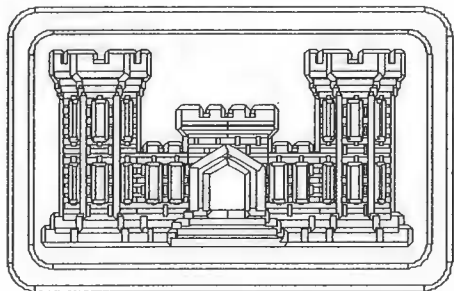
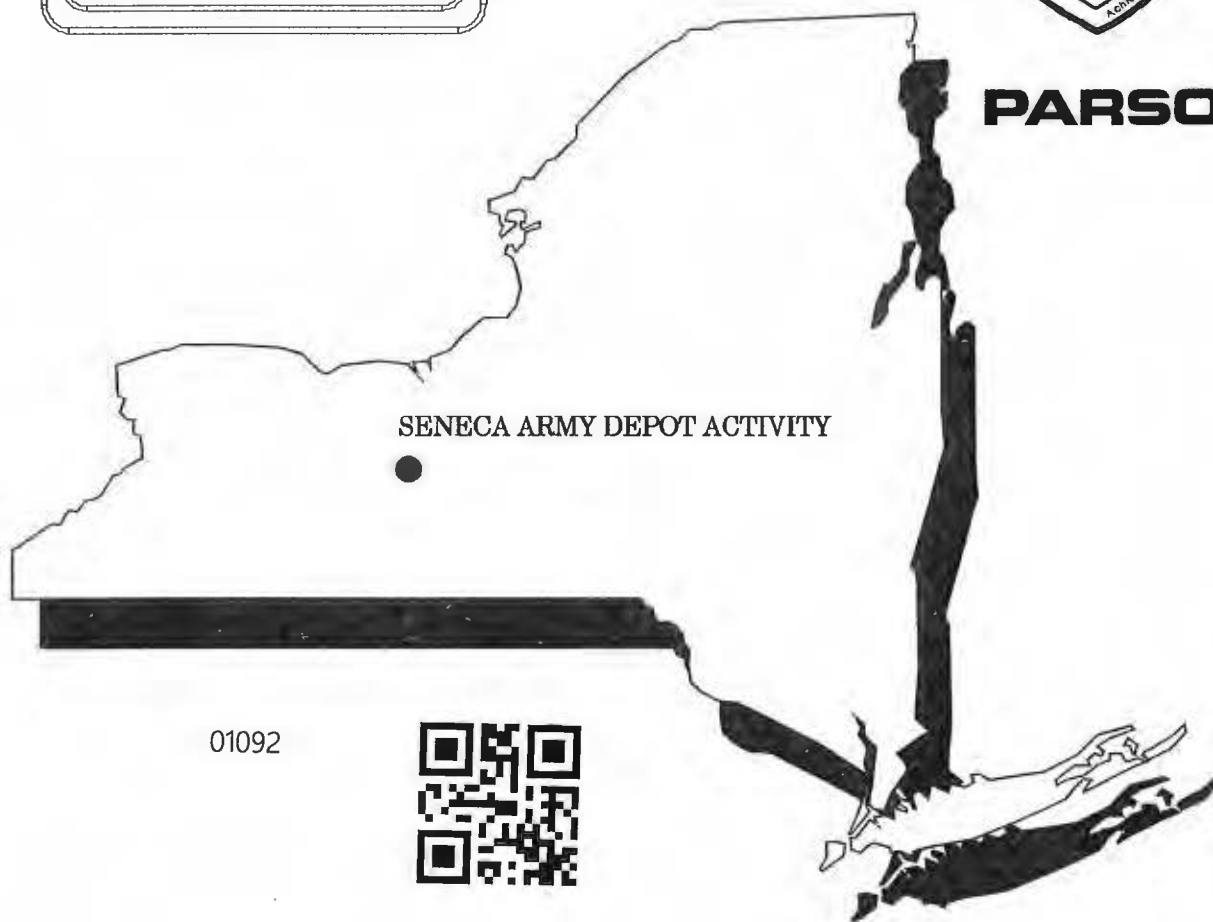


U.S. ARMY ENGINEER DIVISION
HUNTSVILLE, ALABAMA



PARSONS



01092



**SENECA QUARTERLY REPORT
QUALITY ASSURED DATA**

SENECA ARMY DEPOT ACTIVITY (SEDA)

APRIL 2004

**QUARTERLY REPORT
QUALITY ASSURED DATA RECEIVED
BY MARCH 31, 2004**

FOR

**SEAD-48
ASH LANDFILL
SMALL ARMS RANGE – AIRFIELD (SEAD-122B)**

Prepared for:

