August – September 2001
For any questions, contact:
Dave Conboy, USACE District, Buffalo District (716) 879-4436
Steve Fox, SAIC (508) 923-5100

Drum Number: 004
Drum Contents: Area C soils
Content Organization Identifier: Areas A, B, and C, Seaway Landfill, 4825 River Road, Tonawanda, NY
Generation Date(s): August – September 2001
For any questions, contact:
Dave Conboy, USACE District, Buffalo District (716) 879-4436
Steve Fox, SAIC (508) 923-5100

Drum Number: 005
Drum Contents: Area A soils
Content Organization Identifier: Areas A, B, and C, Seaway Landfill, 4825 River Road, Tonawanda, NY
Generation Date(s): August – September 2001
For any questions, contact:
Dave Conboy, USACE District, Buffalo District (716) 879-4436
Steve Fox, SAIC (508) 923-5100

Drum Number: 006
Drum Contents: Area C soils
Content Organization Identifier: Areas A, B, and C, Seaway Landfill, 4825 River Road, Tonawanda, NY
Generation Date(s): August – September 2001
For any questions, contact:
Dave Conboy, USACE District, Buffalo District (716) 879-4436
Steve Fox, SAIC (508) 923-5100

Drums 002 through 006 also contain minor amounts of plastic associated with the plastic bagging the soil core was extruded into. These drums contain the soils removed from the section of boring where the down-hole gamma logging results in the field indicated that the material had elevated levels of radiological constituents. The cans of soil samples contained in Drum 001 were samples taken and analyzed using the on-site gamma spectroscopy system (BEGe system) but not shipped offsite for analytical analyses. All samples shipped offsite for laboratory analyses were also analyzed using the on-site gamma spectroscopy system. The on-site gamma spectroscopy system results as well as the offsite analytical laboratory results are all applicable to the materials that are contained in the six (6) drums identified above. Most of the samples taken were from those areas of the borings that were later placed in the drums. The principal radionuclides were radium (Ra-226), thorium (Th-230) and uranium (U-238) and their associated decay products, which were the primary radionuclides associated with the MED residues placed in the landfill. The BEGe results for all samples analyzed at the

site are contained in Attachment 1 and the analytical laboratory radiological results are contained in Attachment 2. Based on the laboratory results in Attachment 2, the U-238 concentrations ranged from 0.35 pCi/g to a maximum of 58 pCi/g; the Ra-226 concentrations ranged from 0.15 pCi/g to 87 pCi/g; and the Th-230 concentrations ranged from 0.53 pCi/g to 659 pCi/g. The average concentrations for Ra-226, Th-230 and U-238 from the laboratory results were 6.5 pCi/g, 67.3 pCi/g and 6.6 pCi/g, respectively.

Additional analyses were also completed to assess whether there were any hazardous constituents mixed with the MED-related residues placed in the landfill. The standard RCRA TCLP test was performed on a number of the samples from areas of the borings where MED-related residues were present, which represents the materials placed in the drums discussed above. The results of the TCLP testing are included in Attachment 3. A review of the results indicates that there are no RCRA hazardous materials mixed with the MED-related residues that would be in the 6 drums listed above.

USACE also performed a few other typical disposal facility waste acceptance criteria testing such as total cyanide, reactive cyanide, reactive sulfide and pH. These results are contained in Attachment 4. A review of the results indicates that there are no reactive materials, that the soil pH is slightly basic, and that the cyanide levels were not detected at elevated levels (results were estimated values ranging from 0.1 to 6 mg/kg). The paint filter test was not necessary since all of the boring materials removed from the bore holes were solid and mostly dry (some were damp due to water used to extract the material from the boring tube) and non exhibited any fluid-type properties.

USACE also performed limited chemical analyses on selected samples to assess whether there were other materials present that may pose a threat to any remedial workers in the landfill. These results are included for information purposes only and are contained in Attachment 5.

ATTACHMENT 1

(Exhibit E from Technical Memorandum, Summer 2001 Subsurface Investigations at the Seaway Site – Areas A, B and C)

**ON-SITE GAMMA SPECTROSCOPY RESULTS
USING BEGe SYSTEM**

EXHIBIT E

ON-SITE GAMMA SPECTROMETRY MEASUREMENTS

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
01SEA001BLK	BLK	Ac-227	0.03		0.21	pCi/g	GSS	U				
01SEA001BLK	BLK	Am-241	0.01		0.06	pCi/g	GSS	U				
01SEA001BLK	BLK	Cs-137	0.01		0.06	pCi/g	GSS	U				
01SEA001BLK	BLK	K-40	-0.31	0.72	1.28	pCi/g	GSS	U				
01SEA001BLK	BLK	Pa-231	0.76		1.29	pCi/g	GSS	U				
01SEA001BLK	BLK	Ra-226	0.11		0.09	pCi/g	GSS	U				
01SEA001BLK	BLK	RA-228	-0.04		0.17	pCi/g	GSS	U				
01SEA001BLK	BLK	TH-228	-0.04		0.17	pCi/g	GSS	U				
01SEA001BLK	BLK	Th-230	2.32		5.24	pCi/g	GSS	U				
01SEA001BLK	BLK	TH-232	-0.04		0.17	pCi/g	GSS	U				
01SEA001BLK	BLK	U-235	0.00		0.16	pCi/g	GSS	U				
01SEA001BLK	BLK	U-238	0.56		0.61	pCi/g	GSS	U				
01SEA001LCS	LCS	AM-241	91			%	GSS					
01SEA001LCS	LCS	CS-137	94			%	GSS					
01SEA002BLK	BLK	Ac-227	0.09		0.23	pCi/g	GSS	U				
01SEA002BLK	BLK	Am-241	0.02		0.07	pCi/g	GSS	U				
01SEA002BLK	BLK	Cs-137	0.57		0.08	pCi/g	GSS	U				
01SEA002BLK	BLK	K-40	-0.25	0.74	1.29	pCi/g	GSS	U*				
01SEA002BLK	BLK	Pa-231	1.12		1.42	pCi/g	GSS	U				
01SEA002BLK	BLK	Ra-226	0.07		0.11	pCi/g	GSS	U				
01SEA002BLK	BLK	RA-228	-0.03		0.19	pCi/g	GSS	U				
01SEA002BLK	BLK	TH-228	-0.03		0.19	pCi/g	GSS	U				
01SEA002BLK	BLK	Th-230	3.65		5.55	pCi/g	GSS	U				
01SEA002BLK	BLK	TH-232	-0.03		0.19	pCi/g	GSS	U				
01SEA002BLK	BLK	U-235	-0.14		0.16	pCi/g	GSS	U				
01SEA002BLK	BLK	U-238	0.47		0.60	pCi/g	GSS	U*				
01SEA002LCS	LCS	AM-241	98			%	GSS					
01SEA002LCS	LCS	CS-137	100			%	GSS					
01SEA003BLK	BLK	Ac-227	-0.16		0.22	pCi/g	GSS	U				
01SEA003BLK	BLK	Am-241	-0.01		0.11	pCi/g	GSS	U				
01SEA003BLK	BLK	Cs-137	-0.08		0.07	pCi/g	GSS	U				
01SEA003BLK	BLK	K-40	-1.13	0.64	1.25	pCi/g	GSS	U				
01SEA003BLK	BLK	Pa-231	-0.06		1.20	pCi/g	GSS	U				
01SEA003BLK	BLK	Ra-226	0.05		0.10	pCi/g	GSS	U				
01SEA003BLK	BLK	RA-228	-0.01		0.21	pCi/g	GSS	U				

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
01SEA003BLK	BLK	TH-228	-0.01		0.21	pCi/g	GSS	U				
01SEA003BLK	BLK	Th-230	3.23		8.35	pCi/g	GSS	U				
01SEA003BLK	BLK	TH-232	-0.01		0.21	pCi/g	GSS	U				
01SEA003BLK	BLK	U-235	0.01		0.17	pCi/g	GSS	U				
01SEA003BLK	BLK	U-238	0.02		0.89	pCi/g	GSS	U				
01SEA003LCS	LCS	AM-241	95			%	GSS					
01SEA003LCS	LCS	CS-137	100			%	GSS					
01SEA004BLK	BLK	Ac-227	0.15		0.21	pCi/g	GSS	U				
01SEA004BLK	BLK	Am-241	0.00		0.06	pCi/g	GSS	U				
01SEA004BLK	BLK	Cs-137	0.04		0.08	pCi/g	GSS	U				
01SEA004BLK	BLK	K-40	-0.16	0.72	1.26	pCi/g	GSS	U				
01SEA004BLK	BLK	Pa-231	-0.10		1.26	pCi/g	GSS	U				
01SEA004BLK	BLK	Ra-226	-0.05		0.09	pCi/g	GSS	U				
01SEA004BLK	BLK	RA-228	0.00		0.18	pCi/g	GSS	U				
01SEA004BLK	BLK	TH-228	0.00		0.18	pCi/g	GSS	U				
01SEA004BLK	BLK	Th-230	-0.10		5.50	pCi/g	GSS	U				
01SEA004BLK	BLK	TH-232	0.00		0.18	pCi/g	GSS	U				
01SEA004BLK	BLK	U-235	-0.01		0.16	pCi/g	GSS	U				
01SEA004BLK	BLK	U-238	0.17		0.61	pCi/g	GSS	U				
01SEA004LCS	LCS	AM-241	91			%	GSS					
01SEA004LCS	LCS	CS-137	92			%	GSS					
01SEA005BLK	BLK	Ac-227	0.08		0.29	pCi/g	GSS	U				
01SEA005BLK	BLK	Am-241	-0.01		0.07	pCi/g	GSS	U				
01SEA005BLK	BLK	Cs-137	-0.06		0.09	pCi/g	GSS	U				
01SEA005BLK	BLK	K-40	-0.04	0.87	1.51	pCi/g	GSS	U				
01SEA005BLK	BLK	Pa-231	0.02		1.63	pCi/g	GSS	U				
01SEA005BLK	BLK	Ra-226	0.01		0.12	pCi/g	GSS	U				
01SEA005BLK	BLK	RA-228	0.12		0.26	pCi/g	GSS	U				
01SEA005BLK	BLK	TH-228	0.12		0.26	pCi/g	GSS	U				
01SEA005BLK	BLK	Th-230	3.81		7.00	pCi/g	GSS	U				
01SEA005BLK	BLK	TH-232	0.12		0.26	pCi/g	GSS	U				
01SEA005BLK	BLK	U-235	0.02		0.22	pCi/g	GSS	U				
01SEA005BLK	BLK	U-238	0.28		0.74	pCi/g	GSS	U				
01SEA005LCS	LCS	AM-241	99			%	GSS					
01SEA005LCS	LCS	CS-137	103			%	GSS					

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
01SEA006BLK	BLK	Ac-227	-0.05		0.21	pCi/g	GSS	U				
01SEA006BLK	BLK	Am-241	0.03		0.06	pCi/g	GSS	U				
01SEA006BLK	BLK	Cs-137	0.06		0.07	pCi/g	GSS	U				
01SEA006BLK	BLK	K-40	-0.22	0.73	1.28	pCi/g	GSS	U				
01SEA006BLK	BLK	Pa-231	-1.07		1.17	pCi/g	GSS	U				
01SEA006BLK	BLK	Ra-226	0.06		0.09	pCi/g	GSS	U				
01SEA006BLK	BLK	RA-228	0.00		0.16	pCi/g	GSS	U				
01SEA006BLK	BLK	TH-228	0.00		0.16	pCi/g	GSS	U				
01SEA006BLK	BLK	Th-230	-2.09		5.50	pCi/g	GSS	U				
01SEA006BLK	BLK	TH-232	0.00		0.16	pCi/g	GSS	U				
01SEA006BLK	BLK	U-235	-0.02		0.16	pCi/g	GSS	U*				
01SEA006BLK	BLK	U-238	-0.02		0.57	pCi/g	GSS	U*				
01SEA006LCS	LCS	AM-241	91			%	GSS					
01SEA006LCS	LCS	CS-137	94			%	GSS					
01SEA007BLK	BLK	Ac-227	0.25		0.24	pCi/g	GSS	U				
01SEA007BLK	BLK	Am-241	-0.05		0.06	pCi/g	GSS	U				
01SEA007BLK	BLK	Cs-137	0.03		0.07	pCi/g	GSS	U				
01SEA007BLK	BLK	K-40	-0.50	0.71	1.28	pCi/g	GSS	U				
01SEA007BLK	BLK	Pa-231	0.43		1.25	pCi/g	GSS	U				
01SEA007BLK	BLK	Ra-226	0.05		0.09	pCi/g	GSS	U				
01SEA007BLK	BLK	RA-228	0.14		0.20	pCi/g	GSS	U				
01SEA007BLK	BLK	TH-228	0.14		0.20	pCi/g	GSS	U				
01SEA007BLK	BLK	Th-230	0.51		5.50	pCi/g	GSS	U				
01SEA007BLK	BLK	TH-232	0.14		0.20	pCi/g	GSS	U				
01SEA007BLK	BLK	U-235	0.05		0.16	pCi/g	GSS	U				
01SEA007BLK	BLK	U-238	-0.14		0.63	pCi/g	GSS	U				
01SEA007LCS	LCS	AM-241	104.44			%	GSS					
01SEA007LCS	LCS	CS-137	109.56			%	GSS					
01SEA008BLK	BLK	Ac-227	-0.11		0.21	pCi/g	GSS	U				
01SEA008BLK	BLK	Am-241	0.04		0.06	pCi/g	GSS	U				
01SEA008BLK	BLK	Cs-137	0.03		0.07	pCi/g	GSS	U				
01SEA008BLK	BLK	K-40	-0.10	0.74	1.28	pCi/g	GSS	U				
01SEA008BLK	BLK	Pa-231	0.08		1.32	pCi/g	GSS	U				
01SEA008BLK	BLK	Ra-226	0.01		0.09	pCi/g	GSS	U				
01SEA008BLK	BLK	RA-228	0.16		0.20	pCi/g	GSS	U				

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
01SEA008BLK	BLK	TH-228	0.16		0.20	pCi/g	GSS	U				
01SEA008BLK	BLK	Th-230	-0.70		5.60	pCi/g	GSS	U				
01SEA008BLK	BLK	TH-232	0.16		0.20	pCi/g	GSS	U				
01SEA008BLK	BLK	U-235	0.07		0.16	pCi/g	GSS	U				
01SEA008BLK	BLK	U-238	0.10		0.61	pCi/g	GSS	U				
01SEA008LCS	LCS	AM-241	95			%	GSS					
01SEA008LCS	LCS	CS-137	100			%	GSS					
01SEA009BLK	BLK	Ac-227	0.11		0.22	pCi/g	GSS	U				
01SEA009BLK	BLK	Am-241	-0.02		0.06	pCi/g	GSS	U				
01SEA009BLK	BLK	Cs-137	0.05		0.07	pCi/g	GSS	U				
01SEA009BLK	BLK	K-40	-1.05	0.64	1.26	pCi/g	GSS	U				
01SEA009BLK	BLK	Pa-231	0.86		1.45	pCi/g	GSS	U				
01SEA009BLK	BLK	Ra-226	-0.09		0.08	pCi/g	GSS	U				
01SEA009BLK	BLK	RA-228	0.06		0.18	pCi/g	GSS	U				
01SEA009BLK	BLK	TH-228	0.06		0.18	pCi/g	GSS	U				
01SEA009BLK	BLK	Th-230	4.32		6.16	pCi/g	GSS	U				
01SEA009BLK	BLK	TH-232	0.06		0.18	pCi/g	GSS	U				
01SEA009BLK	BLK	U-235	0.02		0.16	pCi/g	GSS	U				
01SEA009BLK	BLK	U-238	0.25		0.66	pCi/g	GSS	U				
01SEA009LCS	LCS	AM-241	94			%	GSS					
01SEA009LCS	LCS	CS-137	97			%	GSS					
01SEA010BLK	BLK	Ac-227	0.09		0.15	pCi/g	GSS	U				
01SEA010BLK	BLK	Am-241	0.00		0.04	pCi/g	GSS	U				
01SEA010BLK	BLK	Cs-137	0.02		0.05	pCi/g	GSS	U				
01SEA010BLK	BLK	K-40	-0.23	0.52	0.92	pCi/g	GSS	U				
01SEA010BLK	BLK	Pa-231	-0.41		0.90	pCi/g	GSS	U				
01SEA010BLK	BLK	Ra-226	0.05		0.06	pCi/g	GSS	U				
01SEA010BLK	BLK	RA-228	-0.01		0.12	pCi/g	GSS	U				
01SEA010BLK	BLK	TH-228	-0.01		0.12	pCi/g	GSS	U				
01SEA010BLK	BLK	Th-230	-0.68		3.69	pCi/g	GSS	U				
01SEA010BLK	BLK	TH-232	-0.01		0.12	pCi/g	GSS	U				
01SEA010BLK	BLK	U-235	-0.05		0.11	pCi/g	GSS	U				
01SEA010BLK	BLK	U-238	0.01		0.39	pCi/g	GSS	U				
01SEA010LCS	LCS	AM-241	92			%	GSS					
01SEA010LCS	LCS	CS-137	97			%	GSS					