SENECA ARMY DEPOT ACTIVITY
ROMULUS, NEW YORK 14541

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April 2004

**QUARTERLY REPORT
QUALITY ASSURED DATA RECEIVED
BETWEEN JANUARY 1, 2004 AND MARCH 31, 2004**

ATTACHMENT 1 – SEAD-48 SOIL DATA

- Table 1 – Summary of Detected Soil COC Concentrations Greater Than DCGLw
- Groundwater Sampling Results – SDG 89747

ATTACHMENT 2 – SEAD-48 GROUNDWATER DATA

- Table 2 – Summary of Groundwater Sample Results
- Soil Sampling Results – SDG 86840
- Soil Sampling Results – SDG 84843

ATTACHMENT 3 - ASH LANDFILL AND SEAD-122B

Data presented in associated reports submitted in February 2004 and therefore not presented in this report

Attachment 1

SEAD-48 SOIL DATA

Table 1 – Summary of Detected Soil COC Concentrations Greater Than DCGLw
Soil Sampling Results – SDG 86840
Soil Sampling Results – SDG 84843

Table 1
Detected Concentrations Greater than DCGL_w
Soil Boring Samples
SEAD-48 Final Status Surveys
Seneca Army Depot Activity

Igloo	Location	Sample ID	Parameter ⁽¹⁾	DCGL _w ⁽²⁾	Lab Result	Uncertainty (+/-)	Units	Qualifier ⁽³⁾	MDL ⁽⁴⁾	DCGL _w Comparison
E0804	SB07	IGLOO 804-SB07; 0-0.5 ft	Radium-226	1.7	3.73	0.43	pCi/g ⁽⁵⁾		0.05	Greater than DCGL _w
E0804	SB09	IGLOO 804-SB09; 0-0.5 ft	Radium-226	1.7	4.14	0.48	pCi/g		0.05	Greater than DCGL _w
E0804	SB11	IGLOO 804-SB11; 0-0.5 ft	Radium-226	1.7	3.27	0.42	pCi/g		0.09	Greater than DCGL _w
E0805	SB12	IGLOO 805-SB12; 0-0.5 ft	Radium-226	1.7	2.83	0.31	pCi/g		0.08	Greater than DCGL _w
E0805	SB14	IGLOO 805-SB14; 0-4 in	Lead-210	5.6	18	16.2	pCi/g		15.4	Greater than DCGL _w
E0805	SB14	IGLOO 805-SB14; 0-4 in	Radium-226	1.7	9.54	0.92	pCi/g		0.12	Greater than DCGL _w
E0805	SB14	IGLOO 805-SB14A; 0-4 in	Lead-210	5.6	97.1	27.4	pCi/g	J	24.2	Greater than DCGL _w
E0805	SB14	IGLOO 805-SB14A; 0-4 in	Radium-226	1.7	218	24.8	pCi/g		0.19	Greater than DCGL _w
E0805	SB14	IGLOO 805-SB14A; 0-4 in	Thorium-230	54	218	24.8	pCi/g		0.19	Greater than DCGL _w
E0805	SB14	IGLOO 805-SB14A; 0-4 in	Uranium-234	180	267	30.5	pCi/g		0.52	Greater than DCGL _w
E0805	SB14	IGLOO 805-SB14A; 0-4 in	Uranium-238	98	146	28.9	pCi/g		6.5	Greater than DCGL _w
E0806	SB17	IGLOO 806-SB17; 0-0.5 ft	Lead-210	5.6	7.51	9.75	pCi/g		6.3	Greater than DCGL _w
E0806	SB18	IGLOO 806-SB18; 0-0.5 ft	Radium-226	1.7	14.6	1.72	pCi/g		0.13	Greater than DCGL _w
E0806	SB18	IGLOO 806-SB18; 0.5-2 ft	Radium-226	1.7	1.91	0.26	pCi/g		0.07	Greater than DCGL _w
E0806	SB20	IGLOO 806-SB20; 0-0.5 ft	Lead-210	5.6	16.8	9.17	pCi/g		8.7	Greater than DCGL _w
E0806	SB20	IGLOO 806-SB20; 0-0.5 ft	Radium-226	1.7	15.9	1.79	pCi/g		0.12	Greater than DCGL _w
E0806	SB20	IGLOO 806-SB20; 0.5-2 ft	Radium-226	1.7	5.28	0.70	pCi/g		0.07	Greater than DCGL _w
E0811	SB40	IGLOO 811-SB40-1; 0-0.5 ft	Radium-226	1.7	6.07	0.77	pCi/g	J	0.08	Greater than DCGL _w
E0811	SB40	IGLOO 811-SB40-2; 0-0.5 ft	Radium-226	1.7	6.35	0.59	pCi/g	J	0.09	Greater than DCGL _w
E0811	SB41	IGLOO 811-SB41; 0-0.5 ft	Lead-210	5.6	55.4	18.4	pCi/g		19.3	Greater than DCGL _w
E0811	SB41	IGLOO 811-SB41; 0-0.5 ft	Radium-226	1.7	74.4	6.6	pCi/g	J	0.27	Greater than DCGL _w
E0811	SB41	IGLOO 811-SB41; 0-0.5 ft	Thorium-230	54	74.4	6.6	pCi/g	J	0.27	Greater than DCGL _w