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARA1001SS060180	REG	Ac-227	-0.31		0.76	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS060180	REG	Am-241	-0.03		0.15	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS060180	REG	Cs-137	0.06	0.03	0.07	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS060180	REG	K-40	12.33	1.88	1.85	pCi/g	GSS	*	=			
SEAARA1001SS060180	REG	Pa-231	2.82		2.73	pCi/g	GSS	U	U	T04		
SEAARA1001SS060180	REG	Ra-226	0.80	0.07	0.10	pCi/g	GSS		=			
SEAARA1001SS060180	REG	RA-228	0.83	0.10	0.17	pCi/g	GSS		=			
SEAARA1001SS060180	REG	TH-228	0.83	0.10	0.17	pCi/g	GSS		=			
SEAARA1001SS060180	REG	Th-230	1.15		15.00	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS060180	REG	TH-232	0.83	0.10	0.17	pCi/g	GSS		=			
SEAARA1001SS060180	REG	U-235	0.43		0.40	pCi/g	GSS	U	U	T04		
SEAARA1001SS060180	REG	U-238	1.64	0.49	0.95	pCi/g	GSS	*	J	J01		
SEAARA1001SS061140	REG	Ac-227	-0.17		0.91	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS061140	REG	Am-241	-0.08		0.19	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS061140	REG	Cs-137	0.16		0.16	pCi/g	GSS	U	U	T04		
SEAARA1001SS061140	REG	K-40	15.48	2.14	1.79	pCi/g	GSS	*	=			
SEAARA1001SS061140	REG	Pa-231	-0.41		2.92	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS061140	REG	Ra-226	0.58	0.07	0.11	pCi/g	GSS		=			
SEAARA1001SS061140	REG	RA-228	0.93	0.12	0.15	pCi/g	GSS		=			
SEAARA1001SS061140	REG	TH-228	0.93	0.12	0.15	pCi/g	GSS		=			
SEAARA1001SS061140	REG	Th-230	4.71		18.10	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS061140	REG	TH-232	0.93	0.12	0.15	pCi/g	GSS		=			
SEAARA1001SS061140	REG	U-235	0.32		0.49	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS061140	REG	U-238	-0.42		1.92	pCi/g	GSS	U*	UJ	T04, T06		
SEAARA1001SS081200	REG	Ac-227	-0.33		0.83	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS081200	REG	Am-241	-0.01		0.17	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS081200	REG	Cs-137	0.16	0.05	0.06	pCi/g	GSS		=			
SEAARA1001SS081200	REG	K-40	16.78	2.04	1.50	pCi/g	GSS	*	=			
SEAARA1001SS081200	REG	Pa-231	0.67		2.70	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS081200	REG	Ra-226	0.67	0.07	0.10	pCi/g	GSS		=			
SEAARA1001SS081200	REG	RA-228	0.69	0.10	0.16	pCi/g	GSS		=			
SEAARA1001SS081200	REG	TH-228	0.69	0.10	0.16	pCi/g	GSS		=			
SEAARA1001SS081200	REG	Th-230	20.70		17.40	pCi/g	GSS	U	U	T04		
SEAARA1001SS081200	REG	TH-232	0.69	0.10	0.16	pCi/g	GSS		=			
SEAARA1001SS081200	REG	U-235	0.12		0.44	pCi/g	GSS	U	U	T04, T05		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARA1001SS081200	REG	U-238	0.72		1.84	pCi/g	GSS	U*	U	T04, T05		
SEAARA1001SS140140	REG	Ac-227	-0.21		0.97	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS140140	REG	Am-241	0.04		0.21	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS140140	REG	Cs-137	0.09	0.05	0.08	pCi/g	GSS		=			
SEAARA1001SS140140	REG	K-40	10.42	2.09	2.30	pCi/g	GSS	*	=			
SEAARA1001SS140140	REG	Pa-231	2.24		3.38	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS140140	REG	Ra-226	0.69	0.08	0.13	pCi/g	GSS		=			
SEAARA1001SS140140	REG	RA-228	0.70	0.12	0.18	pCi/g	GSS		=			
SEAARA1001SS140140	REG	TH-228	0.70	0.12	0.18	pCi/g	GSS		=			
SEAARA1001SS140140	REG	Th-230	-9.31		19.50	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS140140	REG	TH-232	0.70	0.12	0.18	pCi/g	GSS		=			
SEAARA1001SS140140	REG	U-235	0.10		0.50	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS140140	REG	U-238	1.07	0.60	1.17	pCi/g	GSS	U*	U	T05		
SEAARA1001SS140280	REG	Ac-227	-0.13		0.92	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS140280	REG	Am-241	0.13		0.20	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS140280	REG	Cs-137	0.10		0.15	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS140280	REG	K-40	13.72	2.11	1.91	pCi/g	GSS	*	=			
SEAARA1001SS140280	REG	Pa-231	0.32		2.91	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS140280	REG	Ra-226	0.80	0.08	0.12	pCi/g	GSS		=			
SEAARA1001SS140280	REG	RA-228	0.77	0.12	0.17	pCi/g	GSS		=			
SEAARA1001SS140280	REG	TH-228	0.77	0.12	0.17	pCi/g	GSS		=			
SEAARA1001SS140280	REG	Th-230	6.26		18.10	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS140280	REG	TH-232	0.77	0.12	0.17	pCi/g	GSS		=			
SEAARA1001SS140280	REG	U-235	0.01		0.47	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS140280	REG	U-238	1.32	0.56	1.08	pCi/g	GSS	*	J	J01		
SEAARA1001SS141100	REG	Ac-227	0.10		0.97	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS141100	REG	Am-241	-0.20		0.20	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS141100	REG	Cs-137	0.13		0.16	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS141100	REG	K-40	8.20	1.90	2.21	pCi/g	GSS	*	=			
SEAARA1001SS141100	REG	Pa-231	-0.48		3.26	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS141100	REG	Ra-226	1.02	0.10	0.12	pCi/g	GSS		=			
SEAARA1001SS141100	REG	RA-228	0.79	0.13	0.19	pCi/g	GSS		=			
SEAARA1001SS141100	REG	TH-228	0.79	0.13	0.19	pCi/g	GSS		=			
SEAARA1001SS141100	REG	Th-230	10.42	5.72	12.40	pCi/g	GSS	U	U	T05		
SEAARA1001SS141100	REG	TH-232	0.79	0.13	0.19	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARA1001SS141100	REG	U-235	-0.31		0.55	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS141100	REG	U-238	2.11	0.71	1.28	pCi/g	GSS	*	J	J01		
SEAARA1001SS162300	REG	Ac-227	-0.10		0.91	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS162300	REG	Am-241	-0.13		0.17	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS162300	REG	Cs-137	0.09	0.04	0.07	pCi/g	GSS		=			
SEAARA1001SS162300	REG	K-40	11.71	1.98	1.96	pCi/g	GSS	*	=			
SEAARA1001SS162300	REG	Pa-231	-1.10		2.86	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS162300	REG	Ra-226	0.80	0.08	0.11	pCi/g	GSS		=			
SEAARA1001SS162300	REG	RA-228	0.76	0.12	0.18	pCi/g	GSS		=			
SEAARA1001SS162300	REG	TH-228	0.76	0.12	0.18	pCi/g	GSS		=			
SEAARA1001SS162300	REG	Th-230	7.96		19.10	pCi/g	GSS	U	U	T04, T05		
SEAARA1001SS162300	REG	TH-232	0.76	0.12	0.18	pCi/g	GSS		=			
SEAARA1001SS162300	REG	U-235	-0.27		0.48	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1001SS162300	REG	U-238	1.39	0.62	1.07	pCi/g	GSS	*	J	J01		
SEAARA1002SS060080	REG	Ac-227	1.63	0.27	0.40	pCi/g	GSS		=			
SEAARA1002SS060080	REG	Am-241	0.20		0.26	pCi/g	GSS	U	U	T04, T05		
SEAARA1002SS060080	REG	Cs-137	0.01		0.15	pCi/g	GSS	U	U	T04, T05		
SEAARA1002SS060080	REG	K-40	9.35	1.65	1.67	pCi/g	GSS		=			
SEAARA1002SS060080	REG	Pa-231	1.58	0.96	1.99	pCi/g	GSS	U	U	T05		
SEAARA1002SS060080	REG	Ra-226	2.78	0.17	0.13	pCi/g	GSS		=			
SEAARA1002SS060080	REG	RA-228	0.88	0.12	0.19	pCi/g	GSS		=			
SEAARA1002SS060080	REG	TH-228	0.88	0.12	0.19	pCi/g	GSS		=			
SEAARA1002SS060080	REG	Th-230	56.46	10.93	16.00	pCi/g	GSS		=			
SEAARA1002SS060080	REG	TH-232	0.88	0.12	0.19	pCi/g	GSS		=			
SEAARA1002SS060080	REG	U-235	0.48		0.73	pCi/g	GSS	U	U	T04, T05		
SEAARA1002SS060080	REG	U-238	5.03	0.97	1.65	pCi/g	GSS		=			
SEAARA1002SS060180	REG	Ac-227	6.55	0.60	0.76	pCi/g	GSS		=			
SEAARA1002SS060180	REG	Am-241	0.03		0.52	pCi/g	GSS	U	U	T04, T05		
SEAARA1002SS060180	REG	Cs-137	0.08	0.06	0.12	pCi/g	GSS	U	U	T05		
SEAARA1002SS060180	REG	K-40	13.76	2.13	2.18	pCi/g	GSS		=			
SEAARA1002SS060180	REG	Pa-231	8.25	1.66	3.76	pCi/g	GSS		=			
SEAARA1002SS060180	REG	Ra-226	13.39	0.64	0.23	pCi/g	GSS		=			
SEAARA1002SS060180	REG	RA-228	1.04	0.16	0.34	pCi/g	GSS		=			
SEAARA1002SS060180	REG	TH-228	1.04	0.16	0.34	pCi/g	GSS		=			
SEAARA1002SS060180	REG	Th-230	195.54	23.99	30.90	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARA1002SS060180	REG	TH-232	1.04	0.16	0.34	pCi/g	GSS		=			
SEAARA1002SS060180	REG	U-235	3.76		1.42	pCi/g	GSS	U	U	T04		
SEAARA1002SS060180	REG	U-238	12.52	1.89	3.19	pCi/g	GSS		=			
SEAARA1002SS121320	REG	Ac-227	0.26	0.09	0.20	pCi/g	GSS		=			
SEAARA1002SS121320	REG	Am-241	0.00		0.12	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1002SS121320	REG	Cs-137	0.09		0.08	pCi/g	GSS	U	U	T04		
SEAARA1002SS121320	REG	K-40	4.84	1.05	1.26	pCi/g	GSS		=			
SEAARA1002SS121320	REG	Pa-231	0.90		1.79	pCi/g	GSS	U	U	T04, T05		
SEAARA1002SS121320	REG	Ra-226	0.83	0.06	0.07	pCi/g	GSS		=			
SEAARA1002SS121320	REG	RA-228	0.39	0.06	0.10	pCi/g	GSS		=			
SEAARA1002SS121320	REG	TH-228	0.39	0.06	0.10	pCi/g	GSS		=			
SEAARA1002SS121320	REG	Th-230	6.57	3.29	6.93	pCi/g	GSS	U	U	T05		
SEAARA1002SS121320	REG	TH-232	0.39	0.06	0.10	pCi/g	GSS		=			
SEAARA1002SS121320	REG	U-235	0.39		0.32	pCi/g	GSS	U	U	T04		
SEAARA1002SS121320	REG	U-238	2.23	0.45	0.72	pCi/g	GSS		=			
SEAARA1002SS121980	REG	Ac-227	0.34	0.10	0.25	pCi/g	GSS		=			
SEAARA1002SS121980	REG	Am-241	0.17		0.17	pCi/g	GSS	U	U	T04, T05		
SEAARA1002SS121980	REG	Cs-137	0.07	0.03	0.05	pCi/g	GSS		=			
SEAARA1002SS121980	REG	K-40	3.24	1.01	1.31	pCi/g	GSS		=			
SEAARA1002SS121980	REG	Pa-231	2.24		2.52	pCi/g	GSS	U	U	T04, T05		
SEAARA1002SS121980	REG	Ra-226	1.07	0.08	0.09	pCi/g	GSS		=			
SEAARA1002SS121980	REG	RA-228	0.42	0.07	0.13	pCi/g	GSS		=			
SEAARA1002SS121980	REG	TH-228	0.42	0.07	0.13	pCi/g	GSS		=			
SEAARA1002SS121980	REG	Th-230	10.81	4.62	9.32	pCi/g	GSS		=			
SEAARA1002SS121980	REG	TH-232	0.42	0.07	0.13	pCi/g	GSS		=			
SEAARA1002SS121980	REG	U-235	0.37		0.43	pCi/g	GSS	U	U	T04, T05		
SEAARA1002SS121980	REG	U-238	2.04	0.56	0.97	pCi/g	GSS		=			
SEAARA1002SS122640	REG	Ac-227	-0.41		1.15	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1002SS122640	REG	Am-241	0.00		0.22	pCi/g	GSS	U	U	T04, T05		
SEAARA1002SS122640	REG	Cs-137	0.90		0.16	pCi/g	GSS	U	U	T04		
SEAARA1002SS122640	REG	K-40	7.38	1.62	1.86	pCi/g	GSS		=			
SEAARA1002SS122640	REG	Pa-231	2.55		3.54	pCi/g	GSS	U	U	T04, T05		
SEAARA1002SS122640	REG	Ra-226	1.50	0.12	0.13	pCi/g	GSS		=			
SEAARA1002SS122640	REG	RA-228	1.33	0.15	0.20	pCi/g	GSS		=			
SEAARA1002SS122640	REG	TH-228	1.33	0.15	0.20	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARA1002SS122640	REG	Th-230	-0.13		21.60	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1002SS122640	REG	TH-232	1.33	0.15	0.20	pCi/g	GSS		=			
SEAARA1002SS122640	REG	U-235	0.10		0.55	pCi/g	GSS	U	U	T04, T05		
SEAARA1002SS122640	REG	U-238	1.82	0.65	1.25	pCi/g	GSS		=			
SEAARA1003SS060120	DUP	Ac-227	0.04		0.95	pCi/g	GSS	U			NC	
SEAARA1003SS060120	DUP	Am-241	-0.08		0.19	pCi/g	GSS	U			NC	
SEAARA1003SS060120	DUP	Cs-137	0.06	0.04	0.07	pCi/g	GSS	U			NC	
SEAARA1003SS060120	DUP	K-40	13.68	2.10	1.91	pCi/g	GSS				16.7%	
SEAARA1003SS060120	DUP	Pa-231	0.21		3.23	pCi/g	GSS	U			NC	
SEAARA1003SS060120	DUP	Ra-226	0.83	0.08	0.12	pCi/g	GSS				7.1%	
SEAARA1003SS060120	DUP	RA-228	0.83	0.12	0.18	pCi/g	GSS				11.0%	
SEAARA1003SS060120	DUP	TH-228	0.83	0.12	0.18	pCi/g	GSS				11.0%	
SEAARA1003SS060120	DUP	Th-230	-5.76		20.10	pCi/g	GSS	U			NC	
SEAARA1003SS060120	DUP	TH-232	0.83	0.12	0.18	pCi/g	GSS				11.0%	
SEAARA1003SS060120	DUP	U-235	0.16		0.52	pCi/g	GSS	U			NC	
SEAARA1003SS060120	DUP	U-238	2.10	0.66	1.21	pCi/g	GSS				33.0%	
SEAARA1003SS060120	REG	Ac-227	-0.37		1.02	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1003SS060120	REG	Am-241	0.13		0.22	pCi/g	GSS	U	U	T04, T05		
SEAARA1003SS060120	REG	Cs-137	0.06		0.16	pCi/g	GSS	U	U	T04, T05		
SEAARA1003SS060120	REG	K-40	16.18	2.35	1.88	pCi/g	GSS		=			
SEAARA1003SS060120	REG	Pa-231	-0.12		3.22	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1003SS060120	REG	Ra-226	0.89	0.09	0.12	pCi/g	GSS		=			
SEAARA1003SS060120	REG	RA-228	0.92	0.13	0.21	pCi/g	GSS		=			
SEAARA1003SS060120	REG	TH-228	0.92	0.13	0.21	pCi/g	GSS		=			
SEAARA1003SS060120	REG	Th-230	-3.67		20.40	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1003SS060120	REG	TH-232	0.92	0.13	0.21	pCi/g	GSS		=			
SEAARA1003SS060120	REG	U-235	0.11		0.54	pCi/g	GSS	U	U	T04, T05		
SEAARA1003SS060120	REG	U-238	1.51	0.65	1.19	pCi/g	GSS		=			
SEAARA1003SS120240	REG	Ac-227	-0.48		1.15	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1003SS120240	REG	Am-241	0.00		0.23	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1003SS120240	REG	Cs-137	0.07	0.05	0.09	pCi/g	GSS	U	U	T05		
SEAARA1003SS120240	REG	K-40	14.46	2.51	2.39	pCi/g	GSS		=			
SEAARA1003SS120240	REG	Pa-231	0.91		3.84	pCi/g	GSS	U	U	T04, T05		
SEAARA1003SS120240	REG	Ra-226	0.77	0.09	0.14	pCi/g	GSS		=			
SEAARA1003SS120240	REG	RA-228	0.87	0.15	0.21	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARA1003SS120240	REG	TH-228	0.87	0.15	0.21	pCi/g	GSS		=			
SEAARA1003SS120240	REG	Th-230	17.23		23.00	pCi/g	GSS	U	U	T04, T05		
SEAARA1003SS120240	REG	TH-232	0.87	0.15	0.21	pCi/g	GSS		=			
SEAARA1003SS120240	REG	U-235	-0.18		0.59	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1003SS120240	REG	U-238	1.90	0.74	1.40	pCi/g	GSS		=			
SEAARA1003SS241920	REG	Ac-227	-0.22		0.56	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1003SS241920	REG	Am-241	-0.06		0.12	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1003SS241920	REG	Cs-137	0.05	0.02	0.04	pCi/g	GSS		=			
SEAARA1003SS241920	REG	K-40	8.08	1.17	1.20	pCi/g	GSS		=			
SEAARA1003SS241920	REG	Pa-231	2.38		1.90	pCi/g	GSS	U	U	T04		
SEAARA1003SS241920	REG	Ra-226	0.80	0.06	0.07	pCi/g	GSS		=			
SEAARA1003SS241920	REG	RA-228	0.73	0.08	0.11	pCi/g	GSS		=			
SEAARA1003SS241920	REG	TH-228	0.73	0.08	0.11	pCi/g	GSS		=			
SEAARA1003SS241920	REG	Th-230	-6.00		11.20	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1003SS241920	REG	TH-232	0.73	0.08	0.11	pCi/g	GSS		=			
SEAARA1003SS241920	REG	U-235	-0.05		0.31	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1003SS241920	REG	U-238	1.41	0.37	0.70	pCi/g	GSS		=			
SEAARA1004SS060080	REG	Ac-227	23.25	2.84	1.12	pCi/g	GSS		=			
SEAARA1004SS060080	REG	Am-241	-0.66		0.83	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1004SS060080	REG	Cs-137	0.09	0.14	0.15	pCi/g	GSS	U	U	T05		
SEAARA1004SS060080	REG	K-40	13.55	4.39	2.59	pCi/g	GSS	*	=			
SEAARA1004SS060080	REG	Pa-231	21.88	9.21	5.37	pCi/g	GSS		=			
SEAARA1004SS060080	REG	Ra-226	23.76	2.08	0.29	pCi/g	GSS		=			
SEAARA1004SS060080	REG	RA-228	1.16	0.37	0.45	pCi/g	GSS		=			
SEAARA1004SS060080	REG	TH-228	1.16	0.37	0.45	pCi/g	GSS		=			
SEAARA1004SS060080	REG	Th-230	776.74	#####	50.30	pCi/g	GSS		=			
SEAARA1004SS060080	REG	TH-232	1.16	0.37	0.45	pCi/g	GSS		=			
SEAARA1004SS060080	REG	U-235	6.14	1.25	1.23	pCi/g	GSS		=			
SEAARA1004SS060080	REG	U-238	52.38	10.19	5.25	pCi/g	GSS	*	J	J01		
SEAARA1004SS060140	REG	Ac-227	11.34	0.85	0.84	pCi/g	GSS		=			
SEAARA1004SS060140	REG	Am-241	-0.23		0.62	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1004SS060140	REG	Cs-137	0.08	0.06	0.12	pCi/g	GSS	U	U	T05		
SEAARA1004SS060140	REG	K-40	12.29	2.08	2.27	pCi/g	GSS	*	=			
SEAARA1004SS060140	REG	Pa-231	13.25	2.72	4.14	pCi/g	GSS		=			
SEAARA1004SS060140	REG	Ra-226	15.06	0.70	0.25	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARA1004SS060140	REG	RA-228	0.96	0.16	0.35	pCi/g	GSS		=			
SEAARA1004SS060140	REG	TH-228	0.96	0.16	0.35	pCi/g	GSS		=			
SEAARA1004SS060140	REG	Th-230	379.07	38.66	37.80	pCi/g	GSS		=			
SEAARA1004SS060140	REG	TH-232	0.96	0.16	0.35	pCi/g	GSS		=			
SEAARA1004SS060140	REG	U-235	3.85	0.45	0.92	pCi/g	GSS		=			
SEAARA1004SS060140	REG	U-238	30.82	3.93	3.92	pCi/g	GSS	*	J	J01		
SEAARA1004SS061500	REG	Ac-227	-0.14		1.02	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1004SS061500	REG	Am-241	0.06		0.21	pCi/g	GSS	U	U	T04, T05		
SEAARA1004SS061500	REG	Cs-137	0.11		0.15	pCi/g	GSS	U	U	T04, T05		
SEAARA1004SS061500	REG	K-40	14.78	2.16	1.83	pCi/g	GSS	*	=			
SEAARA1004SS061500	REG	Pa-231	1.93		3.32	pCi/g	GSS	U	U	T04, T05		
SEAARA1004SS061500	REG	Ra-226	0.81	0.08	0.12	pCi/g	GSS		=			
SEAARA1004SS061500	REG	RA-228	0.89	0.13	0.18	pCi/g	GSS		=			
SEAARA1004SS061500	REG	TH-228	0.89	0.13	0.18	pCi/g	GSS		=			
SEAARA1004SS061500	REG	Th-230	15.96		20.30	pCi/g	GSS	U	U	T04, T05		
SEAARA1004SS061500	REG	TH-232	0.89	0.13	0.18	pCi/g	GSS		=			
SEAARA1004SS061500	REG	U-235	-0.17		0.53	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1004SS061500	REG	U-238	1.12	0.59	1.18	pCi/g	GSS	U*	U	T05		
SEAARA1004SS120720	REG	Ac-227	10.72	0.82	0.83	pCi/g	GSS		=			
SEAARA1004SS120720	REG	Am-241	-0.71		0.59	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1004SS120720	REG	Cs-137	0.21		0.26	pCi/g	GSS	U	U	T04, T05		
SEAARA1004SS120720	REG	K-40	11.37	2.16	2.54	pCi/g	GSS	*	=			
SEAARA1004SS120720	REG	Pa-231	10.87	2.28	4.05	pCi/g	GSS		=			
SEAARA1004SS120720	REG	Ra-226	11.27	0.57	0.24	pCi/g	GSS		=			
SEAARA1004SS120720	REG	RA-228	0.87	0.16	0.34	pCi/g	GSS		=			
SEAARA1004SS120720	REG	TH-228	0.87	0.16	0.34	pCi/g	GSS		=			
SEAARA1004SS120720	REG	Th-230	369.44	42.19	36.80	pCi/g	GSS		=			
SEAARA1004SS120720	REG	TH-232	0.87	0.16	0.34	pCi/g	GSS		=			
SEAARA1004SS120720	REG	U-235	3.37	0.42	0.88	pCi/g	GSS		=			
SEAARA1004SS120720	REG	U-238	25.99	3.23	3.82	pCi/g	GSS	*	J	J01		
SEAARA1004SS121380	REG	Ac-227	4.09	0.42	0.55	pCi/g	GSS		=			
SEAARA1004SS121380	REG	Am-241	-0.05		0.38	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1004SS121380	REG	Cs-137	0.16		0.18	pCi/g	GSS	U	U	T04, T05		
SEAARA1004SS121380	REG	K-40	8.41	1.71	1.98	pCi/g	GSS	*	=			
SEAARA1004SS121380	REG	Pa-231	4.49	1.21	2.62	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARA1004SS121380	REG	Ra-226	5.21	0.29	0.15	pCi/g	GSS		=			
SEAARA1004SS121380	REG	RA-228	0.81	0.13	0.24	pCi/g	GSS		=			
SEAARA1004SS121380	REG	TH-228	0.81	0.13	0.24	pCi/g	GSS		=			
SEAARA1004SS121380	REG	Th-230	158.61	26.42	23.50	pCi/g	GSS		=			
SEAARA1004SS121380	REG	TH-232	0.81	0.13	0.24	pCi/g	GSS		=			
SEAARA1004SS121380	REG	U-235	2.19	0.31	0.56	pCi/g	GSS		=			
SEAARA1004SS121380	REG	U-238	8.56	1.46	2.45	pCi/g	GSS	*	J	J01		
SEAARA1004SS121740	DUP	Ac-227	-0.05		0.71	pCi/g	GSS	U			NC	NC
SEAARA1004SS121740	DUP	Am-241	0.08		0.16	pCi/g	GSS	U			NC	NC
SEAARA1004SS121740	DUP	Cs-137	0.10		0.12	pCi/g	GSS	U			NC	NC
SEAARA1004SS121740	DUP	K-40	6.14	1.46	1.66	pCi/g	GSS	*			29.6%	1.96
SEAARA1004SS121740	DUP	Pa-231	1.58		2.69	pCi/g	GSS	U			NC	NC
SEAARA1004SS121740	DUP	Ra-226	0.69	0.07	0.10	pCi/g	GSS				3.6%	OK
SEAARA1004SS121740	DUP	RA-228	0.50	0.09	0.13	pCi/g	GSS				10.5%	OK
SEAARA1004SS121740	DUP	TH-228	0.50	0.09	0.13	pCi/g	GSS				10.5%	OK
SEAARA1004SS121740	DUP	Th-230	-2.08		14.90	pCi/g	GSS	U			NC	NC
SEAARA1004SS121740	DUP	TH-232	0.50	0.09	0.13	pCi/g	GSS				10.5%	OK
SEAARA1004SS121740	DUP	U-235	-0.12		0.40	pCi/g	GSS	U			NC	NC
SEAARA1004SS121740	DUP	U-238	1.19	0.47	0.90	pCi/g	GSS	*			NC	3.15
SEAARA1004SS121740	REG	Ac-227	0.05		0.70	pCi/g	GSS	U	U	T04, T05		
SEAARA1004SS121740	REG	Am-241	-0.03		0.16	pCi/g	GSS	U	UJ	T04, T06		
SEAARA1004SS121740	REG	Cs-137	0.14		0.13	pCi/g	GSS	U	U	T04		
SEAARA1004SS121740	REG	K-40	8.28	1.56	1.64	pCi/g	GSS	*	=			
SEAARA1004SS121740	REG	Pa-231	0.67		2.75	pCi/g	GSS	U	U	T04, T05		
SEAARA1004SS121740	REG	Ra-226	0.67	0.07	0.09	pCi/g	GSS		=			
SEAARA1004SS121740	REG	RA-228	0.45	0.09	0.16	pCi/g	GSS		=			
SEAARA1004SS121740	REG	TH-228	0.45	0.09	0.16	pCi/g	GSS		=			
SEAARA1004SS121740	REG	Th-230	2.55		14.50	pCi/g	GSS	U	U	T04, T05		
SEAARA1004SS121740	REG	TH-232	0.45	0.09	0.16	pCi/g	GSS		=			
SEAARA1004SS121740	REG	U-235	0.20		0.41	pCi/g	GSS	U	U	T04, T05		
SEAARA1004SS121740	REG	U-238	0.43		1.59	pCi/g	GSS	U*	U	T04, T05		
SEAARA2001SS060120	REG	Ac-227	20.50	1.46	1.43	pCi/g	GSS		=			
SEAARA2001SS060120	REG	Am-241	0.30		1.00	pCi/g	GSS	U	U	T04, T05		
SEAARA2001SS060120	REG	Cs-137	0.02		0.43	pCi/g	GSS	U	U	T04, T05		
SEAARA2001SS060120	REG	K-40	15.43	2.81	3.14	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARA2001SS060120	REG	Pa-231	20.80	3.65	6.97	pCi/g	GSS		=			
SEAARA2001SS060120	REG	Ra-226	31.73	1.43	0.38	pCi/g	GSS		=			
SEAARA2001SS060120	REG	RA-228	1.15	0.23	0.57	pCi/g	GSS		=			
SEAARA2001SS060120	REG	TH-228	1.15	0.23	0.57	pCi/g	GSS		=			
SEAARA2001SS060120	REG	Th-230	672.95	72.37	61.90	pCi/g	GSS		=			
SEAARA2001SS060120	REG	TH-232	1.15	0.23	0.57	pCi/g	GSS		=			
SEAARA2001SS060120	REG	U-235	8.81		2.77	pCi/g	GSS	U	U	T04		
SEAARA2001SS060120	REG	U-238	33.73	4.16	6.40	pCi/g	GSS		=			
SEAARA2001SS060180	REG	Ac-227	0.48	0.14	0.32	pCi/g	GSS		=			
SEAARA2001SS060180	REG	Am-241	-0.08		0.18	pCi/g	GSS	U	UJ	T04, T06		
SEAARA2001SS060180	REG	Cs-137	0.11		0.13	pCi/g	GSS	U	U	T04, T05		
SEAARA2001SS060180	REG	K-40	6.93	1.45	1.60	pCi/g	GSS		=			
SEAARA2001SS060180	REG	Pa-231	3.14		3.02	pCi/g	GSS	U	U	T04		
SEAARA2001SS060180	REG	Ra-226	1.42	0.10	0.11	pCi/g	GSS		=			
SEAARA2001SS060180	REG	RA-228	0.66	0.10	0.16	pCi/g	GSS		=			
SEAARA2001SS060180	REG	TH-228	0.66	0.10	0.16	pCi/g	GSS		=			
SEAARA2001SS060180	REG	Th-230	12.25	5.68	11.20	pCi/g	GSS		=			
SEAARA2001SS060180	REG	TH-232	0.66	0.10	0.16	pCi/g	GSS		=			
SEAARA2001SS060180	REG	U-235	0.77		0.57	pCi/g	GSS	U	U	T04		
SEAARA2001SS060180	REG	U-238	3.56	0.76	1.13	pCi/g	GSS		=			
SEAARA2001SS240360	REG	Ac-227	0.67		0.92	pCi/g	GSS	U	U	T04, T05		
SEAARA2001SS240360	REG	Am-241	0.15		0.20	pCi/g	GSS	U	U	T04, T05		
SEAARA2001SS240360	REG	Cs-137	0.09		0.14	pCi/g	GSS	U	U	T04, T05		
SEAARA2001SS240360	REG	K-40	6.20	1.53	1.85	pCi/g	GSS		=			
SEAARA2001SS240360	REG	Pa-231	2.74		3.32	pCi/g	GSS	U	U	T04, T05		
SEAARA2001SS240360	REG	Ra-226	1.19	0.10	0.11	pCi/g	GSS		=			
SEAARA2001SS240360	REG	RA-228	0.66	0.11	0.17	pCi/g	GSS		=			
SEAARA2001SS240360	REG	TH-228	0.66	0.11	0.17	pCi/g	GSS		=			
SEAARA2001SS240360	REG	Th-230	10.49	5.44	11.70	pCi/g	GSS	U	U	T05		
SEAARA2001SS240360	REG	TH-232	0.66	0.11	0.17	pCi/g	GSS		=			
SEAARA2001SS240360	REG	U-235	0.14		0.55	pCi/g	GSS	U	U	T04, T05		
SEAARA2001SS240360	REG	U-238	1.66	0.62	1.24	pCi/g	GSS		=			
SEAARA2002SS061860	REG	Ac-227	-0.45		1.08	pCi/g	GSS	U	UJ	T04, T06		
SEAARA2002SS061860	REG	Am-241	0.08		0.21	pCi/g	GSS	U	U	T04, T05		
SEAARA2002SS061860	REG	Cs-137	-0.04		0.14	pCi/g	GSS	U	UJ	T04, T06		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation	Qualifier	Reason Code	RPD	NAD
SEAARA2002SS061860	REG	K-40	6.54	1.45	1.66	pCi/g	GSS		=				
SEAARA2002SS061860	REG	Pa-231	0.82		3.23	pCi/g	GSS	U	U		T04, T05		
SEAARA2002SS061860	REG	Ra-226	1.47	0.11	0.12	pCi/g	GSS		=				
SEAARA2002SS061860	REG	RA-228	1.41	0.15	0.19	pCi/g	GSS		=				
SEAARA2002SS061860	REG	TH-228	1.41	0.15	0.19	pCi/g	GSS		=				
SEAARA2002SS061860	REG	Th-230	4.92		20.20	pCi/g	GSS	U	U		T04, T05		
SEAARA2002SS061860	REG	TH-232	1.41	0.15	0.19	pCi/g	GSS		=				
SEAARA2002SS061860	REG	U-235	-0.12		0.52	pCi/g	GSS	U	UJ		T04, T06		
SEAARA2002SS061860	REG	U-238	1.35	0.58	1.18	pCi/g	GSS		=				
SEAARA2002SS080080	REG	Ac-227	15.65	1.05	0.92	pCi/g	GSS		=				
SEAARA2002SS080080	REG	Am-241	0.01		0.65	pCi/g	GSS	U	U		T04, T05		
SEAARA2002SS080080	REG	Cs-137	0.01		0.26	pCi/g	GSS	U	U		T04, T05		
SEAARA2002SS080080	REG	K-40	16.68	2.21	2.10	pCi/g	GSS		=				
SEAARA2002SS080080	REG	Pa-231	18.97	3.58	4.46	pCi/g	GSS		=				
SEAARA2002SS080080	REG	Ra-226	20.00	0.91	0.24	pCi/g	GSS		=				
SEAARA2002SS080080	REG	RA-228	1.21	0.18	0.38	pCi/g	GSS		=				
SEAARA2002SS080080	REG	TH-228	1.21	0.18	0.38	pCi/g	GSS		=				
SEAARA2002SS080080	REG	Th-230	491.78	48.25	40.20	pCi/g	GSS		=				
SEAARA2002SS080080	REG	TH-232	1.21	0.18	0.38	pCi/g	GSS		=				
SEAARA2002SS080080	REG	U-235	5.11	0.59	0.99	pCi/g	GSS		=				
SEAARA2002SS080080	REG	U-238	27.11	2.96	4.17	pCi/g	GSS		=				
SEAARA2002SS081620	REG	Ac-227	0.09		1.29	pCi/g	GSS	U	U		T04, T05		
SEAARA2002SS081620	REG	Am-241	-0.02		0.27	pCi/g	GSS	U	UJ		T04, T06		
SEAARA2002SS081620	REG	Cs-137	0.12		0.17	pCi/g	GSS	U	U		T04, T05		
SEAARA2002SS081620	REG	K-40	6.28	1.50	1.82	pCi/g	GSS		=				
SEAARA2002SS081620	REG	Pa-231	0.24		4.23	pCi/g	GSS	U	U		T04, T05		
SEAARA2002SS081620	REG	Ra-226	4.19	0.24	0.15	pCi/g	GSS		=				
SEAARA2002SS081620	REG	RA-228	1.53	0.17	0.23	pCi/g	GSS		=				
SEAARA2002SS081620	REG	TH-228	1.53	0.17	0.23	pCi/g	GSS		=				
SEAARA2002SS081620	REG	Th-230	12.33	6.99	15.90	pCi/g	GSS	U	U		T05		
SEAARA2002SS081620	REG	TH-232	1.53	0.17	0.23	pCi/g	GSS		=				
SEAARA2002SS081620	REG	U-235	0.50		0.73	pCi/g	GSS	U	U		T04, T05		
SEAARA2002SS081620	REG	U-238	4.43	0.95	1.65	pCi/g	GSS		=				
SEAARA2002SS180300	REG	Ac-227	2.94	0.37	0.50	pCi/g	GSS		=				
SEAARA2002SS180300	REG	Am-241	-0.08		0.35	pCi/g	GSS	U	UJ		T04, T06		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARA2002SS180300	REG	Cs-137	0.11	0.05	0.09	pCi/g	GSS		=			
SEAARA2002SS180300	REG	K-40	13.33	1.93	1.77	pCi/g	GSS		=			
SEAARA2002SS180300	REG	Pa-231	3.30	1.03	2.58	pCi/g	GSS		=			
SEAARA2002SS180300	REG	Ra-226	4.97	0.27	0.15	pCi/g	GSS		=			
SEAARA2002SS180300	REG	RA-228	0.81	0.12	0.22	pCi/g	GSS		=			
SEAARA2002SS180300	REG	TH-228	0.81	0.12	0.22	pCi/g	GSS		=			
SEAARA2002SS180300	REG	Th-230	109.97	17.39	21.50	pCi/g	GSS		=			
SEAARA2002SS180300	REG	TH-232	0.81	0.12	0.22	pCi/g	GSS		=			
SEAARA2002SS180300	REG	U-235	1.73	0.27	0.53	pCi/g	GSS		=			
SEAARA2002SS180300	REG	U-238	11.32	1.68	2.22	pCi/g	GSS		=			
SEAARA2002SS242280	REG	Ac-227	-0.43		1.24	pCi/g	GSS	U	UJ	T04, T06		
SEAARA2002SS242280	REG	Am-241	0.04		0.24	pCi/g	GSS	U	U	T04, T05		
SEAARA2002SS242280	REG	Cs-137	-0.02		0.15	pCi/g	GSS	U	UJ	T04, T06		
SEAARA2002SS242280	REG	K-40	7.86	1.64	1.69	pCi/g	GSS		=			
SEAARA2002SS242280	REG	Pa-231	-0.49		3.67	pCi/g	GSS	U	UJ	T04, T06		
SEAARA2002SS242280	REG	Ra-226	1.51	0.12	0.13	pCi/g	GSS		=			
SEAARA2002SS242280	REG	RA-228	1.54	0.17	0.19	pCi/g	GSS		=			
SEAARA2002SS242280	REG	TH-228	1.54	0.17	0.19	pCi/g	GSS		=			
SEAARA2002SS242280	REG	Th-230	5.68		21.30	pCi/g	GSS	U	U	T04, T05		
SEAARA2002SS242280	REG	TH-232	1.54	0.17	0.19	pCi/g	GSS		=			
SEAARA2002SS242280	REG	U-235	0.53		0.61	pCi/g	GSS	U	U	T04, T05		
SEAARA2002SS242280	REG	U-238	1.70	0.69	1.34	pCi/g	GSS		=			
SEAARA2002SS242281	REG	Ac-227	-0.17		1.07	pCi/g	GSS	U	UJ	T04, T06		
SEAARA2002SS242281	REG	Am-241	-0.14		0.21	pCi/g	GSS	U	UJ	T04, T06		
SEAARA2002SS242281	REG	Cs-137	0.14		0.14	pCi/g	GSS	U	U	T04		
SEAARA2002SS242281	REG	K-40	4.61	1.31	1.57	pCi/g	GSS		=			
SEAARA2002SS242281	REG	Pa-231	-1.62		3.32	pCi/g	GSS	U	UJ	T04, T06		
SEAARA2002SS242281	REG	Ra-226	1.37	0.10	0.11	pCi/g	GSS		=			
SEAARA2002SS242281	REG	RA-228	1.35	0.15	0.18	pCi/g	GSS		=			
SEAARA2002SS242281	REG	TH-228	1.35	0.15	0.18	pCi/g	GSS		=			
SEAARA2002SS242281	REG	Th-230	-5.67		19.10	pCi/g	GSS	U	UJ	T04, T06		
SEAARA2002SS242281	REG	TH-232	1.35	0.15	0.18	pCi/g	GSS		=			
SEAARA2002SS242281	REG	U-235	-0.16		0.54	pCi/g	GSS	U	UJ	T04, T06		
SEAARA2002SS242281	REG	U-238	1.34	0.59	1.14	pCi/g	GSS		=			
SEAARB1001SS065460	REG	Ac-227	0.15		0.71	pCi/g	GSS	U	U	T04, T05		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation	Qualifier	Reason Code	RPD	NAD
SEAARB1001SS065460	REG	Am-241	-0.12		0.15	pCi/g	GSS	U		UJ	T04, T06		
SEAARB1001SS065460	REG	Cs-137	0.04		0.10	pCi/g	GSS	U		U	T04, T05		
SEAARB1001SS065460	REG	K-40	18.33	2.00	1.28	pCi/g	GSS			=			
SEAARB1001SS065460	REG	Pa-231	0.65		2.46	pCi/g	GSS	U		U	T04, T05		
SEAARB1001SS065460	REG	Ra-226	0.64	0.06	0.09	pCi/g	GSS			=			
SEAARB1001SS065460	REG	RA-228	0.81	0.10	0.13	pCi/g	GSS			=			
SEAARB1001SS065460	REG	TH-228	0.81	0.10	0.13	pCi/g	GSS			=			
SEAARB1001SS065460	REG	Th-230	5.53		14.90	pCi/g	GSS	U		U	T04, T05		
SEAARB1001SS065460	REG	TH-232	0.81	0.10	0.13	pCi/g	GSS			=			
SEAARB1001SS065460	REG	U-235	-0.14		0.40	pCi/g	GSS	U		UJ	T04, T06		
SEAARB1001SS065460	REG	U-238	0.59	0.41	0.85	pCi/g	GSS	U		U	T05		
SEAARB2001SS062160	REG	Ac-227	0.47	0.14	0.27	pCi/g	GSS			=			
SEAARB2001SS062160	REG	Am-241	-0.13		0.16	pCi/g	GSS	U		UJ	T04, T06		
SEAARB2001SS062160	REG	Cs-137	0.04		0.09	pCi/g	GSS	U		U	T04, T05		
SEAARB2001SS062160	REG	K-40	12.01	1.50	1.14	pCi/g	GSS			=			
SEAARB2001SS062160	REG	Pa-231	-0.47		2.57	pCi/g	GSS	U		UJ	T04, T06		
SEAARB2001SS062160	REG	Ra-226	1.24	0.09	0.08	pCi/g	GSS			=			
SEAARB2001SS062160	REG	RA-228	0.77	0.09	0.13	pCi/g	GSS			=			
SEAARB2001SS062160	REG	TH-228	0.77	0.09	0.13	pCi/g	GSS			=			
SEAARB2001SS062160	REG	Th-230	11.59	4.67	9.76	pCi/g	GSS			=			
SEAARB2001SS062160	REG	TH-232	0.77	0.09	0.13	pCi/g	GSS			=			
SEAARB2001SS062160	REG	U-235	0.47		0.45	pCi/g	GSS	U		U	T04		
SEAARB2001SS062160	REG	U-238	1.18	0.48	1.02	pCi/g	GSS			=			
SEAARB2001SS062520	REG	Ac-227	3.16	0.29	0.36	pCi/g	GSS			=			
SEAARB2001SS062520	REG	Am-241	-0.16		0.24	pCi/g	GSS	U		UJ	T04, T06		
SEAARB2001SS062520	REG	Cs-137	0.11		0.11	pCi/g	GSS	U		U	T04		
SEAARB2001SS062520	REG	K-40	7.04	1.08	1.11	pCi/g	GSS			=			
SEAARB2001SS062520	REG	Pa-231	3.39	0.73	1.78	pCi/g	GSS			=			
SEAARB2001SS062520	REG	Ra-226	7.43	0.33	0.11	pCi/g	GSS			=			
SEAARB2001SS062520	REG	RA-228	0.77	0.08	0.16	pCi/g	GSS			=			
SEAARB2001SS062520	REG	TH-228	0.77	0.08	0.16	pCi/g	GSS			=			
SEAARB2001SS062520	REG	Th-230	87.29	11.33	14.30	pCi/g	GSS			=			
SEAARB2001SS062520	REG	TH-232	0.77	0.08	0.16	pCi/g	GSS			=			
SEAARB2001SS062520	REG	U-235	1.42	0.18	0.38	pCi/g	GSS			=			
SEAARB2001SS062520	REG	U-238	5.24	0.80	1.48	pCi/g	GSS			=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARB2001SS063060	REG	Ac-227	5.98	0.53	0.59	pCi/g	GSS		=			
SEAARB2001SS063060	REG	Am-241	-0.37		0.39	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2001SS063060	REG	Cs-137	0.11		0.18	pCi/g	GSS	U	U	T04, T05		
SEAARB2001SS063060	REG	K-40	10.05	1.57	1.61	pCi/g	GSS		=			
SEAARB2001SS063060	REG	Pa-231	6.45	1.36	2.87	pCi/g	GSS		=			
SEAARB2001SS063060	REG	Ra-226	8.82	0.41	0.16	pCi/g	GSS		=			
SEAARB2001SS063060	REG	RA-228	1.05	0.13	0.23	pCi/g	GSS		=			
SEAARB2001SS063060	REG	TH-228	1.05	0.13	0.23	pCi/g	GSS		=			
SEAARB2001SS063060	REG	Th-230	200.89	26.71	24.00	pCi/g	GSS		=			
SEAARB2001SS063060	REG	TH-232	1.05	0.13	0.23	pCi/g	GSS		=			
SEAARB2001SS063060	REG	U-235	2.06	0.28	0.61	pCi/g	GSS		=			
SEAARB2001SS063060	REG	U-238	10.20	1.46	2.47	pCi/g	GSS		=			
SEAARB2002SS060420	REG	Ac-227	0.11		0.62	pCi/g	GSS	U	U	T04, T05		
SEAARB2002SS060420	REG	Am-241	-0.04		0.13	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2002SS060420	REG	Cs-137	0.05	0.02	0.04	pCi/g	GSS		=			
SEAARB2002SS060420	REG	K-40	13.03	1.78	1.19	pCi/g	GSS		=			
SEAARB2002SS060420	REG	Pa-231	0.27		1.96	pCi/g	GSS	U	U	T04, T05		
SEAARB2002SS060420	REG	Ra-226	1.09	0.07	0.07	pCi/g	GSS		=			
SEAARB2002SS060420	REG	RA-228	0.81	0.08	0.12	pCi/g	GSS		=			
SEAARB2002SS060420	REG	TH-228	0.81	0.08	0.12	pCi/g	GSS		=			
SEAARB2002SS060420	REG	Th-230	8.06	4.57	7.66	pCi/g	GSS		=			
SEAARB2002SS060420	REG	TH-232	0.81	0.08	0.12	pCi/g	GSS		=			
SEAARB2002SS060420	REG	U-235	0.46		0.35	pCi/g	GSS	U	U	T04		
SEAARB2002SS060420	REG	U-238	1.63	0.42	0.79	pCi/g	GSS		=			
SEAARB2002SS063060	REG	Ac-227	-0.20		0.68	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2002SS063060	REG	Am-241	-0.09		0.14	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2002SS063060	REG	Cs-137	0.04		0.10	pCi/g	GSS	U	U	T04, T05		
SEAARB2002SS063060	REG	K-40	15.21	1.93	1.24	pCi/g	GSS		=			
SEAARB2002SS063060	REG	Pa-231	0.03		2.15	pCi/g	GSS	U	U	T04, T05		
SEAARB2002SS063060	REG	Ra-226	0.59	0.06	0.08	pCi/g	GSS		=			
SEAARB2002SS063060	REG	RA-228	0.58	0.08	0.13	pCi/g	GSS		=			
SEAARB2002SS063060	REG	TH-228	0.58	0.08	0.13	pCi/g	GSS		=			
SEAARB2002SS063060	REG	Th-230	-3.47		14.20	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2002SS063060	REG	TH-232	0.58	0.08	0.13	pCi/g	GSS		=			
SEAARB2002SS063060	REG	U-235	0.27		0.39	pCi/g	GSS	U	U	T04, T05		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARB2002SS063060	REG	U-238	0.81	0.42	0.88	pCi/g	GSS	U	U	T05		
SEAARB2003SS061560	REG	Ac-227	-0.32		0.76	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2003SS061560	REG	Am-241	0.05		0.17	pCi/g	GSS	U	U	T04, T05		
SEAARB2003SS061560	REG	Cs-137	0.11		0.12	pCi/g	GSS	U	U	T04, T05		
SEAARB2003SS061560	REG	K-40	8.46	1.55	1.60	pCi/g	GSS		=			
SEAARB2003SS061560	REG	Pa-231	3.44		2.80	pCi/g	GSS	U	U	T04		
SEAARB2003SS061560	REG	Ra-226	0.74	0.07	0.09	pCi/g	GSS		=			
SEAARB2003SS061560	REG	RA-228	0.65	0.10	0.14	pCi/g	GSS		=			
SEAARB2003SS061560	REG	TH-228	0.65	0.10	0.14	pCi/g	GSS		=			
SEAARB2003SS061560	REG	Th-230	-4.42		15.50	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2003SS061560	REG	TH-232	0.65	0.10	0.14	pCi/g	GSS		=			
SEAARB2003SS061560	REG	U-235	0.03		0.39	pCi/g	GSS	U	U	T04, T05		
SEAARB2003SS061560	REG	U-238	0.29		1.62	pCi/g	GSS	U	U	T04, T05		
SEAARB2003SS061740	REG	Ac-227	2.29	0.23	0.30	pCi/g	GSS		=			
SEAARB2003SS061740	REG	Am-241	-0.05		0.20	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2003SS061740	REG	Cs-137	0.04	0.02	0.05	pCi/g	GSS	U	U	T05		
SEAARB2003SS061740	REG	K-40	10.98	1.56	1.13	pCi/g	GSS		=			
SEAARB2003SS061740	REG	Pa-231	1.75	0.77	1.49	pCi/g	GSS		=			
SEAARB2003SS061740	REG	Ra-226	3.72	0.18	0.10	pCi/g	GSS		=			
SEAARB2003SS061740	REG	RA-228	0.66	0.08	0.13	pCi/g	GSS		=			
SEAARB2003SS061740	REG	TH-228	0.66	0.08	0.13	pCi/g	GSS		=			
SEAARB2003SS061740	REG	Th-230	71.82	8.88	12.20	pCi/g	GSS		=			
SEAARB2003SS061740	REG	TH-232	0.66	0.08	0.13	pCi/g	GSS		=			
SEAARB2003SS061740	REG	U-235	1.48		0.55	pCi/g	GSS	U	U	T04		
SEAARB2003SS061740	REG	U-238	5.11	0.85	1.26	pCi/g	GSS		=			
SEAARB2004SS062400	REG	Ac-227	4.10	0.40	0.50	pCi/g	GSS		=			
SEAARB2004SS062400	REG	Am-241	-0.04		0.33	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2004SS062400	REG	Cs-137	0.21		0.15	pCi/g	GSS	U	U	T04		
SEAARB2004SS062400	REG	K-40	10.85	1.53	1.43	pCi/g	GSS		=			
SEAARB2004SS062400	REG	Pa-231	4.60	1.14	2.48	pCi/g	GSS		=			
SEAARB2004SS062400	REG	Ra-226	6.12	0.31	0.14	pCi/g	GSS		=			
SEAARB2004SS062400	REG	RA-228	0.85	0.11	0.20	pCi/g	GSS		=			
SEAARB2004SS062400	REG	TH-228	0.85	0.11	0.20	pCi/g	GSS		=			
SEAARB2004SS062400	REG	Th-230	132.95	17.78	20.90	pCi/g	GSS		=			
SEAARB2004SS062400	REG	TH-232	0.85	0.11	0.20	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation	Qualifier	Reason Code	RPD	NAD
SEAARB2004SS062400	REG	U-235	1.78		0.94	pCi/g	GSS	U		U	T04		
SEAARB2004SS062400	REG	U-238	10.23	1.36	2.16	pCi/g	GSS			=			
SEAARB2004SS062460	REG	Ac-227	0.89	0.17	0.32	pCi/g	GSS			=			
SEAARB2004SS062460	REG	Am-241	-0.19		0.20	pCi/g	GSS	U		UJ	T04, T06		
SEAARB2004SS062460	REG	Cs-137	0.03		0.11	pCi/g	GSS	U		U	T04, T05		
SEAARB2004SS062460	REG	K-40	6.47	1.26	1.37	pCi/g	GSS			=			
SEAARB2004SS062460	REG	Pa-231	0.91		3.13	pCi/g	GSS	U		U	T04, T05		
SEAARB2004SS062460	REG	Ra-226	1.62	0.12	0.09	pCi/g	GSS			=			
SEAARB2004SS062460	REG	RA-228	0.53	0.09	0.14	pCi/g	GSS			=			
SEAARB2004SS062460	REG	TH-228	0.53	0.09	0.14	pCi/g	GSS			=			
SEAARB2004SS062460	REG	Th-230	34.04	7.78	12.00	pCi/g	GSS			=			
SEAARB2004SS062460	REG	TH-232	0.53	0.09	0.14	pCi/g	GSS			=			
SEAARB2004SS062460	REG	U-235	0.12		0.53	pCi/g	GSS	U		U	T04, T05		
SEAARB2004SS062460	REG	U-238	2.53	0.66	1.24	pCi/g	GSS			=			
SEAARB2005SS062460	REG	Ac-227	-0.38		0.69	pCi/g	GSS	U		UJ	T04, T06		
SEAARB2005SS062460	REG	Am-241	-0.12		0.15	pCi/g	GSS	U		UJ	T04, T06		
SEAARB2005SS062460	REG	Cs-137	-0.07		0.10	pCi/g	GSS	U		UJ	T04, T06		
SEAARB2005SS062460	REG	K-40	11.98	1.68	1.34	pCi/g	GSS			=			
SEAARB2005SS062460	REG	Pa-231	2.07		2.42	pCi/g	GSS	U		U	T04, T05		
SEAARB2005SS062460	REG	Ra-226	0.60	0.06	0.09	pCi/g	GSS			=			
SEAARB2005SS062460	REG	RA-228	0.63	0.09	0.14	pCi/g	GSS			=			
SEAARB2005SS062460	REG	TH-228	0.63	0.09	0.14	pCi/g	GSS			=			
SEAARB2005SS062460	REG	Th-230	0.48		13.80	pCi/g	GSS	U		U	T04, T05		
SEAARB2005SS062460	REG	TH-232	0.63	0.09	0.14	pCi/g	GSS			=			
SEAARB2005SS062460	REG	U-235	0.24		0.39	pCi/g	GSS	U		U	T04, T05		
SEAARB2005SS062460	REG	U-238	1.05	0.47	0.83	pCi/g	GSS			=			
SEAARB2006SS060300	REG	Ac-227	0.51	0.13	0.29	pCi/g	GSS			=			
SEAARB2006SS060300	REG	Am-241	0.11		0.18	pCi/g	GSS	U		U	T04, T05		
SEAARB2006SS060300	REG	Cs-137	0.09		0.12	pCi/g	GSS	U		U	T04, T05		
SEAARB2006SS060300	REG	K-40	9.90	1.51	1.37	pCi/g	GSS			=			
SEAARB2006SS060300	REG	Pa-231	1.58		2.76	pCi/g	GSS	U		U	T04, T05		
SEAARB2006SS060300	REG	Ra-226	1.20	0.09	0.09	pCi/g	GSS			=			
SEAARB2006SS060300	REG	RA-228	0.75	0.10	0.13	pCi/g	GSS			=			
SEAARB2006SS060300	REG	TH-228	0.75	0.10	0.13	pCi/g	GSS			=			
SEAARB2006SS060300	REG	Th-230	14.82	5.22	10.60	pCi/g	GSS			=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARB2006SS060300	REG	TH-232	0.75	0.10	0.13	pCi/g	GSS		=			
SEAARB2006SS060300	REG	U-235	0.60		0.49	pCi/g	GSS	U	U	T04		
SEAARB2006SS060300	REG	U-238	2.13	0.58	1.09	pCi/g	GSS		=			
SEAARB2007SS060120	REG	Ac-227	0.06		0.83	pCi/g	GSS	U	U	T04, T05		
SEAARB2007SS060120	REG	Am-241	0.05		0.18	pCi/g	GSS	U	U	T04, T05		
SEAARB2007SS060120	REG	Cs-137	0.04		0.12	pCi/g	GSS	U	U	T04, T05		
SEAARB2007SS060120	REG	K-40	17.54	2.17	1.44	pCi/g	GSS		=			
SEAARB2007SS060120	REG	Pa-231	0.84		2.53	pCi/g	GSS	U	U	T04, T05		
SEAARB2007SS060120	REG	Ra-226	0.70	0.07	0.10	pCi/g	GSS		=			
SEAARB2007SS060120	REG	RA-228	0.91	0.11	0.16	pCi/g	GSS		=			
SEAARB2007SS060120	REG	TH-228	0.91	0.11	0.16	pCi/g	GSS		=			
SEAARB2007SS060120	REG	Th-230	-2.95		16.40	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2007SS060120	REG	TH-232	0.91	0.11	0.16	pCi/g	GSS		=			
SEAARB2007SS060120	REG	U-235	0.40		0.44	pCi/g	GSS	U	U	T04, T05		
SEAARB2007SS060120	REG	U-238	0.72	0.45	0.99	pCi/g	GSS	U	U	T05		
SEAARB2008SS068640	REG	Ac-227	-0.37		0.70	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2008SS068640	REG	Am-241	-0.04		0.15	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2008SS068640	REG	Cs-137	0.00		0.11	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2008SS068640	REG	K-40	12.94	1.82	1.34	pCi/g	GSS		=			
SEAARB2008SS068640	REG	Pa-231	1.44		2.37	pCi/g	GSS	U	U	T04, T05		
SEAARB2008SS068640	REG	Ra-226	0.57	0.06	0.09	pCi/g	GSS		=			
SEAARB2008SS068640	REG	RA-228	0.75	0.10	0.14	pCi/g	GSS		=			
SEAARB2008SS068640	REG	TH-228	0.75	0.10	0.14	pCi/g	GSS		=			
SEAARB2008SS068640	REG	Th-230	2.20		14.80	pCi/g	GSS	U	U	T04, T05		
SEAARB2008SS068640	REG	TH-232	0.75	0.10	0.14	pCi/g	GSS		=			
SEAARB2008SS068640	REG	U-235	-0.02		0.40	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2008SS068640	REG	U-238	-0.39		1.52	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2010SS061680	REG	Ac-227	0.13		0.74	pCi/g	GSS	U	U	T04, T05		
SEAARB2010SS061680	REG	Am-241	0.10		0.18	pCi/g	GSS	U	U	T04, T05		
SEAARB2010SS061680	REG	Cs-137	0.04		0.11	pCi/g	GSS	U	U	T04, T05		
SEAARB2010SS061680	REG	K-40	11.65	1.63	1.38	pCi/g	GSS		=			
SEAARB2010SS061680	REG	Pa-231	3.65		2.81	pCi/g	GSS	U	U	T04		
SEAARB2010SS061680	REG	Ra-226	1.04	0.08	0.09	pCi/g	GSS		=			
SEAARB2010SS061680	REG	RA-228	0.70	0.10	0.15	pCi/g	GSS		=			
SEAARB2010SS061680	REG	TH-228	0.70	0.10	0.15	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARB2010SS061680	REG	Th-230	10.14	4.89	10.50	pCi/g	GSS	U	U	T05		
SEAARB2010SS061680	REG	TH-232	0.70	0.10	0.15	pCi/g	GSS		=			
SEAARB2010SS061680	REG	U-235	0.08		0.46	pCi/g	GSS	U	U	T04, T05		
SEAARB2010SS061680	REG	U-238	1.43	0.52	1.09	pCi/g	GSS		=			
SEAARB2010SS062340	REG	Ac-227	-0.37		0.67	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2010SS062340	REG	Am-241	0.01		0.15	pCi/g	GSS	U	U	T04, T05		
SEAARB2010SS062340	REG	Cs-137	0.11	0.04	0.05	pCi/g	GSS		=			
SEAARB2010SS062340	REG	K-40	10.36	1.62	1.21	pCi/g	GSS		=			
SEAARB2010SS062340	REG	Pa-231	0.98		2.27	pCi/g	GSS	U	U	T04, T05		
SEAARB2010SS062340	REG	Ra-226	0.71	0.06	0.08	pCi/g	GSS		=			
SEAARB2010SS062340	REG	RA-228	0.67	0.09	0.13	pCi/g	GSS		=			
SEAARB2010SS062340	REG	TH-228	0.67	0.09	0.13	pCi/g	GSS		=			
SEAARB2010SS062340	REG	Th-230	0.64		13.60	pCi/g	GSS	U	U	T04, T05		
SEAARB2010SS062340	REG	TH-232	0.67	0.09	0.13	pCi/g	GSS		=			
SEAARB2010SS062340	REG	U-235	-0.01		0.36	pCi/g	GSS	U	UJ	T04, T06		
SEAARB2010SS062340	REG	U-238	0.88	0.40	0.87	pCi/g	GSS		=			
SEAARC1001SS060320	REG	Ac-227	3.56	0.38	0.48	pCi/g	GSS		=			
SEAARC1001SS060320	REG	Am-241	-0.15		0.34	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1001SS060320	REG	Cs-137	0.09		0.16	pCi/g	GSS	U	U	T04, T05		
SEAARC1001SS060320	REG	K-40	6.47	1.67	2.06	pCi/g	GSS		=			
SEAARC1001SS060320	REG	Pa-231	2.80	1.08	2.38	pCi/g	GSS		=			
SEAARC1001SS060320	REG	Ra-226	2.57	0.18	0.15	pCi/g	GSS		=			
SEAARC1001SS060320	REG	RA-228	0.83	0.13	0.23	pCi/g	GSS		=			
SEAARC1001SS060320	REG	TH-228	0.83	0.13	0.23	pCi/g	GSS		=			
SEAARC1001SS060320	REG	Th-230	96.36	14.91	21.60	pCi/g	GSS		=			
SEAARC1001SS060320	REG	TH-232	0.83	0.13	0.23	pCi/g	GSS		=			
SEAARC1001SS060320	REG	U-235	1.61	0.27	0.50	pCi/g	GSS		=			
SEAARC1001SS060320	REG	U-238	8.44	1.47	2.22	pCi/g	GSS		=			
SEAARC1001SS120960	REG	Ac-227	-0.02		0.62	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1001SS120960	REG	Am-241	-0.03		0.14	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1001SS120960	REG	Cs-137	-0.02		0.12	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1001SS120960	REG	K-40	2.13	1.17	1.72	pCi/g	GSS		=			
SEAARC1001SS120960	REG	Pa-231	0.22		2.50	pCi/g	GSS	U	U	T04, T05		
SEAARC1001SS120960	REG	Ra-226	0.50	0.06	0.09	pCi/g	GSS		=			
SEAARC1001SS120960	REG	RA-228	0.37	0.08	0.13	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC1001SS120960	REG	TH-228	0.37	0.08	0.13	pCi/g	GSS		=			
SEAARC1001SS120960	REG	Th-230	-4.86		13.40	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1001SS120960	REG	TH-232	0.37	0.08	0.13	pCi/g	GSS		=			
SEAARC1001SS120960	REG	U-235	-0.01		0.36	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1001SS120960	REG	U-238	0.62		1.49	pCi/g	GSS	U	U	T04, T05		
SEAARC1002SS061320	REG	Ac-227	3.38	0.37	0.46	pCi/g	GSS		=			
SEAARC1002SS061320	REG	Am-241	0.11		0.33	pCi/g	GSS	U	U	T04, T05		
SEAARC1002SS061320	REG	Cs-137	0.08		0.15	pCi/g	GSS	U	U	T04, T05		
SEAARC1002SS061320	REG	K-40	8.64	1.56	1.61	pCi/g	GSS		=			
SEAARC1002SS061320	REG	Pa-231	3.64	0.96	2.16	pCi/g	GSS		=			
SEAARC1002SS061320	REG	Ra-226	3.13	0.19	0.13	pCi/g	GSS		=			
SEAARC1002SS061320	REG	RA-228	0.82	0.12	0.19	pCi/g	GSS		=			
SEAARC1002SS061320	REG	TH-228	0.82	0.12	0.19	pCi/g	GSS		=			
SEAARC1002SS061320	REG	Th-230	80.00	17.95	19.60	pCi/g	GSS		=			
SEAARC1002SS061320	REG	TH-232	0.82	0.12	0.19	pCi/g	GSS		=			
SEAARC1002SS061320	REG	U-235	1.46	0.24	0.49	pCi/g	GSS		=			
SEAARC1002SS061320	REG	U-238	6.79	1.21	2.04	pCi/g	GSS		=			
SEAARC1003SS060960	REG	Ac-227	7.87	0.64	0.55	pCi/g	GSS		=			
SEAARC1003SS060960	REG	Am-241	0.09		0.41	pCi/g	GSS	U	U	T04, T05		
SEAARC1003SS060960	REG	Cs-137	0.13		0.16	pCi/g	GSS	U	U	T04, T05		
SEAARC1003SS060960	REG	K-40	13.25	1.70	1.41	pCi/g	GSS		=			
SEAARC1003SS060960	REG	Pa-231	7.97	1.81	2.62	pCi/g	GSS		=			
SEAARC1003SS060960	REG	Ra-226	5.32	0.27	0.14	pCi/g	GSS		=			
SEAARC1003SS060960	REG	RA-228	0.78	0.11	0.22	pCi/g	GSS		=			
SEAARC1003SS060960	REG	TH-228	0.78	0.11	0.22	pCi/g	GSS		=			
SEAARC1003SS060960	REG	Th-230	212.58	24.89	24.70	pCi/g	GSS		=			
SEAARC1003SS060960	REG	TH-232	0.78	0.11	0.22	pCi/g	GSS		=			
SEAARC1003SS060960	REG	U-235	2.44	0.29	0.60	pCi/g	GSS		=			
SEAARC1003SS060960	REG	U-238	17.55	2.02	2.56	pCi/g	GSS		=			
SEAARC1003SS061020	REG	Ac-227	1.91	0.32	0.48	pCi/g	GSS		=			
SEAARC1003SS061020	REG	Am-241	-0.28		0.35	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1003SS061020	REG	Cs-137	0.10		0.16	pCi/g	GSS	U	U	T04, T05		
SEAARC1003SS061020	REG	K-40	12.99	2.13	1.84	pCi/g	GSS		=			
SEAARC1003SS061020	REG	Pa-231	1.93		5.04	pCi/g	GSS	U	U	T04, T05		
SEAARC1003SS061020	REG	Ra-226	2.32	0.18	0.14	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC1003SS061020	REG	RA-228	0.75	0.13	0.21	pCi/g	GSS		=			
SEAARC1003SS061020	REG	TH-228	0.75	0.13	0.21	pCi/g	GSS		=			
SEAARC1003SS061020	REG	Th-230	50.98	11.41	20.60	pCi/g	GSS		=			
SEAARC1003SS061020	REG	TH-232	0.75	0.13	0.21	pCi/g	GSS		=			
SEAARC1003SS061020	REG	U-235	1.09	0.24	0.48	pCi/g	GSS		=			
SEAARC1003SS061020	REG	U-238	6.92	1.47	2.16	pCi/g	GSS		=			
SEAARC1003SS061680	REG	Ac-227	-0.10		0.48	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1003SS061680	REG	Am-241	0.00		0.11	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1003SS061680	REG	Cs-137	0.04		0.10	pCi/g	GSS	U	U	T04, T05		
SEAARC1003SS061680	REG	K-40	2.92	1.08	1.46	pCi/g	GSS		=			
SEAARC1003SS061680	REG	Pa-231	0.47		2.03	pCi/g	GSS	U	U	T04, T05		
SEAARC1003SS061680	REG	Ra-226	0.29	0.04	0.07	pCi/g	GSS		=			
SEAARC1003SS061680	REG	RA-228	0.24	0.06	0.13	pCi/g	GSS		=			
SEAARC1003SS061680	REG	TH-228	0.24	0.06	0.13	pCi/g	GSS		=			
SEAARC1003SS061680	REG	Th-230	-8.68		10.50	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1003SS061680	REG	TH-232	0.24	0.06	0.13	pCi/g	GSS		=			
SEAARC1003SS061680	REG	U-235	0.27		0.31	pCi/g	GSS	U	U	T04, T05		
SEAARC1003SS061680	REG	U-238	-0.03		1.18	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1003SS120800	REG	Ac-227	0.96	0.15	0.28	pCi/g	GSS		=			
SEAARC1003SS120800	REG	Am-241	-0.04		0.17	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1003SS120800	REG	Cs-137	0.06	0.03	0.04	pCi/g	GSS		=			
SEAARC1003SS120800	REG	K-40	8.58	1.34	1.25	pCi/g	GSS		=			
SEAARC1003SS120800	REG	Pa-231	0.94		2.86	pCi/g	GSS	U	U	T04, T05		
SEAARC1003SS120800	REG	Ra-226	1.23	0.09	0.09	pCi/g	GSS		=			
SEAARC1003SS120800	REG	RA-228	0.48	0.08	0.13	pCi/g	GSS		=			
SEAARC1003SS120800	REG	TH-228	0.48	0.08	0.13	pCi/g	GSS		=			
SEAARC1003SS120800	REG	Th-230	24.15	5.74	10.10	pCi/g	GSS		=			
SEAARC1003SS120800	REG	TH-232	0.48	0.08	0.13	pCi/g	GSS		=			
SEAARC1003SS120800	REG	U-235	0.77		0.51	pCi/g	GSS	U	U	T04		
SEAARC1003SS120800	REG	U-238	2.07	0.61	1.03	pCi/g	GSS		=			
SEAARC1003SS121320	REG	Ac-227	2.56	0.63	0.39	pCi/g	GSS		=			
SEAARC1003SS121320	REG	Am-241	0.00		0.29	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1003SS121320	REG	Cs-137	-0.05		0.13	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1003SS121320	REG	K-40	7.97	2.96	1.49	pCi/g	GSS		=			
SEAARC1003SS121320	REG	Pa-231	2.87	1.94	1.83	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC1003SS121320	REG	Ra-226	2.16	0.29	0.11	pCi/g	GSS		=			
SEAARC1003SS121320	REG	RA-228	0.53	0.20	0.16	pCi/g	GSS		=			
SEAARC1003SS121320	REG	TH-228	0.53	0.20	0.16	pCi/g	GSS		=			
SEAARC1003SS121320	REG	Th-230	82.53	23.74	16.90	pCi/g	GSS		=			
SEAARC1003SS121320	REG	TH-232	0.53	0.20	0.16	pCi/g	GSS		=			
SEAARC1003SS121320	REG	U-235	1.07		0.76	pCi/g	GSS	U	U	T04		
SEAARC1003SS121320	REG	U-238	6.97	2.72	1.75	pCi/g	GSS		=			
SEAARC1004SS120120	REG	Ac-227	-0.14		0.97	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS120120	REG	Am-241	-0.01		0.20	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS120120	REG	Cs-137	0.14	0.05	0.07	pCi/g	GSS		=			
SEAARC1004SS120120	REG	K-40	10.68	1.98	2.04	pCi/g	GSS		=			
SEAARC1004SS120120	REG	Pa-231	-1.09		2.99	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS120120	REG	Ra-226	0.95	0.09	0.12	pCi/g	GSS		=			
SEAARC1004SS120120	REG	RA-228	0.69	0.12	0.18	pCi/g	GSS		=			
SEAARC1004SS120120	REG	TH-228	0.69	0.12	0.18	pCi/g	GSS		=			
SEAARC1004SS120120	REG	Th-230	-8.85		19.40	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS120120	REG	TH-232	0.69	0.12	0.18	pCi/g	GSS		=			
SEAARC1004SS120120	REG	U-235	-0.01		0.53	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS120120	REG	U-238	1.67	0.64	1.15	pCi/g	GSS		=			
SEAARC1004SS242040	REG	Ac-227	-0.14		0.76	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS242040	REG	Am-241	0.10		0.17	pCi/g	GSS	U	U	T04, T05		
SEAARC1004SS242040	REG	Cs-137	0.07	0.04	0.06	pCi/g	GSS		=			
SEAARC1004SS242040	REG	K-40	5.49	1.50	1.86	pCi/g	GSS		=			
SEAARC1004SS242040	REG	Pa-231	1.89		2.65	pCi/g	GSS	U	U	T04, T05		
SEAARC1004SS242040	REG	Ra-226	0.52	0.07	0.09	pCi/g	GSS		=			
SEAARC1004SS242040	REG	RA-228	0.56	0.10	0.15	pCi/g	GSS		=			
SEAARC1004SS242040	REG	TH-228	0.56	0.10	0.15	pCi/g	GSS		=			
SEAARC1004SS242040	REG	Th-230	0.47		14.60	pCi/g	GSS	U	U	T04, T05		
SEAARC1004SS242040	REG	TH-232	0.56	0.10	0.15	pCi/g	GSS		=			
SEAARC1004SS242040	REG	U-235	-0.17		0.38	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS242040	REG	U-238	0.72	0.45	0.92	pCi/g	GSS	U	U	T05		
SEAARC1004SS242041	REG	Ac-227	-0.16		0.78	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS242041	REG	Am-241	0.02		0.17	pCi/g	GSS	U	U	T04, T05		
SEAARC1004SS242041	REG	Cs-137	0.09	0.04	0.06	pCi/g	GSS		=			
SEAARC1004SS242041	REG	K-40	5.50	1.57	1.95	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC1004SS242041	REG	Pa-231	-0.16		2.67	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS242041	REG	Ra-226	0.67	0.08	0.11	pCi/g	GSS		=			
SEAARC1004SS242041	REG	RA-228	0.53	0.10	0.14	pCi/g	GSS		=			
SEAARC1004SS242041	REG	TH-228	0.53	0.10	0.14	pCi/g	GSS		=			
SEAARC1004SS242041	REG	Th-230	1.05		16.30	pCi/g	GSS	U	U	T04, T05		
SEAARC1004SS242041	REG	TH-232	0.53	0.10	0.14	pCi/g	GSS		=			
SEAARC1004SS242041	REG	U-235	0.28		0.44	pCi/g	GSS	U	U	T04, T05		
SEAARC1004SS242041	REG	U-238	0.17		1.75	pCi/g	GSS	U	U	T04, T05		
SEAARC1004SS242400	REG	Ac-227	-0.11		0.43	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS242400	REG	Am-241	0.01		0.10	pCi/g	GSS	U	U	T04, T05		
SEAARC1004SS242400	REG	Cs-137	0.09	0.02	0.03	pCi/g	GSS		=			
SEAARC1004SS242400	REG	K-40	5.40	0.92	1.01	pCi/g	GSS		=			
SEAARC1004SS242400	REG	Pa-231	1.48		1.54	pCi/g	GSS	U	U	T04, T05		
SEAARC1004SS242400	REG	Ra-226	0.59	0.05	0.06	pCi/g	GSS		=			
SEAARC1004SS242400	REG	RA-228	0.44	0.06	0.10	pCi/g	GSS		=			
SEAARC1004SS242400	REG	TH-228	0.44	0.06	0.10	pCi/g	GSS		=			
SEAARC1004SS242400	REG	Th-230	1.37		9.02	pCi/g	GSS	U	U	T04, T05		
SEAARC1004SS242400	REG	TH-232	0.44	0.06	0.10	pCi/g	GSS		=			
SEAARC1004SS242400	REG	U-235	0.03		0.24	pCi/g	GSS	U	U	T04, T05		
SEAARC1004SS242400	REG	U-238	0.48		1.00	pCi/g	GSS	U	U	T04, T05		
SEAARC1004SS242401	REG	Ac-227	-0.16		0.71	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS242401	REG	Am-241	0.06		0.16	pCi/g	GSS	U	U	T04, T05		
SEAARC1004SS242401	REG	Cs-137	0.11	0.04	0.05	pCi/g	GSS		=			
SEAARC1004SS242401	REG	K-40	5.53	1.31	1.50	pCi/g	GSS		=			
SEAARC1004SS242401	REG	Pa-231	-0.33		2.46	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS242401	REG	Ra-226	0.65	0.07	0.09	pCi/g	GSS		=			
SEAARC1004SS242401	REG	RA-228	0.50	0.09	0.13	pCi/g	GSS		=			
SEAARC1004SS242401	REG	TH-228	0.50	0.09	0.13	pCi/g	GSS		=			
SEAARC1004SS242401	REG	Th-230	-9.45		14.30	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS242401	REG	TH-232	0.50	0.09	0.13	pCi/g	GSS		=			
SEAARC1004SS242401	REG	U-235	0.00		0.40	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1004SS242401	REG	U-238	1.33	0.50	0.88	pCi/g	GSS		=			
SEAARC1005SS064020	REG	Ac-227	1.70	0.20	0.38	pCi/g	GSS		=			
SEAARC1005SS064020	REG	Am-241	0.07		0.24	pCi/g	GSS	U	U	T04, T05		
SEAARC1005SS064020	REG	Cs-137	0.11	0.04	0.07	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC1005SS064020	REG	K-40	11.95	1.74	1.48	pCi/g	GSS		=			
SEAARC1005SS064020	REG	Pa-231	1.41	0.89	1.99	pCi/g	GSS	U	U	T05		
SEAARC1005SS064020	REG	Ra-226	2.04	0.13	0.13	pCi/g	GSS		=			
SEAARC1005SS064020	REG	RA-228	1.02	0.12	0.19	pCi/g	GSS		=			
SEAARC1005SS064020	REG	TH-228	1.02	0.12	0.19	pCi/g	GSS		=			
SEAARC1005SS064020	REG	Th-230	40.20	10.12	14.30	pCi/g	GSS		=			
SEAARC1005SS064020	REG	TH-232	1.02	0.12	0.19	pCi/g	GSS		=			
SEAARC1005SS064020	REG	U-235	0.96		0.66	pCi/g	GSS	U	U	T04		
SEAARC1005SS064020	REG	U-238	4.59	0.89	1.49	pCi/g	GSS		=			
SEAARC1005SS064140	DUP	Ac-227	0.03		0.70	pCi/g	GSS	U	U	T04, T05	NC	NC
SEAARC1005SS064140	DUP	Am-241	-0.03		0.15	pCi/g	GSS	U	UJ	T04, T06	NC	NC
SEAARC1005SS064140	DUP	Cs-137	0.08	0.03	0.05	pCi/g	GSS		=			8.2% OK
SEAARC1005SS064140	DUP	K-40	13.36	1.77	1.35	pCi/g	GSS		=			12.5% OK
SEAARC1005SS064140	DUP	Pa-231	2.34		2.41	pCi/g	GSS	U	U	T04, T05	NC	NC
SEAARC1005SS064140	DUP	Ra-226	0.66	0.06	0.09	pCi/g	GSS		=			7.7% OK
SEAARC1005SS064140	DUP	RA-228	0.73	0.10	0.14	pCi/g	GSS		=			3.6% OK
SEAARC1005SS064140	DUP	TH-228	0.73	0.10	0.14	pCi/g	GSS		=			3.6% OK
SEAARC1005SS064140	DUP	Th-230	-17.13		14.30	pCi/g	GSS	U	UJ	T04, T06	NC	NC
SEAARC1005SS064140	DUP	TH-232	0.73	0.10	0.14	pCi/g	GSS		=			3.6% OK
SEAARC1005SS064140	DUP	U-235	0.14		0.39	pCi/g	GSS	U	U	T04, T05	NC	NC
SEAARC1005SS064140	DUP	U-238	0.88	0.43	0.90	pCi/g	GSS	U	U	T05		23.9% OK
SEAARC1005SS064140	REG	Ac-227	-0.32		0.71	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1005SS064140	REG	Am-241	-0.01		0.16	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1005SS064140	REG	Cs-137	0.07	0.03	0.06	pCi/g	GSS		=			
SEAARC1005SS064140	REG	K-40	11.78	1.63	1.25	pCi/g	GSS		=			
SEAARC1005SS064140	REG	Pa-231	1.09		2.41	pCi/g	GSS	U	U	T04, T05		
SEAARC1005SS064140	REG	Ra-226	0.61	0.06	0.09	pCi/g	GSS		=			
SEAARC1005SS064140	REG	RA-228	0.71	0.09	0.15	pCi/g	GSS		=			
SEAARC1005SS064140	REG	TH-228	0.71	0.09	0.15	pCi/g	GSS		=			
SEAARC1005SS064140	REG	Th-230	-1.20		14.30	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1005SS064140	REG	TH-232	0.71	0.09	0.15	pCi/g	GSS		=			
SEAARC1005SS064140	REG	U-235	0.19		0.40	pCi/g	GSS	U	U	T04, T05		
SEAARC1005SS064140	REG	U-238	1.12	0.44	0.90	pCi/g	GSS		=			
SEAARC1006SS067500	REG	Ac-227	4.08	0.34	0.47	pCi/g	GSS		=			
SEAARC1006SS067500	REG	Am-241	-0.18		0.31	pCi/g	GSS	U	UJ	T04, T06		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC1006SS067500	REG	Cs-137	0.13		0.14	pCi/g	GSS	U	U	T04, T05		
SEAARC1006SS067500	REG	K-40	8.35	1.46	1.54	pCi/g	GSS		=			
SEAARC1006SS067500	REG	Pa-231	3.80	0.94	2.10	pCi/g	GSS		=			
SEAARC1006SS067500	REG	Ra-226	4.73	0.25	0.13	pCi/g	GSS		=			
SEAARC1006SS067500	REG	RA-228	0.62	0.10	0.20	pCi/g	GSS		=			
SEAARC1006SS067500	REG	TH-228	0.62	0.10	0.20	pCi/g	GSS		=			
SEAARC1006SS067500	REG	Th-230	108.52	15.30	19.00	pCi/g	GSS		=			
SEAARC1006SS067500	REG	TH-232	0.62	0.10	0.20	pCi/g	GSS		=			
SEAARC1006SS067500	REG	U-235	1.57		0.87	pCi/g	GSS	U	U	T04		
SEAARC1006SS067500	REG	U-238	8.15	1.38	1.96	pCi/g	GSS		=			
SEAARC1006SS067560	REG	Ac-227	3.31	0.30	0.42	pCi/g	GSS		=			
SEAARC1006SS067560	REG	Am-241	0.10		0.28	pCi/g	GSS	U	U	T04, T05		
SEAARC1006SS067560	REG	Cs-137	0.07		0.13	pCi/g	GSS	U	U	T04, T05		
SEAARC1006SS067560	REG	K-40	12.48	1.73	1.34	pCi/g	GSS		=			
SEAARC1006SS067560	REG	Pa-231	3.44	0.98	2.01	pCi/g	GSS		=			
SEAARC1006SS067560	REG	Ra-226	3.54	0.20	0.12	pCi/g	GSS		=			
SEAARC1006SS067560	REG	RA-228	0.79	0.10	0.18	pCi/g	GSS		=			
SEAARC1006SS067560	REG	TH-228	0.79	0.10	0.18	pCi/g	GSS		=			
SEAARC1006SS067560	REG	Th-230	74.95	10.98	16.50	pCi/g	GSS		=			
SEAARC1006SS067560	REG	TH-232	0.79	0.10	0.18	pCi/g	GSS		=			
SEAARC1006SS067560	REG	U-235	1.24	0.21	0.44	pCi/g	GSS		=			
SEAARC1006SS067560	REG	U-238	5.45	0.98	1.71	pCi/g	GSS		=			
SEAARC1006SS067680	DUP	Ac-227	-0.14		0.74	pCi/g	GSS	U			NC	NC
SEAARC1006SS067680	DUP	Am-241	-0.05		0.16	pCi/g	GSS	U			NC	NC
SEAARC1006SS067680	DUP	Cs-137	-0.07		0.10	pCi/g	GSS	U			NC	NC
SEAARC1006SS067680	DUP	K-40	17.61	2.40	1.31	pCi/g	GSS				14.9%	OK
SEAARC1006SS067680	DUP	Pa-231	-0.50		2.34	pCi/g	GSS	U			NC	NC
SEAARC1006SS067680	DUP	Ra-226	0.71	0.06	0.09	pCi/g	GSS				11.4%	OK
SEAARC1006SS067680	DUP	RA-228	0.79	0.10	0.15	pCi/g	GSS				3.9%	OK
SEAARC1006SS067680	DUP	TH-228	0.79	0.10	0.15	pCi/g	GSS				3.9%	OK
SEAARC1006SS067680	DUP	Th-230	1.75		15.40	pCi/g	GSS	U			NC	NC
SEAARC1006SS067680	DUP	TH-232	0.79	0.10	0.15	pCi/g	GSS				3.9%	OK
SEAARC1006SS067680	DUP	U-235	-0.24		0.40	pCi/g	GSS	U			NC	NC
SEAARC1006SS067680	DUP	U-238	0.78	0.53	0.94	pCi/g	GSS	U			NC	0.34
SEAARC1006SS067680	REG	Ac-227	0.11		0.70	pCi/g	GSS	U	U	T04, T05		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation	Qualifier	Reason Code	RPD	NAD
SEAARC1006SS067680	REG	Am-241	-0.01		0.15	pCi/g	GSS	U		UJ	T04, T06		
SEAARC1006SS067680	REG	Cs-137	0.01		0.10	pCi/g	GSS	U		U	T04, T05		
SEAARC1006SS067680	REG	K-40	15.17	1.92	1.29	pCi/g	GSS			=			
SEAARC1006SS067680	REG	Pa-231	1.30		2.23	pCi/g	GSS	U		U	T04, T05		
SEAARC1006SS067680	REG	Ra-226	0.63	0.06	0.09	pCi/g	GSS			=			
SEAARC1006SS067680	REG	RA-228	0.76	0.09	0.13	pCi/g	GSS			=			
SEAARC1006SS067680	REG	TH-228	0.76	0.09	0.13	pCi/g	GSS			=			
SEAARC1006SS067680	REG	Th-230	-1.95		14.80	pCi/g	GSS	U		UJ	T04, T06		
SEAARC1006SS067680	REG	TH-232	0.76	0.09	0.13	pCi/g	GSS			=			
SEAARC1006SS067680	REG	U-235	0.14		0.39	pCi/g	GSS	U		U	T04, T05		
SEAARC1006SS067680	REG	U-238	0.67	0.40	0.91	pCi/g	GSS	U		U	T05		
SEAARC1008SS060360	REG	Ac-227	10.55	0.68	0.48	pCi/g	GSS			=			
SEAARC1008SS060360	REG	Am-241	-0.11		0.34	pCi/g	GSS	U		UJ	T04, T06		
SEAARC1008SS060360	REG	Cs-137	0.22		0.14	pCi/g	GSS	U		U	T04		
SEAARC1008SS060360	REG	K-40	8.15	1.38	1.55	pCi/g	GSS			=			
SEAARC1008SS060360	REG	Pa-231	8.58	2.48	2.20	pCi/g	GSS			=			
SEAARC1008SS060360	REG	Ra-226	5.46	0.28	0.13	pCi/g	GSS			=			
SEAARC1008SS060360	REG	RA-228	0.75	0.10	0.20	pCi/g	GSS			=			
SEAARC1008SS060360	REG	TH-228	0.75	0.10	0.20	pCi/g	GSS			=			
SEAARC1008SS060360	REG	Th-230	234.64	26.88	20.80	pCi/g	GSS			=			
SEAARC1008SS060360	REG	TH-232	0.75	0.10	0.20	pCi/g	GSS			=			
SEAARC1008SS060360	REG	U-235	2.10	0.27	0.51	pCi/g	GSS			=			
SEAARC1008SS060360	REG	U-238	17.82	2.12	2.15	pCi/g	GSS			=			
SEAARC1008SS060420	REG	Ac-227	1.05	0.17	0.33	pCi/g	GSS			=			
SEAARC1008SS060420	REG	Am-241	0.10		0.21	pCi/g	GSS	U		U	T04, T05		
SEAARC1008SS060420	REG	Cs-137	0.12		0.13	pCi/g	GSS	U		U	T04, T05		
SEAARC1008SS060420	REG	K-40	10.04	1.63	1.53	pCi/g	GSS			=			
SEAARC1008SS060420	REG	Pa-231	1.22	0.77	1.61	pCi/g	GSS	U		U	T05		
SEAARC1008SS060420	REG	Ra-226	1.35	0.10	0.11	pCi/g	GSS			=			
SEAARC1008SS060420	REG	RA-228	0.84	0.11	0.17	pCi/g	GSS			=			
SEAARC1008SS060420	REG	TH-228	0.84	0.11	0.17	pCi/g	GSS			=			
SEAARC1008SS060420	REG	Th-230	13.81	6.02	12.60	pCi/g	GSS			=			
SEAARC1008SS060420	REG	TH-232	0.84	0.11	0.17	pCi/g	GSS			=			
SEAARC1008SS060420	REG	U-235	0.43		0.57	pCi/g	GSS	U		U	T04, T05		
SEAARC1008SS060420	REG	U-238	2.88	0.73	1.29	pCi/g	GSS			=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC1008SS060760	REG	Ac-227	-0.17		0.85	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1008SS060760	REG	Am-241	-0.02		0.17	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1008SS060760	REG	Cs-137	0.07	0.04	0.06	pCi/g	GSS		=			
SEAARC1008SS060760	REG	K-40	12.70	1.85	1.59	pCi/g	GSS		=			
SEAARC1008SS060760	REG	Pa-231	2.26		2.76	pCi/g	GSS	U	U	T04, T05		
SEAARC1008SS060760	REG	Ra-226	0.71	0.07	0.10	pCi/g	GSS		=			
SEAARC1008SS060760	REG	RA-228	0.87	0.11	0.15	pCi/g	GSS		=			
SEAARC1008SS060760	REG	TH-228	0.87	0.11	0.15	pCi/g	GSS		=			
SEAARC1008SS060760	REG	Th-230	-8.58		16.90	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1008SS060760	REG	TH-232	0.87	0.11	0.15	pCi/g	GSS		=			
SEAARC1008SS060760	REG	U-235	0.49		0.47	pCi/g	GSS	U	U	T04		
SEAARC1008SS060760	REG	U-238	0.91	0.49	1.02	pCi/g	GSS	U	U	T05		
SEAARC1008SS120320	DUP	Ac-227	10.50	0.78	0.58	pCi/g	GSS				7.4%	OK
SEAARC1008SS120320	DUP	Am-241	-0.09		0.44	pCi/g	GSS	U			NC	NC
SEAARC1008SS120320	DUP	Cs-137	0.06	0.05	0.08	pCi/g	GSS	U			NC	0.90
SEAARC1008SS120320	DUP	K-40	9.76	1.62	1.70	pCi/g	GSS				18.1%	OK
SEAARC1008SS120320	DUP	Pa-231	9.02	2.43	2.71	pCi/g	GSS				8.0%	OK
SEAARC1008SS120320	DUP	Ra-226	5.50	0.31	0.15	pCi/g	GSS				4.1%	OK
SEAARC1008SS120320	DUP	RA-228	0.80	0.12	0.22	pCi/g	GSS				14.9%	OK
SEAARC1008SS120320	DUP	TH-228	0.80	0.12	0.22	pCi/g	GSS				14.9%	OK
SEAARC1008SS120320	DUP	Th-230	243.65	29.98	26.50	pCi/g	GSS				4.2%	OK
SEAARC1008SS120320	DUP	TH-232	0.80	0.12	0.22	pCi/g	GSS				14.9%	OK
SEAARC1008SS120320	DUP	U-235	2.88	0.39	0.65	pCi/g	GSS				5.4%	OK
SEAARC1008SS120320	DUP	U-238	13.42	1.94	2.72	pCi/g	GSS				9.9%	OK
SEAARC1008SS120320	REG	Ac-227	9.75	0.73	0.68	pCi/g	GSS		=			
SEAARC1008SS120320	REG	Am-241	0.04		0.52	pCi/g	GSS	U	U	T04, T05		
SEAARC1008SS120320	REG	Cs-137	0.08		0.20	pCi/g	GSS	U	U	T04, T05		
SEAARC1008SS120320	REG	K-40	8.14	1.80	1.95	pCi/g	GSS		=			
SEAARC1008SS120320	REG	Pa-231	9.78	2.10	3.28	pCi/g	GSS		=			
SEAARC1008SS120320	REG	Ra-226	5.27	0.34	0.17	pCi/g	GSS		=			
SEAARC1008SS120320	REG	RA-228	0.69	0.13	0.26	pCi/g	GSS		=			
SEAARC1008SS120320	REG	TH-228	0.69	0.13	0.26	pCi/g	GSS		=			
SEAARC1008SS120320	REG	Th-230	233.67	28.00	31.60	pCi/g	GSS		=			
SEAARC1008SS120320	REG	TH-232	0.69	0.13	0.26	pCi/g	GSS		=			
SEAARC1008SS120320	REG	U-235	3.04	0.42	0.78	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC1008SS120320	REG	U-238	14.82	2.48	3.26	pCi/g	GSS		=			
SEAARC1008SS120540	REG	Ac-227	-0.10		0.72	pCi/g	GSS	U	UJ	T04, T06		
SEAARC1008SS120540	REG	Am-241	0.08		0.17	pCi/g	GSS	U	U	T04, T05		
SEAARC1008SS120540	REG	Cs-137	0.00		0.11	pCi/g	GSS	U	U	T04		
SEAARC1008SS120540	REG	K-40	5.89	1.37	1.59	pCi/g	GSS		=			
SEAARC1008SS120540	REG	Pa-231	1.76		2.42	pCi/g	GSS	U	U	T04, T05		
SEAARC1008SS120540	REG	Ra-226	0.62	0.07	0.10	pCi/g	GSS		=			
SEAARC1008SS120540	REG	RA-228	0.61	0.10	0.14	pCi/g	GSS		=			
SEAARC1008SS120540	REG	TH-228	0.61	0.10	0.14	pCi/g	GSS		=			
SEAARC1008SS120540	REG	Th-230	6.79		16.40	pCi/g	GSS	U	U	T04, T05		
SEAARC1008SS120540	REG	TH-232	0.61	0.10	0.14	pCi/g	GSS		=			
SEAARC1008SS120540	REG	U-235	0.27		0.42	pCi/g	GSS	U	U	T04, T05		
SEAARC1008SS120540	REG	U-238	2.56	0.62	0.98	pCi/g	GSS		=			
SEAARC2001SS062460	REG	Ac-227	0.98	0.14	0.28	pCi/g	GSS		=			
SEAARC2001SS062460	REG	Am-241	0.01		0.18	pCi/g	GSS	U	U	T04, T05		
SEAARC2001SS062460	REG	Cs-137	0.06	0.03	0.05	pCi/g	GSS		=			
SEAARC2001SS062460	REG	K-40	6.89	1.30	1.36	pCi/g	GSS		=			
SEAARC2001SS062460	REG	Pa-231	0.27		2.85	pCi/g	GSS	U	U	T04, T05		
SEAARC2001SS062460	REG	Ra-226	1.02	0.08	0.09	pCi/g	GSS		=			
SEAARC2001SS062460	REG	RA-228	0.55	0.08	0.13	pCi/g	GSS		=			
SEAARC2001SS062460	REG	TH-228	0.55	0.08	0.13	pCi/g	GSS		=			
SEAARC2001SS062460	REG	Th-230	25.53	6.20	10.90	pCi/g	GSS		=			
SEAARC2001SS062460	REG	TH-232	0.55	0.08	0.13	pCi/g	GSS		=			
SEAARC2001SS062460	REG	U-235	0.51		0.51	pCi/g	GSS	*	J	J01		
SEAARC2001SS062460	REG	U-238	2.81	0.63	1.12	pCi/g	GSS	*	J	J01		
SEAARC2002SS063360	REG	Ac-227	4.77	0.38	0.50	pCi/g	GSS		=			
SEAARC2002SS063360	REG	Am-241	-0.27		0.39	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2002SS063360	REG	Cs-137	0.19		0.16	pCi/g	GSS		=			
SEAARC2002SS063360	REG	K-40	4.68	1.41	1.84	pCi/g	GSS		=			
SEAARC2002SS063360	REG	Pa-231	4.72	1.23	2.54	pCi/g	GSS		=			
SEAARC2002SS063360	REG	Ra-226	4.11	0.24	0.13	pCi/g	GSS		=			
SEAARC2002SS063360	REG	RA-228	0.50	0.11	0.20	pCi/g	GSS		=			
SEAARC2002SS063360	REG	TH-228	0.50	0.11	0.20	pCi/g	GSS		=			
SEAARC2002SS063360	REG	Th-230	164.95	21.53	22.70	pCi/g	GSS		=			
SEAARC2002SS063360	REG	TH-232	0.50	0.11	0.20	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2002SS063360	REG	U-235	2.43		1.03	pCi/g	GSS	*	J	J01		
SEAARC2002SS063360	REG	U-238	11.21	1.68	2.36	pCi/g	GSS	*	J	J01		
SEAARC2002SS063440	REG	Ac-227	9.59	0.61	0.57	pCi/g	GSS		=			
SEAARC2002SS063440	REG	Am-241	0.07		0.45	pCi/g	GSS	U	U	T04, T05		
SEAARC2002SS063440	REG	Cs-137	0.05		0.15	pCi/g	GSS	U	U	T04, T05		
SEAARC2002SS063440	REG	K-40	7.43	1.40	1.58	pCi/g	GSS		=			
SEAARC2002SS063440	REG	Pa-231	10.18	1.71	2.55	pCi/g	GSS		=			
SEAARC2002SS063440	REG	Ra-226	5.71	0.30	0.14	pCi/g	GSS		=			
SEAARC2002SS063440	REG	RA-228	0.66	0.11	0.21	pCi/g	GSS		=			
SEAARC2002SS063440	REG	TH-228	0.66	0.11	0.21	pCi/g	GSS		=			
SEAARC2002SS063440	REG	Th-230	282.43	30.66	26.90	pCi/g	GSS		=			
SEAARC2002SS063440	REG	TH-232	0.66	0.11	0.21	pCi/g	GSS		=			
SEAARC2002SS063440	REG	U-235	3.07	0.37	0.63	pCi/g	GSS	*	J	J01		
SEAARC2002SS063440	REG	U-238	20.61	2.19	2.77	pCi/g	GSS	*	J	J01		
SEAARC2002SS063500	REG	Ac-227	4.96	0.37	0.42	pCi/g	GSS		=			
SEAARC2002SS063500	REG	Am-241	-0.05		0.31	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2002SS063500	REG	Cs-137	0.19		0.13	pCi/g	GSS		=			
SEAARC2002SS063500	REG	K-40	8.79	1.39	1.37	pCi/g	GSS		=			
SEAARC2002SS063500	REG	Pa-231	5.15	1.21	2.04	pCi/g	GSS		=			
SEAARC2002SS063500	REG	Ra-226	3.49	0.20	0.12	pCi/g	GSS		=			
SEAARC2002SS063500	REG	RA-228	0.62	0.09	0.17	pCi/g	GSS		=			
SEAARC2002SS063500	REG	TH-228	0.62	0.09	0.17	pCi/g	GSS		=			
SEAARC2002SS063500	REG	Th-230	135.91	20.17	19.30	pCi/g	GSS		=			
SEAARC2002SS063500	REG	TH-232	0.62	0.09	0.17	pCi/g	GSS		=			
SEAARC2002SS063500	REG	U-235	1.71	0.25	0.48	pCi/g	GSS	*	J	J01		
SEAARC2002SS063500	REG	U-238	9.38	1.47	2.00	pCi/g	GSS	*	J	J01		
SEAARC2003SS061380	REG	Ac-227	-0.10		0.59	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2003SS061380	REG	Am-241	0.04		0.13	pCi/g	GSS	U	U	T04, T05		
SEAARC2003SS061380	REG	Cs-137	0.10		0.10	pCi/g	GSS	U	U	T04, T05		
SEAARC2003SS061380	REG	K-40	7.73	1.25	1.20	pCi/g	GSS		=			
SEAARC2003SS061380	REG	Pa-231	1.00		2.13	pCi/g	GSS	U	U	T04, T05		
SEAARC2003SS061380	REG	Ra-226	0.59	0.06	0.07	pCi/g	GSS		=			
SEAARC2003SS061380	REG	RA-228	0.50	0.08	0.11	pCi/g	GSS		=			
SEAARC2003SS061380	REG	TH-228	0.50	0.08	0.11	pCi/g	GSS		=			
SEAARC2003SS061380	REG	Th-230	2.36		12.60	pCi/g	GSS	U	U	T04, T05		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2003SS061380	REG	TH-232	0.50	0.08	0.11	pCi/g	GSS		=			
SEAARC2003SS061380	REG	U-235	-0.13		0.33	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2003SS061380	REG	U-238	0.84	0.37	0.79	pCi/g	GSS		=			
SEAARC2003SS062520	REG	Ac-227	2.24	0.23	0.36	pCi/g	GSS		=			
SEAARC2003SS062520	REG	Am-241	0.07		0.26	pCi/g	GSS	U	U	T04, T05		
SEAARC2003SS062520	REG	Cs-137	0.07		0.13	pCi/g	GSS	U	U	T04, T05		
SEAARC2003SS062520	REG	K-40	16.87	2.01	1.33	pCi/g	GSS		=			
SEAARC2003SS062520	REG	Pa-231	2.60	0.78	1.86	pCi/g	GSS		=			
SEAARC2003SS062520	REG	Ra-226	2.55	0.16	0.12	pCi/g	GSS		=			
SEAARC2003SS062520	REG	RA-228	0.96	0.11	0.17	pCi/g	GSS		=			
SEAARC2003SS062520	REG	TH-228	0.96	0.11	0.17	pCi/g	GSS		=			
SEAARC2003SS062520	REG	Th-230	50.38	13.43	15.30	pCi/g	GSS		=			
SEAARC2003SS062520	REG	TH-232	0.96	0.11	0.17	pCi/g	GSS		=			
SEAARC2003SS062520	REG	U-235	1.19		0.70	pCi/g	GSS	U	U	T04		
SEAARC2003SS062520	REG	U-238	4.66	0.93	1.58	pCi/g	GSS		=			
SEAARC2003SS063540	REG	Ac-227	0.32	0.10	0.22	pCi/g	GSS		=			
SEAARC2003SS063540	REG	Am-241	-0.05		0.13	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2003SS063540	REG	Cs-137	0.03		0.09	pCi/g	GSS	U	U	T04, T05		
SEAARC2003SS063540	REG	K-40	5.84	1.25	1.29	pCi/g	GSS		=			
SEAARC2003SS063540	REG	Pa-231	0.42		2.19	pCi/g	GSS	U	U	T04, T05		
SEAARC2003SS063540	REG	Ra-226	0.69	0.06	0.08	pCi/g	GSS		=			
SEAARC2003SS063540	REG	RA-228	0.43	0.07	0.12	pCi/g	GSS		=			
SEAARC2003SS063540	REG	TH-228	0.43	0.07	0.12	pCi/g	GSS		=			
SEAARC2003SS063540	REG	Th-230	9.25	3.87	7.49	pCi/g	GSS		=			
SEAARC2003SS063540	REG	TH-232	0.43	0.07	0.12	pCi/g	GSS		=			
SEAARC2003SS063540	REG	U-235	0.58		0.38	pCi/g	GSS	U	U	T04		
SEAARC2003SS063540	REG	U-238	1.16	0.58	0.78	pCi/g	GSS		=			
SEAARC2003SS063840	REG	Ac-227	0.54	0.10	0.20	pCi/g	GSS		=			
SEAARC2003SS063840	REG	Am-241	-0.03		0.13	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2003SS063840	REG	Cs-137	0.04	0.02	0.04	pCi/g	GSS	U	U	T05		
SEAARC2003SS063840	REG	K-40	9.15	1.32	1.02	pCi/g	GSS		=			
SEAARC2003SS063840	REG	Pa-231	0.70		1.98	pCi/g	GSS	U	U	T04, T05		
SEAARC2003SS063840	REG	Ra-226	1.30	0.08	0.07	pCi/g	GSS		=			
SEAARC2003SS063840	REG	RA-228	0.69	0.07	0.10	pCi/g	GSS		=			
SEAARC2003SS063840	REG	TH-228	0.69	0.07	0.10	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2003SS063840	REG	Th-230	14.88	3.95	7.61	pCi/g	GSS		=			
SEAARC2003SS063840	REG	TH-232	0.69	0.07	0.10	pCi/g	GSS		=			
SEAARC2003SS063840	REG	U-235	0.53		0.34	pCi/g	GSS	U	U	T04		
SEAARC2003SS063840	REG	U-238	1.71	0.44	0.79	pCi/g	GSS		=			
SEAARC2003SS064140	REG	Ac-227	-0.15		0.71	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2003SS064140	REG	Am-241	-0.03		0.14	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2003SS064140	REG	Cs-137	0.02		0.11	pCi/g	GSS	U	U	T04, T05		
SEAARC2003SS064140	REG	K-40	9.60	1.42	1.28	pCi/g	GSS		=			
SEAARC2003SS064140	REG	Pa-231	0.86		2.22	pCi/g	GSS	U	U	T04, T05		
SEAARC2003SS064140	REG	Ra-226	0.67	0.06	0.08	pCi/g	GSS		=			
SEAARC2003SS064140	REG	RA-228	0.82	0.10	0.13	pCi/g	GSS		=			
SEAARC2003SS064140	REG	TH-228	0.82	0.10	0.13	pCi/g	GSS		=			
SEAARC2003SS064140	REG	Th-230	-4.44		13.20	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2003SS064140	REG	TH-232	0.82	0.10	0.13	pCi/g	GSS		=			
SEAARC2003SS064140	REG	U-235	-0.08		0.36	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2003SS064140	REG	U-238	0.59	0.41	0.82	pCi/g	GSS	U	U	T05		
SEAARC2004SS060460	REG	Ac-227	1.03		0.83	pCi/g	GSS	U	U	T04		
SEAARC2004SS060460	REG	Am-241	0.03		0.16	pCi/g	GSS	U	U	T04, T05		
SEAARC2004SS060460	REG	Cs-137	0.06		0.11	pCi/g	GSS	U	U	T04, T05		
SEAARC2004SS060460	REG	K-40	21.45	2.48	1.24	pCi/g	GSS		=			
SEAARC2004SS060460	REG	Pa-231	-0.67		2.35	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2004SS060460	REG	Ra-226	0.77	0.07	0.09	pCi/g	GSS		=			
SEAARC2004SS060460	REG	RA-228	1.00	0.11	0.16	pCi/g	GSS		=			
SEAARC2004SS060460	REG	TH-228	1.00	0.11	0.16	pCi/g	GSS		=			
SEAARC2004SS060460	REG	Th-230	-3.18		15.50	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2004SS060460	REG	TH-232	1.00	0.11	0.16	pCi/g	GSS		=			
SEAARC2004SS060460	REG	U-235	0.09		0.43	pCi/g	GSS	U*	U	T04, T05		
SEAARC2004SS060460	REG	U-238	0.92	0.46	0.97	pCi/g	GSS	U*	U			
SEAARC2004SS062460	REG	Ac-227	-0.22		0.70	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2004SS062460	REG	Am-241	-0.02		0.15	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2004SS062460	REG	Cs-137	0.07		0.11	pCi/g	GSS	U	U	T04, T05		
SEAARC2004SS062460	REG	K-40	8.63	1.47	1.46	pCi/g	GSS		=			
SEAARC2004SS062460	REG	Pa-231	-0.60		2.31	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2004SS062460	REG	Ra-226	0.64	0.06	0.09	pCi/g	GSS		=			
SEAARC2004SS062460	REG	RA-228	0.59	0.09	0.13	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2004SS062460	REG	TH-228	0.59	0.09	0.13	pCi/g	GSS		=			
SEAARC2004SS062460	REG	Th-230	-2.97		14.80	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2004SS062460	REG	TH-232	0.59	0.09	0.13	pCi/g	GSS		=			
SEAARC2004SS062460	REG	U-235	0.28		0.40	pCi/g	GSS	U*	U	T04, T05		
SEAARC2004SS062460	REG	U-238	0.66	0.42	0.87	pCi/g	GSS	U*	U			
SEAARC2004SS062640	REG	Ac-227	1.51	0.15	0.22	pCi/g	GSS		=			
SEAARC2004SS062640	REG	Am-241	-0.02		0.15	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2004SS062640	REG	Cs-137	0.03	0.02	0.04	pCi/g	GSS	U	U	T05		
SEAARC2004SS062640	REG	K-40	12.65	1.49	0.93	pCi/g	GSS		=			
SEAARC2004SS062640	REG	Pa-231	1.58	0.48	1.12	pCi/g	GSS		=			
SEAARC2004SS062640	REG	Ra-226	1.69	0.10	0.07	pCi/g	GSS		=			
SEAARC2004SS062640	REG	RA-228	0.66	0.07	0.11	pCi/g	GSS		=			
SEAARC2004SS062640	REG	TH-228	0.66	0.07	0.11	pCi/g	GSS		=			
SEAARC2004SS062640	REG	Th-230	39.20	6.59	8.80	pCi/g	GSS		=			
SEAARC2004SS062640	REG	TH-232	0.66	0.07	0.11	pCi/g	GSS		=			
SEAARC2004SS062640	REG	U-235	0.56		0.40	pCi/g	GSS	U*	U	T04		
SEAARC2004SS062640	REG	U-238	3.02	0.52	0.92	pCi/g	GSS	*	J	J01		
SEAARC2004SS062760	DUP	Ac-227	6.22	0.46	0.49	pCi/g	GSS					0.7% OK
SEAARC2004SS062760	DUP	Am-241	-0.06		0.35	pCi/g	GSS	U			NC	NC
SEAARC2004SS062760	DUP	Cs-137	0.08		0.13	pCi/g	GSS	U			NC	NC
SEAARC2004SS062760	DUP	K-40	10.57	1.54	1.45	pCi/g	GSS					2.7% OK
SEAARC2004SS062760	DUP	Pa-231	6.46	1.38	2.34	pCi/g	GSS					0.1% OK
SEAARC2004SS062760	DUP	Ra-226	5.00	0.26	0.13	pCi/g	GSS					0.4% OK
SEAARC2004SS062760	DUP	RA-228	0.69	0.10	0.18	pCi/g	GSS					21.4% OK
SEAARC2004SS062760	DUP	TH-228	0.69	0.10	0.18	pCi/g	GSS					21.4% OK
SEAARC2004SS062760	DUP	Th-230	138.76	18.14	21.50	pCi/g	GSS					2.3% OK
SEAARC2004SS062760	DUP	TH-232	0.69	0.10	0.18	pCi/g	GSS					21.4% OK
SEAARC2004SS062760	DUP	U-235	2.17	0.28	0.53	pCi/g	GSS	*			NC	3.48
SEAARC2004SS062760	DUP	U-238	9.70	1.58	2.22	pCi/g	GSS	*				36.4% 2.58
SEAARC2004SS062760	REG	Ac-227	6.18	0.51	0.54	pCi/g	GSS		=			
SEAARC2004SS062760	REG	Am-241	-0.09		0.37	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2004SS062760	REG	Cs-137	0.13		0.15	pCi/g	GSS	U	U	T04, T05		
SEAARC2004SS062760	REG	K-40	10.28	1.65	1.59	pCi/g	GSS		=			
SEAARC2004SS062760	REG	Pa-231	6.46	1.50	2.68	pCi/g	GSS		=			
SEAARC2004SS062760	REG	Ra-226	5.02	0.28	0.14	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2004SS062760	REG	RA-228	0.56	0.11	0.22	pCi/g	GSS		=			
SEAARC2004SS062760	REG	TH-228	0.56	0.11	0.22	pCi/g	GSS		=			
SEAARC2004SS062760	REG	Th-230	142.03	20.40	24.20	pCi/g	GSS		=			
SEAARC2004SS062760	REG	TH-232	0.56	0.11	0.22	pCi/g	GSS		=			
SEAARC2004SS062760	REG	U-235	2.67		1.11	pCi/g	GSS	U*	U	T04		
SEAARC2004SS062760	REG	U-238	6.71	1.63	2.47	pCi/g	GSS	*	J	J01		
SEAARC2004SS062940	REG	Ac-227	1.45	0.23	0.40	pCi/g	GSS		=			
SEAARC2004SS062940	REG	Am-241	0.17		0.30	pCi/g	GSS	U	U	T04, T05		
SEAARC2004SS062940	REG	Cs-137	0.10		0.17	pCi/g	GSS	U	U	T04, T05		
SEAARC2004SS062940	REG	K-40	8.36	1.96	2.32	pCi/g	GSS		=			
SEAARC2004SS062940	REG	Pa-231	-0.66		4.39	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2004SS062940	REG	Ra-226	1.49	0.13	0.14	pCi/g	GSS		=			
SEAARC2004SS062940	REG	RA-228	0.53	0.11	0.22	pCi/g	GSS		=			
SEAARC2004SS062940	REG	TH-228	0.53	0.11	0.22	pCi/g	GSS		=			
SEAARC2004SS062940	REG	Th-230	46.84	10.21	17.10	pCi/g	GSS		=			
SEAARC2004SS062940	REG	TH-232	0.53	0.11	0.22	pCi/g	GSS		=			
SEAARC2004SS062940	REG	U-235	1.09		0.76	pCi/g	GSS	U*	U	T04		
SEAARC2004SS062940	REG	U-238	3.98	1.01	1.79	pCi/g	GSS	*	J	J01		
SEAARC2004SS063000	REG	Ac-227	4.60	0.33	0.32	pCi/g	GSS		=			
SEAARC2004SS063000	REG	Am-241	-0.08		0.21	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2004SS063000	REG	Cs-137	0.10		0.09	pCi/g	GSS	U	U	T04		
SEAARC2004SS063000	REG	K-40	12.77	1.54	0.96	pCi/g	GSS		=			
SEAARC2004SS063000	REG	Pa-231	4.02	0.83	1.51	pCi/g	GSS		=			
SEAARC2004SS063000	REG	Ra-226	4.22	0.20	0.09	pCi/g	GSS		=			
SEAARC2004SS063000	REG	RA-228	0.79	0.08	0.14	pCi/g	GSS		=			
SEAARC2004SS063000	REG	TH-228	0.79	0.08	0.14	pCi/g	GSS		=			
SEAARC2004SS063000	REG	Th-230	132.55	15.71	13.20	pCi/g	GSS		=			
SEAARC2004SS063000	REG	TH-232	0.79	0.08	0.14	pCi/g	GSS		=			
SEAARC2004SS063000	REG	U-235	1.38	0.17	0.34	pCi/g	GSS	*	J	J01		
SEAARC2004SS063000	REG	U-238	11.57	1.15	1.36	pCi/g	GSS	*	J	J01		
SEAARC2004SS063300	REG	Ac-227	-0.57		0.84	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2004SS063300	REG	Am-241	-0.02		0.17	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2004SS063300	REG	Cs-137	0.05	0.03	0.06	pCi/g	GSS	U	U	T05		
SEAARC2004SS063300	REG	K-40	7.67	1.39	1.44	pCi/g	GSS		=			
SEAARC2004SS063300	REG	Pa-231	1.97		2.71	pCi/g	GSS	U	U	T04, T05		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2004SS063300	REG	Ra-226	0.82	0.07	0.09	pCi/g	GSS		=			
SEAARC2004SS063300	REG	RA-228	0.97	0.11	0.15	pCi/g	GSS		=			
SEAARC2004SS063300	REG	TH-228	0.97	0.11	0.15	pCi/g	GSS		=			
SEAARC2004SS063300	REG	Th-230	6.04		16.10	pCi/g	GSS	U	U	T04, T05		
SEAARC2004SS063300	REG	TH-232	0.97	0.11	0.15	pCi/g	GSS		=			
SEAARC2004SS063300	REG	U-235	0.10		0.42	pCi/g	GSS	U*	U	T04, T05		
SEAARC2004SS063300	REG	U-238	1.03	0.45	0.97	pCi/g	GSS	*	J	J01		
SEAARC2004SS063960	REG	Ac-227	1.10	0.18	0.29	pCi/g	GSS		=			
SEAARC2004SS063960	REG	Am-241	-0.05		0.19	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2004SS063960	REG	Cs-137	0.04		0.11	pCi/g	GSS	U	U	T04, T05		
SEAARC2004SS063960	REG	K-40	9.29	1.46	1.41	pCi/g	GSS		=			
SEAARC2004SS063960	REG	Pa-231	1.32	0.77	1.43	pCi/g	GSS	U	U	T05		
SEAARC2004SS063960	REG	Ra-226	1.20	0.09	0.09	pCi/g	GSS		=			
SEAARC2004SS063960	REG	RA-228	0.55	0.09	0.14	pCi/g	GSS		=			
SEAARC2004SS063960	REG	TH-228	0.55	0.09	0.14	pCi/g	GSS		=			
SEAARC2004SS063960	REG	Th-230	28.10	7.48	11.60	pCi/g	GSS		=			
SEAARC2004SS063960	REG	TH-232	0.55	0.09	0.14	pCi/g	GSS		=			
SEAARC2004SS063960	REG	U-235	0.60		0.54	pCi/g	GSS	U*	U	T04		
SEAARC2004SS063960	REG	U-238	2.92	0.66	1.20	pCi/g	GSS	*	J	J01		
SEAARC2005SS062880	REG	Ac-227	0.67	0.13	0.26	pCi/g	GSS		=			
SEAARC2005SS062880	REG	Am-241	0.09		0.17	pCi/g	GSS	U	U	T04, T05		
SEAARC2005SS062880	REG	Cs-137	0.10		0.11	pCi/g	GSS	U	U	T04, T05		
SEAARC2005SS062880	REG	K-40	10.81	2.90	1.25	pCi/g	GSS		=			
SEAARC2005SS062880	REG	Pa-231	-0.23		2.54	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2005SS062880	REG	Ra-226	1.08	0.16	1.23	pCi/g	GSS		U	T05		
SEAARC2005SS062880	REG	RA-228	0.63	0.09	0.14	pCi/g	GSS		=			
SEAARC2005SS062880	REG	TH-228	0.63	0.09	0.14	pCi/g	GSS		=			
SEAARC2005SS062880	REG	Th-230	16.33	5.06	9.61	pCi/g	GSS		=			
SEAARC2005SS062880	REG	TH-232	0.63	0.09	0.14	pCi/g	GSS		=			
SEAARC2005SS062880	REG	U-235	0.04		0.43	pCi/g	GSS	U	U	T04, T05		
SEAARC2005SS062880	REG	U-238	1.92	0.53	1.00	pCi/g	GSS		=			
SEAARC2005SS063120	REG	Ac-227	1.03	0.16	0.31	pCi/g	GSS		=			
SEAARC2005SS063120	REG	Am-241	0.02		0.20	pCi/g	GSS	U	U	T04, T05		
SEAARC2005SS063120	REG	Cs-137	-0.01		0.11	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2005SS063120	REG	K-40	11.87	1.58	1.31	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation	Qualifier	Reason Code	RPD	NAD
SEAARC2005SS063120	REG	Pa-231	0.23		2.95	pCi/g	GSS	U		U	T04, T05		
SEAARC2005SS063120	REG	Ra-226	1.48	0.11	0.09	pCi/g	GSS			=			
SEAARC2005SS063120	REG	RA-228	0.62	0.09	0.14	pCi/g	GSS			=			
SEAARC2005SS063120	REG	TH-228	0.62	0.09	0.14	pCi/g	GSS			=			
SEAARC2005SS063120	REG	Th-230	28.49	6.51	11.70	pCi/g	GSS			=			
SEAARC2005SS063120	REG	TH-232	0.62	0.09	0.14	pCi/g	GSS			=			
SEAARC2005SS063120	REG	U-235	0.80		0.55	pCi/g	GSS	U		U	T04		
SEAARC2005SS063120	REG	U-238	3.30	0.70	1.22	pCi/g	GSS			=			
SEAARC2005SS063240	REG	Ac-227	21.17	1.12	0.84	pCi/g	GSS			=			
SEAARC2005SS063240	REG	Am-241	-0.32		0.60	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2005SS063240	REG	Cs-137	0.05		0.22	pCi/g	GSS	U		U	T04, T05		
SEAARC2005SS063240	REG	K-40	13.45	3.55	1.75	pCi/g	GSS			=			
SEAARC2005SS063240	REG	Pa-231	22.96	2.67	3.87	pCi/g	GSS			=			
SEAARC2005SS063240	REG	Ra-226	14.39	1.29	0.22	pCi/g	GSS			=			
SEAARC2005SS063240	REG	RA-228	1.05	0.14	0.31	pCi/g	GSS			=			
SEAARC2005SS063240	REG	TH-228	1.05	0.14	0.31	pCi/g	GSS			=			
SEAARC2005SS063240	REG	Th-230	546.92	55.36	37.10	pCi/g	GSS			=			
SEAARC2005SS063240	REG	TH-232	1.05	0.14	0.31	pCi/g	GSS			=			
SEAARC2005SS063240	REG	U-235	4.08	0.45	0.92	pCi/g	GSS			=			
SEAARC2005SS063240	REG	U-238	31.33	3.18	3.83	pCi/g	GSS			=			
SEAARC2005SS063480	REG	Ac-227	2.47	0.29	0.40	pCi/g	GSS			=			
SEAARC2005SS063480	REG	Am-241	-0.12		0.25	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2005SS063480	REG	Cs-137	0.14		0.14	pCi/g	GSS	U		U	T04		
SEAARC2005SS063480	REG	K-40	8.81	1.40	1.40	pCi/g	GSS			=			
SEAARC2005SS063480	REG	Pa-231	3.28	0.88	1.89	pCi/g	GSS			=			
SEAARC2005SS063480	REG	Ra-226	3.51	0.19	0.12	pCi/g	GSS			=			
SEAARC2005SS063480	REG	RA-228	0.63	0.09	0.19	pCi/g	GSS			=			
SEAARC2005SS063480	REG	TH-228	0.63	0.09	0.19	pCi/g	GSS			=			
SEAARC2005SS063480	REG	Th-230	63.05	10.08	15.50	pCi/g	GSS			=			
SEAARC2005SS063480	REG	TH-232	0.63	0.09	0.19	pCi/g	GSS			=			
SEAARC2005SS063480	REG	U-235	1.23	0.20	0.42	pCi/g	GSS			=			
SEAARC2005SS063480	REG	U-238	4.39	0.88	1.59	pCi/g	GSS			=			
SEAARC2006SS062700	REG	Ac-227	-0.03		0.61	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2006SS062700	REG	Am-241	0.10	0.04	0.09	pCi/g	GSS			=			
SEAARC2006SS062700	REG	Cs-137	-0.01		0.10	pCi/g	GSS	U		UJ	T04, T06		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2006SS062700	REG	K-40	9.59	1.46	1.44	pCi/g	GSS		=			
SEAARC2006SS062700	REG	Pa-231	0.83		2.17	pCi/g	GSS	U	U	T04, T05		
SEAARC2006SS062700	REG	Ra-226	0.59	0.06	0.08	pCi/g	GSS		=			
SEAARC2006SS062700	REG	RA-228	0.46	0.08	0.12	pCi/g	GSS		=			
SEAARC2006SS062700	REG	TH-228	0.46	0.08	0.12	pCi/g	GSS		=			
SEAARC2006SS062700	REG	Th-230	8.17	3.63	7.87	pCi/g	GSS		=			
SEAARC2006SS062700	REG	TH-232	0.46	0.08	0.12	pCi/g	GSS		=			
SEAARC2006SS062700	REG	U-235	-0.07		0.34	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2006SS062700	REG	U-238	1.39	0.44	0.82	pCi/g	GSS		=			
SEAARC2006SS062820	REG	Ac-227	21.33	1.03	0.58	pCi/g	GSS		=			
SEAARC2006SS062820	REG	Am-241	-0.24		0.43	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2006SS062820	REG	Cs-137	-0.02		0.15	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2006SS062820	REG	K-40	9.64	1.35	1.23	pCi/g	GSS		=			
SEAARC2006SS062820	REG	Pa-231	24.03	3.42	2.61	pCi/g	GSS		=			
SEAARC2006SS062820	REG	Ra-226	12.15	0.54	0.14	pCi/g	GSS		=			
SEAARC2006SS062820	REG	RA-228	0.79	0.10	0.21	pCi/g	GSS		=			
SEAARC2006SS062820	REG	TH-228	0.79	0.10	0.21	pCi/g	GSS		=			
SEAARC2006SS062820	REG	Th-230	529.46	53.65	26.60	pCi/g	GSS		=			
SEAARC2006SS062820	REG	TH-232	0.79	0.10	0.21	pCi/g	GSS		=			
SEAARC2006SS062820	REG	U-235	3.44	0.36	0.64	pCi/g	GSS	*	J	J01		
SEAARC2006SS062820	REG	U-238	33.97	3.12	2.75	pCi/g	GSS	*	J	J01		
SEAARC2006SS062880	REG	Ac-227	25.06	1.28	0.86	pCi/g	GSS		=			
SEAARC2006SS062880	REG	Am-241	-0.40		0.58	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2006SS062880	REG	Cs-137	0.00		0.21	pCi/g	GSS	U	U	T04, T05		
SEAARC2006SS062880	REG	K-40	8.13	1.52	1.82	pCi/g	GSS		=			
SEAARC2006SS062880	REG	Pa-231	28.06	3.38	3.84	pCi/g	GSS		=			
SEAARC2006SS062880	REG	Ra-226	12.44	0.58	0.21	pCi/g	GSS		=			
SEAARC2006SS062880	REG	RA-228	0.78	0.13	0.30	pCi/g	GSS		=			
SEAARC2006SS062880	REG	TH-228	0.78	0.13	0.30	pCi/g	GSS		=			
SEAARC2006SS062880	REG	Th-230	525.42	55.95	36.60	pCi/g	GSS		=			
SEAARC2006SS062880	REG	TH-232	0.78	0.13	0.30	pCi/g	GSS		=			
SEAARC2006SS062880	REG	U-235	4.71	0.51	0.96	pCi/g	GSS		=			
SEAARC2006SS062880	REG	U-238	33.47	3.51	3.75	pCi/g	GSS		=			
SEAARC2006SS063180	REG	Ac-227	1.84	0.26	0.34	pCi/g	GSS		=			
SEAARC2006SS063180	REG	Am-241	-0.03		0.24	pCi/g	GSS	U	UJ	T04, T06		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation	Qualifier	Reason Code	RPD	NAD
SEAARC2006SS063180	REG	Cs-137	0.05		0.14	pCi/g	GSS	U		U	T04, T05		
SEAARC2006SS063180	REG	K-40	5.14	1.48	1.93	pCi/g	GSS			=			
SEAARC2006SS063180	REG	Pa-231	2.20	0.77	1.71	pCi/g	GSS			=			
SEAARC2006SS063180	REG	Ra-226	1.36	0.11	0.11	pCi/g	GSS			=			
SEAARC2006SS063180	REG	RA-228	0.54	0.10	0.17	pCi/g	GSS			=			
SEAARC2006SS063180	REG	TH-228	0.54	0.10	0.17	pCi/g	GSS			=			
SEAARC2006SS063180	REG	Th-230	53.02	9.61	14.20	pCi/g	GSS			=			
SEAARC2006SS063180	REG	TH-232	0.54	0.10	0.17	pCi/g	GSS			=			
SEAARC2006SS063180	REG	U-235	0.87	0.18	0.36	pCi/g	GSS			=			
SEAARC2006SS063180	REG	U-238	3.69	0.86	1.45	pCi/g	GSS			=			
SEAARC2006SS063780	REG	Ac-227	-0.24		0.48	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2006SS063780	REG	Am-241	-0.03		0.10	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2006SS063780	REG	Cs-137	0.04	0.02	0.04	pCi/g	GSS			=			
SEAARC2006SS063780	REG	K-40	9.27	1.19	0.99	pCi/g	GSS			=			
SEAARC2006SS063780	REG	Pa-231	0.78		1.57	pCi/g	GSS	U		U	T04, T05		
SEAARC2006SS063780	REG	Ra-226	0.56	0.04	0.06	pCi/g	GSS			=			
SEAARC2006SS063780	REG	RA-228	0.57	0.06	0.10	pCi/g	GSS			=			
SEAARC2006SS063780	REG	TH-228	0.57	0.06	0.10	pCi/g	GSS			=			
SEAARC2006SS063780	REG	Th-230	0.03		9.69	pCi/g	GSS	U		U	T04, T05		
SEAARC2006SS063780	REG	TH-232	0.57	0.06	0.10	pCi/g	GSS			=			
SEAARC2006SS063780	REG	U-235	0.09		0.25	pCi/g	GSS	U		U	T04, T05		
SEAARC2006SS063780	REG	U-238	0.59	0.27	0.59	pCi/g	GSS	U		U	T05		
SEAARC2007SS062220	REG	Ac-227	2.92	0.29	0.34	pCi/g	GSS			=			
SEAARC2007SS062220	REG	Am-241	-0.05		0.25	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2007SS062220	REG	Cs-137	0.00		0.13	pCi/g	GSS	U		U	T04, T05		
SEAARC2007SS062220	REG	K-40	7.37	1.63	2.08	pCi/g	GSS			=			
SEAARC2007SS062220	REG	Pa-231	3.09	0.83	1.72	pCi/g	GSS			=			
SEAARC2007SS062220	REG	Ra-226	2.46	0.16	0.12	pCi/g	GSS			=			
SEAARC2007SS062220	REG	RA-228	0.61	0.09	0.16	pCi/g	GSS			=			
SEAARC2007SS062220	REG	TH-228	0.61	0.09	0.16	pCi/g	GSS			=			
SEAARC2007SS062220	REG	Th-230	96.24	14.41	14.90	pCi/g	GSS			=			
SEAARC2007SS062220	REG	TH-232	0.61	0.09	0.16	pCi/g	GSS			=			
SEAARC2007SS062220	REG	U-235	1.75		0.66	pCi/g	GSS	U		U	T04		
SEAARC2007SS062220	REG	U-238	5.93	1.04	1.55	pCi/g	GSS			=			
SEAARC2007SS062400	REG	Ac-227	1.13	0.19	0.33	pCi/g	GSS			=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2007SS062400	REG	Am-241	0.03		0.23	pCi/g	GSS	U	U	T04, T05		
SEAARC2007SS062400	REG	Cs-137	-0.04		0.11	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2007SS062400	REG	K-40	15.35	2.01	1.37	pCi/g	GSS		=			
SEAARC2007SS062400	REG	Pa-231	0.64		3.25	pCi/g	GSS	U	U	T04, T05		
SEAARC2007SS062400	REG	Ra-226	1.86	0.12	0.10	pCi/g	GSS		=			
SEAARC2007SS062400	REG	RA-228	0.74	0.10	0.14	pCi/g	GSS		=			
SEAARC2007SS062400	REG	TH-228	0.74	0.10	0.14	pCi/g	GSS		=			
SEAARC2007SS062400	REG	Th-230	30.98	8.10	13.20	pCi/g	GSS		=			
SEAARC2007SS062400	REG	TH-232	0.74	0.10	0.14	pCi/g	GSS		=			
SEAARC2007SS062400	REG	U-235	0.66	0.15	0.35	pCi/g	GSS		=			
SEAARC2007SS062400	REG	U-238	2.97	0.72	1.38	pCi/g	GSS		=			
SEAARC2007SS062580	REG	Ac-227	8.35	0.48	0.37	pCi/g	GSS		=			
SEAARC2007SS062580	REG	Am-241	-0.06		0.27	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2007SS062580	REG	Cs-137	0.11		0.10	pCi/g	GSS	U	U	T04		
SEAARC2007SS062580	REG	K-40	10.98	1.21	0.89	pCi/g	GSS		=			
SEAARC2007SS062580	REG	Pa-231	9.52	1.15	1.71	pCi/g	GSS		=			
SEAARC2007SS062580	REG	Ra-226	6.16	0.27	0.10	pCi/g	GSS		=			
SEAARC2007SS062580	REG	RA-228	0.75	0.08	0.14	pCi/g	GSS		=			
SEAARC2007SS062580	REG	TH-228	0.75	0.08	0.14	pCi/g	GSS		=			
SEAARC2007SS062580	REG	Th-230	197.96	21.16	16.30	pCi/g	GSS		=			
SEAARC2007SS062580	REG	TH-232	0.75	0.08	0.14	pCi/g	GSS		=			
SEAARC2007SS062580	REG	U-235	1.86	0.20	0.42	pCi/g	GSS		=			
SEAARC2007SS062580	REG	U-238	17.45	1.76	1.68	pCi/g	GSS		=			
SEAARC2007SS062820	REG	Ac-227	0.25	0.13	0.25	pCi/g	GSS	U	U	T05		
SEAARC2007SS062820	REG	Am-241	0.03		0.16	pCi/g	GSS	U	U	T04, T05		
SEAARC2007SS062820	REG	Cs-137	0.04		0.10	pCi/g	GSS	U	U	T04, T05		
SEAARC2007SS062820	REG	K-40	11.87	1.71	1.32	pCi/g	GSS		=			
SEAARC2007SS062820	REG	Pa-231	-0.87		2.51	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2007SS062820	REG	Ra-226	0.85	0.07	0.09	pCi/g	GSS		=			
SEAARC2007SS062820	REG	RA-228	0.82	0.10	0.14	pCi/g	GSS		=			
SEAARC2007SS062820	REG	TH-228	0.82	0.10	0.14	pCi/g	GSS		=			
SEAARC2007SS062820	REG	Th-230	11.00		16.30	pCi/g	GSS	U	U	T04, T05		
SEAARC2007SS062820	REG	TH-232	0.82	0.10	0.14	pCi/g	GSS		=			
SEAARC2007SS062820	REG	U-235	0.06		0.42	pCi/g	GSS	U	U	T04, T05		
SEAARC2007SS062820	REG	U-238	1.79	0.51	0.97	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation	Qualifier	Reason Code	RPD	NAD
SEAARC2008SS062580	REG	Ac-227	0.11		0.61	pCi/g	GSS	U		U	T04, T05		
SEAARC2008SS062580	REG	Am-241	-0.06		0.14	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2008SS062580	REG	Cs-137	0.04		0.10	pCi/g	GSS	U		U	T04, T05		
SEAARC2008SS062580	REG	K-40	10.49	1.60	1.27	pCi/g	GSS			=			
SEAARC2008SS062580	REG	Pa-231	0.13		2.05	pCi/g	GSS	U		U	T04, T05		
SEAARC2008SS062580	REG	Ra-226	0.45	0.05	0.08	pCi/g	GSS			=			
SEAARC2008SS062580	REG	RA-228	0.61	0.09	0.12	pCi/g	GSS			=			
SEAARC2008SS062580	REG	TH-228	0.61	0.09	0.12	pCi/g	GSS			=			
SEAARC2008SS062580	REG	Th-230	-0.57		12.60	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2008SS062580	REG	TH-232	0.61	0.09	0.12	pCi/g	GSS			=			
SEAARC2008SS062580	REG	U-235	0.24		0.36	pCi/g	GSS	U		U	T04, T05		
SEAARC2008SS062580	REG	U-238	0.69	0.37	0.79	pCi/g	GSS	U		U	T05		
SEAARC2009SS063960	REG	Ac-227	3.06	0.31	0.42	pCi/g	GSS			=			
SEAARC2009SS063960	REG	Am-241	-0.07		0.27	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2009SS063960	REG	Cs-137	0.10		0.14	pCi/g	GSS	U		U	T04, T05		
SEAARC2009SS063960	REG	K-40	13.23	1.92	1.69	pCi/g	GSS			=			
SEAARC2009SS063960	REG	Pa-231	2.78	0.96	2.03	pCi/g	GSS			=			
SEAARC2009SS063960	REG	Ra-226	2.72	0.17	0.13	pCi/g	GSS			=			
SEAARC2009SS063960	REG	RA-228	0.85	0.12	0.20	pCi/g	GSS			=			
SEAARC2009SS063960	REG	TH-228	0.85	0.12	0.20	pCi/g	GSS			=			
SEAARC2009SS063960	REG	Th-230	80.41	11.78	17.30	pCi/g	GSS			=			
SEAARC2009SS063960	REG	TH-232	0.85	0.12	0.20	pCi/g	GSS			=			
SEAARC2009SS063960	REG	U-235	1.98		0.78	pCi/g	GSS	U		U	T04		
SEAARC2009SS063960	REG	U-238	6.86	1.14	1.76	pCi/g	GSS			=			
SEAARC2009SS123900	REG	Ac-227	3.77	0.35	0.42	pCi/g	GSS			=			
SEAARC2009SS123900	REG	Am-241	0.04		0.29	pCi/g	GSS	U		U	T04, T05		
SEAARC2009SS123900	REG	Cs-137	0.11		0.13	pCi/g	GSS	U		U	T04, T05		
SEAARC2009SS123900	REG	K-40	11.44	1.81	1.37	pCi/g	GSS			=			
SEAARC2009SS123900	REG	Pa-231	4.46	1.08	2.04	pCi/g	GSS			=			
SEAARC2009SS123900	REG	Ra-226	3.27	0.19	0.12	pCi/g	GSS			=			
SEAARC2009SS123900	REG	RA-228	0.79	0.10	0.18	pCi/g	GSS			=			
SEAARC2009SS123900	REG	TH-228	0.79	0.10	0.18	pCi/g	GSS			=			
SEAARC2009SS123900	REG	Th-230	89.90	14.27	17.40	pCi/g	GSS			=			
SEAARC2009SS123900	REG	TH-232	0.79	0.10	0.18	pCi/g	GSS			=			
SEAARC2009SS123900	REG	U-235	1.68		0.79	pCi/g	GSS	U		U	T04		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2009SS123900	REG	U-238	6.50	1.05	1.80	pCi/g	GSS		=			
SEAARC2009SS124320	REG	Ac-227	6.28	0.42	0.39	pCi/g	GSS		=			
SEAARC2009SS124320	REG	Am-241	-0.21		0.28	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2009SS124320	REG	Cs-137	0.13		0.12	pCi/g	GSS	U	U	T04		
SEAARC2009SS124320	REG	K-40	7.96	1.26	1.30	pCi/g	GSS		=			
SEAARC2009SS124320	REG	Pa-231	6.22	1.44	1.75	pCi/g	GSS		=			
SEAARC2009SS124320	REG	Ra-226	5.57	0.27	0.11	pCi/g	GSS		=			
SEAARC2009SS124320	REG	RA-228	0.66	0.08	0.17	pCi/g	GSS		=			
SEAARC2009SS124320	REG	TH-228	0.66	0.08	0.17	pCi/g	GSS		=			
SEAARC2009SS124320	REG	Th-230	171.91	24.38	16.90	pCi/g	GSS		=			
SEAARC2009SS124320	REG	TH-232	0.66	0.08	0.17	pCi/g	GSS		=			
SEAARC2009SS124320	REG	U-235	2.40	0.25	0.42	pCi/g	GSS		=			
SEAARC2009SS124320	REG	U-238	13.10	1.40	1.75	pCi/g	GSS		=			
SEAARC2009SS124440	REG	Ac-227	0.77	0.11	0.19	pCi/g	GSS		=			
SEAARC2009SS124440	REG	Am-241	-0.02		0.12	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2009SS124440	REG	Cs-137	0.07		0.07	pCi/g	GSS	U	U	T04, T05		
SEAARC2009SS124440	REG	K-40	6.57	0.91	0.93	pCi/g	GSS		=			
SEAARC2009SS124440	REG	Pa-231	1.02	0.48	0.95	pCi/g	GSS		=			
SEAARC2009SS124440	REG	Ra-226	1.24	0.08	0.06	pCi/g	GSS		=			
SEAARC2009SS124440	REG	RA-228	0.50	0.06	0.10	pCi/g	GSS		=			
SEAARC2009SS124440	REG	TH-228	0.50	0.06	0.10	pCi/g	GSS		=			
SEAARC2009SS124440	REG	Th-230	19.89	4.08	7.41	pCi/g	GSS		=			
SEAARC2009SS124440	REG	TH-232	0.50	0.06	0.10	pCi/g	GSS		=			
SEAARC2009SS124440	REG	U-235	0.66		0.34	pCi/g	GSS	U	U	T04		
SEAARC2009SS124440	REG	U-238	1.94	0.40	0.77	pCi/g	GSS		=			
SEAARC2010SS063660	REG	Ac-227	2.02	0.24	0.34	pCi/g	GSS		=			
SEAARC2010SS063660	REG	Am-241	0.25		0.24	pCi/g	GSS	U	U	T04		
SEAARC2010SS063660	REG	Cs-137	0.03		0.11	pCi/g	GSS	U	U	T04, T05		
SEAARC2010SS063660	REG	K-40	7.70	1.33	1.36	pCi/g	GSS		=			
SEAARC2010SS063660	REG	Pa-231	2.02	0.68	1.58	pCi/g	GSS		=			
SEAARC2010SS063660	REG	Ra-226	1.65	0.12	0.10	pCi/g	GSS		=			
SEAARC2010SS063660	REG	RA-228	0.56	0.09	0.14	pCi/g	GSS		=			
SEAARC2010SS063660	REG	TH-228	0.56	0.09	0.14	pCi/g	GSS		=			
SEAARC2010SS063660	REG	Th-230	59.43	9.16	13.90	pCi/g	GSS		=			
SEAARC2010SS063660	REG	TH-232	0.56	0.09	0.14	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation	Qualifier	Reason Code	RPD	NAD
SEAARC2010SS063660	REG	U-235	1.04		0.64	pCi/g	GSS	U		U	T04		
SEAARC2010SS063660	REG	U-238	3.46	0.90	1.44	pCi/g	GSS			=			
SEAARC2010SS063900	REG	Ac-227	-0.30		0.73	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2010SS063900	REG	Am-241	-0.06		0.14	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2010SS063900	REG	Cs-137	0.06		0.11	pCi/g	GSS	U		U	T04, T05		
SEAARC2010SS063900	REG	K-40	12.68	1.66	1.33	pCi/g	GSS			=			
SEAARC2010SS063900	REG	Pa-231	2.09		2.50	pCi/g	GSS	U		U	T04, T05		
SEAARC2010SS063900	REG	Ra-226	0.70	0.07	0.08	pCi/g	GSS			=			
SEAARC2010SS063900	REG	RA-228	0.73	0.10	0.14	pCi/g	GSS			=			
SEAARC2010SS063900	REG	TH-228	0.73	0.10	0.14	pCi/g	GSS			=			
SEAARC2010SS063900	REG	Th-230	11.85		15.70	pCi/g	GSS	U		U	T04, T05		
SEAARC2010SS063900	REG	TH-232	0.73	0.10	0.14	pCi/g	GSS			=			
SEAARC2010SS063900	REG	U-235	-0.05		0.41	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2010SS063900	REG	U-238	0.70	0.42	0.93	pCi/g	GSS	U		U	T05		
SEAARC2010SS064020	REG	Ac-227	15.28	0.92	0.62	pCi/g	GSS			=			
SEAARC2010SS064020	REG	Am-241	-0.23		0.47	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2010SS064020	REG	Cs-137	0.06	0.04	0.08	pCi/g	GSS	U		U	T05		
SEAARC2010SS064020	REG	K-40	10.56	1.49	1.52	pCi/g	GSS			=			
SEAARC2010SS064020	REG	Pa-231	18.66	2.29	2.88	pCi/g	GSS			=			
SEAARC2010SS064020	REG	Ra-226	8.05	0.39	0.16	pCi/g	GSS			=			
SEAARC2010SS064020	REG	RA-228	1.07	0.12	0.22	pCi/g	GSS			=			
SEAARC2010SS064020	REG	TH-228	1.07	0.12	0.22	pCi/g	GSS			=			
SEAARC2010SS064020	REG	Th-230	400.05	43.39	28.60	pCi/g	GSS			=			
SEAARC2010SS064020	REG	TH-232	1.07	0.12	0.22	pCi/g	GSS			=			
SEAARC2010SS064020	REG	U-235	3.33	0.36	0.70	pCi/g	GSS			=			
SEAARC2010SS064020	REG	U-238	26.46	3.03	2.93	pCi/g	GSS			=			
SEAARC2011SS063300	REG	Ac-227	0.12		0.23	pCi/g	GSS	U		U	T04, T05		
SEAARC2011SS063300	REG	Am-241	0.05		0.07	pCi/g	GSS	U		U	T04, T05		
SEAARC2011SS063300	REG	Cs-137	-0.02		0.07	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2011SS063300	REG	K-40	-2.02	0.86	1.57	pCi/g	GSS	U		UJ	T06		
SEAARC2011SS063300	REG	Pa-231	0.56		1.38	pCi/g	GSS	U		U	T04, T05		
SEAARC2011SS063300	REG	Ra-226	0.12		0.10	pCi/g	GSS	U		U	T04		
SEAARC2011SS063300	REG	RA-228	0.13		0.19	pCi/g	GSS	U		U	T04, T05		
SEAARC2011SS063300	REG	TH-228	0.13		0.19	pCi/g	GSS	U		U	T04, T05		
SEAARC2011SS063300	REG	Th-230	7.62		6.34	pCi/g	GSS	U		U	T04		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2011SS063300	REG	TH-232	0.13		0.19	pCi/g	GSS	U	U	T04, T05		
SEAARC2011SS063300	REG	U-235	-0.01		0.18	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2011SS063300	REG	U-238	0.32	0.18	0.39	pCi/g	GSS	U	U	T05		
SEAARC2012SS068700	REG	Ac-227	2.71	0.28	0.37	pCi/g	GSS		=			
SEAARC2012SS068700	REG	Am-241	-0.18		0.25	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2012SS068700	REG	Cs-137	0.15		0.12	pCi/g	GSS	U	U	T04		
SEAARC2012SS068700	REG	K-40	12.21	1.60	1.32	pCi/g	GSS		=			
SEAARC2012SS068700	REG	Pa-231	2.32	0.86	1.80	pCi/g	GSS		=			
SEAARC2012SS068700	REG	Ra-226	2.47	0.15	0.11	pCi/g	GSS		=			
SEAARC2012SS068700	REG	RA-228	0.73	0.10	0.14	pCi/g	GSS		=			
SEAARC2012SS068700	REG	TH-228	0.73	0.10	0.14	pCi/g	GSS		=			
SEAARC2012SS068700	REG	Th-230	69.69	10.19	15.20	pCi/g	GSS		=			
SEAARC2012SS068700	REG	TH-232	0.73	0.10	0.14	pCi/g	GSS		=			
SEAARC2012SS068700	REG	U-235	1.36		0.68	pCi/g	GSS	U	U	T04		
SEAARC2012SS068700	REG	U-238	4.44	0.86	1.57	pCi/g	GSS		=			
SEAARC2012SS068760	REG	Ac-227	-0.20		0.78	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2012SS068760	REG	Am-241	0.02		0.18	pCi/g	GSS	U	U	T04, T05		
SEAARC2012SS068760	REG	Cs-137	0.06	0.03	0.06	pCi/g	GSS		=			
SEAARC2012SS068760	REG	K-40	10.52	1.56	1.41	pCi/g	GSS		=			
SEAARC2012SS068760	REG	Pa-231	-0.22		2.74	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2012SS068760	REG	Ra-226	1.20	0.09	0.10	pCi/g	GSS		=			
SEAARC2012SS068760	REG	RA-228	0.68	0.09	0.15	pCi/g	GSS		=			
SEAARC2012SS068760	REG	TH-228	0.68	0.09	0.15	pCi/g	GSS		=			
SEAARC2012SS068760	REG	Th-230	6.81	4.35	10.20	pCi/g	GSS	U	U	T05		
SEAARC2012SS068760	REG	TH-232	0.68	0.09	0.15	pCi/g	GSS		=			
SEAARC2012SS068760	REG	U-235	0.28		0.46	pCi/g	GSS	U	U	T04, T05		
SEAARC2012SS068760	REG	U-238	1.92	0.57	1.06	pCi/g	GSS		=			
SEAARC2012SS068940	REG	Ac-227	0.00		0.63	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2012SS068940	REG	Am-241	-0.13		0.13	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2012SS068940	REG	Cs-137	0.04		0.11	pCi/g	GSS	U	U	T04, T05		
SEAARC2012SS068940	REG	K-40	11.80	1.73	1.39	pCi/g	GSS		=			
SEAARC2012SS068940	REG	Pa-231	0.00		2.15	pCi/g	GSS	U	U	T04, T05		
SEAARC2012SS068940	REG	Ra-226	0.49	0.06	0.08	pCi/g	GSS		=			
SEAARC2012SS068940	REG	RA-228	0.61	0.09	0.13	pCi/g	GSS		=			
SEAARC2012SS068940	REG	TH-228	0.61	0.09	0.13	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2012SS068940	REG	Th-230	-1.48		13.90	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2012SS068940	REG	TH-232	0.61	0.09	0.13	pCi/g	GSS		=			
SEAARC2012SS068940	REG	U-235	0.06		0.38	pCi/g	GSS	U	U	T04, T05		
SEAARC2012SS068940	REG	U-238	0.57	0.38	0.82	pCi/g	GSS	U	U	T05		
SEAARC2013SS066360	REG	Ac-227	7.76	0.54	0.60	pCi/g	GSS		=			
SEAARC2013SS066360	REG	Am-241	-0.23		0.44	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2013SS066360	REG	Cs-137	0.17		0.18	pCi/g	GSS	U	U	T04, T05		
SEAARC2013SS066360	REG	K-40	14.28	1.94	1.74	pCi/g	GSS		=			
SEAARC2013SS066360	REG	Pa-231	8.83	1.57	2.80	pCi/g	GSS		=			
SEAARC2013SS066360	REG	Ra-226	6.01	0.31	0.16	pCi/g	GSS		=			
SEAARC2013SS066360	REG	RA-228	0.89	0.13	0.24	pCi/g	GSS		=			
SEAARC2013SS066360	REG	TH-228	0.89	0.13	0.24	pCi/g	GSS		=			
SEAARC2013SS066360	REG	Th-230	225.77	28.75	27.00	pCi/g	GSS		=			
SEAARC2013SS066360	REG	TH-232	0.89	0.13	0.24	pCi/g	GSS		=			
SEAARC2013SS066360	REG	U-235	2.79	0.32	0.65	pCi/g	GSS		=			
SEAARC2013SS066360	REG	U-238	24.85	2.78	2.79	pCi/g	GSS		=			
SEAARC2013SS126240	REG	Ac-227	2.02	0.26	0.36	pCi/g	GSS		=			
SEAARC2013SS126240	REG	Am-241	-0.17		0.25	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2013SS126240	REG	Cs-137	0.14		0.13	pCi/g	GSS	U	U	T04		
SEAARC2013SS126240	REG	K-40	14.95	1.77	1.28	pCi/g	GSS		=			
SEAARC2013SS126240	REG	Pa-231	1.85	0.68	1.79	pCi/g	GSS		=			
SEAARC2013SS126240	REG	Ra-226	2.26	0.13	0.11	pCi/g	GSS		=			
SEAARC2013SS126240	REG	RA-228	0.95	0.11	0.16	pCi/g	GSS		=			
SEAARC2013SS126240	REG	TH-228	0.95	0.11	0.16	pCi/g	GSS		=			
SEAARC2013SS126240	REG	Th-230	61.50	9.52	14.10	pCi/g	GSS		=			
SEAARC2013SS126240	REG	TH-232	0.95	0.11	0.16	pCi/g	GSS		=			
SEAARC2013SS126240	REG	U-235	0.92	0.16	0.38	pCi/g	GSS		=			
SEAARC2013SS126240	REG	U-238	5.82	0.92	1.47	pCi/g	GSS		=			
SEAARC2013SS246600	REG	Ac-227	2.59	0.26	0.39	pCi/g	GSS		=			
SEAARC2013SS246600	REG	Am-241	-0.06		0.28	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2013SS246600	REG	Cs-137	-0.03		0.13	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2013SS246600	REG	K-40	14.42	1.91	1.45	pCi/g	GSS		=			
SEAARC2013SS246600	REG	Pa-231	2.80	0.82	1.94	pCi/g	GSS		=			
SEAARC2013SS246600	REG	Ra-226	2.08	0.14	0.12	pCi/g	GSS		=			
SEAARC2013SS246600	REG	RA-228	0.83	0.11	0.19	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2013SS246600	REG	TH-228	0.83	0.11	0.19	pCi/g	GSS		=			
SEAARC2013SS246600	REG	Th-230	67.27	12.03	16.70	pCi/g	GSS		=			
SEAARC2013SS246600	REG	TH-232	0.83	0.11	0.19	pCi/g	GSS		=			
SEAARC2013SS246600	REG	U-235	1.15	0.18	0.40	pCi/g	GSS		=			
SEAARC2013SS246600	REG	U-238	9.28	1.60	1.72	pCi/g	GSS		=			
SEAARC2014SS061140	REG	Ac-227	3.10	0.24	0.29	pCi/g	GSS		=			
SEAARC2014SS061140	REG	Am-241	-0.21		0.19	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2014SS061140	REG	Cs-137	0.02		0.09	pCi/g	GSS	U	U	T04, T05		
SEAARC2014SS061140	REG	K-40	7.21	1.20	1.06	pCi/g	GSS		=			
SEAARC2014SS061140	REG	Pa-231	3.54	0.69	1.41	pCi/g	GSS		=			
SEAARC2014SS061140	REG	Ra-226	3.06	0.16	0.09	pCi/g	GSS		=			
SEAARC2014SS061140	REG	RA-228	0.68	0.07	0.13	pCi/g	GSS		=			
SEAARC2014SS061140	REG	TH-228	0.68	0.07	0.13	pCi/g	GSS		=			
SEAARC2014SS061140	REG	Th-230	66.06	10.39	11.80	pCi/g	GSS		=			
SEAARC2014SS061140	REG	TH-232	0.68	0.07	0.13	pCi/g	GSS		=			
SEAARC2014SS061140	REG	U-235	0.94	0.13	0.31	pCi/g	GSS		=			
SEAARC2014SS061140	REG	U-238	6.46	0.99	1.21	pCi/g	GSS		=			
SEAARC2015SS061260	REG	Ac-227	-0.03		0.47	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2015SS061260	REG	Am-241	0.02		0.11	pCi/g	GSS	U	U	T04, T05		
SEAARC2015SS061260	REG	Cs-137	-0.01		0.09	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2015SS061260	REG	K-40	2.18	1.02	1.52	pCi/g	GSS		=			
SEAARC2015SS061260	REG	Pa-231	0.67		1.93	pCi/g	GSS	U	U	T04, T05		
SEAARC2015SS061260	REG	Ra-226	0.28	0.04	0.07	pCi/g	GSS		=			
SEAARC2015SS061260	REG	RA-228	0.36	0.06	0.12	pCi/g	GSS		=			
SEAARC2015SS061260	REG	TH-228	0.36	0.06	0.12	pCi/g	GSS		=			
SEAARC2015SS061260	REG	Th-230	-7.81		10.20	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2015SS061260	REG	TH-232	0.36	0.06	0.12	pCi/g	GSS		=			
SEAARC2015SS061260	REG	U-235	0.15		0.28	pCi/g	GSS	U	U	T04, T05		
SEAARC2015SS061260	REG	U-238	0.64	0.31	0.60	pCi/g	GSS		=			
SEAARC2016SS060120	DUP	Ac-227	-0.06		0.57	pCi/g	GSS	U			NC	NC
SEAARC2016SS060120	DUP	Am-241	0.04		0.11	pCi/g	GSS	U			NC	NC
SEAARC2016SS060120	DUP	Cs-137	0.10		0.08	pCi/g	GSS	U			NC	NC
SEAARC2016SS060120	DUP	K-40	10.85	1.27	1.00	pCi/g	GSS					1.4% OK
SEAARC2016SS060120	DUP	Pa-231	0.95		1.75	pCi/g	GSS	U			NC	NC
SEAARC2016SS060120	DUP	Ra-226	0.84	0.06	0.07	pCi/g	GSS					5.1% OK

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2016SS060120	DUP	RA-228	0.95	0.08	0.11	pCi/g	GSS				10.4%	OK
SEAARC2016SS060120	DUP	TH-228	0.95	0.08	0.11	pCi/g	GSS				10.4%	OK
SEAARC2016SS060120	DUP	Th-230	-5.22		10.70	pCi/g	GSS	U			NC	NC
SEAARC2016SS060120	DUP	TH-232	0.95	0.08	0.11	pCi/g	GSS				10.4%	OK
SEAARC2016SS060120	DUP	U-235	0.14		0.30	pCi/g	GSS	U			NC	NC
SEAARC2016SS060120	DUP	U-238	1.18	0.34	0.68	pCi/g	GSS				4.2%	OK
SEAARC2016SS060120	REG	Ac-227	-0.53		0.56	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2016SS060120	REG	Am-241	0.05		0.11	pCi/g	GSS	U	U	T04, T05		
SEAARC2016SS060120	REG	Cs-137	-0.02		0.07	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2016SS060120	REG	K-40	10.71	1.55	1.00	pCi/g	GSS		=			
SEAARC2016SS060120	REG	Pa-231	0.48		1.72	pCi/g	GSS	U	U	T04, T05		
SEAARC2016SS060120	REG	Ra-226	0.80	0.06	0.07	pCi/g	GSS		=			
SEAARC2016SS060120	REG	RA-228	1.05	0.09	0.10	pCi/g	GSS		=			
SEAARC2016SS060120	REG	TH-228	1.05	0.09	0.10	pCi/g	GSS		=			
SEAARC2016SS060120	REG	Th-230	2.83		10.70	pCi/g	GSS	U	U	T04, T05		
SEAARC2016SS060120	REG	TH-232	1.05	0.09	0.10	pCi/g	GSS		=			
SEAARC2016SS060120	REG	U-235	0.29		0.30	pCi/g	GSS	U	U	T04, T05		
SEAARC2016SS060120	REG	U-238	1.23	0.34	0.68	pCi/g	GSS		=			
SEAARC2016SS060300	REG	Ac-227	-0.20		1.07	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2016SS060300	REG	Am-241	-0.10		0.22	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2016SS060300	REG	Cs-137	0.14		0.15	pCi/g	GSS	U	U	T04, T05		
SEAARC2016SS060300	REG	K-40	8.01	1.66	1.85	pCi/g	GSS		=			
SEAARC2016SS060300	REG	Pa-231	-0.14		3.28	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2016SS060300	REG	Ra-226	1.09	0.09	0.12	pCi/g	GSS		=			
SEAARC2016SS060300	REG	RA-228	1.41	0.15	0.18	pCi/g	GSS		=			
SEAARC2016SS060300	REG	TH-228	1.41	0.15	0.18	pCi/g	GSS		=			
SEAARC2016SS060300	REG	Th-230	-9.82		20.40	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2016SS060300	REG	TH-232	1.41	0.15	0.18	pCi/g	GSS		=			
SEAARC2016SS060300	REG	U-235	0.46		0.55	pCi/g	GSS	U	U	T04, T05		
SEAARC2016SS060300	REG	U-238	1.70	0.63	1.26	pCi/g	GSS		=			
SEAARC2016SS060360	REG	Ac-227	-0.04		0.67	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2016SS060360	REG	Am-241	-0.05		0.14	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2016SS060360	REG	Cs-137	0.08		0.11	pCi/g	GSS	U	U	T04, T05		
SEAARC2016SS060360	REG	K-40	11.01	1.59	1.27	pCi/g	GSS		=			
SEAARC2016SS060360	REG	Pa-231	2.97		2.34	pCi/g	GSS	U	U	T04		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2016SS060360	REG	Ra-226	0.58	0.06	0.08	pCi/g	GSS		=			
SEAARC2016SS060360	REG	RA-228	0.64	0.09	0.13	pCi/g	GSS		=			
SEAARC2016SS060360	REG	TH-228	0.64	0.09	0.13	pCi/g	GSS		=			
SEAARC2016SS060360	REG	Th-230	-11.72		12.60	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2016SS060360	REG	TH-232	0.64	0.09	0.13	pCi/g	GSS		=			
SEAARC2016SS060360	REG	U-235	-0.18		0.35	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2016SS060360	REG	U-238	0.71	0.39	0.81	pCi/g	GSS	U	U	T05		
SEAARC2016SS061440	REG	Ac-227	-0.16		0.45	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2016SS061440	REG	Am-241	0.04		0.10	pCi/g	GSS	U	U	T04, T05		
SEAARC2016SS061440	REG	Cs-137	0.04	0.02	0.04	pCi/g	GSS		=			
SEAARC2016SS061440	REG	K-40	9.85	1.40	0.94	pCi/g	GSS		=			
SEAARC2016SS061440	REG	Pa-231	-0.85		1.43	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2016SS061440	REG	Ra-226	0.57	0.04	0.06	pCi/g	GSS		=			
SEAARC2016SS061440	REG	RA-228	0.53	0.06	0.09	pCi/g	GSS		=			
SEAARC2016SS061440	REG	TH-228	0.53	0.06	0.09	pCi/g	GSS		=			
SEAARC2016SS061440	REG	Th-230	1.38		9.62	pCi/g	GSS	U	U	T04, T05		
SEAARC2016SS061440	REG	TH-232	0.53	0.06	0.09	pCi/g	GSS		=			
SEAARC2016SS061440	REG	U-235	0.15		0.25	pCi/g	GSS	U	U	T04, T05		
SEAARC2016SS061440	REG	U-238	0.90	0.28	0.56	pCi/g	GSS		=			
SEAARC2017SS061260	REG	Ac-227	4.11	0.34	0.46	pCi/g	GSS		=			
SEAARC2017SS061260	REG	Am-241	0.10		0.32	pCi/g	GSS	U	U	T04, T05		
SEAARC2017SS061260	REG	Cs-137	0.14		0.14	pCi/g	GSS	U	U	T04, T05		
SEAARC2017SS061260	REG	K-40	5.86	1.33	1.53	pCi/g	GSS		=			
SEAARC2017SS061260	REG	Pa-231	5.83	1.16	2.11	pCi/g	GSS		=			
SEAARC2017SS061260	REG	Ra-226	3.02	0.19	0.13	pCi/g	GSS		=			
SEAARC2017SS061260	REG	RA-228	0.66	0.10	0.18	pCi/g	GSS		=			
SEAARC2017SS061260	REG	TH-228	0.66	0.10	0.18	pCi/g	GSS		=			
SEAARC2017SS061260	REG	Th-230	99.00	14.58	19.60	pCi/g	GSS		=			
SEAARC2017SS061260	REG	TH-232	0.66	0.10	0.18	pCi/g	GSS		=			
SEAARC2017SS061260	REG	U-235	1.58		0.85	pCi/g	GSS	U	U	T04		
SEAARC2017SS061260	REG	U-238	6.37	1.10	2.02	pCi/g	GSS		=			
SEAARC2017SS061500	REG	Ac-227	11.50	0.65	0.59	pCi/g	GSS		=			
SEAARC2017SS061500	REG	Am-241	0.11		0.44	pCi/g	GSS	U	U	T04, T05		
SEAARC2017SS061500	REG	Cs-137	0.19		0.16	pCi/g	GSS	U	U	T04		
SEAARC2017SS061500	REG	K-40	11.51	1.55	1.32	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEAARC2017SS061500	REG	Pa-231	12.93	1.67	2.76	pCi/g	GSS		=			
SEAARC2017SS061500	REG	Ra-226	7.94	0.39	0.15	pCi/g	GSS		=			
SEAARC2017SS061500	REG	RA-228	0.78	0.11	0.22	pCi/g	GSS		=			
SEAARC2017SS061500	REG	TH-228	0.78	0.11	0.22	pCi/g	GSS		=			
SEAARC2017SS061500	REG	Th-230	291.90	32.73	27.10	pCi/g	GSS		=			
SEAARC2017SS061500	REG	TH-232	0.78	0.11	0.22	pCi/g	GSS		=			
SEAARC2017SS061500	REG	U-235	2.79	0.32	0.67	pCi/g	GSS		=			
SEAARC2017SS061500	REG	U-238	20.44	2.24	2.81	pCi/g	GSS		=			
SEAARC2017SS061680	REG	Ac-227	5.07	0.44	0.51	pCi/g	GSS		=			
SEAARC2017SS061680	REG	Am-241	-0.29		0.39	pCi/g	GSS	U	UJ	T04, T06		
SEAARC2017SS061680	REG	Cs-137	0.18		0.18	pCi/g	GSS	U	U	T04		
SEAARC2017SS061680	REG	K-40	8.76	1.77	2.01	pCi/g	GSS		=			
SEAARC2017SS061680	REG	Pa-231	6.29	1.44	2.45	pCi/g	GSS		=			
SEAARC2017SS061680	REG	Ra-226	3.59	0.22	0.16	pCi/g	GSS		=			
SEAARC2017SS061680	REG	RA-228	0.79	0.13	0.21	pCi/g	GSS		=			
SEAARC2017SS061680	REG	TH-228	0.79	0.13	0.21	pCi/g	GSS		=			
SEAARC2017SS061680	REG	Th-230	160.49	20.49	22.90	pCi/g	GSS		=			
SEAARC2017SS061680	REG	TH-232	0.79	0.13	0.21	pCi/g	GSS		=			
SEAARC2017SS061680	REG	U-235	3.42		1.06	pCi/g	GSS	U	U	T04		
SEAARC2017SS061680	REG	U-238	12.10	2.01	2.35	pCi/g	GSS		=			
SEAARC2017SS064800	DUP	Ac-227	-0.23		0.76	pCi/g	GSS	U			NC	NC
SEAARC2017SS064800	DUP	Am-241	0.06		0.17	pCi/g	GSS	U			NC	NC
SEAARC2017SS064800	DUP	Cs-137	0.00		0.11	pCi/g	GSS	U			NC	NC
SEAARC2017SS064800	DUP	K-40	16.14	1.97	1.31	pCi/g	GSS				8.0%	OK
SEAARC2017SS064800	DUP	Pa-231	2.84		2.53	pCi/g	GSS	U			NC	NC
SEAARC2017SS064800	DUP	Ra-226	0.68	0.06	0.08	pCi/g	GSS				5.5%	OK
SEAARC2017SS064800	DUP	RA-228	0.82	0.10	0.14	pCi/g	GSS				0.1%	OK
SEAARC2017SS064800	DUP	TH-228	0.82	0.10	0.14	pCi/g	GSS				0.1%	OK
SEAARC2017SS064800	DUP	Th-230	8.38		15.50	pCi/g	GSS	U			NC	NC
SEAARC2017SS064800	DUP	TH-232	0.82	0.10	0.14	pCi/g	GSS				0.1%	OK
SEAARC2017SS064800	DUP	U-235	-0.36		0.39	pCi/g	GSS	U			NC	NC
SEAARC2017SS064800	DUP	U-238	0.93	0.43	0.94	pCi/g	GSS	U			NC	NC
SEAARC2017SS064800	REG	Ac-227	0.04		0.75	pCi/g	GSS	U	U	T04, T05		
SEAARC2017SS064800	REG	Am-241	0.03		0.16	pCi/g	GSS	U	U	T04, T05		
SEAARC2017SS064800	REG	Cs-137	-0.07		0.10	pCi/g	GSS	U	UJ	T04, T06		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation	Qualifier	Reason Code	RPD	NAD
SEAARC2017SS064800	REG	K-40	17.49	1.99	1.35	pCi/g	GSS		=				
SEAARC2017SS064800	REG	Pa-231	3.19		2.55	pCi/g	GSS	U	U		T04		
SEAARC2017SS064800	REG	Ra-226	0.65	0.07	0.09	pCi/g	GSS		=				
SEAARC2017SS064800	REG	RA-228	0.82	0.10	0.15	pCi/g	GSS		=				
SEAARC2017SS064800	REG	TH-228	0.82	0.10	0.15	pCi/g	GSS		=				
SEAARC2017SS064800	REG	Th-230	-9.43		14.70	pCi/g	GSS	U	UJ		T04, T06		
SEAARC2017SS064800	REG	TH-232	0.82	0.10	0.15	pCi/g	GSS		=				
SEAARC2017SS064800	REG	U-235	0.11		0.41	pCi/g	GSS	U	U		T04, T05		
SEAARC2017SS064800	REG	U-238	0.93	0.44	0.95	pCi/g	GSS	U	U		T05		
SEAARC2018SS060180	REG	Ac-227	-0.11		0.78	pCi/g	GSS	U	UJ		T04, T06		
SEAARC2018SS060180	REG	Am-241	0.10		0.17	pCi/g	GSS	U	U		T04, T05		
SEAARC2018SS060180	REG	Cs-137	0.12	0.04	0.06	pCi/g	GSS		=				
SEAARC2018SS060180	REG	K-40	18.11	2.12	1.33	pCi/g	GSS		=				
SEAARC2018SS060180	REG	Pa-231	0.59		2.37	pCi/g	GSS	U	U		T04, T05		
SEAARC2018SS060180	REG	Ra-226	0.62	0.07	0.09	pCi/g	GSS		=				
SEAARC2018SS060180	REG	RA-228	0.82	0.10	0.15	pCi/g	GSS		=				
SEAARC2018SS060180	REG	TH-228	0.82	0.10	0.15	pCi/g	GSS		=				
SEAARC2018SS060180	REG	Th-230	2.73		15.30	pCi/g	GSS	U	U		T04, T05		
SEAARC2018SS060180	REG	TH-232	0.82	0.10	0.15	pCi/g	GSS		=				
SEAARC2018SS060180	REG	U-235	-0.08		0.42	pCi/g	GSS	U	UJ		T04, T06		
SEAARC2018SS060180	REG	U-238	0.94	0.45	0.98	pCi/g	GSS	U	U		T05		
SEAARC2018SS061440	REG	Ac-227	0.06		0.71	pCi/g	GSS	U	U		T04, T05		
SEAARC2018SS061440	REG	Am-241	0.03		0.16	pCi/g	GSS	U	U		T04, T05		
SEAARC2018SS061440	REG	Cs-137	0.07		0.10	pCi/g	GSS	U	U		T04, T05		
SEAARC2018SS061440	REG	K-40	15.28	1.89	1.28	pCi/g	GSS		=				
SEAARC2018SS061440	REG	Pa-231	0.77		2.49	pCi/g	GSS	U	U		T04, T05		
SEAARC2018SS061440	REG	Ra-226	0.57	0.06	0.08	pCi/g	GSS		=				
SEAARC2018SS061440	REG	RA-228	0.71	0.09	0.14	pCi/g	GSS		=				
SEAARC2018SS061440	REG	TH-228	0.71	0.09	0.14	pCi/g	GSS		=				
SEAARC2018SS061440	REG	Th-230	-0.22		14.00	pCi/g	GSS	U	UJ		T04, T06		
SEAARC2018SS061440	REG	TH-232	0.71	0.09	0.14	pCi/g	GSS		=				
SEAARC2018SS061440	REG	U-235	0.02		0.40	pCi/g	GSS	U	U		T04, T05		
SEAARC2018SS061440	REG	U-238	0.85	0.42	0.84	pCi/g	GSS		=				
SEAARC2019SS063840	REG	Ac-227	14.54	0.94	0.79	pCi/g	GSS		=				
SEAARC2019SS063840	REG	Am-241	-0.04		0.58	pCi/g	GSS	U	UJ		T04, T06		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation	Qualifier	Reason Code	RPD	NAD
SEAARC2019SS063840	REG	Cs-137	0.35		0.21	pCi/g	GSS	U		U	T04		
SEAARC2019SS063840	REG	K-40	10.16	1.75	1.85	pCi/g	GSS			=			
SEAARC2019SS063840	REG	Pa-231	16.70	2.79	3.63	pCi/g	GSS			=			
SEAARC2019SS063840	REG	Ra-226	9.39	0.48	0.19	pCi/g	GSS			=			
SEAARC2019SS063840	REG	RA-228	0.87	0.14	0.30	pCi/g	GSS			=			
SEAARC2019SS063840	REG	TH-228	0.87	0.14	0.30	pCi/g	GSS			=			
SEAARC2019SS063840	REG	Th-230	418.85	45.00	36.40	pCi/g	GSS			=			
SEAARC2019SS063840	REG	TH-232	0.87	0.14	0.30	pCi/g	GSS			=			
SEAARC2019SS063840	REG	U-235	3.37	0.42	0.89	pCi/g	GSS			=			
SEAARC2019SS063840	REG	U-238	22.44	2.82	3.75	pCi/g	GSS			=			
SEAARC2019SS064200	REG	Ac-227	15.23	0.92	0.66	pCi/g	GSS			=			
SEAARC2019SS064200	REG	Am-241	-0.19		0.54	pCi/g	GSS	U		UJ	T04, T06		
SEAARC2019SS064200	REG	Cs-137	0.22		0.18	pCi/g	GSS	U		U	T04		
SEAARC2019SS064200	REG	K-40	8.84	1.49	1.51	pCi/g	GSS			=			
SEAARC2019SS064200	REG	Pa-231	17.42	2.29	3.08	pCi/g	GSS			=			
SEAARC2019SS064200	REG	Ra-226	5.98	0.33	0.15	pCi/g	GSS			=			
SEAARC2019SS064200	REG	RA-228	0.91	0.13	0.23	pCi/g	GSS			=			
SEAARC2019SS064200	REG	TH-228	0.91	0.13	0.23	pCi/g	GSS			=			
SEAARC2019SS064200	REG	Th-230	517.75	55.07	33.10	pCi/g	GSS			=			
SEAARC2019SS064200	REG	TH-232	0.91	0.13	0.23	pCi/g	GSS			=			
SEAARC2019SS064200	REG	U-235	3.59	0.40	0.78	pCi/g	GSS			=			
SEAARC2019SS064200	REG	U-238	37.51	3.90	3.42	pCi/g	GSS			=			
SEACOR0000SS120361	REG	Ac-227	-0.01		0.59	pCi/g	GSS	U		UJ	T04, T06		
SEACOR0000SS120361	REG	Am-241	-0.02		0.11	pCi/g	GSS	U		UJ	T04, T06		
SEACOR0000SS120361	REG	Cs-137	0.04		0.10	pCi/g	GSS	U		U	T04, T05		
SEACOR0000SS120361	REG	K-40	11.42	1.86	1.30	pCi/g	GSS			=			
SEACOR0000SS120361	REG	Pa-231	1.01		2.15	pCi/g	GSS	U		U	T04, T05		
SEACOR0000SS120361	REG	Ra-226	0.51	0.05	0.08	pCi/g	GSS			=			
SEACOR0000SS120361	REG	RA-228	0.60	0.08	0.13	pCi/g	GSS			=			
SEACOR0000SS120361	REG	TH-228	0.60	0.08	0.13	pCi/g	GSS			=			
SEACOR0000SS120361	REG	Th-230	6.09		11.70	pCi/g	GSS	U		U	T04, T05		
SEACOR0000SS120361	REG	TH-232	0.60	0.08	0.13	pCi/g	GSS			=			
SEACOR0000SS120361	REG	U-235	0.06		0.33	pCi/g	GSS	U		U	T04, T05		
SEACOR0000SS120361	REG	U-238	0.00		1.25	pCi/g	GSS	U		U	T04, T05		
SEACOR0000SS120721	REG	Ac-227	-0.14		0.49	pCi/g	GSS	U		UJ	T04, T06		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEACOR0000SS120721	REG	Am-241	-0.01		0.10	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0000SS120721	REG	Cs-137	0.05	0.03	0.04	pCi/g	GSS		=			
SEACOR0000SS120721	REG	K-40	5.93	1.20	1.20	pCi/g	GSS		=			
SEACOR0000SS120721	REG	Pa-231	1.28		1.73	pCi/g	GSS	U	U	T04, T05		
SEACOR0000SS120721	REG	Ra-226	0.45	0.05	0.07	pCi/g	GSS		=			
SEACOR0000SS120721	REG	RA-228	0.45	0.07	0.10	pCi/g	GSS		=			
SEACOR0000SS120721	REG	TH-228	0.45	0.07	0.10	pCi/g	GSS		=			
SEACOR0000SS120721	REG	Th-230	0.14		9.57	pCi/g	GSS	U	U	T04, T05		
SEACOR0000SS120721	REG	TH-232	0.45	0.07	0.10	pCi/g	GSS		=			
SEACOR0000SS120721	REG	U-235	0.03		0.29	pCi/g	GSS	U	U	T04, T05		
SEACOR0000SS120721	REG	U-238	0.84	0.31	0.61	pCi/g	GSS		=			
SEACOR0000SS120901	REG	Ac-227	0.25		0.52	pCi/g	GSS	U	U	T04, T05		
SEACOR0000SS120901	REG	Am-241	0.04		0.11	pCi/g	GSS	U	U	T04, T05		
SEACOR0000SS120901	REG	Cs-137	0.01		0.11	pCi/g	GSS	U	U	T04, T05		
SEACOR0000SS120901	REG	K-40	1.58	1.23	1.85	pCi/g	GSS	U	U	T05		
SEACOR0000SS120901	REG	Pa-231	1.87		2.29	pCi/g	GSS	U	U	T04, T05		
SEACOR0000SS120901	REG	Ra-226	0.15	0.04	0.07	pCi/g	GSS		=			
SEACOR0000SS120901	REG	RA-228	0.06		0.29	pCi/g	GSS	U	U	T04, T05		
SEACOR0000SS120901	REG	TH-228	0.06		0.29	pCi/g	GSS	U	U	T04, T05		
SEACOR0000SS120901	REG	Th-230	13.38		10.90	pCi/g	GSS	U	U	T04		
SEACOR0000SS120901	REG	TH-232	0.06		0.29	pCi/g	GSS	U	U	T04, T05		
SEACOR0000SS120901	REG	U-235	-0.27		0.28	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0000SS120901	REG	U-238	-0.49		1.07	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS060180	REG	Ac-227	4.88	0.41	0.52	pCi/g	GSS		=			
SEACOR0001SS060180	REG	Am-241	0.16		0.37	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS060180	REG	Cs-137	0.08	0.04	0.07	pCi/g	GSS		=			
SEACOR0001SS060180	REG	K-40	10.74	1.79	1.85	pCi/g	GSS		=			
SEACOR0001SS060180	REG	Pa-231	5.60	1.28	2.63	pCi/g	GSS		=			
SEACOR0001SS060180	REG	Ra-226	4.61	0.26	0.15	pCi/g	GSS		=			
SEACOR0001SS060180	REG	RA-228	0.96	0.13	0.23	pCi/g	GSS		=			
SEACOR0001SS060180	REG	TH-228	0.96	0.13	0.23	pCi/g	GSS		=			
SEACOR0001SS060180	REG	Th-230	161.03	18.96	22.40	pCi/g	GSS		=			
SEACOR0001SS060180	REG	TH-232	0.96	0.13	0.23	pCi/g	GSS		=			
SEACOR0001SS060180	REG	U-235	2.28	0.31	0.55	pCi/g	GSS		=			
SEACOR0001SS060180	REG	U-238	11.53	1.63	2.32	pCi/g	GSS		=			



Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEACOR0001SS060240	REG	Ac-227	10.82	0.84	0.86	pCi/g	GSS		=			
SEACOR0001SS060240	REG	Am-241	-0.02		0.64	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS060240	REG	Cs-137	-0.02		0.23	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS060240	REG	K-40	10.78	2.24	2.44	pCi/g	GSS		=			
SEACOR0001SS060240	REG	Pa-231	13.07	2.20	4.16	pCi/g	GSS		=			
SEACOR0001SS060240	REG	Ra-226	7.01	0.40	0.23	pCi/g	GSS		=			
SEACOR0001SS060240	REG	RA-228	0.67	0.16	0.32	pCi/g	GSS		=			
SEACOR0001SS060240	REG	TH-228	0.67	0.16	0.32	pCi/g	GSS		=			
SEACOR0001SS060240	REG	Th-230	328.14	36.61	39.80	pCi/g	GSS		=			
SEACOR0001SS060240	REG	TH-232	0.67	0.16	0.32	pCi/g	GSS		=			
SEACOR0001SS060240	REG	U-235	3.99	0.48	0.94	pCi/g	GSS		=			
SEACOR0001SS060240	REG	U-238	33.54	3.94	4.08	pCi/g	GSS		=			
SEACOR0001SS060960	REG	Ac-227	1.69	0.26	0.48	pCi/g	GSS		=			
SEACOR0001SS060960	REG	Am-241	0.17		0.31	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS060960	REG	Cs-137	0.10	0.05	0.10	pCi/g	GSS		=			
SEACOR0001SS060960	REG	K-40	13.86	2.42	2.75	pCi/g	GSS		=			
SEACOR0001SS060960	REG	Pa-231	1.96	1.18	2.42	pCi/g	GSS	U	U	T05		
SEACOR0001SS060960	REG	Ra-226	2.78	0.19	0.17	pCi/g	GSS		=			
SEACOR0001SS060960	REG	RA-228	0.96	0.15	0.27	pCi/g	GSS		=			
SEACOR0001SS060960	REG	TH-228	0.96	0.15	0.27	pCi/g	GSS		=			
SEACOR0001SS060960	REG	Th-230	62.05	11.39	17.80	pCi/g	GSS		=			
SEACOR0001SS060960	REG	TH-232	0.96	0.15	0.27	pCi/g	GSS		=			
SEACOR0001SS060960	REG	U-235	1.03		0.79	pCi/g	GSS	U	U	T04		
SEACOR0001SS060960	REG	U-238	5.35	1.13	1.85	pCi/g	GSS		=			
SEACOR0001SS120140	REG	Ac-227	3.04	0.35	0.48	pCi/g	GSS		=			
SEACOR0001SS120140	REG	Am-241	-0.14		0.32	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS120140	REG	Cs-137	0.10	0.05	0.08	pCi/g	GSS		=			
SEACOR0001SS120140	REG	K-40	12.34	1.84	1.75	pCi/g	GSS		=			
SEACOR0001SS120140	REG	Pa-231	2.78	1.07	2.46	pCi/g	GSS		=			
SEACOR0001SS120140	REG	Ra-226	4.61	0.25	0.16	pCi/g	GSS		=			
SEACOR0001SS120140	REG	RA-228	0.92	0.13	0.22	pCi/g	GSS		=			
SEACOR0001SS120140	REG	TH-228	0.92	0.13	0.22	pCi/g	GSS		=			
SEACOR0001SS120140	REG	Th-230	87.61	13.03	19.50	pCi/g	GSS		=			
SEACOR0001SS120140	REG	TH-232	0.92	0.13	0.22	pCi/g	GSS		=			
SEACOR0001SS120140	REG	U-235	1.63		0.91	pCi/g	GSS	U	U	T04		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEACOR0001SS120140	REG	U-238	5.01	1.09	2.02	pCi/g	GSS		=			
SEACOR0001SS120680	REG	Ac-227	0.60	0.23	0.49	pCi/g	GSS		=			
SEACOR0001SS120680	REG	Am-241	-0.13		0.30	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS120680	REG	Cs-137	0.11		0.24	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS120680	REG	K-40	3.89	2.44	3.71	pCi/g	GSS		=			
SEACOR0001SS120680	REG	Pa-231	5.25		5.22	pCi/g	GSS	U	U	T04		
SEACOR0001SS120680	REG	Ra-226	1.34	0.14	0.18	pCi/g	GSS		=			
SEACOR0001SS120680	REG	RA-228	0.46	0.14	0.28	pCi/g	GSS		=			
SEACOR0001SS120680	REG	TH-228	0.46	0.14	0.28	pCi/g	GSS		=			
SEACOR0001SS120680	REG	Th-230	24.80	9.20	17.40	pCi/g	GSS		=			
SEACOR0001SS120680	REG	TH-232	0.46	0.14	0.28	pCi/g	GSS		=			
SEACOR0001SS120680	REG	U-235	0.25		0.75	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS120680	REG	U-238	5.03	1.20	1.78	pCi/g	GSS		=			
SEACOR0001SS120780	REG	Ac-227	3.04	0.42	0.61	pCi/g	GSS		=			
SEACOR0001SS120780	REG	Am-241	-0.16		0.46	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS120780	REG	Cs-137	0.23		0.25	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS120780	REG	K-40	9.61	2.44	2.72	pCi/g	GSS		=			
SEACOR0001SS120780	REG	Pa-231	3.13	1.65	3.03	pCi/g	GSS		=			
SEACOR0001SS120780	REG	Ra-226	3.48	0.24	0.21	pCi/g	GSS		=			
SEACOR0001SS120780	REG	RA-228	0.58	0.15	0.29	pCi/g	GSS		=			
SEACOR0001SS120780	REG	TH-228	0.58	0.15	0.29	pCi/g	GSS		=			
SEACOR0001SS120780	REG	Th-230	85.23	20.25	28.70	pCi/g	GSS		=			
SEACOR0001SS120780	REG	TH-232	0.58	0.15	0.29	pCi/g	GSS		=			
SEACOR0001SS120780	REG	U-235	1.86	0.36	0.64	pCi/g	GSS		=			
SEACOR0001SS120780	REG	U-238	17.37	2.47	2.97	pCi/g	GSS		=			
SEACOR0001SS122060	REG	Ac-227	-0.12		0.75	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS122060	REG	Am-241	-0.11		0.15	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS122060	REG	Cs-137	0.06	0.03	0.05	pCi/g	GSS		=			
SEACOR0001SS122060	REG	K-40	7.84	1.43	1.53	pCi/g	GSS		=			
SEACOR0001SS122060	REG	Pa-231	1.72		2.38	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS122060	REG	Ra-226	1.15	0.08	0.09	pCi/g	GSS		=			
SEACOR0001SS122060	REG	RA-228	1.02	0.10	0.14	pCi/g	GSS		=			
SEACOR0001SS122060	REG	TH-228	1.02	0.10	0.14	pCi/g	GSS		=			
SEACOR0001SS122060	REG	Th-230	-3.80		14.80	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS122060	REG	TH-232	1.02	0.10	0.14	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEACOR0001SS122060	REG	U-235	-0.07		0.38	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS122060	REG	U-238	1.27	0.45	0.92	pCi/g	GSS		=			
SEACOR0001SS122160	REG	Ac-227	-0.29		1.10	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS122160	REG	Am-241	0.05		0.21	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS122160	REG	Cs-137	0.03		0.14	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS122160	REG	K-40	6.95	1.53	1.72	pCi/g	GSS		=			
SEACOR0001SS122160	REG	Pa-231	2.46		3.28	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS122160	REG	Ra-226	1.45	0.11	0.12	pCi/g	GSS		=			
SEACOR0001SS122160	REG	RA-228	1.38	0.15	0.18	pCi/g	GSS		=			
SEACOR0001SS122160	REG	TH-228	1.38	0.15	0.18	pCi/g	GSS		=			
SEACOR0001SS122160	REG	Th-230	0.78		20.10	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS122160	REG	TH-232	1.38	0.15	0.18	pCi/g	GSS		=			
SEACOR0001SS122160	REG	U-235	0.80		0.56	pCi/g	GSS	U	U	T04		
SEACOR0001SS122160	REG	U-238	1.35	0.59	1.25	pCi/g	GSS		=			
SEACOR0001SS140900	REG	Ac-227	-0.07		0.79	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS140900	REG	Am-241	-0.09		0.19	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS140900	REG	Cs-137	0.05		0.15	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS140900	REG	K-40	4.37	1.76	2.45	pCi/g	GSS		=			
SEACOR0001SS140900	REG	Pa-231	1.09		3.14	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS140900	REG	Ra-226	0.51	0.07	0.13	pCi/g	GSS		=			
SEACOR0001SS140900	REG	RA-228	0.41	0.10	0.19	pCi/g	GSS		=			
SEACOR0001SS140900	REG	TH-228	0.41	0.10	0.19	pCi/g	GSS		=			
SEACOR0001SS140900	REG	Th-230	8.21	5.20	10.90	pCi/g	GSS	U	U	T05		
SEACOR0001SS140900	REG	TH-232	0.41	0.10	0.19	pCi/g	GSS		=			
SEACOR0001SS140900	REG	U-235	0.00		0.50	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS140900	REG	U-238	0.91	0.53	1.13	pCi/g	GSS	U	U	T05		
SEACOR0001SS142280	DUP	Ac-227	-0.15		1.01	pCi/g	GSS	U			NC	NC
SEACOR0001SS142280	DUP	Am-241	-0.02		0.21	pCi/g	GSS	U			NC	NC
SEACOR0001SS142280	DUP	Cs-137	0.09		0.15	pCi/g	GSS	U			NC	NC
SEACOR0001SS142280	DUP	K-40	5.41	1.44	1.83	pCi/g	GSS				6.9%	OK
SEACOR0001SS142280	DUP	Pa-231	0.83		3.30	pCi/g	GSS	U			NC	NC
SEACOR0001SS142280	DUP	Ra-226	1.48	0.11	0.13	pCi/g	GSS				5.3%	OK
SEACOR0001SS142280	DUP	RA-228	1.37	0.15	0.19	pCi/g	GSS				2.3%	OK
SEACOR0001SS142280	DUP	TH-228	1.37	0.15	0.19	pCi/g	GSS				2.3%	OK
SEACOR0001SS142280	DUP	Th-230	9.89		21.30	pCi/g	GSS	U			NC	NC

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEACOR0001SS142280	DUP	TH-232	1.37	0.15	0.19	pCi/g	GSS				2.3%	OK
SEACOR0001SS142280	DUP	U-235	-0.32		0.55	pCi/g	GSS	U			NC	NC
SEACOR0001SS142280	DUP	U-238	1.63	0.60	1.26	pCi/g	GSS				7.1%	OK
SEACOR0001SS142280	REG	Ac-227	-0.27		1.07	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS142280	REG	Am-241	-0.15		0.21	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS142280	REG	Cs-137	0.20		0.15	pCi/g	GSS	U	U	T04		
SEACOR0001SS142280	REG	K-40	5.80	1.45	1.77	pCi/g	GSS		=			
SEACOR0001SS142280	REG	Pa-231	1.32		3.35	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS142280	REG	Ra-226	1.56	0.12	0.12	pCi/g	GSS		=			
SEACOR0001SS142280	REG	RA-228	1.40	0.15	0.18	pCi/g	GSS		=			
SEACOR0001SS142280	REG	TH-228	1.40	0.15	0.18	pCi/g	GSS		=			
SEACOR0001SS142280	REG	Th-230	14.12		20.90	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS142280	REG	TH-232	1.40	0.15	0.18	pCi/g	GSS		=			
SEACOR0001SS142280	REG	U-235	0.03		0.55	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS142280	REG	U-238	1.75	0.62	1.25	pCi/g	GSS		=			
SEACOR0001SS180420	REG	Ac-227	5.35	0.47	0.67	pCi/g	GSS		=			
SEACOR0001SS180420	REG	Am-241	-0.04		0.50	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0001SS180420	REG	Cs-137	0.10		0.23	pCi/g	GSS	U	U	T04, T05		
SEACOR0001SS180420	REG	K-40	12.84	2.42	2.53	pCi/g	GSS		=			
SEACOR0001SS180420	REG	Pa-231	6.01	1.61	3.32	pCi/g	GSS		=			
SEACOR0001SS180420	REG	Ra-226	5.24	0.31	0.21	pCi/g	GSS		=			
SEACOR0001SS180420	REG	RA-228	0.81	0.16	0.28	pCi/g	GSS		=			
SEACOR0001SS180420	REG	TH-228	0.81	0.16	0.28	pCi/g	GSS		=			
SEACOR0001SS180420	REG	Th-230	192.19	24.31	30.10	pCi/g	GSS		=			
SEACOR0001SS180420	REG	TH-232	0.81	0.16	0.28	pCi/g	GSS		=			
SEACOR0001SS180420	REG	U-235	3.53		1.38	pCi/g	GSS	U	U	T04		
SEACOR0001SS180420	REG	U-238	15.04	2.14	3.12	pCi/g	GSS		=			
SEACOR0002SS060180	REG	Ac-227	0.03		0.68	pCi/g	GSS	U	U	T04, T05		
SEACOR0002SS060180	REG	Am-241	0.14		0.15	pCi/g	GSS	U	U	T04, T05		
SEACOR0002SS060180	REG	Cs-137	0.03		0.10	pCi/g	GSS	U	U	T04, T05		
SEACOR0002SS060180	REG	K-40	6.35	1.30	1.42	pCi/g	GSS		=			
SEACOR0002SS060180	REG	Pa-231	3.59		2.45	pCi/g	GSS	U	U	T04		
SEACOR0002SS060180	REG	Ra-226	0.61	0.06	0.09	pCi/g	GSS		=			
SEACOR0002SS060180	REG	RA-228	0.57	0.09	0.14	pCi/g	GSS		=			
SEACOR0002SS060180	REG	TH-228	0.57	0.09	0.14	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation	Qualifier	Reason Code	RPD	NAD
SEACOR0002SS060180	REG	Th-230	6.94		14.70	pCi/g	GSS	U		U	T04, T05		
SEACOR0002SS060180	REG	TH-232	0.57	0.09	0.14	pCi/g	GSS			=			
SEACOR0002SS060180	REG	U-235	0.03		0.39	pCi/g	GSS	U		U	T04, T05		
SEACOR0002SS060180	REG	U-238	1.29	0.46	0.82	pCi/g	GSS			=			
SEACOR0002SS060900	REG	Ac-227	-0.23		0.42	pCi/g	GSS	U		UJ	T04, T06		
SEACOR0002SS060900	REG	Am-241	-0.01		0.09	pCi/g	GSS	U		UJ	T04, T06		
SEACOR0002SS060900	REG	Cs-137	0.05		0.08	pCi/g	GSS	U		U	T04, T05		
SEACOR0002SS060900	REG	K-40	9.25	1.24	0.34	pCi/g	GSS			=			
SEACOR0002SS060900	REG	Pa-231	0.48		1.64	pCi/g	GSS	U		U	T04, T05		
SEACOR0002SS060900	REG	Ra-226	0.35	0.04	0.06	pCi/g	GSS			=			
SEACOR0002SS060900	REG	RA-228	0.39	0.07	0.11	pCi/g	GSS			=			
SEACOR0002SS060900	REG	TH-228	0.39	0.07	0.11	pCi/g	GSS			=			
SEACOR0002SS060900	REG	Th-230	4.15		9.25	pCi/g	GSS	U		U	T04, T05		
SEACOR0002SS060900	REG	TH-232	0.39	0.07	0.11	pCi/g	GSS			=			
SEACOR0002SS060900	REG	U-235	-0.08		0.27	pCi/g	GSS	U		UJ	T04, T06		
SEACOR0002SS060900	REG	U-238	0.44	0.25	0.53	pCi/g	GSS	U		U	T05		
SEACOR0002SS170360	REG	Ac-227	-0.12		0.48	pCi/g	GSS	U		UJ	T04, T06		
SEACOR0002SS170360	REG	Am-241	0.04		0.11	pCi/g	GSS	U		U	T04, T05		
SEACOR0002SS170360	REG	Cs-137	0.04	0.02	0.04	pCi/g	GSS			=			
SEACOR0002SS170360	REG	K-40	6.48	1.01	1.09	pCi/g	GSS			=			
SEACOR0002SS170360	REG	Pa-231	1.40		1.71	pCi/g	GSS	U		U	T04, T05		
SEACOR0002SS170360	REG	Ra-226	0.64	0.05	0.07	pCi/g	GSS			=			
SEACOR0002SS170360	REG	RA-228	0.54	0.07	0.11	pCi/g	GSS			=			
SEACOR0002SS170360	REG	TH-228	0.54	0.07	0.11	pCi/g	GSS			=			
SEACOR0002SS170360	REG	Th-230	-10.66		9.89	pCi/g	GSS	U		UJ	T04, T06		
SEACOR0002SS170360	REG	TH-232	0.54	0.07	0.11	pCi/g	GSS			=			
SEACOR0002SS170360	REG	U-235	0.19		0.28	pCi/g	GSS	U		U	T04, T05		
SEACOR0002SS170360	REG	U-238	1.22	0.33	0.64	pCi/g	GSS			=			
SEACOR0002SS481800	REG	Ac-227	-0.06		0.72	pCi/g	GSS	U		UJ	T04, T06		
SEACOR0002SS481800	REG	Am-241	0.00		0.16	pCi/g	GSS	U		U	T04, T05		
SEACOR0002SS481800	REG	Cs-137	0.13		0.13	pCi/g	GSS	U		U	T04, T05		
SEACOR0002SS481800	REG	K-40	5.59	1.49	1.83	pCi/g	GSS			=			
SEACOR0002SS481800	REG	Pa-231	1.11		2.75	pCi/g	GSS	U		U	T04, T05		
SEACOR0002SS481800	REG	Ra-226	0.62	0.07	0.10	pCi/g	GSS			=			
SEACOR0002SS481800	REG	RA-228	0.40	0.09	0.15	pCi/g	GSS			=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEACOR0002SS481800	REG	TH-228	0.40	0.09	0.15	pCi/g	GSS		=			
SEACOR0002SS481800	REG	Th-230	-1.96		15.60	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0002SS481800	REG	TH-232	0.40	0.09	0.15	pCi/g	GSS		=			
SEACOR0002SS481800	REG	U-235	-0.05		0.41	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0002SS481800	REG	U-238	0.86	0.48	0.97	pCi/g	GSS	U	U	T05		
SEACOR0003	DUP	Ac-227	-0.40		1.33	pCi/g	GSS	U			NC	NC
SEACOR0003	DUP	Am-241	-0.10		0.25	pCi/g	GSS	U			NC	NC
SEACOR0003	DUP	Cs-137	-0.03		0.17	pCi/g	GSS	U			NC	NC
SEACOR0003	DUP	K-40	4.31	1.78	2.34	pCi/g	GSS				NC	1.65
SEACOR0003	DUP	Pa-231	0.10		3.90	pCi/g	GSS	U			NC	NC
SEACOR0003	DUP	Ra-226	1.17	0.12	0.14	pCi/g	GSS				10.2%	OK
SEACOR0003	DUP	RA-228	1.03	0.17	0.22	pCi/g	GSS				10.9%	OK
SEACOR0003	DUP	TH-228	1.03	0.17	0.22	pCi/g	GSS				10.9%	OK
SEACOR0003	DUP	Th-230	0.67		24.20	pCi/g	GSS	U			NC	NC
SEACOR0003	DUP	TH-232	1.03	0.17	0.22	pCi/g	GSS				10.9%	OK
SEACOR0003	DUP	U-235	-0.07		0.61	pCi/g	GSS	U			NC	NC
SEACOR0003	DUP	U-238	1.35	0.74	1.47	pCi/g	GSS	U			17.5%	OK
SEACOR0003	REG	Ac-227	-0.38		1.25	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003	REG	Am-241	0.27		0.27	pCi/g	GSS	U	U	T04		
SEACOR0003	REG	Cs-137	0.16		0.18	pCi/g	GSS	U	U	T04, T05		
SEACOR0003	REG	K-40	2.29	1.61	2.31	pCi/g	GSS	U	U	T05		
SEACOR0003	REG	Pa-231	3.30		4.10	pCi/g	GSS	U	U	T04, T05		
SEACOR0003	REG	Ra-226	1.05	0.11	0.15	pCi/g	GSS		=			
SEACOR0003	REG	RA-228	0.93	0.16	0.23	pCi/g	GSS		=			
SEACOR0003	REG	TH-228	0.93	0.16	0.23	pCi/g	GSS		=			
SEACOR0003	REG	Th-230	8.48		23.40	pCi/g	GSS	U	U	T04, T05		
SEACOR0003	REG	TH-232	0.93	0.16	0.23	pCi/g	GSS		=			
SEACOR0003	REG	U-235	-0.10		0.65	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003	REG	U-238	1.61	0.71	1.45	pCi/g	GSS		=			
SEACOR0003SS062400	REG	Ac-227	-0.70		0.52	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS062400	REG	Am-241	-0.01		0.11	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS062400	REG	Cs-137	0.05		0.09	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS062400	REG	K-40	8.97	1.10	0.42	pCi/g	GSS		=			
SEACOR0003SS062400	REG	Pa-231	-0.48		2.13	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS062400	REG	Ra-226	1.16	0.07	0.08	pCi/g	GSS		=			

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEACOR0003SS062400	REG	RA-228	1.04	0.10	0.12	pCi/g	GSS		=			
SEACOR0003SS062400	REG	TH-228	1.04	0.10	0.12	pCi/g	GSS		=			
SEACOR0003SS062400	REG	Th-230	-6.17		10.80	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS062400	REG	TH-232	1.04	0.10	0.12	pCi/g	GSS		=			
SEACOR0003SS062400	REG	U-235	0.03		0.32	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS062400	REG	U-238	1.30	0.36	0.69	pCi/g	GSS		=			
SEACOR0003SS122341	REG	Ac-227	0.00		1.09	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS122341	REG	Am-241	-0.02		0.22	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS122341	REG	Cs-137	-0.06		0.18	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS122341	REG	K-40	3.74	1.84	2.67	pCi/g	GSS		=			
SEACOR0003SS122341	REG	Pa-231	2.15		3.73	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS122341	REG	Ra-226	0.94	0.10	0.13	pCi/g	GSS		=			
SEACOR0003SS122341	REG	RA-228	0.68	0.13	0.24	pCi/g	GSS		=			
SEACOR0003SS122341	REG	TH-228	0.68	0.13	0.24	pCi/g	GSS		=			
SEACOR0003SS122341	REG	Th-230	12.74		21.80	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS122341	REG	TH-232	0.68	0.13	0.24	pCi/g	GSS		=			
SEACOR0003SS122341	REG	U-235	0.46		0.59	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS122341	REG	U-238	1.62	0.68	1.26	pCi/g	GSS		=			
SEACOR0003SS122461	REG	Ac-227	-0.12		0.81	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS122461	REG	Am-241	0.02		0.17	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS122461	REG	Cs-137	-0.02		0.14	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS122461	REG	K-40	2.64	1.32	1.88	pCi/g	GSS		=			
SEACOR0003SS122461	REG	Pa-231	4.01		2.90	pCi/g	GSS	U	U	T04		
SEACOR0003SS122461	REG	Ra-226	0.62	0.07	0.11	pCi/g	GSS		=			
SEACOR0003SS122461	REG	RA-228	0.56	0.10	0.15	pCi/g	GSS		=			
SEACOR0003SS122461	REG	TH-228	0.56	0.10	0.15	pCi/g	GSS		=			
SEACOR0003SS122461	REG	Th-230	-4.97		17.10	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS122461	REG	TH-232	0.56	0.10	0.15	pCi/g	GSS		=			
SEACOR0003SS122461	REG	U-235	0.05		0.40	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS122461	REG	U-238	0.92	0.49	1.01	pCi/g	GSS	U	U	T05		
SEACOR0003SS122581	REG	Ac-227	-0.05		0.94	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS122581	REG	Am-241	-0.06		0.18	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS122581	REG	Cs-137	0.03		0.14	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS122581	REG	K-40	3.92	1.33	1.79	pCi/g	GSS		=			
SEACOR0003SS122581	REG	Pa-231	2.41		2.86	pCi/g	GSS	U	U	T04, T05		

Exhibit E. On-Site Gamma Spectrometry Measurements

Sample ID	Type	Analyte	Result	Error	MDA	Units	Method	Lab Qualifier	Validation Qualifier	Reason Code	RPD	NAD
SEACOR0003SS122581	REG	Ra-226	0.93	0.08	0.10	pCi/g	GSS		=			
SEACOR0003SS122581	REG	RA-228	1.09	0.13	0.15	pCi/g	GSS		=			
SEACOR0003SS122581	REG	TH-228	1.09	0.13	0.15	pCi/g	GSS		=			
SEACOR0003SS122581	REG	Th-230	4.58		17.50	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS122581	REG	TH-232	1.09	0.13	0.15	pCi/g	GSS		=			
SEACOR0003SS122581	REG	U-235	0.07		0.46	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS122581	REG	U-238	1.74	0.59	1.08	pCi/g	GSS		=			
SEACOR0003SS122941	REG	Ac-227	-0.25		1.32	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS122941	REG	Am-241	0.07		0.26	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS122941	REG	Cs-137	0.19		0.21	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS122941	REG	K-40	2.52	1.65	2.36	pCi/g	GSS		=			
SEACOR0003SS122941	REG	Pa-231	3.26		4.21	pCi/g	GSS	U	U	T04, T05		
SEACOR0003SS122941	REG	Ra-226	1.17	0.12	0.16	pCi/g	GSS		=			
SEACOR0003SS122941	REG	RA-228	1.10	0.18	0.26	pCi/g	GSS		=			
SEACOR0003SS122941	REG	TH-228	1.10	0.18	0.26	pCi/g	GSS		=			
SEACOR0003SS122941	REG	Th-230	-14.85		25.20	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS122941	REG	TH-232	1.10	0.18	0.26	pCi/g	GSS		=			
SEACOR0003SS122941	REG	U-235	-0.54		0.65	pCi/g	GSS	U	UJ	T04, T06		
SEACOR0003SS122941	REG	U-238	1.66	0.80	1.38	pCi/g	GSS		=			

ATTACHMENT 2

(Material taken from Exhibit F from Technical Memorandum, Summer 2001 Subsurface Investigations at the Seaway Site – Areas A, B and C)

OFF-SITE LABORATORY RADIOLOGICAL RESULTS

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
CORO003SS122941	15-Aug-01 108137		AC-227	RAD	714R5		0.08	PC/G	LT	J			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		AC-228	RAD	713R6		1.59	0.34	PC/G				TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		AM-241	RAD	713R6		0.19	0.32	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		BI-212	RAD	713R6		1.73	0.86	PC/G				TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		BI-214	RAD	713R6		1.59	0.32	PC/G				TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		CO-60	RAD	713R6		0.027	0.05	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		CS-137	RAD	713R6		0.001	0.05	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		K-40	RAD	713R6		10.4	2.10	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		PA-231	RAD	713R6		0.9	1.90	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		PA-234M	RAD	713R6		6.2	8.90	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		PB-212	RAD	713R6		1.97	0.37	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		PB-214	RAD	713R6		1.86	0.35	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		RA-226	RAD	783R3		2.6	0.47	PC/G	J			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		TH-228	RAD	714R5		1.76	0.28	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		TH-229	RAD	714R5		2.26	0.64	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		TH-230	RAD	714R5		2.07	0.32	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		TH-232	RAD	714R5		1.83	0.20	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		TH-234	RAD	713R6		2	1.20	PC/G	TI			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		TL-208	RAD	713R6		0.89	0.13	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		TOTACTIV	RAD	704R5		11.3	4.20	PC/G	J			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		U-232	RAD	714R5		3.02	0.70	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		U-234	RAD	714R5		2.31	0.41	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		U-235	RAD	713R6		0.27	0.38	PC/G	U			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		U-235	RAD	714R5		0.31	0.10	PC/G	LT			TRUE	TRUE SOIL
CORO003SS122941	15-Aug-01 108137		U-238	RAD	714R5		1.98	0.36	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		AC-227	RAD	714R5		0.17	0.10	PC/G	LT			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		AC-228	RAD	713R6		1.66	0.38	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		AM-241	RAD	713R6		0.11	0.30	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		BI-212	RAD	713R6		2.35	0.83	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		BI-214	RAD	713R6		1.87	0.36	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		CO-60	RAD	713R6		-0.023	0.04	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		CS-137	RAD	713R6		-0.034	0.05	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		K-40	RAD	713R6		9.4	2.00	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		PA-231	RAD	713R6		-0.9	2.60	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		PA-234M	RAD	713R6		2.9	8.10	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		PB-212	RAD	713R6		1.96	0.36	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		PB-214	RAD	713R6		1.97	0.38	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		RA-226	RAD	783R3		1.61	0.40	PC/G	J			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		TH-228	RAD	714R5		1.67	0.27	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		TH-229	RAD	714R5		2	0.63	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		TH-230	RAD	714R5		2.09	0.32	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		TH-232	RAD	714R5		1.72	0.27	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		TH-234	RAD	713R6		1.8	1.10	PC/G	TI			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		TL-208	RAD	713R6		0.88	0.13	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		TOTACTIV	RAD	704R5		10.5	4.10	PC/G	J			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		U-232	RAD	714R5		3.05	0.69	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		U-234	RAD	714R5		1.83	0.33	PC/G	J			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		U-235	RAD	713R6		-0.1	0.20	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		U-235	RAD	714R5		0.164	0.07	PC/G	LT			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		U-238	RAD	714R5		2.05	0.36	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		AC-227	RAD	714R5		0.2	0.11	PC/G	LT			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		AC-228	RAD	713R6		1.23	0.37	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		AM-241	RAD	713R6		0.05	0.12	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		BI-212	RAD	713R6		1.8	1.20	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		BI-214	RAD	713R6		1.36	0.35	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		CO-60	RAD	713R6		0.08	0.10	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		CS-137	RAD	713R6		0.021	0.06	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		K-40	RAD	713R6		9	2.60	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		PA-231	RAD	713R6		-1.6	14.00	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		PA-234M	RAD	713R6		10	2.30	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		PB-212	RAD	713R6		1.7	0.36	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		PB-214	RAD	713R6		1.51	0.34	PC/G	U			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		RA-226	RAD	783R3		2.53	0.46	PC/G	J			TRUE	TRUE SOIL
CORO003SS122940	15-Aug-01 108137		TH-228	RAD	714R5		1.5	0.24	PC/G	U			TRUE	TRUE SOIL

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
CORO003SS122581	15-Aug-01 108137		TH-229	RAD	714R5	2.18	0.62	PCIG				TRUE	TRUE SOIL	
CORO003SS122581	15-Aug-01 108137		TH-230	RAD	714R5	1.93	0.29	PCIG				TRUE	TRUE SOIL	
CORO003SS122581	15-Aug-01 108137		TH-232	RAD	714R5	1.51	0.24	PCIG				TRUE	TRUE SOIL	
CORO003SS122581	15-Aug-01 108137		TH-234	RAD	713R6	1.85	0.97	PCIG				TRUE	TRUE SOIL	
CORO003SS122581	15-Aug-01 108137		TL-208	RAD	713R6	0.52	0.17	PCIG				TRUE	TRUE SOIL	
CORO003SS122581	15-Aug-01 108137		TOTACTIV	RAD	704R5	11.7	4.00	PCIG	J			TRUE	TRUE SOIL	
CORO003SS122581	15-Aug-01 108137		U-232	RAD	714R5	3.24	0.66	PCIG				TRUE	TRUE SOIL	
CORO003SS122581	15-Aug-01 108137		U-234	RAD	714R5	1.58	0.40	PCIG				TRUE	TRUE SOIL	
CORO003SS122581	15-Aug-01 108137		U-235	RAD	714R5	0.63	0.27	PCIG				TRUE	TRUE SOIL	
CORO003SS122581	15-Aug-01 108137		U-238	RAD	714R5	0.154	0.06	PCIG	LT			TRUE	TRUE SOIL	
CORO003SS122581	15-Aug-01 108137		AC-227	RAD	714R5	1.56	0.27	PCIG				TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		AC-228	RAD	714R5	0.058	0.07	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		AM-241	RAD	713R6	1.07	0.62	PCIG				TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		BI-214	RAD	713R6	0.04	0.17	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		CO-60	RAD	713R6	1.64	0.60	PCIG				TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		CS-137	RAD	713R6	-0.06	0.18	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		K-40	RAD	713R6	-0.18	0.16	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		PA-231	RAD	713R6	9.1	4.50	PCIG				TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		PA-234M	RAD	713R6	0.6	4.20	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		PB-212	RAD	713R6	19	27.00	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		RA-226	RAD	713R6	1.12	0.42	PCIG				TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		TH-228	RAD	783R3	2.04	0.40	PCIG	J			TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		TH-229	RAD	714R5	1.36	0.23	PCIG				TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		TH-230	RAD	714R5	2.23	0.63	PCIG				TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		TH-232	RAD	714R5	1.88	0.29	PCIG				TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		TH-234	RAD	714R5	1.51	0.24	PCIG				TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		TL-208	RAD	713R6	2.9	1.40	PCIG				TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		TOTACTIV	RAD	713R6	0.46	0.26	PCIG				TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		U-232	RAD	704R5	11.1	4.00	PCIG	J			TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		U-234	RAD	714R5	2.9	0.68	PCIG				TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		U-235	RAD	714R5	1.66	0.30	PCIG	J			TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		U-238	RAD	713R6	-0.13	0.56	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122580	15-Aug-01 108137		U-238	RAD	714R5	0.191	0.07	PCIG	LT			TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		AC-227	RAD	714R5	1.76	0.31	PCIG				TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		AC-228	RAD	713R6	0.14	0.11	PCIG	J			TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		AM-241	RAD	713R6	0.95	0.35	PCIG				TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		BI-214	RAD	713R6	0.04	0.12	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		CO-60	RAD	713R6	0.89	0.33	PCIG				TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		CS-137	RAD	713R6	0.01	0.11	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		K-40	RAD	713R6	0.074	0.10	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		PA-231	RAD	713R6	4.9	2.10	PCIG				TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		PA-234M	RAD	713R6	-3.2	2.40	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		PB-212	RAD	713R6	-2	16.00	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		PB-214	RAD	713R6	1	0.28	PCIG				TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		RA-226	RAD	783R3	1.2	0.32	PCIG				TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		TH-228	RAD	714R5	0.94	0.26	PCIG	LT			TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		TH-229	RAD	714R5	0.9	0.17	PCIG	LT			TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		TH-230	RAD	714R5	1.99	0.62	PCIG				TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		TH-232	RAD	714R5	1.43	0.23	PCIG				TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		TH-234	RAD	713R6	2	1.00	PCIG	LT			TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		TOTACTIV	RAD	704R5	9.8	4.60	PCIG	LT			TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		U-232	RAD	714R5	3.44	0.65	PCIG				TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		U-234	RAD	714R5	0.9	0.18	PCIG	LT			TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		U-235	RAD	713R6	-0.01	0.38	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122461	15-Aug-01 108137		U-238	RAD	714R5	0.081	0.04	PCIG	LT			TRUE	TRUE SOIL	
CORO003SS122460	15-Aug-01 108137		AC-227	RAD	714R5	0.93	0.18	PCIG	LT			TRUE	TRUE SOIL	
CORO003SS122460	15-Aug-01 108137		AC-228	RAD	713R6	0.058	0.09	PCIG	U			TRUE	TRUE SOIL	
CORO003SS122460	15-Aug-01 108137		AM-241	RAD	713R6	0.84	0.42	PCIG	TI			TRUE	TRUE SOIL	
CORO003SS122460	15-Aug-01 108137		BI-214	RAD	713R6	0.19	0.17	PCIG				TRUE	TRUE SOIL	
CORO003SS122460	15-Aug-01 108137		CO-60	RAD	713R6	0.91	0.39	PCIG				TRUE	TRUE SOIL	
CORO003SS122460	15-Aug-01 108137			RAD	713R6	0	0.11	PCIG	U			TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
CORO003SS122460	15-Aug-01 108137		CS-137	RAD	713R6	0.045	0.10	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		K-40	RAD	713R6	6.6	2.60	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		PA-231	RAD	713R6	-4.5	9.00	PCIG	U	UJ		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		PA-234M	RAD	713R6	-5	16.00	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		PB-212	RAD	713R6	1.13	0.32	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		PB-214	RAD	713R6	1.23	0.37	PCIG	U	J		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		RA-226	RAD	783R3	1.02	0.35	PCIG	U	J		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-228	RAD	714R5	1.02	0.18	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-229	RAD	714R5	2.38	0.61	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-230	RAD	714R5	1.52	0.23	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-232	RAD	714R5	1	0.16	PCIG	LT	LT		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-234	RAD	713R6	2.1	1.10	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TL-208	RAD	713R6	0.39	0.17	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TOTALCTV	RAD	704R5	8.5	4.00	PCIG	LT	LT		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		U-232	RAD	714R5	3.03	0.67	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		U-234	RAD	714R5	1.12	0.22	PCIG	U	J		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		U-235	RAD	713R6	0.05	0.47	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		U-235	RAD	714R5	0.108	0.05	PCIG	LT	LT		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		U-238	RAD	714R5	1.1	0.21	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		AC-227	RAD	714R5	0.117	0.08	PCIG	LT	J		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		AC-228	RAD	713R6	1.27	0.51	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		AM-241	RAD	713R6	0.01	0.18	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		BI-214	RAD	713R6	1.52	0.44	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		CO-60	RAD	713R6	-0.102	0.10	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		CS-137	RAD	713R6	-0.03	0.11	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		K-40	RAD	713R6	7.3	2.70	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		PA-231	RAD	713R6	-2.7	3.50	PCIG	U	UJ		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		PA-234M	RAD	713R6	20	19.00	PCIG	TI	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		PB-212	RAD	713R6	1.44	0.36	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		PB-214	RAD	713R6	1.35	0.38	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		RA-226	RAD	783R3	1.31	0.32	PCIG	U	J		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-228	RAD	714R5	0.95	0.16	PCIG	LT	LT		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-229	RAD	714R5	2.27	0.61	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-230	RAD	714R5	2.23	0.32	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-232	RAD	714R5	0.95	0.16	PCIG	LT	LT		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-234	RAD	713R6	1.8	1.20	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TL-208	RAD	713R6	0.39	0.17	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TOTALCTV	RAD	704R5	6.6	4.30	PCIG	U	J		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		U-232	RAD	714R5	3.35	0.68	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		U-234	RAD	714R5	0.94	0.19	PCIG	LT	J		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		U-235	RAD	713R6	-0.11	0.51	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		U-235	RAD	714R5	0.094	0.05	PCIG	LT	LT		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		U-238	RAD	714R5	1.07	0.21	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		AC-227	RAD	714R5	0.23	0.11	PCIG	LT	J		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		AC-228	RAD	713R6	1.4	1.10	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		AM-241	RAD	713R6	-0.04	0.22	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		BI-214	RAD	713R6	1.2	0.62	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		CO-60	RAD	713R6	0.05	0.24	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		CS-137	RAD	713R6	0.11	0.21	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		K-40	RAD	713R6	4.7	4.10	PCIG	U	UJ		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		PA-231	RAD	713R6	1	6.10	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		PA-234M	RAD	713R6	12	40.00	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		PB-212	RAD	713R6	1.11	0.50	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		PB-214	RAD	713R6	1.38	0.53	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		RA-226	RAD	783R3	1.12	0.41	PCIG	U	J		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-228	RAD	714R5	1.16	0.20	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-229	RAD	714R5	2.49	0.61	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-230	RAD	714R5	2.76	0.39	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-232	RAD	714R5	1.08	0.17	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TH-234	RAD	713R6	1.3	1.30	PCIG	TI	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TL-208	RAD	713R6	0.51	0.34	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		TOTALCTV	RAD	704R5	11	4.50	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		U-232	RAD	714R5	2.91	0.70	PCIG	U	U		TRUE	TRUE	SOIL
CORO003SS122460	15-Aug-01 108137		U-234	RAD	714R5	1.56	0.30	PCIG	U	J		TRUE	TRUE	SOIL

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
CORO0025S122340	15-Aug-01 108177	U-235	U-235	RAD	71396	0.59	0.85	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S122340	15-Aug-01 108177	U-238	U-238	RAD	71495	1.51	0.29	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	AC-227	AC-227	RAD	71495	0.27	0.12	PCIG	LT	J		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	AC-228	AC-228	RAD	71396	0.47	0.19	PCIG	LT	J		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	AM-241	AM-241	RAD	71396	-0.31	0.26	PCIG	U	UU		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	BI-214	BI-214	RAD	71396	0.65	0.19	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	CO-60	CO-60	RAD	71396	0.015	0.04	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	CS-137	CS-137	RAD	71396	0.025	0.04	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	K-40	K-40	RAD	71396	7.7	1.70	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	PA-231	PA-231	RAD	71396	0	1.50	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	PA-234M	PA-234M	RAD	71396	-0.3	7.50	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	PB-212	PB-212	RAD	71396	0.55	0.14	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	PB-214	PB-214	RAD	71396	0.88	0.16	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	RA-226	RA-226	RAD	78393	1.73	0.57	PCIG	LT	J		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	TH-228	TH-228	RAD	71495	0.49	0.11	PCIG	LT	J		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	TH-229	TH-229	RAD	71495	2.76	0.61	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	TH-230	TH-230	RAD	71495	1.92	0.28	PCIG	LT	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	TH-232	TH-232	RAD	71495	0.434	0.09	PCIG	LT	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	TH-234	TH-234	RAD	71396	0.85	0.97	PCIG	TI	J		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	TL-208	TL-208	RAD	71396	0.129	0.06	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	TOTACTIV	TOTACTIV	RAD	70495	11.4	4.30	PCIG	U	J		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	U-232	U-232	RAD	71495	2.81	0.69	PCIG	LT	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	U-234	U-234	RAD	71495	0.63	0.15	PCIG	LT	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	U-235	U-235	RAD	71396	-0.06	0.30	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	U-235	U-235	RAD	71495	0.075	0.05	PCIG	LT	U		TRUE	TRUE SOIL	
CORO0025S481800	18-Aug-01 108177	U-238	U-238	RAD	71495	0.74	0.17	PCIG	LT	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	AC-227	AC-227	RAD	71495	0.33	0.12	PCIG	LT	J		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	AC-228	AC-228	RAD	71396	0.26	0.18	PCIG	LT	J		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	AM-241	AM-241	RAD	71396	0.035	0.10	PCIG	U	UU		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	BI-214	BI-214	RAD	71396	0.54	0.20	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	CO-60	CO-60	RAD	71396	0.031	0.05	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	CS-137	CS-137	RAD	71396	0.048	0.07	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	K-40	K-40	RAD	71396	7.7	2.10	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	PA-231	PA-231	RAD	71396	-1.9	1.70	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	PA-234M	PA-234M	RAD	71396	5.1	8.00	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	PB-212	PB-212	RAD	71396	0.47	0.14	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	RA-226	RA-226	RAD	78393	1.02	0.16	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	TH-228	TH-228	RAD	71495	0.62	0.25	PCIG	LT	J		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	TH-229	TH-229	RAD	71495	3.07	0.60	PCIG	LT	J		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	TH-230	TH-230	RAD	71495	1.62	0.24	PCIG	LT	J		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	TH-232	TH-232	RAD	71495	0.539	0.10	PCIG	LT	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	TH-234	TH-234	RAD	71396	0.54	0.75	PCIG	U	UU		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	TL-208	TL-208	RAD	71396	0.133	0.09	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	TOTACTIV	TOTACTIV	RAD	70495	10.7	4.20	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	U-232	U-232	RAD	71495	3.07	0.67	PCIG	LT	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	U-234	U-234	RAD	71495	0.85	0.18	PCIG	LT	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	U-235	U-235	RAD	71396	0.22	0.27	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	U-235	U-235	RAD	71495	0.041	0.03	PCIG	LT	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	U-238	U-238	RAD	71495	0.6	0.14	PCIG	LT	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	AC-227	AC-227	RAD	71495	0.35	0.16	PCIG	LT	J		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	AC-228	AC-228	RAD	71396	1.59	0.40	PCIG	LT	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	AM-241	AM-241	RAD	71396	0.12	0.13	PCIG	TI	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	BI-212	BI-212	RAD	71396	1.3	1.30	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	BI-214	BI-214	RAD	71396	1.87	0.43	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	CO-60	CO-60	RAD	71396	0	0.06	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	CS-137	CS-137	RAD	71396	0.047	0.08	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	K-40	K-40	RAD	71396	9.8	2.50	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	PA-231	PA-231	RAD	71396	-1.8	2.40	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	PA-234M	PA-234M	RAD	71396	0	11.00	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	PB-212	PB-212	RAD	71396	1.99	0.40	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	PB-214	PB-214	RAD	71396	1.84	0.37	PCIG	U	U		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	RA-226	RA-226	RAD	78393	1.21	0.27	PCIG	J	J		TRUE	TRUE SOIL	
CORO0025S120360	18-Aug-01 108177	TH-228	TH-228	RAD	71495	2.07	0.33	PCIG	U	U		TRUE	TRUE SOIL	

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COR0002S5060900	15-Aug-01 108170	TH-229		RAD	714R5	1.85	0.64	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108170	TH-230		RAD	714R5	2.97	0.41	PCIG	J			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108170	TH-232		RAD	714R5	1.98	0.31	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108170	TH-234		RAD	713R6	2.02	0.92	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108170	TL-208		RAD	713R6	0.51	0.15	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108170	TOTAL		RAD	704R5	13.8	4.40	PCIG	J			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108170	U-232		RAD	714R5	2.48	0.69	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108170	U-234		RAD	714R5	1.57	0.29	PCIG	J			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108170	U-235		RAD	713R6	0.26	0.39	PCIG	U			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108170	U-236		RAD	714R5	0.164	0.07	PCIG	LT			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108170	U-238		RAD	714R5	1.64	0.30	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108170	AC-227		RAD	714R5	0.38	0.12	PCIG	LT			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	AC-228		RAD	713R6	0.22	0.25	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	AM-241		RAD	713R6	-0.008	0.08	PCIG	U			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	Bi-214		RAD	713R6	0.48	0.20	PCIG	U			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	CO-60		RAD	713R6	-0.009	0.06	PCIG	U			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	CS-137		RAD	713R6	0.023	0.06	PCIG	U			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	K-40		RAD	713R6	7.7	2.20	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	PA-231		RAD	713R6	-1	1.50	PCIG	U			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	PA-234M		RAD	713R6	3	11.00	PCIG	U			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	PB-212		RAD	713R6	0.43	0.15	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	PB-214		RAD	713R6	0.41	0.15	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	RA-226		RAD	783R3	1.38	0.30	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	TH-228		RAD	714R5	0.466	0.09	PCIG	LT			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	TH-229		RAD	714R5	3.26	0.59	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	TH-230		RAD	714R5	2.01	0.28	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	TH-232		RAD	714R5	0.503	0.09	PCIG	LT			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	TH-234		RAD	713R6	0.66	0.56	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	TL-208		RAD	713R6	0.13	0.08	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	TOTAL		RAD	704R5	9.2	4.10	PCIG	LT			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	U-232		RAD	714R5	2.87	0.71	PCIG				TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	U-234		RAD	714R5	0.84	0.19	PCIG	LT			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	U-235		RAD	713R6	-0.08	0.26	PCIG	U			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	U-236		RAD	714R5	0.051	0.04	PCIG	LT			TRUE	TRUE	SOIL
COR0002S5060900	15-Aug-01 108177	U-238		RAD	714R5	0.74	0.18	PCIG	LT			TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	AC-227		RAD	714R5	7	1.00	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	AC-228		RAD	713R6	0.9	0.37	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	AM-241		RAD	713R6	0.04	0.76	PCIG	U			TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	Bi-214		RAD	713R6	6.6	1.20	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	CO-60		RAD	713R6	-0.09	0.14	PCIG	U			TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	CS-137		RAD	713R6	0.03	0.12	PCIG	U			TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	K-40		RAD	713R6	16.9	4.10	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	PA-231		RAD	713R6	1.5	6.00	PCIG	U			TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	PA-234M		RAD	713R6	30	32.00	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	PB-212		RAD	713R6	0.85	0.28	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	PB-214		RAD	713R6	9.1	1.60	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	RA-226		RAD	783R3	12.1	1.40	PCIG	J			TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	TH-227		RAD	713R6	9.7	2.00	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	TH-228		RAD	714R5	0.86	0.17	PCIG	LT			TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	TH-229		RAD	714R5	2.07	0.63	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	TH-230		RAD	714R5	1.67	21.00	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	TH-232		RAD	713R6	1.09	0.18	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	TH-234		RAD	713R6	15.7	3.70	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	TOTAL		RAD	704R5	260	27.00	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	U-232		RAD	714R5	13.5	2.60	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	U-234		RAD	714R5	15.4	2.30	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	U-235		RAD	713R6	3.3	1.00	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	U-236		RAD	714R5	0.68	0.25	PCIG	LT			TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	U-238		RAD	714R5	14.6	2.20	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	AC-227		RAD	714R5	0.21	0.13	PCIG	LT			TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	AC-228		RAD	713R6	1.49	0.31	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	AM-241		RAD	713R6	0.18	0.30	PCIG	U			TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	Bi-212		RAD	713R6	1.66	0.82	PCIG				TRUE	TRUE	SOIL
COR0001SS180420	16-Aug-01 108137	Bi-214		RAD	713R6	1.63	0.33	PCIG				TRUE	TRUE	SOIL

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COR0001SS142280	16-Aug-01 108137		CO-60	RAD	713R6	0.013	0.05	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		CS-137	RAD	713R6	0.051	0.05	PCIG	TI			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		K-40	RAD	713R6		10	2.00	PCIG			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		PA-231	RAD	713R6	0.6	1.30	PCIG	U	UJ		TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		PA-234M	RAD	713R6	3.9	7.60	PCIG	U	U		TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		PB-212	RAD	713R6	1.87	0.35	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		PB-214	RAD	713R6	1.86	0.35	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		RA-226	RAD	713R6	1.55	0.33	PCIG	U	J		TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		TH-228	RAD	714R5	1.84	0.30	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		TH-229	RAD	714R5	2	0.63	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		TH-230	RAD	714R5	2.19	0.33	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		TH-232	RAD	714R5	1.69	0.28	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		TH-234	RAD	713R6	1.52	0.59	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		TL-208	RAD	713R6	0.53	0.12	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		TOTACTIV	RAD	704R5	10.8	4.00	PCIG	J	J		TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		U-232	RAD	714R5	3.08	0.66	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		U-234	RAD	714R5	1.79	0.30	PCIG	J	J		TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		U-235	RAD	713R6	0.05	0.36	PCIG	U	U		TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		U-235	RAD	714R5	0.98	0.07	PCIG	LT			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		U-238	RAD	714R5	1.18	0.33	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142280	16-Aug-01 108137		U-238	RAD	714R5	0.18	0.12	PCIG	LT	J		TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		AC-228	RAD	713R6	1.25	0.41	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		AM-241	RAD	713R6	-0.03	0.15	PCIG	U	U		TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		BI-214	RAD	713R6	1.64	0.48	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		CO-60	RAD	713R6	-0.02	0.10	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		CS-137	RAD	713R6	0.07	0.11	PCIG	U	U		TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		K-40	RAD	713R6	12.6	3.60	PCIG	U	UJ		TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		PA-231	RAD	713R6	-0.9	17.00	PCIG	U	UJ		TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		PA-234M	RAD	713R6	-2	17.00	PCIG	U	U		TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		PB-212	RAD	713R6	1.52	0.37	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		PB-214	RAD	713R6	1.63	0.38	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		RA-226	RAD	783R3	1.71	0.33	PCIG	J	J		TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		CS-137	RAD	714R5	1.19	0.21	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		TH-228	RAD	714R5	2.14	0.62	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		TH-229	RAD	714R5	5.74	0.78	PCIG	U	UJ		TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		TH-230	RAD	714R5	-2	17.00	PCIG	U	U		TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		TH-232	RAD	714R5	1.27	0.20	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		TH-234	RAD	713R6	1.67	0.87	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		TL-208	RAD	713R6	0.43	0.16	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		TOTACTIV	RAD	704R5	16.1	4.50	PCIG	J	J		TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		U-232	RAD	714R5	3.23	0.66	PCIG	U			TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		U-234	RAD	714R5	1.75	0.30	PCIG	J	J		TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		U-235	RAD	713R6	0.03	0.46	PCIG	U	U		TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		U-235	RAD	714R5	0.194	0.07	PCIG	LT			TRUE	TRUE SOIL	
COR0001SS142060	16-Aug-01 108137		U-238	RAD	714R5	1.67	0.28	PCIG	U			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		AC-227	RAD	714R5	0.37	0.13	PCIG	LT	J		TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		AC-228	RAD	713R6	0.43	0.46	PCIG	U			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		AM-241	RAD	713R6	-0.07	0.14	PCIG	U	U		TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		BI-214	RAD	713R6	0.75	0.36	PCIG	U			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		CO-60	RAD	713R6	0.02	0.12	PCIG	U			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		CS-137	RAD	713R6	1.12	0.11	PCIG	TI			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		K-40	RAD	713R6	11.2	3.60	PCIG	U	UJ		TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		PA-231	RAD	713R6	-0.7	2.90	PCIG	U	UJ		TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		PA-234M	RAD	713R6	9	22.00	PCIG	U	U		TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		PB-212	RAD	713R6	0.44	0.23	PCIG	U			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		PB-214	RAD	713R6	1.07	0.33	PCIG	U			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		RA-226	RAD	783R3	0.7	0.19	PCIG	LT	J		TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		TH-228	RAD	714R5	0.38	0.10	PCIG	LT			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		TH-229	RAD	714R5	2.38	0.61	PCIG	U			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		TH-230	RAD	714R5	8.8	1.20	PCIG	U			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		TH-232	RAD	714R5	0.47	0.09	PCIG	LT			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		TH-234	RAD	713R6	0.6	1.10	PCIG	U			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		TOTACTIV	RAD	704R5	24.2	5.90	PCIG	U			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		U-232	RAD	714R5	2.96	0.68	PCIG	U			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137		U-234	RAD	714R5	1.25	0.24	PCIG	J	J		TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
COR0001SS140900	16-Aug-01 108137	U-235	U-235	RAD	713R6	-0.33	0.51 PCIG	U	U			TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137	U-235	U-235	RAD	714R5	0.24	0.25 PCIG					TRUE	TRUE SOIL	
COR0001SS140900	16-Aug-01 108137	U-238	U-238	RAD	714R5	1.29	0.25 PCIG					TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	AC-227	AC-227	RAD	714R5	3.08	0.51 PCIG					TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	AC-228	AC-228	RAD	713R6	0.6	0.28 PCIG					TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	AW-241	AW-241	RAD	713R6	0.19	0.19 PCIG	TI				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	BI-214	BI-214	RAD	713R6	4.64	0.88 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	CO-60	CO-60	RAD	713R6	-0.01	0.09 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	CS-137	CS-137	RAD	713R6	0.12	0.10 PCIG	TI				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	K-40	K-40	RAD	713R6	12.4	3.10 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	PA-231	PA-231	RAD	713R6	3.3	2.70 PCIG	J				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	PA-234M	PA-234M	RAD	713R6	13	16.00 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	PB-212	PB-212	RAD	713R6	0.9	0.24 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	PB-214	PB-214	RAD	713R6	6.1	1.10 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	RA-226	RA-226	RAD	783R3	10	1.20 PCIG	J				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TH-227	TH-227	RAD	713R6	3.46	0.96 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TH-228	TH-228	RAD	714R5	0.86	0.17 PCIG	LT				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TH-229	TH-229	RAD	714R5	2.45	0.63 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TH-230	TH-230	RAD	714R5	69.4	9.00 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TH-232	TH-232	RAD	714R5	1.02	0.18 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TH-234	TH-234	RAD	713R6	3.2	1.10 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TL-208	TL-208	RAD	713R6	0.27	0.13 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TOTACTIV	TOTACTIV	RAD	704R5	109	12.00 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	U-232	U-232	RAD	714R5	3.3	0.65 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	U-234	U-234	RAD	714R5	4.4	0.65 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	U-235	U-235	RAD	714R5	0.264	0.08 PCIG	LT				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	U-238	U-238	RAD	713R6	1.5	0.77 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	AC-227	AC-227	RAD	714R5	4.17	0.62 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	AC-228	AC-228	RAD	714R5	0.076	0.06 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	AC-228	AC-228	RAD	713R6	0.45	0.22 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	AW-241	AW-241	RAD	713R6	-0.035	0.07 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	BI-214	BI-214	RAD	713R6	0.21	0.14 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	CO-60	CO-60	RAD	713R6	0.041	0.05 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	CS-137	CS-137	RAD	713R6	0.062	0.06 PCIG	TI				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	K-40	K-40	RAD	713R6	7.6	2.00 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	PA-231	PA-231	RAD	713R6	-0.7	1.40 PCIG	U				UU	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	PA-234M	PA-234M	RAD	713R6	1.8	6.80 PCIG	U				U	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	PB-212	PB-212	RAD	713R6	0.24	0.10 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	PB-214	PB-214	RAD	713R6	0.25	0.10 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	RA-226	RA-226	RAD	783R3	0.35	0.17 PCIG	LT				J	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TH-228	TH-228	RAD	714R5	0.359	0.08 PCIG	LT				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TH-229	TH-229	RAD	714R5	2.66	0.61 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TH-230	TH-230	RAD	714R5	0.75	0.13 PCIG	LT				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TH-232	TH-232	RAD	714R5	0.289	0.07 PCIG	LT				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TH-234	TH-234	RAD	713R6	0.53	0.44 PCIG	TI				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	TL-208	TL-208	RAD	713R6	0.09	0.05 PCIG	U				UU	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	U-232	U-232	RAD	704R5	2.7	3.70 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	U-234	U-234	RAD	714R5	0.43	0.11 PCIG	LT				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	U-235	U-235	RAD	713R6	0.05	0.24 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	U-238	U-238	RAD	714R5	0.037	0.03 PCIG	LT				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	AC-227	AC-227	RAD	714R5	0.346	0.10 PCIG	LT				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	AC-228	AC-228	RAD	713R6	2.86	0.51 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	AW-241	AW-241	RAD	713R6	0.44	0.30 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	BI-214	BI-214	RAD	713R6	2.65	0.58 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	CO-60	CO-60	RAD	713R6	-0.055	0.62 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	CS-137	CS-137	RAD	713R6	-0.017	0.07 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	K-40	K-40	RAD	713R6	12.8	2.80 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	PA-231	PA-231	RAD	713R6	10.1	3.30 PCIG	TI				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	PA-234M	PA-234M	RAD	713R6	21	15.00 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	PB-212	PB-212	RAD	713R6	0.91	0.23 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	PB-214	PB-214	RAD	713R6	5.01	0.88 PCIG	U				TRUE	TRUE SOIL	
COR0001SS140140	16-Aug-01 108137	RA-226	RA-226	RAD	783R3	4.26	0.62 PCIG	J				TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
COR0001SS120780	16-Aug-01 108137		TH-227	RAD	713R6	3.86	0.96	PCIG				TRUE	TRUE SOIL	
COR0001SS120780	16-Aug-01 108137		TH-228	RAD	714R5	0.82	0.17	PCIG	LT			TRUE	TRUE SOIL	
COR0001SS120780	16-Aug-01 108137		TH-229	RAD	714R5	1.87	0.65	PCIG				TRUE	TRUE SOIL	
COR0001SS120780	16-Aug-01 108137		TH-230	RAD	714R5	73	9.70	PCIG				TRUE	TRUE SOIL	
COR0001SS120780	16-Aug-01 108137		TH-232	RAD	714R5	0.79	0.15	PCIG	LT			TRUE	TRUE SOIL	
COR0001SS120780	16-Aug-01 108137		TH-234	RAD	713R6	20.7	4.10	PCIG				TRUE	TRUE SOIL	
COR0001SS120780	16-Aug-01 108137		TL-208	RAD	713R6	0.2	0.10	PCIG				TRUE	TRUE SOIL	
COR0001SS120780	16-Aug-01 108137		TOTALTIV	RAD	704R5	153	16.00	PCIG				TRUE	TRUE SOIL	
COR0001SS120780	16-Aug-01 108137		U-232	RAD	714R5	12.8	2.70	PCIG				TRUE	TRUE SOIL	
COR0001SS120780	16-Aug-01 108137		U-234	RAD	714R5	15.5	2.40	PCIG				TRUE	TRUE SOIL	
COR0001SS120780	16-Aug-01 108137		U-235	RAD	714R5	0.68	0.27	PCIG	LT			TRUE	TRUE SOIL	
COR0001SS120780	16-Aug-01 108137		U-238	RAD	713R6	2.03	0.70	PCIG				TRUE	TRUE SOIL	
COR0001SS120780	16-Aug-01 108137		U-239	RAD	714R5	16.7	2.60	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		AC-227	RAD	714R5	0.98	0.22	PCIG	LT	J		TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		AC-228	RAD	713R6	1.9	1.60	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		AM-241	RAD	713R6	-0.52	0.39	PCIG	U	UU		TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		CO-60	RAD	713R6	0.32	0.56	PCIG	U			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		CS-137	RAD	713R6	-0.15	0.43	PCIG	U			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		K-40	RAD	713R6	5.3	7.10	PCIG	U			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		PA-231	RAD	713R6	0	11.00	PCIG	U	UU		TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		PA-234M	RAD	713R6	31	81.00	PCIG	U			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		PB-214	RAD	783R3	4.49	0.67	PCIG	U			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		RA-226	RAD	714R5	0.5	0.12	PCIG	LT	J		TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TH-228	RAD	714R5	2.2	0.62	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TH-229	RAD	714R5	20.9	2.70	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TH-230	RAD	714R5	0.59	0.12	PCIG	LT			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TH-232	RAD	713R6	9.6	4.00	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TH-234	RAD	704R5	50.6	7.20	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TOTALTIV	RAD	714R5	2.94	0.67	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		U-232	RAD	713R6	3.16	0.50	PCIG	U			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		U-234	RAD	713R6	0.9	1.40	PCIG	U			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		U-235	RAD	714R5	0.173	0.07	PCIG	LT			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		U-238	RAD	714R5	3.04	0.49	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		U-239	RAD	714R5	1.6	0.30	PCIG	J			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		AC-227	RAD	713R6	1.09	0.59	PCIG	U			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		AC-228	RAD	713R6	-0.35	0.59	PCIG	U			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		AM-241	RAD	713R6	2.3	0.55	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		BI-214	RAD	713R6	0	0.14	PCIG	U			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		CO-60	RAD	713R6	0.1	0.12	PCIG	U			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		CS-137	RAD	713R6	12.2	3.40	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		K-40	RAD	713R6	2.7	3.80	PCIG	U	UU		TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		PA-231	RAD	713R6	18	21.00	PCIG	TI			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		PA-234M	RAD	713R6	1	0.30	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		PB-212	RAD	713R6	2.46	0.51	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		PB-214	RAD	783R3	2.88	0.58	PCIG	Y1	J		TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		RA-226	RAD	713R6	0.93	0.60	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TH-227	RAD	714R5	0.69	0.13	PCIG	LT			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TH-228	RAD	714R5	2.28	0.62	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TH-229	RAD	714R5	38.8	5.00	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TH-230	RAD	714R5	0.86	0.15	PCIG	LT			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TH-232	RAD	713R6	2.5	1.90	PCIG	TI			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TH-234	RAD	713R6	0.2	0.13	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TL-208	RAD	704R5	81.5	7.70	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		TOTALTIV	RAD	714R5	3.51	0.65	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		U-232	RAD	714R5	3.99	0.54	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		U-234	RAD	713R6	0.78	0.67	PCIG	TI			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		U-235	RAD	714R5	0.184	0.06	PCIG	LT			TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		U-238	RAD	714R5	3.54	0.54	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		AC-227	RAD	714R5	14	1.90	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		AC-228	RAD	713R6	1.88	0.55	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		AM-241	RAD	713R6	0.31	0.29	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		BI-214	RAD	713R6	10.6	2.50	PCIG				TRUE	TRUE SOIL	
COR0001SS120680	16-Aug-01 108137		CO-60	RAD	713R6	0.02	0.12	PCIG	U			TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
COR0001SS060240	16-Aug-01 108137		CS-137	RAD	713R6	0.07	0.12	PCIG	U	U		TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	K-40		RAD	713R6	16.2	3.90	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	PA-231		RAD	713R6	22.3	5.20	PCIG	J	J		TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	PA-234M		RAD	713R6	55	30.00	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	PB-212		RAD	713R6	1.06	0.32	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	PB-214		RAD	713R6	14.3	2.50	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	RA-226		RAD	783R3	20.3	2.20	PCIG	Y1	J		TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	TH-227		RAD	713R6	15.6	3.00	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	TH-228		RAD	714R5	0.98	0.17	PCIG	LT			TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	TH-229		RAD	714R5	2.09	0.63	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	TH-230		RAD	714R5	378	49.00	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	TH-232		RAD	714R5	1.42	0.23	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	TH-234		RAD	713R6	32.4	6.10	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	TL-208		RAD	713R6	0.32	0.14	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	TOTACTIV		RAD	704R5	539	55.00	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	U-232		RAD	714R5	60.9	14.00	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	U-234		RAD	714R5	31.4	5.90	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	U-235		RAD	714R5	2.9	1.30	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	U-238		RAD	713R6	10.6	2.20	PCIG				TRUE	TRUE	SOIL
COR0001SS060240	16-Aug-01 108137	U-238		RAD	714R5	37.2	6.70	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	AC-227		RAD	714R5	4.63	0.70	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	AM-241		RAD	713R6	0.7	0.25	PCIG	TI			TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	BI-214		RAD	713R6	5.5	1.00	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	CO-60		RAD	713R6	0.023	0.09	PCIG	U			TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	CS-137		RAD	713R6	-0.05	0.10	PCIG	U	U		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	K-40		RAD	713R6	14	3.20	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	PA-231		RAD	713R6	5.3	2.50	PCIG		J		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	PA-234M		RAD	713R6	2	14.00	PCIG	U	U		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	PB-212		RAD	713R6	0.85	0.25	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	PB-214		RAD	713R6	6.8	1.20	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	RA-226		RAD	783R3	10.9	1.30	PCIG	J	J		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TH-227		RAD	713R6	4.1	1.10	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TH-228		RAD	714R5	1.09	0.19	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TH-229		RAD	714R5	1.95	0.63	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TH-230		RAD	714R5	136	18.00	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TH-232		RAD	714R5	0.97	0.17	PCIG	LT			TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TH-234		RAD	713R6	8.5	2.00	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TL-208		RAD	713R6	0.26	0.11	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TOTACTIV		RAD	704R5	205	21.00	PCIG		J		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	U-232		RAD	714R5	13.1	2.70	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	U-234		RAD	714R5	11	1.60	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	U-235		RAD	714R5	0.64	0.26	PCIG	LT			TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	U-238		RAD	713R6	2.87	0.81	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	U-238		RAD	714R5	9.7	1.60	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	AC-227		RAD	714R5	0.11	0.07	PCIG	LT	J		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	AC-228		RAD	713R6	0.28	0.25	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	AM-241		RAD	713R6	0.056	0.10	PCIG	U	U		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	BI-214		RAD	713R6	0.28	0.16	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	CO-60		RAD	713R6	0.035	0.06	PCIG	U	U		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	CS-137		RAD	713R6	-0.035	0.07	PCIG	U	U		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	K-40		RAD	713R6	5.4	1.70	PCIG	UJ	UJ		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	PA-231		RAD	713R6	-0.7	1.90	PCIG	U	U		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	PA-234M		RAD	713R6	-3	11.00	PCIG	U	U		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	PB-212		RAD	713R6	0.49	0.16	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	PB-214		RAD	713R6	0.34	0.14	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	RA-226		RAD	783R3	1.63	0.31	PCIG		J		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TH-228		RAD	714R5	0.86	0.12	PCIG	LT			TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TH-229		RAD	714R5	2.2	0.62	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TH-230		RAD	714R5	0.75	0.13	PCIG	LT			TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TH-232		RAD	714R5	0.54	0.11	PCIG	LT			TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TH-234		RAD	713R6	0.43	0.77	PCIG	U	U		TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	TOTACTIV		RAD	704R5	7.3	4.80	PCIG				TRUE	TRUE	SOIL
COR0001SS060180	16-Aug-01 108137	U-232		RAD	714R5	3.53	0.65	PCIG				TRUE	TRUE	SOIL

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
COR0000SS120901	14-Aug-01 108137		U-234	RAD	714R5	0.62	0.14	PCIG	LT	J		TRUE	TRUE SOIL	
COR0000SS120901	14-Aug-01 108137		U-235	RAD	713R6	-0.11	0.32	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120901	14-Aug-01 108137		U-235	RAD	714R5	0.051	0.03	PCIG	LT	U		TRUE	TRUE SOIL	
COR0000SS120901	14-Aug-01 108137		U-238	RAD	714R5	0.54	0.12	PCIG	LT	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		AC-227	RAD	714R5	0.27	0.17	PCIG	LT	J		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		AC-228	RAD	713R6	0.74	0.21	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		AM-241	RAD	713R6	0.1	0.24	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		Bi-214	RAD	713R6	0.59	0.17	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		CO-60	RAD	713R6	0.027	0.04	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		CS-137	RAD	713R6	0.054	0.06	PCIG	TI	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		K-40	RAD	713R6	11.7	2.20	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		PA-231	RAD	713R6	-0.4	1.30	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		PA-234M	RAD	713R6	-2.1	6.50	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		PB-212	RAD	713R6	0.67	0.19	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		PB-214	RAD	713R6	0.57	0.14	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		RA-226	RAD	783R2	0.65	0.16	PCIG	Y	J		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		TH-228	RAD	714R5	0.64	0.18	PCIG	LT	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		TH-229	RAD	714R5	0.455	0.40	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		TH-230	RAD	714R5	0.85	0.18	PCIG	LT	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		TH-232	RAD	714R5	0.8	0.18	PCIG	LT	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		TH-234	RAD	713R6	0.73	0.65	PCIG	TI	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		TL-208	RAD	713R6	0.21	0.07	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		TOTACTIV	RAD	704R5	7.6	3.70	PCIG	LT	J		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		U-232	RAD	714R5	6.2	1.30	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		U-234	RAD	714R5	0.8	0.22	PCIG	LT	J		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		U-235	RAD	713R6	-0.05	0.28	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		U-238	RAD	714R5	0.085	0.07	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		U-238	RAD	714R5	0.81	0.22	PCIG	LT	U		TRUE	TRUE SOIL	
COR0000SS120722	14-Aug-01 108127		AC-227	RAD	714R5	0.21	0.12	PCIG	LT	J		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		AC-228	RAD	713R6	0.58	0.16	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		AM-241	RAD	713R6	-0.15	0.25	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		Bi-214	RAD	713R6	0.5	0.14	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		CO-60	RAD	713R6	0.033	0.04	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		CS-137	RAD	713R6	0.14	0.04	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		K-40	RAD	713R6	11	2.20	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		PA-231	RAD	713R6	-0.8	1.30	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		PA-234M	RAD	713R6	0.7	7.50	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		PB-212	RAD	713R6	0.74	0.16	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		PB-214	RAD	713R6	0.63	0.15	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		RA-226	RAD	783R2	0.49	0.15	PCIG	LT	J		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		TH-228	RAD	714R5	0.62	0.16	PCIG	LT	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		TH-229	RAD	714R5	0.43	0.37	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		TH-230	RAD	714R5	0.81	0.16	PCIG	LT	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		TH-232	RAD	714R5	0.73	0.15	PCIG	LT	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		TH-234	RAD	713R6	0.9	0.68	PCIG	TI	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		TL-208	RAD	713R6	0.156	0.06	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		TOTACTIV	RAD	704R5	7.2	3.70	PCIG	LT	J		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		U-232	RAD	714R5	5.38	1.40	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		U-234	RAD	714R5	0.71	0.21	PCIG	LT	J		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		U-235	RAD	713R6	0.083	0.28	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120721	14-Aug-01 108127		U-238	RAD	714R5	0.89	0.07	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120961	14-Aug-01 108127		AC-227	RAD	714R5	0.1	0.11	PCIG	J	J		TRUE	TRUE SOIL	
COR0000SS120961	14-Aug-01 108127		AC-228	RAD	713R6	0.73	0.20	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120961	14-Aug-01 108127		AM-241	RAD	713R6	-0.24	0.27	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120961	14-Aug-01 108127		Bi-212	RAD	713R6	1.12	0.68	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120961	14-Aug-01 108127		Bi-214	RAD	713R6	0.88	0.17	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120961	14-Aug-01 108127		CO-60	RAD	713R6	0.027	0.04	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120961	14-Aug-01 108127		CS-137	RAD	713R6	0.054	0.05	PCIG	TI	U		TRUE	TRUE SOIL	
COR0000SS120961	14-Aug-01 108127		K-40	RAD	713R6	20.9	3.80	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120961	14-Aug-01 108127		PA-231	RAD	713R6	-0.6	1.40	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120961	14-Aug-01 108127		PA-234M	RAD	713R6	-0.6	8.10	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120961	14-Aug-01 108127		PB-212	RAD	713R6	0.97	0.20	PCIG	U	U		TRUE	TRUE SOIL	
COR0000SS120961	14-Aug-01 108127		PB-214	RAD	713R6	0.73	0.16	PCIG	U	U		TRUE	TRUE SOIL	

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CORO0005S120361	14-Aug-01 108127		RA-226	RAD	78.92	0.89	0.20	PC/G	Y			TRUE	TRUE SOIL	
CORO0005S120361	14-Aug-01 108127		TH-228	RAD	71.4R5	1.09	0.22	PC/G				TRUE	TRUE SOIL	
CORO0005S120361	14-Aug-01 108127		TH-229	RAD	71.4R5	0.376	0.39	PC/G				TRUE	TRUE SOIL	
CORO0005S120361	14-Aug-01 108127		TH-230	RAD	71.4R5	1.1	0.21	PC/G				TRUE	TRUE SOIL	
CORO0005S120361	14-Aug-01 108127		TH-232	RAD	71.4R5	1.1	0.21	PC/G				TRUE	TRUE SOIL	
CORO0005S120361	14-Aug-01 108127		TH-234	RAD	71.3R6	1.9	1.10	PC/G	TI			TRUE	TRUE SOIL	
CORO0005S120361	14-Aug-01 108127		TL-208	RAD	71.3R6	0.355	0.09	PC/G				TRUE	TRUE SOIL	
CORO0005S120361	14-Aug-01 108127		TOTALTV	RAD	70.4R5	10.7	3.80	PC/G	J			TRUE	TRUE SOIL	
CORO0005S120361	14-Aug-01 108127		U-232	RAD	71.4R5	5.69	1.40	PC/G	J			TRUE	TRUE SOIL	
CORO0005S120361	14-Aug-01 108127		U-234	RAD	71.4R5	1.04	0.26	PC/G				TRUE	TRUE SOIL	
CORO0005S120361	14-Aug-01 108127		U-235	RAD	71.3R6	0.26	0.29	PC/G	TI			TRUE	TRUE SOIL	
CORO0005S120361	14-Aug-01 108127		U-235	RAD	71.3R6	0.077	0.08	PC/G	LT			TRUE	TRUE SOIL	
CORO0005S120361	14-Aug-01 108127		U-238	RAD	71.4R5	1.04	0.28	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		AC-227	RAD	71.4R5	3.75	0.80	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		AC-228	RAD	71.3R6	0.85	0.39	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		AM-241	RAD	71.3R6	0	0.18	PC/G	U			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		BL-214	RAD	71.3R6	2.22	0.51	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		CO-60	RAD	71.3R6	0.011	0.08	PC/G	U			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		CS-137	RAD	71.3R6	-0.007	0.09	PC/G	U			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		K-40	RAD	71.3R6	15.3	3.80	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		PA-231	RAD	71.3R6	3.5	2.60	PC/G	TI			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		PA-234M	RAD	71.3R6	24	18.00	PC/G	TI			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		PB-212	RAD	71.3R6	0.88	0.24	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		PB-214	RAD	71.3R6	2.9	0.57	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		RA-226	RAD	78.93	4.3	0.53	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TH-227	RAD	71.3R6	3.28	0.92	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TH-228	RAD	71.4R5	1.21	0.24	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TH-229	RAD	71.4R5	1.95	0.69	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TH-230	RAD	71.4R5	76	10.00	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TH-232	RAD	71.4R5	1.06	0.21	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TH-234	RAD	71.3R6	12.4	2.60	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TL-208	RAD	71.3R6	0.32	0.12	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TOTALTV	RAD	70.4R5	137	15.00	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		U-232	RAD	71.4R5	1.81	0.75	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		U-234	RAD	71.4R5	11.1	1.70	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		U-235	RAD	71.3R6	1.79	0.70	PC/G	TI			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		U-235	RAD	71.4R5	0.93	0.22	PC/G	LT			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		U-238	RAD	71.4R5	12	1.90	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		AC-227	RAD	71.4R5	2.46	0.59	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		AC-228	RAD	71.3R6	1.16	0.33	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		AM-241	RAD	71.3R6	-0.13	0.19	PC/G	U			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		BL-214	RAD	71.3R6	2.42	0.50	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		CO-60	RAD	71.3R6	-0.016	0.08	PC/G	U			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		CS-137	RAD	71.3R6	0.08	0.08	PC/G	TI			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		K-40	RAD	71.3R6	17.1	3.80	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		PA-231	RAD	71.3R6	3.1	2.20	PC/G	TI			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		PA-234M	RAD	71.3R6	14	15.00	PC/G	TI			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		PB-212	RAD	71.3R6	0.86	0.23	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		PB-214	RAD	71.3R6	2.75	0.53	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		RA-226	RAD	78.93	4.02	0.51	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TH-227	RAD	71.3R6	2.89	0.81	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TH-228	RAD	71.4R5	1.25	0.28	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TH-229	RAD	71.4R5	2.14	0.69	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TH-230	RAD	71.4R5	51.4	7.00	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TH-232	RAD	71.4R5	1.08	0.21	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TH-234	RAD	71.3R6	7.9	1.80	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TL-208	RAD	71.3R6	0.31	0.11	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		TOTALTV	RAD	70.4R5	84.6	9.60	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		U-232	RAD	71.4R5	2.8	0.69	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		U-234	RAD	71.4R5	6.44	0.96	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		U-235	RAD	71.3R6	1.44	0.64	PC/G	TI			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		U-235	RAD	71.4R5	0.96	0.14	PC/G	LT			TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		U-238	RAD	71.4R5	6.44	0.96	PC/G				TRUE	TRUE SOIL	
ARC2013S524600	03-Sep-01 109025		AC-227	RAD	71.4R5	7.7	1.40	PC/G				TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARC2013S3066390	03-Sep-01 109025		AC-228	RAD	713R6	1.23	0.34	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		AM-241	RAD	713R6	0.7	0.65	PC/G	TI			TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		BI-212	RAD	713R6	1.28	0.83	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		BI-214	RAD	713R6	4.84	0.85	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		CO-60	RAD	713R6	0.011	0.07	PC/G	U			TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		CS-137	RAD	713R6	-0.029	0.07	PC/G	U			TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		K-40	RAD	713R6	17.1	3.30	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		PA-231	RAD	713R6	13.1	3.00	PC/G	J			TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		PA-234M	RAD	713R6	0.86	15.00	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		PB-212	RAD	713R6	2.24	0.23	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		PB-214	RAD	713R6	7.3	1.30	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		RA-226	RAD	783R3	9.9	1.10	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		TH-227	RAD	713R6	9.4	1.80	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		TH-228	RAD	714R5	1.08	0.23	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		TH-229	RAD	714R5	1.9	0.70	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		TH-230	RAD	714R5	192	27.00	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		TH-232	RAD	714R5	1.15	0.23	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		TH-234	RAD	713R6	25.8	4.60	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		TH-208	RAD	713R6	0.26	0.10	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		TO-TACTV	RAD	704R5	302	31.00	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		U-232	RAD	714R5	0.841	0.76	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		U-234	RAD	714R5	27.3	4.10	PC/G				TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		U-235	RAD	714R5	2.61	0.48	PC/G	J			TRUE	TRUE	SOIL
ARC2013S3066390	03-Sep-01 109025		U-238	RAD	714R5	27.4	4.20	PC/G				TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		AC-227	RAD	714R5	1.44	0.38	PC/G	J			TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		AC-228	RAD	713R6	0.52	0.18	PC/G				TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		AM-241	RAD	713R6	0.15	0.30	PC/G	U			TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		BI-214	RAD	713R6	1.04	0.24	PC/G				TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		CO-60	RAD	713R6	0.02	0.05	PC/G	U			TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		CS-137	RAD	713R6	0.019	0.05	PC/G	U			TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		K-40	RAD	713R6	8.5	1.90	PC/G				TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		PA-231	RAD	713R6	3	1.90	PC/G	TI			TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		PA-234M	RAD	713R6	-1	8.50	PC/G	U			TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		PB-212	RAD	713R6	0.68	0.17	PC/G				TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		PB-214	RAD	713R6	1.42	0.28	PC/G	U			TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		RA-226	RAD	783R3	2.7	0.37	PC/G				TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		TH-227	RAD	713R6	0.95	0.38	PC/G				TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		TH-228	RAD	714R5	2.89	0.15	PC/G	LT			TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		TH-229	RAD	714R5	0.88	0.67	PC/G				TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		TH-230	RAD	714R5	24.7	3.40	PC/G				TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		TH-232	RAD	714R5	0.64	0.14	PC/G	LT			TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		TH-234	RAD	713R6	2.2	1.10	PC/G	TI			TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		TH-208	RAD	713R6	0.143	0.08	PC/G				TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		TO-TACTV	RAD	704R5	46.8	6.30	PC/G				TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		U-232	RAD	714R5	3.04	0.65	PC/G				TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		U-234	RAD	714R5	2.96	0.46	PC/G				TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		U-235	RAD	713R6	0.38	0.41	PC/G	TI			TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		U-238	RAD	714R5	0.146	0.06	PC/G	LT			TRUE	TRUE	SOIL
ARC2009S5124440	03-Sep-01 109025		U-238	RAD	714R5	2.86	0.45	PC/G				TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		AC-227	RAD	714R5	4.92	0.95	PC/G				TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		AC-228	RAD	713R6	0.65	0.21	PC/G				TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		AM-241	RAD	713R6	0.36	0.50	PC/G	U			TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		BI-214	RAD	713R6	3.4	0.62	PC/G				TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		CO-60	RAD	713R6	-0.016	0.05	PC/G	U			TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		CS-137	RAD	713R6	-0.014	0.05	PC/G	U			TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		K-40	RAD	713R6	14	2.80	PC/G				TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		PA-231	RAD	713R6	15.3	3.00	PC/G	TI			TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		PA-234M	RAD	713R6	7	11.00	PC/G	U			TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		PB-212	RAD	713R6	0.96	0.22	PC/G				TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		PB-214	RAD	713R6	4.89	0.85	PC/G				TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		RA-226	RAD	783R3	7.54	0.85	PC/G	Y1			TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		TH-227	RAD	713R6	5.8	1.20	PC/G				TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		TH-228	RAD	714R5	0.97	0.21	PC/G	LT			TRUE	TRUE	SOIL
ARC2009S5129000	03-Sep-01 109025		TH-230	RAD	714R5	112	15.00	PC/G				TRUE	TRUE	SOIL

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARC2009S123000	03-Sep-01 109025	TH-232		RAD	714R5	1.06	0.22	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	TH-234		RAD	713R6	8.5	2.20	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	TL-208		RAD	713R6	0.267	0.09	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	TOTACTIV		RAD	704R5	178	19.00	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	U-232		RAD	714R5	2.34	0.71	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	U-234		RAD	714R5	7.8	1.20	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	U-235		RAD	713R6	0.98	0.58	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	U-238		RAD	714R5	1.88	0.21	PC/G		R		TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	U-238		RAD	714R5	8.3	1.30	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	AC-227		RAD	714R5	3.31	0.74	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	AC-228		RAD	713R6	0.6	0.19	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	AW-241		RAD	713R6	0.47	0.41	PC/G		TI		TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	BI-212		RAD	713R6	1.21	0.73	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	BI-214		RAD	713R6	2.49	0.48	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	CO-60		RAD	713R6	-0.008	0.05	PC/G		U		TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	CS-137		RAD	713R6	-0.012	0.05	PC/G		U		TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	K-40		RAD	713R6	15.8	3.00	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	PA-231		RAD	713R6	6.6	1.50	PC/G		J		TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	PA-254M		RAD	713R6	8.2	8.40	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	PB-212		RAD	713R6	0.95	0.20	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	PB-214		RAD	713R6	3.4	0.60	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	RA-228		RAD	783R3	4.79	0.58	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	TH-227		RAD	713R6	3.7	0.82	PC/G		LT		TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	TH-228		RAD	714R5	0.99	0.22	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	TH-229		RAD	714R5	2.03	0.71	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	TH-230		RAD	714R5	65.8	9.20	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	TH-232		RAD	714R5	1.07	0.22	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	TH-234		RAD	713R6	5.5	1.90	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	TL-208		RAD	713R6	0.215	0.08	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	TOTACTIV		RAD	704R5	99	11.00	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	U-232		RAD	714R5	2.81	0.67	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	U-234		RAD	714R5	5.38	0.81	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	U-235		RAD	713R6	1.56	0.53	PC/G		TI		TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	U-235		RAD	714R5	0.54	0.13	PC/G		J		TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	U-238		RAD	714R5	5.69	0.86	PC/G				TRUE	TRUE	SOIL
ARC2009S123000	03-Sep-01 109025	U-237		RAD	714R5	0.5	0.15	PC/G		LT		TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	AC-228		RAD	713R6	0.51	0.25	PC/G				TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	AW-241		RAD	713R6	0.03	0.11	PC/G		U		TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	BI-214		RAD	713R6	0.58	0.25	PC/G				TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	CO-60		RAD	713R6	0.048	0.08	PC/G		U		TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	CS-137		RAD	713R6	-0.023	0.09	PC/G		U		TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	K-40		RAD	713R6	10	2.90	PC/G				TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	PA-231		RAD	713R6	-1.2	2.20	PC/G		U		TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	PA-254M		RAD	713R6	19	15.00	PC/G		TI		TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	PB-212		RAD	713R6	0.66	0.21	PC/G				TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	PB-214		RAD	713R6	0.76	0.23	PC/G				TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	RA-228		RAD	783R3	0.7	0.19	PC/G		LT		TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	TH-228		RAD	714R5	0.62	0.13	PC/G		LT		TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	TH-229		RAD	714R5	2.76	0.62	PC/G				TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	TH-230		RAD	714R5	2.61	0.38	PC/G				TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	TH-232		RAD	714R5	0.96	0.11	PC/G		LT		TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	TH-234		RAD	713R6	2.08	0.99	PC/G				TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	TL-208		RAD	713R6	0.31	0.13	PC/G				TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	TOTACTIV		RAD	704R5	16.9	4.50	PC/G		J		TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	U-232		RAD	714R5	2.86	0.70	PC/G				TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	U-234		RAD	714R5	1.73	0.32	PC/G				TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	U-235		RAD	713R6	0.29	0.35	PC/G		U		TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	U-235		RAD	714R5	0.104	0.05	PC/G		LT		TRUE	TRUE	SOIL
ARC1008S120540	19-Aug-01 108194	U-238		RAD	714R5	1.81	0.34	PC/G				TRUE	TRUE	SOIL
ARC1008S120320	19-Aug-01 108194	AC-227		RAD	714R5	20.4	2.90	PC/G				TRUE	TRUE	SOIL
ARC1008S120320	19-Aug-01 108194	AC-228		RAD	713R6	1.02	0.28	PC/G				TRUE	TRUE	SOIL
ARC1008S120320	19-Aug-01 108194	AW-241		RAD	713R6	0.15	0.29	PC/G		U		TRUE	TRUE	SOIL
ARC1008S120320	19-Aug-01 108194	BI-214		RAD	713R6	5.7	1.20	PC/G				TRUE	TRUE	SOIL
ARC1008S120320	19-Aug-01 108194	CO-60		RAD	713R6	-0.027	0.06	PC/G		U		TRUE	TRUE	SOIL

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARC1008SS120320	19-Aug-01 108194	CS-137	RAD	RAD	713R6	0.052	0.07	PC/G	U	U		TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	K-40	RAD	RAD	713R6	12.3	2.50	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	PA-231	RAD	RAD	713R6	19.1	4.00	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	PA-234M	RAD	RAD	713R6	26	13.00	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	PB-212	RAD	RAD	713R6	0.86	0.24	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	PB-214	RAD	RAD	713R6	9.1	1.50	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	RA-226	RAD	RAD	783R3	21.1	2.20	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-227	RAD	RAD	713R6	12.1	2.20	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-228	RAD	RAD	714R5	1.08	0.23	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-229	RAD	RAD	714R5	4.49	1.20	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-230	RAD	RAD	714R5	450	58.00	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-232	RAD	RAD	714R5	1.23	0.23	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-234	RAD	RAD	713R6	20	4.20	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TL-208	RAD	RAD	713R6	0.244	0.10	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TOTACTIV	RAD	RAD	704R5	689	71.00	PC/G		J		TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	U-232	RAD	RAD	714R5	9.43	2.80	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	U-234	RAD	RAD	714R5	32.3	4.90	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	U-235	RAD	RAD	713R6	4.07	0.93	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	U-235	RAD	RAD	714R5	2	0.55	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	U-238	RAD	RAD	714R5	30.7	4.70	PC/G				TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	AC-227	RAD	RAD	713R6	0.32	0.14	PC/G	LT			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	AM-241	RAD	RAD	713R6	0.09	0.16	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	BI-212	RAD	RAD	713R6	0.89	0.61	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	BI-214	RAD	RAD	713R6	0.96	0.77	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	CO-60	RAD	RAD	713R6	0.023	0.04	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	CS-137	RAD	RAD	713R6	-0.01	0.04	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	K-40	RAD	RAD	713R6	16.1	3.00	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	PA-231	RAD	RAD	713R6	0.5	1.30	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	PA-234M	RAD	RAD	713R6	2	7.40	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	PB-212	RAD	RAD	713R6	0.85	0.20	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	PB-214	RAD	RAD	713R6	0.78	0.19	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	RA-226	RAD	RAD	783R3	1.01	0.25	PC/G	LT			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-228	RAD	RAD	714R5	0.95	0.18	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-229	RAD	RAD	714R5	1.99	0.62	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-230	RAD	RAD	714R5	0.97	0.17	PC/G	LT			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-232	RAD	RAD	714R5	0.86	0.19	PC/G	LT			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-234	RAD	RAD	713R6	1.43	0.75	PC/G	TI			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TL-208	RAD	RAD	713R6	0.286	0.08	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TOTACTIV	RAD	RAD	704R5	11.3	4.00	PC/G	U	J		TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	U-232	RAD	RAD	714R5	3.05	0.66	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	U-234	RAD	RAD	714R5	0.83	0.17	PC/G	LT			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	U-235	RAD	RAD	713R6	0.09	0.27	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	U-235	RAD	RAD	714R5	0.068	0.04	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	U-238	RAD	RAD	714R5	0.79	0.16	PC/G	LT			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	AC-227	RAD	RAD	714R5	2.05	0.38	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	AM-241	RAD	RAD	713R6	0.83	0.27	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	BI-214	RAD	RAD	713R6	0.08	0.13	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	CO-60	RAD	RAD	713R6	1.02	0.23	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	CS-137	RAD	RAD	713R6	0.017	0.07	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	K-40	RAD	RAD	713R6	-0.019	0.07	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	PA-231	RAD	RAD	713R6	11.8	2.90	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	PA-234M	RAD	RAD	713R6	6	13.00	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	PB-212	RAD	RAD	713R6	1.05	0.25	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	PB-214	RAD	RAD	713R6	1.41	0.32	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	RA-226	RAD	RAD	783R3	0.94	0.29	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-227	RAD	RAD	713R6	1.45	0.52	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-228	RAD	RAD	714R5	1.04	0.19	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-229	RAD	RAD	714R5	2.21	0.62	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-230	RAD	RAD	714R5	30.8	4.00	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-232	RAD	RAD	714R5	0.88	0.19	PC/G	LT			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TH-234	RAD	RAD	713R6	1.9	1.00	PC/G	U			TRUE	TRUE	SOIL
ARC1008SS120320	19-Aug-01 108194	TL-208	RAD	RAD	713R6	0.28	0.10	PC/G	U			TRUE	TRUE	SOIL

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARC1008SS3060420	19-Aug-01 108194		TOTALCTV	RAD	704R5	65.8	8.00	PCIG		J			TRUE	TRUE SOIL
ARC1008SS3060420	19-Aug-01 108194		U-232	RAD	714R5	2.78	0.67	PCIG					TRUE	TRUE SOIL
ARC1008SS3060420	19-Aug-01 108194		U-234	RAD	714R5	3.41	0.54	PCIG					TRUE	TRUE SOIL
ARC1008SS3060420	19-Aug-01 108194		U-235	RAD	713R6	0.5	0.46	PCIG	TI				TRUE	TRUE SOIL
ARC1008SS3060420	19-Aug-01 108194		U-235	RAD	714R5	0.324	0.10	PCIG	LT				TRUE	TRUE SOIL
ARC1008SS3060420	19-Aug-01 108194		U-238	RAD	714R5	3.49	0.55	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		AC-227	RAD	714R5	8.6	1.20	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		AC-228	RAD	713R6	0.92	0.26	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		AM-241	RAD	713R6	0.63	0.63	PCIG	TI				TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		BI-214	RAD	713R6	5.5	1.20	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		CO-60	RAD	713R6	-0.008	0.06	PCIG	U				TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		CS-137	RAD	713R6	-0.042	0.09	PCIG	U				TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		K-40	RAD	713R6	11.1	2.30	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		PA-231	RAD	713R6	17	3.60	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		PA-234M	RAD	713R6	20	13.00	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		PB-212	RAD	713R6	0.85	0.22	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		PB-214	RAD	713R6	8.6	1.50	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		PA-226	RAD	783R3	9.6	1.10	PCIG	YI				TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		TH-227	RAD	713R6	13.4	2.40	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		TH-228	RAD	714R5	0.7	0.14	PCIG	LT				TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		TH-229	RAD	714R5	2.34	0.62	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		TH-230	RAD	714R5	1.85	24.00	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		TH-232	RAD	714R5	0.8	0.14	PCIG	LT				TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		TH-234	RAD	713R6	19.4	3.90	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		TL-208	RAD	713R6	0.241	0.10	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		TOTALCTV	RAD	704R5	381	39.00	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		U-232	RAD	714R5	1.89	1.00	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		U-234	RAD	714R5	17.3	2.80	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		U-235	RAD	713R6	4.9	1.10	PCIG					TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		U-235	RAD	714R5	0.96	0.27	PCIG	LT				TRUE	TRUE SOIL
ARC1008SS3060360	19-Aug-01 108194		U-238	RAD	714R5	16.9	2.70	PCIG					TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		AC-227	RAD	714R5	0.32	0.14	PCIG	LT	J			TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		AC-228	RAD	713R6	0.54	0.19	PCIG					TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		AM-241	RAD	713R6	-0.04	0.29	PCIG	U				TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		BI-212	RAD	713R6	0.9	0.71	PCIG					TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		BI-214	RAD	713R6	0.76	0.21	PCIG					TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		CO-60	RAD	713R6	-0.023	0.04	PCIG	U				TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		CS-137	RAD	713R6	0.131	0.07	PCIG					TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		K-40	RAD	713R6	8.3	1.90	PCIG					TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		PA-231	RAD	713R6	0.3	1.60	PCIG	U				TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		PA-234M	RAD	713R6	3.5	7.80	PCIG	U				TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		PB-212	RAD	713R6	0.72	0.18	PCIG					TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		PB-214	RAD	713R6	0.69	0.20	PCIG					TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		PA-226	RAD	783R3	0.35	0.15	PCIG	LT				TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		TH-228	RAD	714R5	0.72	0.16	PCIG	LT				TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		TH-229	RAD	714R5	2.19	0.63	PCIG					TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		TH-230	RAD	714R5	1.01	0.18	PCIG					TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		TH-232	RAD	714R5	0.75	0.14	PCIG	LT				TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		TH-234	RAD	713R6	-0.14	0.91	PCIG	U				TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		TL-208	RAD	713R6	0.196	0.07	PCIG					TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		TOTALCTV	RAD	704R5	5.3	4.20	PCIG	J				TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		U-232	RAD	714R5	3.23	0.67	PCIG					TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		U-234	RAD	714R5	0.8	0.17	PCIG	LT				TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		U-235	RAD	713R6	-0.11	0.34	PCIG	U				TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		U-235	RAD	714R5	0.041	0.03	PCIG	LT				TRUE	TRUE SOIL
ARC1008SS242401	21-Aug-01 108194		U-238	RAD	714R5	0.67	0.19	PCIG	LT				TRUE	TRUE SOIL
ARC1008SS242400	21-Aug-01 108194		AC-227	RAD	714R5	0.31	0.13	PCIG	LT	J			TRUE	TRUE SOIL
ARC1008SS242400	21-Aug-01 108194		AC-228	RAD	713R6	0.49	0.25	PCIG					TRUE	TRUE SOIL
ARC1008SS242400	21-Aug-01 108194		AM-241	RAD	713R6	-0.08	0.11	PCIG	U				TRUE	TRUE SOIL
ARC1008SS242400	21-Aug-01 108194		BI-214	RAD	713R6	0.69	0.25	PCIG					TRUE	TRUE SOIL
ARC1008SS242400	21-Aug-01 108194		CO-60	RAD	713R6	0.075	0.06	PCIG	TI				TRUE	TRUE SOIL
ARC1008SS242400	21-Aug-01 108194		CS-137	RAD	713R6	0.025	0.08	PCIG	U				TRUE	TRUE SOIL
ARC1008SS242400	21-Aug-01 108194		K-40	RAD	713R6	7.6	2.20	PCIG					TRUE	TRUE SOIL
ARC1008SS242400	21-Aug-01 108194		PA-231	RAD	713R6	-0.5	2.10	PCIG	U				TRUE	TRUE SOIL

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARC1004SS24200	21-Aug-01 108194	PA-234M	RAD	RAD	713R6	6	10.00	PCIG	U	U		TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	PB-212	RAD	RAD	713R6	0.67	0.20	PCIG				TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	PB-214	RAD	RAD	713R6	0.73	0.20	PCIG				TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	RA-226	RAD	RAD	783R3	0.71	0.21	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-228	RAD	RAD	714R5	0.72	0.13	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-229	RAD	RAD	714R5	2.88	0.60	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-230	RAD	RAD	714R5	0.82	0.14	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-232	RAD	RAD	713R6	0.65	0.11	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-234	RAD	RAD	713R6	1.18	0.70	PCIG	TI			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TL-208	RAD	RAD	713R6	0.226	0.10	PCIG	TI			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TOTACTIV	RAD	RAD	704R5	8.9	4.20	PCIG	LT	J		TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-232	RAD	RAD	714R5	2.79	0.69	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-234	RAD	RAD	714R5	0.82	0.18	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-235	RAD	RAD	713R6	0.22	0.33	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-238	RAD	RAD	714R5	0.06	0.04	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-238	RAD	RAD	714R5	0.8	0.18	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	AC-227	RAD	RAD	714R5	0.32	0.12	PCIG	LT	J		TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	AC-228	RAD	RAD	713R6	0.61	0.32	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	AM-241	RAD	RAD	713R6	0.06	0.12	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	BI-214	RAD	RAD	713R6	0.6	0.29	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	CO-60	RAD	RAD	713R6	0	0.08	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	CS-137	RAD	RAD	713R6	0.06	0.11	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	K-40	RAD	RAD	713R6	6.7	2.40	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	PA-231	RAD	RAD	713R6	-2.3	2.20	PCIG	U	UU		TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	PA-234M	RAD	RAD	713R6	6	16.00	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	PB-212	RAD	RAD	713R6	0.64	0.21	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	PB-214	RAD	RAD	713R6	0.7	0.23	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	RA-226	RAD	RAD	783R3	0.76	0.22	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-228	RAD	RAD	714R5	0.64	0.12	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-229	RAD	RAD	714R5	2.48	0.61	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-230	RAD	RAD	714R5	0.85	0.14	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-232	RAD	RAD	714R5	0.58	0.11	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-234	RAD	RAD	713R6	0.51	0.68	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TL-208	RAD	RAD	713R6	0.17	0.12	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TOTACTIV	RAD	RAD	704R5	8.2	4.60	PCIG	LT	J		TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-232	RAD	RAD	714R5	0.64	0.67	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-235	RAD	RAD	713R6	0.12	0.19	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-238	RAD	RAD	714R5	0.12	0.38	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-238	RAD	RAD	714R5	0.056	0.04	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	AC-227	RAD	RAD	714R5	0.73	0.16	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	AC-228	RAD	RAD	714R5	0.27	0.12	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	AM-241	RAD	RAD	713R6	0.48	0.23	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	CO-60	RAD	RAD	713R6	-0.05	0.20	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	CS-137	RAD	RAD	713R6	0.65	0.22	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	K-40	RAD	RAD	713R6	0.047	0.06	PCIG	TI			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	PA-231	RAD	RAD	713R6	7.6	1.90	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	PA-234M	RAD	RAD	713R6	0.8	1.70	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	PB-212	RAD	RAD	713R6	5.5	8.50	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	PB-214	RAD	RAD	713R6	0.73	0.19	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	RA-226	RAD	RAD	783R3	0.75	0.20	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-228	RAD	RAD	714R5	0.65	0.18	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-229	RAD	RAD	714R5	0.64	0.13	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-230	RAD	RAD	714R5	1.92	0.62	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-232	RAD	RAD	714R5	0.86	0.15	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TH-234	RAD	RAD	714R5	0.99	0.12	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TL-208	RAD	RAD	713R6	0.178	0.82	PCIG	TI			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	TOTACTIV	RAD	RAD	704R5	3.99	4.30	PCIG	LT	J		TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-232	RAD	RAD	714R5	8.9	0.66	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-234	RAD	RAD	714R5	0.62	0.14	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-235	RAD	RAD	713R6	-0.05	0.36	PCIG	U			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-238	RAD	RAD	714R5	0.049	0.03	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS24200	21-Aug-01 108194	U-238	RAD	RAD	714R5	0.68	0.15	PCIG	LT			TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARC1004SS120120	21-Aug-01 08194	AC-227		RAD	714R5	0.25	0.12	PCIG	LT	J		TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	AC-228		RAD	713R6	0.51	0.18	PCIG				TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	AM-241		RAD	713R6	0.04	0.18	PCIG	U	U		TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	BL-212		RAD	713R6	0.89	0.58	PCIG				TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	BL-214		RAD	713R6	0.91	0.23	PCIG				TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	CO-60		RAD	713R6	-0.036	0.08	PCIG	U	U		TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	CS-137		RAD	713R6	0.091	0.05	PCIG	TI			TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	K-40		RAD	713R6	11.9	2.40	PCIG	U	U		TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	PA-231		RAD	713R6	0.4	1.60	PCIG	U	U		TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	PA-234M		RAD	713R6	-4.3	9.40	PCIG	U	U		TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	PB-212		RAD	713R6	0.77	0.19	PCIG	U	U		TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	PB-214		RAD	713R6	1.06	0.23	PCIG				TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	RA-226		RAD	783R3	0.85	0.21	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	TH-228		RAD	714R5	0.65	0.14	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	TH-229		RAD	714R5	2.17	0.63	PCIG				TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	TH-230		RAD	714R5	0.87	0.15	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	TH-232		RAD	714R5	0.67	0.13	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	TH-234		RAD	713R6	0.72	0.81	PCIG	TI			TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	TL-208		RAD	713R6	0.189	0.08	PCIG				TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	TOTALCTV		RAD	704R5	12.4	4.20	PCIG		J		TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	U-232		RAD	714R5	2.88	0.67	PCIG				TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	U-234		RAD	714R5	1.16	0.22	PCIG				TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	U-235		RAD	713R6	0.17	0.33	PCIG	U	U		TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	U-235		RAD	714R5	0.081	0.04	PCIG	LT			TRUE	TRUE SOIL	
ARC1004SS120120	21-Aug-01 08194	U-238		RAD	714R5	1	0.20	PCIG	LT			TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	AC-227		RAD	714R5	3.05	0.67	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	AC-228		RAD	713R6	0.67	0.27	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	AM-241		RAD	713R6	-0.01	0.18	PCIG	U	U		TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	BL-214		RAD	713R6	1.9	0.46	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	CO-60		RAD	713R6	-0.034	0.08	PCIG	U	U		TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	CS-137		RAD	713R6	0.119	0.08	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	K-40		RAD	713R6	10.1	2.50	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	PA-231		RAD	713R6	9.1	3.60	PCIG	TI			TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	PA-234M		RAD	713R6	12	16.00	PCIG	U	U		TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	PB-212		RAD	713R6	0.76	0.23	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	PB-214		RAD	713R6	2.82	0.56	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	RA-226		RAD	783R3	3.17	0.53	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	TH-227		RAD	713R6	3.72	0.97	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	TH-228		RAD	714R5	0.74	0.23	PCIG	LT			TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	TH-229		RAD	714R5	4.06	1.30	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	TH-230		RAD	714R5	60.2	8.00	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	TH-232		RAD	714R5	0.91	0.21	PCIG	LT			TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	TH-234		RAD	713R6	6.4	1.60	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	TL-208		RAD	713R6	0.28	0.13	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	TOTALCTV		RAD	704R5	117	13.00	PCIG		J		TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	U-232		RAD	714R5	10.1	2.80	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	U-234		RAD	714R5	7.8	1.40	PCIG				TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	U-235		RAD	713R6	2.2	0.75	PCIG	TI			TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	U-235		RAD	714R5	0.81	0.31	PCIG	LT			TRUE	TRUE SOIL	
ARC1003SS121320	19-Aug-01 08194	U-238		RAD	714R5	7.9	1.40	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	AC-227		RAD	714R5	2.89	0.60	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	AC-228		RAD	713R6	0.44	0.15	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	AM-241		RAD	713R6	0.16	0.31	PCIG	U	U		TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	BL-214		RAD	713R6	1.24	0.26	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	CO-60		RAD	713R6	0.007	0.04	PCIG	U	U		TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	CS-137		RAD	713R6	0.115	0.08	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	K-40		RAD	713R6	9.5	2.00	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	PA-231		RAD	713R6	1.4	2.00	PCIG	U	U		TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	PA-234M		RAD	713R6	3.6	8.40	PCIG	U	U		TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	PB-212		RAD	713R6	0.62	0.16	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	PB-214		RAD	713R6	1.86	0.34	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	RA-226		RAD	783R3	2.85	0.49	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	TH-227		RAD	713R6	1.61	0.49	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 08194	TH-228		RAD	714R5	0.63	0.19	PCIG	LT			TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARC1003SS120800	19-Aug-01 108194		TH-229	RAD	714R5	4.07	1.30	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-230	RAD	714R5	50	6.60	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-232	RAD	714R5	0.53	0.14	PCIG	LT			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-234	RAD	713R6	3.2	1.20	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TL-208	RAD	713R6	0.157	0.07	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TOTACTIV	RAD	704R5	1.10	12.00	PCIG		J		TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-232	RAD	714R5	13.1	2.60	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-234	RAD	714R5	4.48	0.83	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-235	RAD	714R5	0.72	0.37	PCIG	TI			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-235	RAD	714R5	0.27	0.15	PCIG	LT			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-238	RAD	714R5	4.7	0.86	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		AC-227	RAD	714R5	0.22	0.16	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		AC-228	RAD	713R6	0.38	0.32	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		AM-241	RAD	713R6	-0.006	0.10	PCIG	U			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		CO-60	RAD	713R6	-0.012	0.08	PCIG	U			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		CS-137	RAD	713R6	-0.071	0.09	PCIG	U			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		K-40	RAD	713R6	3.8	1.80	PCIG	U			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		PA-231	RAD	713R6	0.6	2.20	PCIG	U			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		PA-234M	RAD	713R6	3	12.00	PCIG	U			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		PB-212	RAD	713R6	0.24	0.14	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		RA-226	RAD	783R3	0.31	0.12	PCIG	LT			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-228	RAD	714R5	0.46	0.64	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-229	RAD	714R5	1.86	0.64	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-230	RAD	714R5	0.53	0.11	PCIG	LT			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-232	RAD	714R5	0.404	0.10	PCIG	LT			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-234	RAD	713R6	0.85	0.71	PCIG	TI			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TOTACTIV	RAD	704R5	10.6	4.40	PCIG		J		TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-232	RAD	714R5	2.82	0.69	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-234	RAD	714R5	0.6	0.15	PCIG	LT			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-235	RAD	713R6	0.08	0.33	PCIG	U			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-235	RAD	714R5	0.086	0.05	PCIG	LT			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-238	RAD	714R5	0.5	0.13	PCIG	LT			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		AC-227	RAD	714R5	2.65	0.51	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		AC-228	RAD	713R6	0.76	0.21	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		AM-241	RAD	713R6	0.31	0.42	PCIG	U			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		BL-214	RAD	713R6	2.65	0.69	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		CO-60	RAD	713R6	0.011	0.05	PCIG	U			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		CS-137	RAD	713R6	0.008	0.05	PCIG	U			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		K-40	RAD	713R6	18.3	3.40	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		PA-231	RAD	713R6	3.8	1.60	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		PA-234M	RAD	713R6	9.6	7.10	PCIG		U		TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		PB-212	RAD	713R6	1.06	0.23	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		PB-214	RAD	713R6	3.42	0.60	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		RA-226	RAD	783R3	4.08	0.56	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-227	RAD	713R6	3.15	0.73	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-228	RAD	714R5	1.21	0.23	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-229	RAD	714R5	5.08	1.20	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-230	RAD	714R5	54.7	6.90	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-232	RAD	714R5	1.16	0.21	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TH-234	RAD	713R6	9.5	2.20	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TL-208	RAD	713R6	0.285	0.08	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		TOTACTIV	RAD	704R5	110	12.00	PCIG		J		TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-232	RAD	714R5	35.2	6.80	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-234	RAD	714R5	9.3	1.90	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-235	RAD	713R6	1.6	0.54	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-235	RAD	714R5	0.92	0.48	PCIG	LT			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		U-238	RAD	714R5	8.8	1.50	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		AC-227	RAD	714R5	9.2	1.40	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		AC-228	RAD	713R6	1.11	0.28	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		AM-241	RAD	713R6	0.3	0.41	PCIG	U			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		BL-214	RAD	713R6	5.9	1.20	PCIG				TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		CO-60	RAD	713R6	-0.006	0.07	PCIG	U			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		CS-137	RAD	713R6	-0.008	0.07	PCIG	U			TRUE	TRUE SOIL	
ARC1003SS120800	19-Aug-01 108194		K-40	RAD	713R6	18.3	3.40	PCIG				TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARC1003SS2060960	19-Aug-01 108194	PA-231		RAD	713R6	20	4.30	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	PA-234M		RAD	713R6	32	14.00	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	PB-212		RAD	713R6	1.05	0.26	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	PA-214		RAD	713R6	9.3	1.60	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	RA-226		RAD	783R3	12.5	1.40	PCIG	Y1			TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	TH-227		RAD	713R6	12.3	2.20	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	TH-228		RAD	714R5	1.08	0.24	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	TH-229		RAD	714R5	5.16	1.20	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	TH-230		RAD	714R5	221	28.00	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	TH-232		RAD	714R5	1.05	0.20	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	TH-234		RAD	713R6	24.8	4.50	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	TL-208		RAD	713R6	0.252	0.09	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	TOTACTIV		RAD	704R5	386	37.00	PCIG	J			TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	U-232		RAD	714R5	33.2	6.50	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	U-234		RAD	714R5	19	3.10	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	U-235		RAD	713R6	3.59	0.82	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	U-235		RAD	714R5	1.27	0.51	PCIG				TRUE	TRUE SOIL	
ARC1003SS2060960	19-Aug-01 108194	U-238		RAD	714R5	19.3	3.20	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	AC-227		RAD	714R5	4.88	0.81	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	AC-228		RAD	713R6	0.97	0.29	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	AM-241		RAD	713R6	0.22	0.32	PCIG	U			TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	BI-212		RAD	713R6	0.88	0.79	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	BI-214		RAD	713R6	3.67	0.66	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	CO-60		RAD	713R6	0.044	0.05	PCIG	TI			TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	CS-137		RAD	713R6	0.002	0.06	PCIG	U			TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	K-40		RAD	713R6	12.9	2.60	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	PA-231		RAD	713R6	7.7	2.60	PCIG	J			TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	PA-234M		RAD	713R6	15	14.00	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	PB-212		RAD	713R6	0.87	0.21	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	PB-214		RAD	713R6	5.22	0.90	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	RA-226		RAD	783R3	6.47	0.79	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	TH-227		RAD	713R6	4.9	1.00	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	TH-228		RAD	714R5	0.9	0.20	PCIG	LT			TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	TH-229		RAD	714R5	5.34	1.20	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	TH-230		RAD	714R5	106	13.00	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	TH-232		RAD	714R5	0.93	0.18	PCIG	LT			TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	TH-234		RAD	713R6	7.7	1.90	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	TL-208		RAD	713R6	0.221	0.09	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	TOTACTIV		RAD	704R5	186	21.00	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	U-232		RAD	714R5	11.7	2.70	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	U-234		RAD	714R5	8.6	1.50	PCIG				TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	U-235		RAD	713R6	2.44	0.74	PCIG	TI			TRUE	TRUE SOIL	
ARC1002SS2061020	19-Aug-01 108179	U-235		RAD	714R5	0.52	0.23	PCIG	LT			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	U-238		RAD	714R5	8.2	1.40	PCIG				TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	AC-227		RAD	714R5	0.29	0.14	PCIG	LT			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	AC-228		RAD	713R6	0.43	0.30	PCIG				TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	AM-241		RAD	713R6	-0.05	0.11	PCIG	U			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	BI-214		RAD	713R6	0.57	0.24	PCIG				TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	CO-60		RAD	713R6	-0.049	0.07	PCIG	U			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	CS-137		RAD	713R6	0.034	0.10	PCIG	U			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	K-40		RAD	713R6	3.7	1.80	PCIG				TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	PA-231		RAD	713R6	-3.6	2.50	PCIG	UJ			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	PB-212		RAD	713R6	0.41	0.19	PCIG	U			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	PB-214		RAD	713R6	0.69	0.22	PCIG				TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	RA-226		RAD	783R3	0.62	0.19	PCIG	LT	J		TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	TH-228		RAD	714R5	2.08	0.13	PCIG	LT			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	TH-229		RAD	714R5	2.88	0.63	PCIG				TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	TH-230		RAD	714R5	0.87	0.16	PCIG	LT	J		TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	TH-232		RAD	714R5	0.435	0.10	PCIG	LT			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	TH-234		RAD	713R6	0.8	1.20	PCIG	U			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	TOTACTIV		RAD	713R6	0.52	0.13	PCIG				TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	U-232		RAD	704R5	16.6	5.10	PCIG	J			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	U-232		RAD	714R5	2.79	0.68	PCIG				TRUE	TRUE SOIL	

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ARC1001SS120960	19-Aug-01 108179	U-234	U-234	RAD	714R5	0.85	0.15	PC/G	LT			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	U-235	U-235	RAD	713R6	0.01	0.34	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	U-235	U-235	RAD	714R5	0.058	0.04	PC/G	LT			TRUE	TRUE SOIL	
ARC1001SS120960	19-Aug-01 108179	U-238	U-238	RAD	714R5	0.79	0.17	PC/G	LT			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	AC-227	AC-227	RAD	714R5	4.79	0.82	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	AM-241	AM-241	RAD	713R6	0.71	0.33	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	Bi-214	Bi-214	RAD	713R6	-0.11	0.22	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	CO-60	CO-60	RAD	713R6	3.42	0.68	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	CS-137	CS-137	RAD	713R6	0.055	0.07	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	K-40	K-40	RAD	713R6	-0.002	0.10	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	PA-231	PA-231	RAD	713R6	10.6	2.70	PC/G	J			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	PA-234M	PA-234M	RAD	713R6	6.2	2.90	PC/G	TI			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	PB-212	PB-212	RAD	713R6	11	13.00	PC/G	TI			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	PB-214	PB-214	RAD	713R6	0.8	0.24	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	RA-226	RA-226	RAD	783R3	3.95	0.74	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	TH-227	TH-227	RAD	713R6	5.47	0.69	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	TH-228	TH-228	RAD	714R5	3.9	1.00	PC/G	LT			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	TH-229	TH-229	RAD	714R5	0.83	0.21	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	TH-230	TH-230	RAD	714R5	5	1.20	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	TH-232	TH-232	RAD	714R5	112	14.00	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	TH-234	TH-234	RAD	714R5	0.82	0.17	PC/G	LT			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	TL-208	TL-208	RAD	713R6	6.8	1.70	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	TOTACTIV	TOTACTIV	RAD	704R5	0.19	0.10	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	U-232	U-232	RAD	714R5	222	23.00	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	U-234	U-234	RAD	714R5	12.6	2.70	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	U-235	U-235	RAD	714R5	11.2	1.80	PC/G	U			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	U-235	U-235	RAD	713R6	2.18	0.79	PC/G	TI			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	U-238	U-238	RAD	714R5	0.95	0.23	PC/G	LT			TRUE	TRUE SOIL	
ARC1001SS360320	19-Aug-01 108179	U-238	U-238	RAD	714R5	9.9	1.60	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	AC-227	AC-227	RAD	714R5	0.58	0.21	PC/G	LT			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	AC-228	AC-228	RAD	713R6	1.2	0.37	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	AM-241	AM-241	RAD	713R6	-0.01	0.12	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	Bi-212	Bi-212	RAD	713R6	2.1	1.20	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	Bi-214	Bi-214	RAD	713R6	1.51	0.38	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	CO-60	CO-60	RAD	713R6	0.031	0.09	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	CS-137	CS-137	RAD	713R6	0.026	0.08	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	K-40	K-40	RAD	713R6	9.4	2.80	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	PA-231	PA-231	RAD	713R6	-0.8	2.20	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	PA-234M	PA-234M	RAD	713R6	1	16.00	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	PB-212	PB-212	RAD	713R6	2.04	0.41	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	PB-214	PB-214	RAD	713R6	1.58	0.39	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	RA-226	RA-226	RAD	783R3	1.63	0.30	PC/G	Y1			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	TH-228	TH-228	RAD	714R5	1.95	0.31	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	TH-229	TH-229	RAD	714R5	1.83	0.64	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	TH-230	TH-230	RAD	714R5	1.91	0.30	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	TH-232	TH-232	RAD	714R5	1.71	0.27	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	TH-234	TH-234	RAD	713R6	1.43	0.82	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	TL-208	TL-208	RAD	713R6	0.97	0.16	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	TOTACTIV	TOTACTIV	RAD	704R5	26.4	4.60	PC/G	J			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	U-232	U-232	RAD	714R5	2.26	0.72	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	U-234	U-234	RAD	714R5	1.84	0.35	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	U-235	U-235	RAD	713R6	0.46	0.39	PC/G	TI			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	U-235	U-235	RAD	714R5	0.106	0.06	PC/G	LT			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	U-238	U-238	RAD	714R5	2.12	0.39	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	AC-227	AC-227	RAD	714R5	0.79	0.22	PC/G	LT			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	AC-228	AC-228	RAD	713R6	1.65	0.35	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	AM-241	AM-241	RAD	713R6	-0.03	0.32	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	Bi-212	Bi-212	RAD	713R6	1.92	0.84	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	Bi-214	Bi-214	RAD	713R6	1.53	0.31	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	CO-60	CO-60	RAD	713R6	-0.024	0.05	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	CS-137	CS-137	RAD	713R6	-0.061	0.05	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	K-40	K-40	RAD	713R6	8.7	1.90	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	PA-231	PA-231	RAD	713R6	-2.5	2.70	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS42281	21-Aug-01 108194	PA-234M	PA-234M	RAD	713R6	5.5	8.60	PC/G	U			TRUE	TRUE SOIL	

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ARA2002SS242280	21-Aug-01 108194	PE-212	RAD	RAD	71396	1.98	0.37	PC/G				TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	PE-214	RAD	RAD	71396	1.98	0.37	PC/G				TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	RA-226	RAD	RAD	78393	1.93	0.33	PC/G	Y2			TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	TH-228	RAD	RAD	71495	1.73	0.29	PC/G				TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	TH-229	RAD	RAD	71495	2.07	0.64	PC/G				TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	TH-230	RAD	RAD	71495	1.83	0.28	PC/G				TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	TH-232	RAD	RAD	71495	1.75	0.28	PC/G				TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	TH-234	RAD	RAD	71396	1.8	1.10	PC/G	TI			TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	TL-208	RAD	RAD	71396	0.58	0.13	PC/G		J		TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	TOTALTIV	RAD	RAD	70495	22.2	4.90	PC/G				TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	U-232	RAD	RAD	71495	3.91	0.90	PC/G				TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	U-234	RAD	RAD	71495	2.03	0.37	PC/G				TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	U-235	RAD	RAD	71396	0.14	0.38	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	U-238	RAD	RAD	71495	0.143	0.07	PC/G	LT			TRUE	TRUE SOIL	
ARA2002SS242280	21-Aug-01 108194	U-238	RAD	RAD	71495	2.06	0.37	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	AC-227	RAD	RAD	71495	4.29	0.76	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	AC-228	RAD	RAD	71396	0.71	0.42	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	AM-241	RAD	RAD	71396	0.18	0.68	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	BI-214	RAD	RAD	71396	6.6	1.70	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	CO-60	RAD	RAD	71396	-0.01	0.13	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	CS-137	RAD	RAD	71396	-0.04	0.12	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	K-40	RAD	RAD	71396	13.4	3.50	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	PA-231	RAD	RAD	71396	12.1	5.00	PC/G	TI			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	PA-234M	RAD	RAD	71396	20	21.00	PC/G	TI			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	PE-212	RAD	RAD	71396	1.24	0.38	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	PE-214	RAD	RAD	71396	8.7	1.50	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	RA-226	RAD	RAD	78393	12.2	1.40	PC/G	Y1			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TH-227	RAD	RAD	71396	4.7	1.20	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TH-228	RAD	RAD	71495	0.99	0.21	PC/G	LT			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TH-229	RAD	RAD	71495	4.93	1.20	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TH-230	RAD	RAD	71495	1.17	15.00	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TH-232	RAD	RAD	71495	1.18	0.22	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TH-234	RAD	RAD	71396	9.9	3.00	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TL-208	RAD	RAD	71396	0.32	0.14	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TOTALTIV	RAD	RAD	70495	235	24.00	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	U-232	RAD	RAD	71495	30.3	7.00	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	U-234	RAD	RAD	71495	12.2	2.40	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	U-235	RAD	RAD	71396	1.45	0.71	PC/G	TI			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	U-235	RAD	RAD	71495	1.11	0.55	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	U-238	RAD	RAD	71495	12	2.40	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	AC-227	RAD	RAD	71495	1.26	0.28	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	AC-228	RAD	RAD	71396	1.53	0.47	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	AM-241	RAD	RAD	71396	0.02	0.17	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	BI-214	RAD	RAD	71396	5.12	0.95	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	CO-60	RAD	RAD	71396	-0.034	0.09	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	CS-137	RAD	RAD	71396	0.05	0.11	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	K-40	RAD	RAD	71396	8.2	2.40	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	PA-231	RAD	RAD	71396	1.1	4.40	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	PA-234M	RAD	RAD	71396	7	14.00	PC/G	U			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	PE-212	RAD	RAD	71396	2	0.42	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	PE-214	RAD	RAD	71396	5.4	0.96	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	RA-226	RAD	RAD	78393	6.01	0.76	PC/G	Y2			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TH-228	RAD	RAD	71495	1.87	0.30	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TH-229	RAD	RAD	71495	2.06	0.63	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TH-230	RAD	RAD	71495	11.7	1.60	PC/G	J			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TH-232	RAD	RAD	71495	1.88	0.27	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TH-234	RAD	RAD	71396	4.8	1.40	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TL-208	RAD	RAD	71396	0.69	0.18	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	TOTALTIV	RAD	RAD	70495	41	6.40	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	U-232	RAD	RAD	71495	5.68	1.40	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	U-234	RAD	RAD	71495	5.06	0.85	PC/G				TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	U-235	RAD	RAD	71396	0.37	0.37	PC/G	TI			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	U-235	RAD	RAD	71495	0.39	0.15	PC/G	LT			TRUE	TRUE SOIL	
ARA2002SS180300	18-Aug-01 108179	U-238	RAD	RAD	71495	5.15	0.86	PC/G				TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARA2002SS960080	18-Aug-01 108179		AC-227	RAD	714R5	13.2	1.90	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		AC-228	RAD	713R6	1.22	0.40	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		AM-241	RAD	713R6	1.65	0.71	PCIG	TI			TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		BL-214	RAD	713R6	30.9	5.30	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		CO-60	RAD	713R6	0.08	0.11	PCIG	U			TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		CS-137	RAD	713R6	0.02	0.19	PCIG	U			TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		K-40	RAD	713R6	17.3	3.60	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		PA-231	RAD	713R6	30.1	6.40	PCIG	J			TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		PA-234M	RAD	713R6	39	27.00	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		PB-212	RAD	713R6	1.42	0.41	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		PB-214	RAD	713R6	40.1	6.60	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		RA-226	RAD	783R3	43.3	4.40	PCIG	YI			TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		TH-227	RAD	713R6	22	3.90	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		TH-228	RAD	714R5	1.16	0.24	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		TH-229	RAD	714R5	5.14	1.20	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		TH-230	RAD	714R5	4.05	51.00	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		TH-232	RAD	714R5	1.45	0.25	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		TH-234	RAD	713R6	2.5	3.30	PCIG	U			TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		TL-208	RAD	713R6	0.34	0.17	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		TOTACTIV	RAD	704R5	827	85.00	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		U-232	RAD	714R5	27.9	6.90	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		U-234	RAD	714R5	30.1	4.90	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		U-235	RAD	713R6	9.8	2.10	PCIG	TI			TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		U-235	RAD	714R5	1.53	0.65	PCIG				TRUE	TRUE SOIL	
ARA2002SS960080	18-Aug-01 108179		U-238	RAD	714R5	30.7	5.00	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		AC-227	RAD	714R5	0.86	0.20	PCIG	LT			TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		AC-228	RAD	713R6	1.68	0.43	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		AM-241	RAD	713R6	-0.1	0.15	PCIG	U			TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		BL-212	RAD	713R6	1.1	1.20	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		BL-214	RAD	713R6	1.64	0.39	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		CO-60	RAD	713R6	0.019	0.08	PCIG	U			TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		CS-137	RAD	713R6	0.102	0.09	PCIG	TI			TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		K-40	RAD	713R6	8.6	2.40	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		PA-231	RAD	713R6	-0.9	3.70	PCIG	U			TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		PA-234M	RAD	713R6	8	11.00	PCIG	U			TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		PB-212	RAD	713R6	2.03	0.42	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		PB-214	RAD	713R6	1.68	0.37	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		RA-226	RAD	783R3	1.42	0.30	PCIG	YI			TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		TH-228	RAD	714R5	1.82	0.29	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		TH-229	RAD	714R5	1.96	0.63	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		TH-230	RAD	714R5	2.13	0.32	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		TH-232	RAD	714R5	1.72	0.27	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		TH-234	RAD	713R6	1.97	0.98	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		TL-208	RAD	713R6	0.98	0.17	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		TOTACTIV	RAD	704R5	19.9	4.50	PCIG	J			TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		U-232	RAD	714R5	3.68	0.95	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		U-234	RAD	714R5	2.04	0.40	PCIG				TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		U-235	RAD	713R6	-0.04	0.46	PCIG	U			TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		U-235	RAD	714R5	0.164	0.08	PCIG	LT			TRUE	TRUE SOIL	
ARA2002SS961860	21-Aug-01 108194		U-238	RAD	714R5	1.71	0.35	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		AC-227	RAD	714R5	0.63	0.16	PCIG	LT			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		AC-228	RAD	713R6	0.5	0.16	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		AM-241	RAD	713R6	0.28	0.26	PCIG	TI			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		BL-212	RAD	713R6	0.8	0.55	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		BL-214	RAD	713R6	1.1	0.23	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		CO-60	RAD	713R6	0.027	0.04	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		CS-137	RAD	713R6	0.019	0.04	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		K-40	RAD	713R6	6.1	1.40	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		PA-231	RAD	713R6	0.6	1.30	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		PA-234M	RAD	713R6	3.9	7.10	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		PB-212	RAD	713R6	0.57	0.14	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		PB-214	RAD	713R6	1.28	0.25	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		RA-226	RAD	783R3	1.3	0.32	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-228	RAD	714R5	0.6	0.11	PCIG	LT			TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARA2001SS240360	18-Aug-01 108177		TH-229	RAD	714R5	2.94	0.59	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-230	RAD	714R5	10.7	1.40	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-232	RAD	714R5	0.62	0.11	PCIG	LT			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-234	RAD	713R6	1.26	0.96	PCIG	TI	J		TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TL-208	RAD	713R6	0.176	0.06	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TO/ACTIV	RAD	704R5	29.6	5.20	PCIG	J			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		U-232	RAD	714R5	2.74	0.69	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		U-234	RAD	714R5	1.53	0.29	PCIG	TI			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		U-235	RAD	713R6	0.34	0.31	PCIG	LT			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		U-238	RAD	714R5	0.058	0.04	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		AC-227	RAD	714R5	1.56	0.29	PCIG	J			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		AC-228	RAD	714R5	1.14	0.28	PCIG				TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		AM-241	RAD	713R6	0.5	0.19	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		BI-212	RAD	713R6	0.05	0.11	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		BI-214	RAD	713R6	1.14	0.74	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		CO-60	RAD	713R6	1.72	0.37	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		CS-137	RAD	713R6	0.037	0.05	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		K-40	RAD	713R6	-0.008	0.07	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		PA-231	RAD	713R6	7.1	1.90	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		PA-234M	RAD	713R6	0.1	2.60	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		PB-212	RAD	713R6	7.8	9.70	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		PB-214	RAD	713R6	0.7	0.18	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		RA-226	RAD	783R3	2.1	0.41	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-227	RAD	713R6	2.18	0.36	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-228	RAD	713R6	0.83	0.43	PCIG	LT			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-229	RAD	714R5	0.86	0.15	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-230	RAD	714R5	2.17	0.64	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-232	RAD	714R5	18.4	2.50	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-234	RAD	714R5	0.67	0.13	PCIG	LT			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TL-208	RAD	713R6	2.57	0.91	PCIG	J			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TOTAL/ACTIV	RAD	713R6	0.188	0.09	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		U-232	RAD	704R5	51.3	6.90	PCIG	J			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		U-234	RAD	714R5	2.78	0.68	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		U-235	RAD	714R5	3.24	0.52	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		U-238	RAD	713R6	0.81	0.36	PCIG	TI			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		AC-227	RAD	714R5	0.236	0.08	PCIG	LT			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		AC-228	RAD	714R5	3.1	0.50	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		AM-241	RAD	714R5	21.6	2.80	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		BI-212	RAD	713R6	1.95	0.73	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		BI-214	RAD	713R6	-0.02	0.43	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		CO-60	RAD	713R6	3	2.20	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		CS-137	RAD	713R6	34.7	6.40	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		K-40	RAD	713R6	-0.14	0.19	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		PA-231	RAD	713R6	0.15	0.17	PCIG	TI			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		PA-234M	RAD	713R6	11.4	3.50	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		PB-212	RAD	713R6	22.1	5.90	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		PB-214	RAD	713R6	1.2	33.00	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		RA-226	RAD	713R6	40.6	6.80	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-227	RAD	783R3	57.2	5.80	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-228	RAD	713R6	20.8	3.90	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-229	RAD	714R5	1.35	0.21	PCIG	J			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-230	RAD	714R5	2.81	0.61	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-232	RAD	714R5	549	68.00	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TH-234	RAD	714R5	2	0.29	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TL-208	RAD	713R6	22.5	4.50	PCIG	J			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		TOTAL/ACTIV	RAD	713R6	0.169	0.14	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		U-232	RAD	704R5	1160	120.00	PCIG	J			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		U-234	RAD	714R5	29.1	6.80	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		U-235	RAD	714R5	32.8	5.30	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		U-238	RAD	713R6	9.4	2.10	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		AC-227	RAD	714R5	1.61	0.65	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		AC-228	RAD	714R5	31.7	5.10	PCIG	U			TRUE	TRUE SOIL	
ARA2001SS240360	18-Aug-01 108177		AC-227	RAD	714R5	0.18	0.11	PCIG	LT	J		TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARA1004SS121740	18-Aug-01 108177		AC-228	RAD	713R6	0.48	0.28	PCIG				TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		AM-241	RAD	713R6	-0.069	0.07	PCIG	U	UJ		TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		BI-214	RAD	713R6	0.43	0.22	PCIG				TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		CO-60	RAD	713R6	0	0.06	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		CS-137	RAD	713R6	0	0.05	PCIG	U	U		TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		K-40	RAD	713R6	7	2.10	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		PA-231	RAD	713R6	0	1.40	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		PA-234M	RAD	713R6	2.7	8.50	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		PB-212	RAD	713R6	0.39	0.16	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		PB-214	RAD	713R6	0.41	0.15	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		RA-226	RAD	783R3	0.99	0.55	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		TH-228	RAD	714R5	0.51	0.11	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		TH-229	RAD	714R5	2.46	0.61	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		TH-230	RAD	714R5	1.58	0.24	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		TH-232	RAD	714R5	0.462	0.09	PCIG	LT			TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		TH-234	RAD	713R6	0.31	0.64	PCIG	U	UJ		TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		TOTACTIV	RAD	704R5	9.1	4.00	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		U-232	RAD	714R5	3.1	0.60	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		U-234	RAD	714R5	0.86	0.35	PCIG	U	UJ		TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		U-235	RAD	713R6	0.18	0.57	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		U-235	RAD	713R6	-0.21	0.28	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121740	18-Aug-01 108177		U-235	RAD	714R5	0.083	0.04	PCIG	LT			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		U-238	RAD	714R5	0.63	0.14	PCIG	LT			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		AC-227	RAD	714R5	7.04	0.98	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		AC-228	RAD	713R6	0.96	0.58	PCIG	U	UJ		TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		AM-241	RAD	713R6	0.18	0.57	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		BI-214	RAD	713R6	5.7	1.00	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		CO-60	RAD	713R6	-0.018	0.08	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		CS-137	RAD	713R6	-0.009	0.08	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		K-40	RAD	713R6	10.2	2.30	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		PA-231	RAD	713R6	6.6	4.10	PCIG	U	UJ		TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		PA-234M	RAD	713R6	2	13.00	PCIG	U	UJ		TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		PB-212	RAD	713R6	0.76	0.22	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		PB-214	RAD	713R6	7	1.20	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		RA-226	RAD	783R3	27.2	3.10	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		TH-227	RAD	713R6	4.14	0.98	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		TH-228	RAD	714R5	0.88	0.15	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		TH-229	RAD	714R5	2.96	0.60	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		TH-230	RAD	714R5	188	24.00	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		TH-232	RAD	714R5	1	0.16	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		TH-234	RAD	713R6	8.6	2.50	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		TL-208	RAD	713R6	0.224	0.10	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		TOTACTIV	RAD	704R5	330	34.00	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		U-232	RAD	714R5	12.4	2.70	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		U-234	RAD	714R5	13.5	2.10	PCIG	J			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		U-235	RAD	713R6	2.05	0.70	PCIG	TI			TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		U-235	RAD	714R5	0.6	0.24	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1004SS121380	18-Aug-01 108177		U-238	RAD	714R5	13.6	2.10	PCIG	J			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		AC-227	RAD	714R5	8.4	1.20	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		AC-228	RAD	713R6	1.03	0.35	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		AM-241	RAD	713R6	-0.01	0.34	PCIG	U	UJ		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		BI-214	RAD	713R6	11.7	2.50	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		CO-60	RAD	713R6	-0.12	0.21	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		CS-137	RAD	713R6	-0.01	0.14	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		K-40	RAD	713R6	9.1	2.80	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		PA-231	RAD	713R6	8.9	3.20	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		PA-234M	RAD	713R6	30	23.00	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		PB-212	RAD	713R6	1.05	0.33	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		PB-214	RAD	713R6	14.7	2.50	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		RA-226	RAD	783R3	21.1	2.40	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		TH-227	RAD	713R6	9.1	1.90	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		TH-228	RAD	714R5	0.77	0.14	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		TH-229	RAD	714R5	2.82	0.60	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		TH-230	RAD	714R5	220	28.00	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177		TH-232	RAD	714R5	1.24	0.19	PCIG	U			TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARA1004SS120720	18-Aug-01 108177	TH-234	RAD	RAD	713R6	14.2	3.00	PCIG	U	U		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TL-208	RAD	RAD	713R6	0.2	0.13	PCIG				TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TOTACTIV	RAD	RAD	704R5	412	42.00	PCIG	J	J		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-232	RAD	RAD	714R5	17.9	4.70	PCIG				TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-234	RAD	RAD	714R5	16.1	2.80	PCIG				TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-235	RAD	RAD	713R6	4.7	1.40	PCIG	TI			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-238	RAD	RAD	714R5	0.55	0.34	PCIG	LT			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-238	RAD	RAD	714R5	19.3	3.30	PCIG				TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	AC-227	RAD	RAD	713R6	0.75	0.24	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	AM-241	RAD	RAD	713R6	0.06	0.10	PCIG	U	UU		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	BI-214	RAD	RAD	713R6	0.87	0.23	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	CO-60	RAD	RAD	713R6	0.047	0.06	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	CS-137	RAD	RAD	713R6	0.002	0.06	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	K-40	RAD	RAD	713R6	14.4	3.10	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	PA-231	RAD	RAD	713R6	-2.3	2.00	PCIG	U	U		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	PA-234M	RAD	RAD	713R6	-0.9	9.70	PCIG	U	U		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	PB-212	RAD	RAD	713R6	1.01	0.23	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	PB-214	RAD	RAD	713R6	0.93	0.22	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	RA-226	RAD	RAD	783R3	2.43	0.48	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TH-228	RAD	RAD	714R5	0.67	0.14	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TH-229	RAD	RAD	714R5	2.73	0.62	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TH-230	RAD	RAD	714R5	1.28	0.20	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TH-232	RAD	RAD	714R5	0.77	0.14	PCIG	LT			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TH-254	RAD	RAD	713R6	0.82	0.92	PCIG	TI	J		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TL-208	RAD	RAD	713R6	0.3	0.10	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TOTACTIV	RAD	RAD	704R5	6	3.90	PCIG	J	J		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-232	RAD	RAD	714R5	3.13	0.67	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-234	RAD	RAD	714R5	0.84	0.17	PCIG	LT			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-235	RAD	RAD	713R6	0.07	0.29	PCIG	U	U		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-235	RAD	RAD	714R5	0.11	0.09	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-238	RAD	RAD	714R5	0.85	0.18	PCIG	LT			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	AC-227	RAD	RAD	714R5	11.9	1.60	PCIG	U	UU		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	AC-228	RAD	RAD	713R6	0.96	0.49	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	AM-241	RAD	RAD	713R6	-0.16	0.39	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	BI-214	RAD	RAD	713R6	15.7	3.30	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	CO-60	RAD	RAD	713R6	0.1	0.19	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	CS-137	RAD	RAD	713R6	0.01	0.13	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	K-40	RAD	RAD	713R6	9.8	3.10	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	PA-231	RAD	RAD	713R6	13.5	4.00	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	PA-234M	RAD	RAD	713R6	36	23.00	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	PB-212	RAD	RAD	713R6	0.73	0.29	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	PB-214	RAD	RAD	713R6	20.9	3.50	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	RA-226	RAD	RAD	783R3	32	3.40	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TH-227	RAD	RAD	713R6	11.6	2.30	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TH-228	RAD	RAD	714R5	1.02	0.17	PCIG	J	J		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TH-229	RAD	RAD	714R5	2.81	0.60	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TH-230	RAD	RAD	714R5	3.20	40.00	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TH-232	RAD	RAD	714R5	1.26	0.19	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TH-254	RAD	RAD	713R6	22.3	4.30	PCIG	J	J		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TL-208	RAD	RAD	713R6	0.22	0.13	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	TOTACTIV	RAD	RAD	704R5	683	70.00	PCIG	J	J		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-232	RAD	RAD	714R5	26.8	7.00	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-234	RAD	RAD	714R5	25.9	4.40	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-235	RAD	RAD	713R6	6.8	1.60	PCIG	TI			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-235	RAD	RAD	714R5	1.31	0.62	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	U-238	RAD	RAD	714R5	26.6	4.50	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	AC-227	RAD	RAD	714R5	23.9	3.60	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	AM-241	RAD	RAD	713R6	1.51	0.46	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	AM-241	RAD	RAD	713R6	2.2	1.10	PCIG	TI	J		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	BI-214	RAD	RAD	713R6	34.9	5.80	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	CO-60	RAD	RAD	713R6	0.03	0.11	PCIG	U	U		TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	CS-137	RAD	RAD	713R6	-0.08	0.16	PCIG	U			TRUE	TRUE SOIL	
ARA1004SS120720	18-Aug-01 108177	K-40	RAD	RAD	713R6	17	3.40	PCIG	U			TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARA1004SS241920	18-Aug-01 108177	PA-231	RAD	713R6	713R6	38.8	7.70	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	PA-234M	RAD	713R6	713R6	70	24.00	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	PB-212	RAD	713R6	713R6	1.15	0.35	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	RA-226	RAD	713R6	713R6	43.8	7.30	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-227	RAD	713R6	713R6	87	8.90	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-228	RAD	714R5	714R5	24.5	4.30	PCIG		J		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-229	RAD	714R5	714R5	1.36	0.28	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-230	RAD	714R5	714R5	2.46	0.68	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-232	RAD	714R5	714R5	659	89.00	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-234	RAD	714R5	714R5	1.53	0.27	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TOTAL	RAD	713R6	713R6	55.7	10.00	PCIG		J		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TOTAL	RAD	713R6	713R6	0.201	0.09	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-232	RAD	704R5	704R5	1500	150.00	PCIG		J		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-234	RAD	714R5	714R5	27.4	6.80	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-235	RAD	714R5	714R5	54.2	8.20	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-235	RAD	713R6	713R6	10.7	2.10	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-235	RAD	714R5	714R5	2.45	0.83	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-238	RAD	714R5	714R5	56.3	8.60	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	AC-227	RAD	714R5	714R5	0.34	0.13	PCIG		J		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	AC-228	RAD	713R6	713R6	0.71	0.21	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	AIW-241	RAD	713R6	713R6	0.14	0.30	PCIG		UJ		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	BI-212	RAD	713R6	713R6	0.89	0.63	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	BI-214	RAD	713R6	713R6	0.87	0.21	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	CO-60	RAD	713R6	713R6	0.229	0.05	PCIG		U		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	CS-137	RAD	713R6	713R6	0.063	0.06	PCIG		TI		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	K-40	RAD	713R6	713R6	11.6	2.40	PCIG		U		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	PA-231	RAD	713R6	713R6	-1	1.60	PCIG		U		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	PA-234M	RAD	713R6	713R6	4.5	7.60	PCIG		U		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	PB-212	RAD	713R6	713R6	0.94	0.20	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	PB-214	RAD	713R6	713R6	0.96	0.21	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	RA-226	RAD	783R3	783R3	2.85	0.59	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-228	RAD	714R5	714R5	0.87	0.16	PCIG		J		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-229	RAD	714R5	714R5	2.55	0.62	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-230	RAD	714R5	714R5	1.39	0.22	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-232	RAD	714R5	714R5	0.85	0.16	PCIG		LT		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-234	RAD	713R6	713R6	1.42	0.82	PCIG		TI		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TOTAL	RAD	713R6	713R6	0.248	0.08	PCIG		LT		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TOTAL	RAD	704R5	704R5	10.5	4.60	PCIG		J		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-232	RAD	714R5	714R5	2.91	0.70	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-234	RAD	714R5	714R5	0.86	0.19	PCIG		LT		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-235	RAD	713R6	713R6	-0.03	0.34	PCIG		U		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-235	RAD	714R5	714R5	0.048	0.04	PCIG		LT		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-238	RAD	714R5	714R5	1.02	0.22	PCIG		J		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	AC-227	RAD	714R5	714R5	0.38	0.14	PCIG		LT		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	AC-228	RAD	713R6	713R6	0.62	0.27	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	AIW-241	RAD	713R6	713R6	0.04	0.11	PCIG		UJ		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	BI-214	RAD	713R6	713R6	0.55	0.22	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	CO-60	RAD	713R6	713R6	-0.026	0.05	PCIG		U		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	CS-137	RAD	713R6	713R6	0.048	0.07	PCIG		U		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	K-40	RAD	713R6	713R6	10.3	2.70	PCIG		U		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	PA-231	RAD	713R6	713R6	-0.8	2.10	PCIG		U		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	PA-234M	RAD	713R6	713R6	1.1	9.50	PCIG		U		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	PB-212	RAD	713R6	713R6	0.86	0.22	PCIG		U		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	PB-214	RAD	713R6	713R6	0.62	0.18	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	RA-226	RAD	783R3	783R3	1.34	0.39	PCIG		LT		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-228	RAD	714R5	714R5	0.88	0.19	PCIG		J		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-229	RAD	714R5	714R5	2.86	0.60	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-230	RAD	714R5	714R5	1.95	0.22	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-232	RAD	714R5	714R5	0.74	0.12	PCIG		LT		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TH-234	RAD	713R6	713R6	1.38	0.83	PCIG		TI		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	TOTAL	RAD	713R6	713R6	0.26	0.11	PCIG		J		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-232	RAD	704R5	704R5	12.9	4.50	PCIG		J		TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-234	RAD	714R5	714R5	2.8	0.68	PCIG				TRUE	TRUE SOIL	
ARA1004SS241920	18-Aug-01 108177	U-234	RAD	714R5	714R5	1.11	0.22	PCIG				TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARA 1002SS120240	18-Aug-01 108177	U-235		RAD	713R6	0.12	0.31	PCIG	U	U		TRUE	TRUE SOIL	
ARA 1002SS120240	18-Aug-01 108177	U-235		RAD	714R5	0.086	0.05	PCIG	LT			TRUE	TRUE SOIL	
ARA 1002SS120240	18-Aug-01 108177	U-238		RAD	714R5	1.09	0.22	PCIG	LT			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	AC-227		RAD	714R5	0.59	0.16	PCIG	LT	J		TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	AC-228		RAD	713R6	1.03	0.35	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	Am-241		RAD	713R6	0.05	0.11	PCIG	U	UJ		TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	Bi-214		RAD	713R6	0.84	0.28	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	Co-60		RAD	713R6	-0.05	0.11	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	CS-137		RAD	713R6	0.088	0.09	PCIG	TI			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	K-40		RAD	713R6	14	3.50	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	PA-231		RAD	713R6	1	1.90	PCIG	U	U		TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	PA-234M		RAD	713R6	14	16.00	PCIG	TI			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	Pb-212		RAD	713R6	0.73	0.22	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	Pb-214		RAD	713R6	0.84	0.29	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	RA-226		RAD	783R3	1.51	0.29	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	Th-228		RAD	714R5	1.02	0.17	PCIG	J			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	Th-229		RAD	714R5	2.82	0.60	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	Th-230		RAD	714R5	3.53	0.48	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	Th-232		RAD	714R5	1.03	0.16	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	Th-234		RAD	713R6	1.15	0.72	PCIG	J			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	TL-208		RAD	713R6	0.29	0.11	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	TOTALACTIV		RAD	704R5	12.2	4.40	PCIG	J			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	U-232		RAD	714R5	2.6	0.69	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	U-234		RAD	714R5	1.6	0.30	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	U-235		RAD	713R6	0.3	0.37	PCIG	TI	U		TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	U-235		RAD	714R5	0.12	0.06	PCIG	LT			TRUE	TRUE SOIL	
ARA 1002SS060120	18-Aug-01 108177	U-238		RAD	714R5	1.81	0.33	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	AC-227		RAD	714R5	0.62	0.18	PCIG	LT	J		TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	AC-228		RAD	713R6	1.39	0.31	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	Am-241		RAD	713R6	0.2	0.30	PCIG	U	UJ		TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	Bi-212		RAD	713R6	1.01	0.29	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	Bi-214		RAD	713R6	1.4	0.85	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	Co-60		RAD	713R6	0	0.05	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	CS-137		RAD	713R6	0.005	0.05	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	K-40		RAD	713R6	8.9	1.90	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	PA-231		RAD	713R6	-0.5	1.80	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	PA-234M		RAD	713R6	7.4	7.30	PCIG	TI			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	Pb-212		RAD	713R6	1.69	0.32	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	Pb-214		RAD	713R6	1.51	0.29	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	RA-226		RAD	783R3	2.2	0.39	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	Th-228		RAD	714R5	1.63	0.29	PCIG	J			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	Th-229		RAD	714R5	2.71	0.61	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	Th-230		RAD	714R5	1.61	0.28	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	Th-232		RAD	714R5	1.85	0.23	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	Th-234		RAD	713R6	1.9	1.10	PCIG	TI	J		TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	TL-208		RAD	713R6	0.45	0.11	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	TOTALACTIV		RAD	704R5	13.8	4.30	PCIG	J			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	U-232		RAD	714R5	2.94	0.68	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	U-234		RAD	714R5	1.63	0.30	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	U-235		RAD	713R6	-0.03	0.33	PCIG	U	U		TRUE	TRUE SOIL	
ARA 1002SS122640	18-Aug-01 108177	U-238		RAD	714R5	1.77	0.07	PCIG	LT			TRUE	TRUE SOIL	
ARA 1002SS121980	18-Aug-01 108177	AC-227		RAD	714R5	0.98	0.21	PCIG	LT	J		TRUE	TRUE SOIL	
ARA 1002SS121980	18-Aug-01 108177	AC-228		RAD	713R6	0.35	0.39	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS121980	18-Aug-01 108177	Am-241		RAD	713R6	0.04	0.17	PCIG	U	UJ		TRUE	TRUE SOIL	
ARA 1002SS121980	18-Aug-01 108177	Bi-214		RAD	713R6	1.46	0.39	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS121980	18-Aug-01 108177	Co-60		RAD	713R6	0	0.10	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS121980	18-Aug-01 108177	CS-137		RAD	713R6	0.16	0.11	PCIG	TI			TRUE	TRUE SOIL	
ARA 1002SS121980	18-Aug-01 108177	K-40		RAD	713R6	9.3	2.80	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS121980	18-Aug-01 108177	PA-231		RAD	713R6	-2.1	2.90	PCIG	U	U		TRUE	TRUE SOIL	
ARA 1002SS121980	18-Aug-01 108177	PA-234M		RAD	713R6	11	15.00	PCIG	U	UJ		TRUE	TRUE SOIL	
ARA 1002SS121980	18-Aug-01 108177	Pb-212		RAD	713R6	0.62	0.21	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS121980	18-Aug-01 108177	Pb-214		RAD	713R6	1.78	0.40	PCIG	U			TRUE	TRUE SOIL	
ARA 1002SS121980	18-Aug-01 108177	RA-226		RAD	783R3	2.88	0.43	PCIG	U			TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARA1002SS121980	18-Aug-01 108177	TH-228	RAD	RAD	714R5	0.7	0.13	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-229	RAD	RAD	714R5	2.88	0.60	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-230	RAD	RAD	714R5	16.8	2.10	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-232	RAD	RAD	714R5	0.65	0.11	PCIG	LT			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-234	RAD	RAD	713R6	0.87	0.82	PCIG	TI	J		TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TL-208	RAD	RAD	713R6	0.175	0.10	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TOTALACTV	RAD	RAD	704R5	49.4	7.30	PCIG	J			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-232	RAD	RAD	714R5	3.05	0.70	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-234	RAD	RAD	714R5	2.34	0.41	PCIG	J			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-235	RAD	RAD	713R6	0.37	0.38	PCIG	TI	J		TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-235	RAD	RAD	714R5	0.141	0.06	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-238	RAD	RAD	714R5	2.4	0.42	PCIG	J			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	AC-227	RAD	RAD	714R5	0.5	0.14	PCIG	LT			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	AC-228	RAD	RAD	713R6	0.49	0.40	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	AM-241	RAD	RAD	713R6	0.12	0.13	PCIG	TI	UJ		TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	BI-214	RAD	RAD	713R6	0.87	0.34	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	CO-60	RAD	RAD	713R6	-0.044	0.07	PCIG	U			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	CS-137	RAD	RAD	713R6	0	0.07	PCIG	U			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	K-40	RAD	RAD	713R6	5.8	2.40	PCIG	U			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	PA-231	RAD	RAD	713R6	3.2	2.40	PCIG	U			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	PA-234M	RAD	RAD	713R6	10	18.00	PCIG	U			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	PB-212	RAD	RAD	713R6	0.48	0.22	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	PB-214	RAD	RAD	713R6	0.95	0.47	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	RA-226	RAD	RAD	783R3	0.89	0.48	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-228	RAD	RAD	714R5	0.65	0.12	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-229	RAD	RAD	714R5	3.19	0.59	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-230	RAD	RAD	714R5	6.53	0.85	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-232	RAD	RAD	714R5	0.534	0.10	PCIG	LT			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-234	RAD	RAD	713R6	2.4	0.93	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TL-208	RAD	RAD	713R6	0.152	0.10	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TOTALACTV	RAD	RAD	704R5	26.5	5.30	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-232	RAD	RAD	714R5	3.09	0.69	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-234	RAD	RAD	714R5	1.86	0.34	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-235	RAD	RAD	713R6	0.08	0.35	PCIG	U			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-238	RAD	RAD	714R5	0.18	0.07	PCIG	LT			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	AC-227	RAD	RAD	714R5	2.02	0.36	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	AC-228	RAD	RAD	714R5	5.65	0.81	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	AM-241	RAD	RAD	713R6	0.94	0.28	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	BI-212	RAD	RAD	713R6	0.28	0.48	PCIG	TI	UJ		TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	BI-214	RAD	RAD	713R6	1.6	1.40	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	CO-60	RAD	RAD	713R6	13	2.70	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	CS-137	RAD	RAD	713R6	-0.06	0.11	PCIG	U			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	K-40	RAD	RAD	713R6	0.12	0.16	PCIG	U			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	PA-231	RAD	RAD	713R6	15	3.50	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	PA-234M	RAD	RAD	713R6	5.1	2.60	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	PB-212	RAD	RAD	713R6	13	19.00	PCIG	U			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	PB-214	RAD	RAD	713R6	0.95	0.26	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	RA-226	RAD	RAD	713R6	15.4	2.60	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-227	RAD	RAD	783R3	11	1.40	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-228	RAD	RAD	713R6	7.1	1.60	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-229	RAD	RAD	714R5	0.82	0.14	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-230	RAD	RAD	714R5	2.85	0.60	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-232	RAD	RAD	714R5	129	16.00	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TH-234	RAD	RAD	714R5	1.1	0.17	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TL-208	RAD	RAD	713R6	9.5	2.30	PCIG	J			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	TOTALACTV	RAD	RAD	713R6	0.3	0.14	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-232	RAD	RAD	704R5	272	28.00	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-234	RAD	RAD	714R5	30.1	6.60	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-235	RAD	RAD	714R5	2.8	2.10	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-235	RAD	RAD	713R6	10.9	1.00	PCIG	TI			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	U-238	RAD	RAD	714R5	0.37	0.29	PCIG	LT			TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	AC-227	RAD	RAD	714R5	9.8	1.90	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	AC-228	RAD	RAD	714R5	1.88	0.33	PCIG				TRUE	TRUE SOIL	
ARA1002SS121980	18-Aug-01 108177	AC-228	RAD	RAD	713R6	0.61	0.20	PCIG				TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARA1002SS960080	18-Aug-01 108177		AM-241	RAD	713R6		0.3	0.37 PCIG	U	UJ		TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		Bi-212	RAD	713R6		0.65	0.63 PCIG				TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		Bi-214	RAD	713R6		2.63	0.68 PCIG				TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		CO-60	RAD	713R6		-0.007	0.05 PCIG	U			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		CS-137	RAD	713R6		-0.009	0.05 PCIG	U	U		TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		K-40	RAD	713R6		8.8	1.90 PCIG	TI			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		PA-231	RAD	713R6		3.9	1.90 PCIG	TI			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		PA-234M	RAD	713R6		8	8.80 PCIG	TI	J		TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		PB-212	RAD	713R6		0.8	0.18 PCIG	TI			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		PB-214	RAD	713R6		3.56	0.62 PCIG	TI			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		RA-226	RAD	783R3		4.73	0.66 PCIG	TI			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		TH-227	RAD	713R6		1.77	0.59 PCIG	LT			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		TH-228	RAD	714R5		0.86	0.15 PCIG	LT	J		TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		TH-229	RAD	714R5		2.88	0.60 PCIG	U			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		TH-230	RAD	714R5		39.3	4.90 PCIG	U			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		TH-232	RAD	714R5		0.71	0.12 PCIG	LT			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		TH-234	RAD	713R6		1.68	0.90 PCIG	J	J		TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		TL-208	RAD	713R6		0.212	0.07 PCIG	U			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		TOTACTIV	RAD	704R5		86	10.00 PCIG	J			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		U-232	RAD	714R5		2.84	0.67 PCIG	U			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		U-234	RAD	714R5		3.55	0.59 PCIG	U			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		U-235	RAD	713R6		0.96	0.49 PCIG	TI			TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		U-238	RAD	714R5		0.295	0.09 PCIG	LT	J		TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		U-238	RAD	714R5		3.78	0.58 PCIG	J	J		TRUE	TRUE SOIL	
ARA1002SS960080	18-Aug-01 108177		AC-227	RAD	714R5		0.38	0.14 PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		AC-228	RAD	713R6		0.7	0.23 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		AM-241	RAD	713R6		-0.06	0.18 PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		Bi-212	RAD	713R6		0.68	0.20 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		Bi-214	RAD	713R6		0.014	0.05 PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		CO-60	RAD	713R6		0.053	0.06 PCIG	TI			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		CS-137	RAD	713R6		12.4	2.50 PCIG	U	UJ		TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		K-40	RAD	713R6		-0.2	1.60 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		PA-231	RAD	713R6		3.2	8.60 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		PA-234M	RAD	713R6		1.03	0.22 PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		PB-212	RAD	713R6		0.99	0.22 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		PB-214	RAD	783R3		0.97	0.19 PCIG	LT	J		TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		RA-226	RAD	714R5		0.81	0.19 PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		TH-228	RAD	714R5		2	0.62 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		TH-229	RAD	714R5		1.45	0.23 PCIG	U	J		TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		TH-230	RAD	714R5		0.77	0.14 PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		TH-232	RAD	713R6		1.35	0.93 PCIG	TI			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		TH-234	RAD	713R6		0.244	0.08 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		TL-208	RAD	704R5		7.8	4.20 PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		TOTACTIV	RAD	714R5		3.04	0.70 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		U-232	RAD	714R5		0.99	0.21 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		U-234	RAD	713R6		-0.01	0.34 PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		U-235	RAD	714R5		0.026	0.03 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		U-238	RAD	714R5		0.94	0.20 PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS162300	17-Aug-01 108179		AC-227	RAD	714R5		0.48	0.15 PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		AC-228	RAD	713R6		0.34	0.37 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		AM-241	RAD	713R6		0.1	0.39 PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		Bi-212	RAD	713R6		1.7	1.30 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		Bi-214	RAD	713R6		-0.038	0.29 PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		CO-60	RAD	713R6		0.024	0.10 PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		CS-137	RAD	713R6		8.9	0.08 PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		K-40	RAD	713R6		-0.5	2.70 PCIG	U	UJ		TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		PA-231	RAD	713R6		2	16.00 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		PA-234M	RAD	713R6		0.69	0.23 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		PB-212	RAD	713R6		0.72	0.22 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		PB-214	RAD	783R3		0.82	0.20 PCIG	LT	J		TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		RA-226	RAD	714R5		0.84	0.19 PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		TH-228	RAD	714R5		2.37	0.61 PCIG	U			TRUE	TRUE SOIL	
ARA1001SS141100	17-Aug-01 108179		TH-230	RAD	714R5		3.53	0.49 PCIG	J	J		TRUE	TRUE SOIL	

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARA1001SS141100	17-Aug-01 108179		TH-232	RAD	714R5	0.73	0.13	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS141100	17-Aug-01 108179		TH-234	RAD	713R6	1.5	1.30	PC/G	TI			TRUE	TRUE	SOIL
ARA1001SS141100	17-Aug-01 108179		TL-208	RAD	713R6	0.24	0.12	PC/G				TRUE	TRUE	SOIL
ARA1001SS141100	TOTALTIV			RAD	704R5	16.1	4.30	PC/G				TRUE	TRUE	SOIL
ARA1001SS141100	U-232			RAD	714R5	2.87	0.68	PC/G				TRUE	TRUE	SOIL
ARA1001SS141100	U-234			RAD	714R5	0.93	0.19	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS141100	U-235			RAD	713R6	0.07	0.50	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS141100	U-238			RAD	714R5	0.079	0.04	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS141100	U-238			RAD	714R5	1.02	0.20	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS141100	AC-227			RAD	714R5	0.33	0.13	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS140280	AC-228			RAD	713R6	0.61	0.17	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	AM-241			RAD	713R6	0.01	0.25	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	BI-212			RAD	713R6	0.75	0.44	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	BI-214			RAD	713R6	0.77	0.19	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	CO-60			RAD	713R6	-0.333	0.04	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	CS-137			RAD	713R6	0.029	0.04	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	K-40			RAD	713R6	15.4	2.90	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	PA-231			RAD	713R6	0.6	1.30	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	PA-234M			RAD	713R6	0.8	6.60	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	PB-212			RAD	713R6	0.71	0.16	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	PB-214			RAD	713R6	0.77	0.17	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	RA-226			RAD	783R3	0.15	0.27	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	TH-228			RAD	714R5	1.04	0.19	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	TH-229			RAD	714R5	2.13	0.64	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	TH-230			RAD	714R5	1.13	0.19	PC/G	J			TRUE	TRUE	SOIL
ARA1001SS140280	TH-232			RAD	714R5	0.9	0.16	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS140280	TH-234			RAD	713R6	0.14	0.83	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	TL-208			RAD	713R6	0.174	0.06	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	TOTALTIV			RAD	704R5	10.2	4.10	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	U-232			RAD	714R5	3.1	0.66	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	U-234			RAD	714R5	0.84	0.28	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS140280	U-235			RAD	713R6	-0.02	0.17	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140280	U-238			RAD	714R5	0.029	0.03	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS140280	U-238			RAD	714R5	0.14	0.16	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS140140	AC-227			RAD	714R5	0.36	0.15	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS140140	AC-228			RAD	713R6	0.5	0.31	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	AM-241			RAD	713R6	0.17	0.39	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	BI-214			RAD	713R6	0.54	0.32	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	CO-60			RAD	713R6	-0.07	0.12	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	CS-137			RAD	713R6	0.03	0.10	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	K-40			RAD	713R6	12	3.10	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	PA-231			RAD	713R6	-0.2	2.90	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	PA-234M			RAD	713R6	10	17.00	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	PB-212			RAD	713R6	0.74	0.23	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	PB-214			RAD	713R6	0.59	0.22	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	RA-226			RAD	783R3	0.73	0.19	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS140140	TH-228			RAD	714R5	0.73	0.17	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS140140	TH-229			RAD	714R5	2	0.65	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	TH-230			RAD	714R5	0.75	0.15	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS140140	TH-232			RAD	714R5	0.69	0.14	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS140140	TH-234			RAD	713R6	0.5	1.50	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	TOTALTIV			RAD	704R5	10.8	4.80	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	U-232			RAD	714R5	3.04	0.67	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	U-234			RAD	714R5	0.72	0.16	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS140140	U-235			RAD	713R6	-0.2	0.52	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS140140	U-238			RAD	714R5	0.097	0.05	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS140140	U-238			RAD	714R5	0.71	0.16	PC/G	LT			TRUE	TRUE	SOIL
ARA1001SS981200	AC-227			RAD	713R6	1.08	0.56	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS981200	AC-228			RAD	713R6	0.07	0.13	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS981200	AM-241			RAD	713R6	0.79	0.40	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS981200	BI-214			RAD	713R6	-0.07	0.15	PC/G	U			TRUE	TRUE	SOIL
ARA1001SS981200	CO-60			RAD	713R6	0.14	0.16	PC/G	TI			TRUE	TRUE	SOIL

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
ARA1001SS081200	17-Aug-01 108179	K-40		RAD	713R6	22.5	6.20	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	PA-231		RAD	713R6	-3	2.90	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	PA-234M		RAD	713R6	9	24.00	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	PB-212		RAD	713R6	0.9	0.30	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	PB-214		RAD	713R6	0.89	0.30	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	RA-226		RAD	783R3	1	0.25	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-228		RAD	714R5	1.11	0.19	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-229		RAD	714R5	2.33	0.61	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-230		RAD	714R5	1.78	0.26	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-232		RAD	714R5	1.05	0.17	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-234		RAD	713R6	1.2	1.20	PCIG	TI			TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TL-208		RAD	713R6	0.24	0.16	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TOTACTIV		RAD	704R5	12.6	4.10	PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	U-232		RAD	714R5	2.74	0.67	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	U-234		RAD	714R5	1.11	0.22	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	U-235		RAD	713R6	-0.05	0.47	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	U-235		RAD	714R5	0.128	0.06	PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	U-238		RAD	714R5	1.21	0.23	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	AC-227		RAD	714R5	0.46	0.15	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	AC-228		RAD	713R6	1.02	0.24	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	AM-241		RAD	713R6	-0.06	0.18	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	BI-212		RAD	713R6	1.22	0.66	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	BI-214		RAD	713R6	0.62	0.19	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	CO-60		RAD	713R6	0.017	0.08	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	CS-137		RAD	713R6	0.048	0.05	PCIG	TI			TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	K-40		RAD	713R6	18.5	3.50	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	PA-231		RAD	713R6	-0.6	1.50	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	PA-234M		RAD	713R6	1.17	8.40	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	PB-212		RAD	713R6	1.17	0.24	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	PB-214		RAD	713R6	0.88	0.20	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	RA-226		RAD	783R3	1.16	0.25	PCIG		J		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-228		RAD	714R5	1.15	0.19	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-229		RAD	714R5	2.17	0.62	PCIG		J		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-230		RAD	714R5	1.95	0.29	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-232		RAD	714R5	0.97	0.16	PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-234		RAD	713R6	1.22	0.89	PCIG	TI			TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TL-208		RAD	713R6	0.273	0.08	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TOTACTIV		RAD	704R5	13.9	4.40	PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	U-232		RAD	714R5	2.94	0.68	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	U-234		RAD	714R5	0.91	0.19	PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	U-235		RAD	713R6	-0.26	0.31	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	U-235		RAD	714R5	0.066	0.04	PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	U-238		RAD	714R5	1.03	0.21	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	AC-227		RAD	714R5	0.39	0.15	PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	AC-228		RAD	713R6	0.74	0.50	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	AM-241		RAD	713R6	0.05	0.11	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	BI-214		RAD	713R6	0.67	0.36	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	CO-60		RAD	713R6	-0.09	0.14	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	CS-137		RAD	713R6	0.03	0.13	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	K-40		RAD	713R6	13.5	4.50	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	PA-231		RAD	713R6	-1.2	2.80	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	PA-234M		RAD	713R6	3	21.00	PCIG	U	U		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	PB-212		RAD	713R6	0.92	0.29	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	PB-214		RAD	713R6	0.98	0.29	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	RA-226		RAD	783R3	0.98	0.33	PCIG	LT	J		TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-228		RAD	714R5	0.91	0.17	PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-229		RAD	714R5	1.08	0.62	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-230		RAD	714R5	1.08	0.18	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-232		RAD	714R5	0.77	0.14	PCIG	LT			TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TH-234		RAD	713R6	0.66	0.75	PCIG	TI			TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TL-208		RAD	713R6	0.26	0.18	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	TOTACTIV		RAD	704R5	10.9	4.30	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	U-232		RAD	714R5	2.75	0.69	PCIG				TRUE	TRUE SOIL	
ARA1001SS081200	17-Aug-01 108179	U-234		RAD	714R5	0.89	0.19	PCIG	LT			TRUE	TRUE SOIL	

Compilation of Paragon Analytical, Inc.
Laboratory Radiological Results for Seaway Site Summer 2001 Investigation

SAMPLE_NO	COLL_DATE	Lab SDG	PARAMETER	FRACTION	METHOD	LAB_RESULT	UNCERTAINTY	UNITS	LAB_QUAL	DATA_QUAL	COMMENTS	VALIDATED	OK_TO_USE	MATRIX
APA1001SS060180	17-Aug-01 108179		U-235	RAD	713R6	-0.05	0.43	PC/G	U	U		TRUE	TRUE	TRUE SOIL
APA1001SS060180	17-Aug-01 108179		U-235	RAD	714R5	0.04	0.03	PC/G	LT			TRUE	TRUE	TRUE SOIL
APA1001SS060180	17-Aug-01 108179		U-238	RAD	714R5	0.86	0.20	PC/G	LT			TRUE	TRUE	TRUE SOIL

ATTACHMENT 3

(Table 4-4 from Technical Memorandum, Summer 2001 Subsurface Investigations at the Seaway Site – Areas A, B and C)

TCLP RESULTS

Table 4-4: TCLP Results Compared to Regulatory Limits (sheet 1 of 6)
(all results are in mg/L)

ANALYTE	SAMPLE ID	Regulatory Limit (MG/L)	COR0001												
			SS060180	SS060240	SS060960	SS120680	SS120780	SS122160	SS140140	SS140900	SS142060	SS142280	SS180420	SS060180	
1,1-DICHLOROETHENE		0.7	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
1,2-DICHLOROETHANE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.019 J	0.025 U	0.025 U	0.09	0.025 U	0.025 U	0.025 U	
1,4-DICHLOROBENZENE		7.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
2,4,5-TRICHLOROPHENOL		400	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	
2,4,6-TRICHLOROPHENOL		2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
2,4-D		10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
2,4-DINITROTOLUENE		0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
2-BUTANONE		200	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.027 J	0.1 U	0.1 U	0.1 U	0.1 U	
2-METHYLPHENOL		200	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.014 J	0.05 U	0.05 U	0.068	0.05 U	0.05 U	0.05 U	
3+4-METHYLPHENOL		200	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.14	0.05 U	0.012 J	0.73	0.054	0.05 U	0.05 U	
ALPHA-CHLORDANE		0.03	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	
ARSENIC		5	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.013 B	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	
BARIUM		100	0.81	1	1.2	1.3	1.3	4.7	0.94	1.5	19	1.6	0.9	0.82	
BENZENE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.0088 J	0.025 U	0.025 U	0.025 U	0.007 J	0.025 U	0.025 U	
CADMIUM		1	0.033	0.05	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0025 B	0.0007 U	0.0007 U	0.0017 B	0.028	0.17	
CARBON TETRACHLORIDE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
CHLORDANE		0.03	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	
CHLOROBENZENE		100	0.025 U	0.025 U	0.025 U	0.017 J	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
CHLOROFORM		6	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
CHROMIUM		5	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0048 B	0.0018 U	0.0023 B	
COPPER		N/A	0.033 B	0.17	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.073	0.11	
ENDRIN		0.02	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
GAMMA-BHC (LINDANE)		0.4	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	
GAMMA-CHLORDANE		0.03	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	
HEPTACHLOR		0.008	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	
HEPTACHLOR EPOXIDE		0.008	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	
HEXACHLOROBENZENE		0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
HEXACHLOROBUTADIENE		0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
HEXACHLOROETHANE		3	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
LEAD		5	0.0098 B	0.035	0.24	0.32	0.18	0.0075 B	0.012 B	0.75	0.038	0.0068 B	0.083	0.14	
MERCURY		0.2	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	
METHOXYCHLOR		10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
NITROBENZENE		2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
PENTACHLOROPHENOL		100	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	
PYRIDINE		5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
SELENIUM		1	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	
SILVER		5	0.0021 U	0.0021 U	0.0021 U	0.0023 B	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	
SILVEX		1	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	
TETRACHLOROETHENE		0.7	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
TOXAPHENE		0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
TRICHLOROETHENE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
VINYL CHLORIDE		0.2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	
ZINC		N/A	1.3	1.1	5.1	1.6	1.8	2.4	1.3	1.3	1.8	1.4	1.2	7.6	

U = Not Detected above stated detection limit

J = Estimated value

B = Detected at equal to or greater than the Instrument Detection Limit, but less than the Practical Quantitation Limit

Table 4-4: TCLP Results Compared to Regulatory Limits (sheet 2 of 6)
(all results are in mg/L)

ANALYTE	SAMPLE ID	Regulatory Limit (MG/L)	COR0002 COR0003 ARA1001S													
			SS120360	SS481800	SS122340	SS122460	SS122580	S060180	S061140	S081200	S140140	S140280	S141100	S162300		
1,1-DICHLOROETHENE		0.7	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		
1,2-DICHLOROETHANE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		
1,4-DICHLOROBENZENE		7.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
2,4,5-TRICHLOROPHENOL		400	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U		
2,4,6-TRICHLOROPHENOL		2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
2,4-D		10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		
2,4-DINITROTOLUENE		0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
2-BUTANONE		200	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U		
2-METHYLPHENOL		200	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
3+4-METHYLPHENOL		200	0.05 U	0.05 U	0.037 J	0.15	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.0096 J		
ALPHA-CHLORDANE		0.03	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U		
ARSENIC		5	0.0098 U	0.0098 U	0.027 B	0.012 B	0.056	0.023 B	0.015 B	0.0098 U	0.018 B	0.0098 B	0.011 B	0.011 B		
BARIUM		100	1.1	1.2	1.2	1.7	2.1	1.6	0.79 U	0.85 U	1.4	1.5	0.84 U	1.2		
BENZENE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		
CADMIUM		1	0.16	0.019	0.0007 U	0.011	0.0007 U	0.0007 U	0.042	0.0077 B	0.0007 U	0.0007 U	0.27	0.0007 U		
CARBON TETRACHLORIDE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		
CHLORDANE		0.03	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U		
CHLOROBENZENE		100	0.025 U	0.025 U	0.025 U	0.008 J	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		
CHLOROFORM		6	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		
CHROMIUM		5	0.0018 U	0.0025 B	0.0031 B	0.0078 B	0.003 B	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U		
COPPER		N/A	0.026 B	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.036 B	0.0017 U		
ENDRIN		0.02	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U		
GAMMA-BHC (LINDANE)		0.4	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U		
GAMMA-CHLORDANE		0.03	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U		
HEPTACHLOR		0.008	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U		
HEPTACHLOR EPOXIDE		0.008	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U		
HEXACHLOROBENZENE		0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
HEXACHLOROBUTADIENE		0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
HEXACHLOROETHANE		3	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
LEAD		5	0.24	0.21	0.0062 U	0.16	0.0062 U	0.017	0.051	0.0062 U	0.0062 U	0.014 B	0.22	0.11		
MERCURY		0.2	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U		
METHOXYCHLOR		10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		
NITROBENZENE		2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
PENTACHLOROPHENOL		100	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U		
PYRIDINE		5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
SELENIUM		1	0.011 U	0.011 U	0.011 B	0.011 U	0.011 U	0.028	0.011 U	0.011 U	0.011 U	0.011 U	0.025 B	0.011 U		
SILVER		5	0.0048 U	0.0026 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U		
SILVEX		1	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U		
TETRACHLOROETHENE		0.7	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		
TOXAPHENE		0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
TRICHLOROETHENE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U		
VINYL CHLORIDE		0.2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		
ZINC		N/A	13	11	0.41	3.5	0.51	1.2	2.8	0.44 U	0.14 U	0.86	21	4		

U = Not Detected above stated detection limit

J = Estimated value

B = Detected at equal to or greater than the Instrument Detection Limit, but less than the Practical Quantitation Limit

Table 4-4: TCLP Results Compared to Regulatory Limits (sheet 3 of 6)
(all results are in mg/L)

ANALYTE	SAMPLE ID	Regulatory Limit (MG/L)	ARA1002S	ARA1002S	ARA1002S	ARA1002S	ARA1002S	ARA1003S	ARA1003S	ARA1003S	ARA1004S	ARA1004S	ARA1004S	ARA1004S
			S060080	S060180	S121320	S121980	S122640	S060120	S120240	S241920	S060080	S060140	S061500	S120720
1,1-DICHLOROETHENE		0.7	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
1,2-DICHLOROETHANE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
1,4-DICHLOROBENZENE		7.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4,5-TRICHLOROPHENOL		400	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-TRICHLOROPHENOL		2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4-D		10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-DINITROTOLUENE		0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2-BUTANONE		200	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-METHYLPHENOL		200	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
3+4-METHYLPHENOL		200	0.05 U	0.05 U	0.05 U	0.025 J	0.05 U	0.05 U	0.05 U	0.011 J	0.05 U	0.05 U	0.05 U	0.05 U
ALPHA-CHLORDANE		0.03	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
ARSENIC		5	0.0098 U	0.0098 U	0.0098 U	0.016 B	0.018 B	0.012 B	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U
BARIUM		100	0.99	0.8 U	0.96	2.5	1.1	1.5	1.1	0.9	1.1	1.1	1.1	0.98
BENZENE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CADMIUM		1	0.081	0.046	0.0007 U	0.0007 U	0.0007 U	0.048	0.047	0.0075 B	0.037	0.038	0.0007 U	0.051
CARBON TETRACHLORIDE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CHLORDANE		0.03	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
CHLOROBENZENE		100	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.0037 J	0.025 U	0.025 U	0.025 U	0.025 U
CHLOROFORM		6	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CHROMIUM		5	0.0018 U	0.0018 U	0.0018 U	0.0062 B	0.0032 B	0.0048 U	0.0018 U	0.0018 U	0.0032 B	0.0018 U	0.0019 B	0.0022 B
COPPER		N/A	0.055	0.013 B	0.0017 U	0.0017 U	0.0017 U	0.026 B	0.035 B	0.0017 U	0.071	0.17	0.0017 U	0.0098 B
ENDRIN		0.02	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
GAMMA-BHC (LINDANE)		0.4	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
GAMMA-CHLORDANE		0.03	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
HEPTACHLOR		0.008	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
HEPTACHLOR EPOXIDE		0.008	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
HEXACHLOROBENZENE		0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HEXACHLOROBUTADIENE		0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HEXACHLOROETHANE		3	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
LEAD		5	0.072	0.012 B	0.12	0.051	0.0062 U	0.18	0.1	0.096	0.041	0.38	0.0062 U	0.3
MERCURY		0.2	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
METHOXYCHLOR		10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
NITROBENZENE		2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
PENTACHLOROPHENOL		100	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
PYRIDINE		5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
SELENIUM		1	0.011 U	0.011 U	0.011 U	0.014 B	0.011 U	0.03	0.041	0.011 B	0.011 U	0.014 B	0.011 U	0.011 U
SILVER		5	0.0028 U	0.0025 U	0.0021 U	0.0021 U	0.0048 U	0.0021 U	0.0021 U	0.0021 U	0.0048 U	0.0021 U	0.0023 U	0.0021 U
SILVEX		1	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
TETRACHLOROETHENE		0.7	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
TOXAPHENE		0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
TRICHLOROETHENE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
VINYL CHLORIDE		0.2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
ZINC		N/A	0.99	0.47	1.2	1.9	0.66	2.8	2.1	3.1	0.18 U	0.82	0.27 U	4.5

U = Not Detected above stated detection limit

J = Estimated value

B = Detected at equal to or greater than the Instrument Detection Limit, but less than the Practical Quantitation Limit

Table 4-4: TCLP Results Compared to Regulatory Limits (sheet 4 of 6)
(all results are in mg/L)

ANALYTE	SAMPLE ID	Regulatory Limit (MG/L)	ARA1004S	ARA1004S	ARA2001S	ARA2001S	ARA2001S	ARA2002S	ARA2002S	ARA2002S	ARA2002S	ARA2002S	ARC1001S	ARC1001S
			S121380	S121740	S060120	S060180	S240360	S061860	S080080	S081620	S180300	S242280	S060320	S120960
1,1-DICHLOROETHENE		0.7	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
1,2-DICHLOROETHANE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
1,4-DICHLOROBENZENE		7.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4,5-TRICHLOROPHENOL		400	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-TRICHLOROPHENOL		2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4-D		10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-DINITROTOLUENE		0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2-BUTANONE		200	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-METHYLPHENOL		200	0.05 U	0.0092 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
3+4-METHYLPHENOL		200	0.05 U	0.029 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
ALPHA-CHLORDANE		0.03	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
ARSENIC		5	0.0098 U	0.0098 U	0.016 B	0.0098 U	0.0098 U	0.02 B	0.0098 U	0.02 B	0.0098 U	0.019 B	0.0098 U	0.0098 U
BARIUM		100	1.2	0.53 U	1.4	0.73	0.81	0.87	1.4	1.5	1.4	1	0.72	0.43
BENZENE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CADMIUM		1	0.0084 B	0.0007 U	0.091	0.22	0.15	0.0018 B	0.02	0.0016 B	0.0042 B	0.0012 B	0.011	0.0007 U
CARBON TETRACHLORIDE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CHLORDANE		0.03	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
CHLOROBENZENE		100	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.0036 J	0.025 U	0.025 U	0.025 U
CHLOROFORM		6	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CHROMIUM		5	0.0018 U	0.0018 U	0.0037 B	0.0018 U	0.0018 U	0.002 U	0.0018 U	0.0018 U	0.0018 U	0.0038 U	0.0018 U	0.0035 U
COPPER		N/A	0.0017 U	0.0017 U	0.18	0.02 B	0.0017 U	0.0017 U	0.064	0.0017 U	0.012 B	0.0028 B	0.0087 B	0.0017 U
ENDRIN		0.02	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
GAMMA-BHC (LINDANE)		0.4	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
GAMMA-CHLORDANE		0.03	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
HEPTACHLOR		0.008	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
HEPTACHLOR EPOXIDE		0.008	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
HEXACHLOROBENZENE		0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HEXACHLOROBUTADIENE		0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HEXACHLOROETHANE		3	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
LEAD		5	0.38	0.0062 U	0.22	0.5	0.77	0.0062 U	0.02	0.0062 U	0.018	0.0062 U	0.02	0.0062 U
MERCURY		0.2	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
METHOXYCHLOR		10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
NITROBENZENE		2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
PENTACHLOROPHENOL		100	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
PYRIDINE		5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
SELENIUM		1	0.011 U	0.011 U	0.035	0.019 B	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.016 B	0.011 U	0.011 B
SILVER		5	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U
SILVEX		1	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
TETRACHLOROETHENE		0.7	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
TOXAPHENE		0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
TRICHLOROETHENE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
VINYL CHLORIDE		0.2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
ZINC		N/A	1.8	0.16 U	0.52	19	23	0.055 U	0.25	0.73	2.1	0.27	0.64	1.2

U = Not Detected above stated detection limit

J = Estimated value

B = Detected at equal to or greater than the Instrument Detection Limit, but less than the Practical Quantitation Limit

Table 4-4: TCLP Results Compared to Regulatory Limits (sheet 5 of 6)
(all results are in mg/L)

ANALYTE	SAMPLE ID	Regulatory Limit (MG/L)	ARC1002S	ARC1003S	ARC1003S	ARC1003S	ARC1003S	ARC1004S	ARC1004S	ARC1004S	ARC1008S	ARC1008S	ARC1008S	ARC1008S
			S121320	S060960	S061020	S120800	S121320	S120120	S242040	S242400	S060360	S060420	S120320	S120540
1,1-DICHLOROETHENE		0.7	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
1,2-DICHLOROETHANE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
1,4-DICHLOROBENZENE		7.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4,5-TRICHLOROPHENOL		400	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-TRICHLOROPHENOL		2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4-D		10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-DINITROTOLUENE		0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2-BUTANONE		200	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-METHYLPHENOL		200	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
3+4-METHYLPHENOL		200	0.05 U	0.05 U	0.05 U	0.29 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
ALPHA-CHLORDANE		0.03	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
ARSENIC		5	0.023 B	0.017 B	0.0098 U	0.0098 U	0.0098 U	0.013 B	0.0098 U	0.023 B	0.0098 U	0.0098 U	0.0098 U	0.0098 U
BARIUM		100	0.68	1	1.2	0.55	0.8	1	0.72	0.83	0.83	0.85	1.3	0.81
BENZENE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CADMIUM		1	0.001 B	0.1	0.016	0.0013 B	0.017	0.0064 B	0.0044 B	0.0049 B	0.0091 B	0.1	0.021	0.13
CARBON TETRACHLORIDE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CHLORDANE		0.03	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
CHLOROBENZENE		100	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CHLOROFORM		6	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CHROMIUM		5	0.03 B	0.012 B	0.0018 U	0.0051 B	0.024 B	0.0026 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U	0.0018 U
COPPER		N/A	0.0017 U	0.15	0.0027 B	0.0052 B	0.0017 U	0.081	0.0017 U	0.0017 U	0.0017 U	0.22	0.0017 U	0.021 B
ENDRIN		0.02	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
GAMMA-BHC (LINDANE)		0.4	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
GAMMA-CHLORDANE		0.03	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
HEPTACHLOR		0.008	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
HEPTACHLOR EPOXIDE		0.008	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
HEXACHLOROBENZENE		0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HEXACHLOROBUTADIENE		0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HEXACHLOROETHANE		3	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
LEAD		5	0.26	0.12	0.0062 U	0.008 B	0.15	0.019	0.8	1.2	0.0062 U	0.089	0.12	0.05
MERCURY		0.2	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
METHOXYCHLOR		10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
NITROBENZENE		2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
PENTACHLOROPHENOL		100	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
PYRIDINE		5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
SELENIUM		1	0.011 U	0.017 B	0.011 U	0.015 B	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
SILVER		5	0.0021 U	0.0021 U	0.0021 U	0.0023 B	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U	0.0021 U
SILVEX		1	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
TETRACHLOROETHENE		0.7	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
TOXAPHENE		0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
TRICHLOROETHENE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
VINYL CHLORIDE		0.2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
ZINC		N/A	11	1.5	0.33	0.42	11	0.42	4	2.8	2.7	19	3.5	16

U = Not Detected above stated detection limit

J = Estimated value

B = Detected at equal to or greater than the Instrument Detection Limit, but less than the Practical Quantitation Limit

Table 4-4: TCLP Results Compared to Regulatory Limits (sheet 6 of 6)
(all results are in mg/L)

ANALYTE	SAMPLE ID	Regulatory Limit (MG/L)	ARC2009S	ARC2009S	ARC2009S	ARC2013S	ARC2013S	ARC2013S
			S063960	S123900	S124440	S066360	S126240	S246600
1,1-DICHLOROETHENE		0.7	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
1,2-DICHLOROETHANE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
1,4-DICHLOROBENZENE		7.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4,5-TRICHLOROPHENOL		400	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,4,6-TRICHLOROPHENOL		2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4-D		10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2,4-DINITROTOLUENE		0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2-BUTANONE		200	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-METHYLPHENOL		200	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
3+4-METHYLPHENOL		200	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
ALPHA-CHLORDANE		0.03	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
ARSENIC		5	0.018 B	0.015 B	0.0098 U	0.069	0.011 B	0.0098 U
BARIUM		100	1.6 U	1.6	0.62	0.95	1.2	1.1
BENZENE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CADMIUM		1	0.016	0.013	0.03	0.022	0.03	0.0018 B
CARBON TETRACHLORIDE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CHLORDANE		0.03	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
CHLOROBENZENE		100	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CHLOROFORM		6	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
CHROMIUM		5	0.0018 U	0.0018 U	0.0018 U	0.0046 B	0.003 B	0.0018 U
COPPER		N/A	0.011 B	0.0048 B	0.0017 U	0.0017 U	0.0017 U	0.0017 U
ENDRIN		0.02	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
GAMMA-BHC (LINDANE)		0.4	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
GAMMA-CHLORDANE		0.03	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
HEPTACHLOR		0.008	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
HEPTACHLOR EPOXIDE		0.008	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
HEXACHLOROBENZENE		0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HEXACHLOROBUTADIENE		0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
HEXACHLOROETHANE		3	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
LEAD		5	0.032	0.064	0.14	0.064	0.0631	0.049
MERCURY		0.2	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
METHOXYCHLOR		10	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
NITROBENZENE		2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
PENTACHLOROPHENOL		100	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
PYRIDINE		5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
SELENIUM		1	0.013 B	0.02 B	0.011 U	0.023 B	0.011 U	0.018 B
SILVER		5	0.0042 B	0.0027 B	0.0021 U	0.0043 U	0.0022 U	0.0021 U
SILVEX		1	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
TETRACHLOROETHENE		0.7	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
TOXAPHENE		0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
TRICHLOROETHENE		0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
VINYL CHLORIDE		0.2	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
ZINC		N/A	2.3	4.8	14	1.8	1.4	2.8

U = Not Detected above stated detection limit

J = Estimated value

B = Detected at equal to or greater than the Instrument Detection Limit, but less than the Practical Quantitation Limit

ATTACHMENT 4

(Table 4-5 from Technical Memorandum, Summer 2001 Subsurface Investigations at the Seaway Site – Areas A, B and C)

**OTHER DISPOSAL FACILITY WASTE ACCEPTANCE CRITERIA
TEST RESULTS**

Table 4-5: Other Waste Disposal Characteristic Data

ANALYTE	SAMPLE ID	ARA1004 SS060080	ARA1004 SS120720	COR0001 SS060240	COR0001 SS140140	COR0001 SS180420
CYANIDE, TOTAL (mg/kg)		0.96 J	0.57 UJ	1.3 J	5.8 J	0.7 J
pH (standard pH units)		7.6 J	7.4 J	7.7 J	7.4 J	7.2 J
REACTIVE CYANIDE (mg/kg)		0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ
REACTIVE SULFIDE (mg/kg)		50 UJ	50 UJ	50 UJ	50 UJ	50 UJ

J = Estimated value

UJ = The material for analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

ATTACHMENT 5

(Table 4-3 from Technical Memorandum, Summer 2001 Subsurface Investigations at the Seaway Site – Areas A, B and C)

**LIMITED CHEMICAL RESULTS
FOR REMEDIATION WORKER PROTECTION CONSIDERATION**

Table 4-3: Chemical Results for Remediation Worker Protection Considerations

ANALYTE \ SAMPLE ID	COR0000SS120901	ARA1002SS121800	ARA1003SS121680
	(ug/kg)	(ug/kg)	(ug/kg)
VOLATILE ORGANICS			
1,1,1,2-TETRACHLOROETHANE	9.8 U	8.7 U	6700 U
1,1,1-TRICHLOROETHANE	9.8 U	8.7 U	6700 U
1,1,2,2-TETRACHLOROETHANE	9.8 U	8.7 U	6700 U
1,1,2-TRICHLOROETHANE	9.8 U	8.7 U	6700 U
1,1-DICHLOROETHANE	9.8 U	8.7 U	6700 U
1,1-DICHLOROETHENE	9.8 U	8.7 U	6700 U
1,1-DICHLOROPROPENE	9.8 U	8.7 U	6700 U
1,2,3-TRICHLOROBENZENE	9.8 U	10	6700 U
1,2,3-TRICHLOROPROPANE	9.8 U	8.7 U	6700 U
1,2,4-TRICHLOROBENZENE	9.8 U	6.2 J	6700 U
1,2,4-TRIMETHYLBENZENE	320	84	150000
1,2-DIBROMO-3-CHLOROPROPANE	20 U	17 U	13000 U
1,2-DIBROMOETHANE	9.8 U	8.7 U	6700 U
1,2-DICHLOROBENZENE	65	12	6700 U
1,2-DICHLOROETHANE	9.8 U	8.7 U	6700 U
1,2-DICHLOROPROPANE	9.8 U	8.7 U	6700 U
1,3,5-TRIMETHYLBENZENE	130	31	34000
1,3-DICHLOROBENZENE	2.3 J	7.1 J	6700 U
1,3-DICHLOROPROPANE	9.8 U	8.7 U	6700 U
1,4-DICHLOROBENZENE	21	31	6700 U
1-CHLOROHEXANE	9.8 U	8.7 U	6700 U
2,2-DICHLOROPROPANE	9.8 U	8.7 U	6700 U
2-BUTANONE	180	35 U	27000 U
2-CHLOROTOLUENE	9.8 U	8.7 U	6700 U
2-HEXANONE	39 U	35 U	27000 U
4-CHLOROTOLUENE	9.8 U	8.7 U	6700 U
4-METHYL-2-PENTANONE	39 U	35 U	27000 U
ACETONE	660	37	27000 U
BENZENE	9.9	12	1600 J
BROMOBENZENE	9.8 U	8.7 U	6700 U
BROMOCHLOROMETHANE	9.8 U	8.7 U	6700 U
BROMODICHLOROMETHANE	9.8 U	8.7 U	6700 U
BROMOFORM	9.8 U	8.7 U	6700 U
BROMOMETHANE	20 U	17 U	13000 U
CARBON DISULFIDE	23	8.7 U	6700 U
CARBON TETRACHLORIDE	9.8 U	8.7 U	6700 U
CHLOROBENZENE	9.8 U	8.7 U	6700 U
CHLOROETHANE	20 U	17 U	13000 U
CHLOROFORM	9.8 U	8.7 U	6700 U
CHLOROMETHANE	20 U	17 U	13000 U
CIS-1,2-DICHLOROETHENE	9.8 U	2.4 J	6700 U
CIS-1,3-DICHLOROPROPENE	9.8 U	8.7 U	6700 U
DIBROMOCHLOROMETHANE	9.8 U	8.7 U	6700 U
DIBROMOMETHANE	9.8 U	8.7 U	6700 U
DICHLORODIFLUOROMETHANE	20 U	17 U	13000 U
ETHYLBENZENE	390 J	8.7 U	670000
HEXACHLOROBUTADIENE	9.8 U	8.7 U	6700 U
IODOMETHANE	9.8 U	8.7 U	6700 U
ISOPROPYLBENZENE	120	200	5600 J
M+P-XYLENE	460	120000	560000

Table 4-3: Chemical Results for Remediation Worker Protection Considerations

ANALYTE \ SAMPLE ID	COR0000SS120901	ARA1002SS121800	ARA1003SS121680
METHYL TERTIARY BUTYL ETHER	9.8 U	8.7 U	6700 U
METHYLENE CHLORIDE	9.8 U	8.7 U	1800 J
NAPHTHALENE	98	38	49000
N-BUTYLBENZENE	12	3.7 J	15000
N-PROPYLBENZENE	61	64	11000
O-XYLENE	210	31000	130000
P-ISOPROPYLTOLUENE	90	15	9700
SEC-BUTYLBENZENE	15	8.7 U	6200 J
STYRENE	40	8.7 U	35000
TERT-BUTYLBENZENE	9.8 U	8.7 U	6700 U
TETRACHLOROETHENE	9.8 U	2.9 J	6700 U
TOLUENE	87	5700	8400
TRANS-1,2-DICHLOROETHENE	9.8 U	8.7 U	6700 U
TRANS-1,3-DICHLOROPROPENE	9.8 U	8.7 U	6700 U
TRICHLOROETHENE	9.8 U	8.7 U	6700 U
TRICHLOROFLUOROMETHANE	9.8 U	8.7 U	6700 U
TRICHLOROTRIFLUOROETHANE	9.8 U	8.7 U	6700 U
VINYL ACETATE	39 U	35 U	27000 U
VINYL CHLORIDE	20 U	17 U	13000 U
SEMI-VOLATILE ORGANICS			
1,2,4-TRICHLOROBENZENE	5000 U		
1,2-DICHLOROBENZENE	660 J		
1,3-DICHLOROBENZENE	5000 U		
1,4-DICHLOROBENZENE	5000 U		
2,3,4,6-TETRACHLOROPHENOL	25000 U		
2,4,5-TRICHLOROPHENOL	5000 U		
2,4,6-TRICHLOROPHENOL	5000 U		
2,4-DICHLOROPHENOL	5000 U		
2,4-DIMETHYLPHENOL	5000		
2,4-DINITROPHENOL	12000 U		
2,4-DINITROTOLUENE	5000 U		
2,6-DINITROTOLUENE	5000 U		
2-CHLORONAPHTHALENE	5000 U		
2-CHLOROPHENOL	5000 U		
2-METHYLNAPHTHALENE	1400 J		
2-METHYLPHENOL	5000 U		
2-NITROANILINE	12000 U		
2-NITROPHENOL	5000 U		
3,3'-DICHLOROBENZIDINE	12000 U		
3-NITROANILINE	12000 U		
4,6-DINITRO-2-METHYLPHENOL	12000 U		
4-BROMOPHENYL PHENYL ETHER	5000 U		
4-CHLORO-3-METHYLPHENOL	5000 U		
4-CHLOROANILINE	5000 U		
4-CHLOROPHENYL PHENYL ETHER	5000 U		
4-METHYLPHENOL	15000		
4-NITROANILINE	12000 U		
4-NITROPHENOL	12000 U		
ACENAPHTHENE	1200 J		
ACENAPHTHYLENE	5000 U		
ANILINE	12000 U		

Table 4-3: Chemical Results for Remediation Worker Protection Considerations

ANALYTE	SAMPLE ID	COR0000SS120901	ARA1002SS121800	ARA1003SS121680
ANTHRACENE		3000 J		
AZOBENZENE		5000 U		
BENZO(A)ANTHRACENE		4200 J		
BENZO(A)PYRENE		3500 J		
BENZO(B)FLUORANTHENE		5600		
BENZO(G,H,I)PERYLENE		5000 U		
BENZO(K)FLUORANTHENE		2000 J		
BENZOIC ACID		12000 U		
BENZYL ALCOHOL		5000 U		
BIS(2-CHLOROETHYL)ETHER		5000 U		
BIS(2-CHLOROISOPROPYL)ETHER		5000 U		
BIS(2-ETHYLHEXYL)PHTHALATE		45000		
BUTYL BENZYL PHTHALATE		2200 J		
CARBAZOLE		1200 J		
CHRYSENE		3800 J		
DIBENZO(A,H)ANTHRACENE		5000 U		
DIBENZOFURAN		1000 J		
DIETHYL PHTHALATE		5000 U		
DIMETHYL PHTHALATE		5000 U		
DI-N-BUTYL PHTHALATE		690 J		
DI-N-OCTYL PHTHALATE		5000 U		
FLUORANTHENE		9500		
FLUORENE		2000 J		
HEXACHLOROBENZENE		5000 U		
HEXACHLOROBUTADIENE		5000 U		
HEXACHLOROCYCLOPENTADIENE		5000 U		
HEXACHLOROETHANE		5000 U		
INDENO(1,2,3-CD)PYRENE		5000 U		
ISOPHORONE		5000 U		
NAPHTHALENE		1500 J		
NITROBENZENE		5000 U		
N-NITROSODIMETHYLAMINE		5000 U		
N-NITroso-DI-N-PROPYLAMINE		5000 U		
N-NITROSODIPHENYLAMINE		920 J		
PENTACHLOROPHENOL		12000 U		
PHENANTHRENE		9500		
PHENOL		2500 J		
PYRENE		11000		
PYRIDINE		5000 U		
PCBs				
AROCLOR-1016		660		
AROCLOR-1221		300 U		
AROCLOR-1232		150 U		
AROCLOR-1242		150 U		
AROCLOR-1248		1200 J		
AROCLOR-1254		150 U		
AROCLOR-1260		150 U		
PESTICIDES				
4,4'-DDD		5 U		
4,4'-DDE		5 U		

Table 4-3: Chemical Results for Remediation Worker Protection Considerations

ANALYTE	SAMPLE ID	COR0000SS120901	ARA1002SS121800	ARA1003SS121680
4,4'-DDT		5 U		
ALDRIN		2.5 U		
ALPHA-BHC		2.5 U		
ALPHA-CHLORDANE		2.5 U		
BETA-BHC		2.5 U		
DELTA-BHC		2.5 U		
DIELDRIN		5 U		
ENDOSULFAN I		2.5 U		
ENDOSULFAN II		5 U		
ENDOSULFAN SULFATE		5 U		
ENDRIN		5 U		
ENDRIN ALDEHYDE		5 U		
ENDRIN KETONE		5 U		
GAMMA-BHC (LINDANE)		2.5 U		
GAMMA-CHLORDANE		2.5 U		
HEPTACHLOR		2.5 U		
HEPTACHLOR EPOXIDE		2.5 U		
METHOXYCHLOR		25 U		
TOXAPHENE		250 U		
METALS				
ALUMINUM		23000		
ANTIMONY		10		
ARSENIC		17		
BARIUM		120		
BERYLLIUM		0.39		
CADMIUM		12		
CALCIUM		18000		
CHROMIUM		100		
COBALT		9.8		
COPPER		1700		
IRON		88000		
LEAD		690		
MAGNESIUM		4300		
MANGANESE		1100		
MERCURY		0.29		
NICKEL		98		
POTASSIUM		1300		
SELENIUM		1.6 U		
SILVER		3.4		
SODIUM		890		
THALLIUM		1.7 U		
VANADIUM		20		
ZINC		2400		

U = Not Detected above stated detection limit

J = Estimated value