Notes:

- (1) Only radionuclides of concern with detected concentrations greater than the DCGL_w are listed.
- (2) DCGL_w = Derived concentration guideline level, wide-area. Soil DCGL_w's from ANL, 2003.
- (3) J = Indicates an estimated value. The result was greater than the detection limit, but less than the reporting limit.
- (4) MDL = method detection limit.
- (5) pCi/g = picocuries per gram.

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Actinium-228	0.401	0.176	14331-83-0	PCI/G		0.163	0.800	
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Americium-241	0.00	0.130	14596-10-2	PCI/G	UUI	0.207	0.200	UJ
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Antimony-124	-0.0117	0.0384	14683-10-4	PCI/G	U	0.0572	0.100	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Antimony-125	0.00	0.106	14234-35-6	PCI/G	UUI	0.134	0.200	UJ
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Barium-133	0.041	0.0378	13981-41-4	PCI/G	U	0.0568	0.100	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Barium-140	0.492	0.702	14798-08-4	PCI/G	U	0.999	0.500	UJ
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Beryllium-7	0.242	0.490	13966-02-4	PCI/G	U	0.519	0.700	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Bismuth-212	0.300	0.237	14913-49-6	PCI/G	U	0.322	0.500	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Bismuth-214	28.7	3.27	14733-03-0	PCI/G		0.0779	0.200	
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Cerium-139	0.0145	0.0364		PCI/G	U	0.0543	0.050	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Cerium-141	0.00	0.139	13967-74-3	PCI/G	UUI	0.162	0.100	UJ
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Cerium-144	-0.115	0.202	14762-78-8	PCI/G	U	0.340	0.500	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Cesium-134	-0.00629	0.0281	13967-70-9	PCI/G	U	0.047	0.100	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Cesium-136	0.213	0.270	14234-29-8	PCI/G	U	0.389	0.300	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Cesium-137	0.0348	0.027	10045-97-3	PCI/G	U	0.041	0.100	UJ
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Chromium-51	-0.892	0.538	14392-02-0	PCI/G	U	0.892	0.600	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Cobalt-56	0.00256	0.034		PCI/G	U	0.057	0.100	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Cobalt-57	0.0136	0.0298	13981-50-5	PCI/G	U	0.0417	0.050	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Cobalt-58	0.000475	0.038	13981-38-9	PCI/G	U	0.0554	0.100	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Cobalt-60	-0.0154	0.0292	10198-40-0	PCI/G	U	0.0486	0.100	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Europium-152	-0.0576	0.0826	14683-23-9	PCI/G	U	0.139	0.200	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Europium-154	0.121	0.0954	15585-10-1	PCI/G	U	0.143	0.500	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Europium-155	-0.0699	0.104	14391-16-3	PCI/G	U	0.159	0.500	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Iridium-192	0.00125	0.0391	14694-69-0	PCI/G	U	0.059	0.100	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Iron-59	-0.146	0.0902	14596-12-4	PCI/G	U	0.141	0.300	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Lead-210	19.9	4.47	14255-04-0	PCI/G		4.05	4.00	J
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Lead-212	0.402	0.0898	15092-94-1	PCI/G		0.083	0.100	J
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Lead-214	35.4	3.72	15067-28-4	PCI/G		0.0955	0.100	
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Manganese-54	0.0189	0.047	13966-31-9	PCI/G	U	0.0462	0.100	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Mercury-203	-0.0961	0.0488	13982-78-0	PCI/G	U	0.0809	0.100	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Neodymium-147	2.02	1.82	14269-74-0	PCI/G	U	2.65	1000	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Neptunium-239	-0.0165	0.171	13968-59-7	PCI/G	U	0.292	2.00	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Niobium-94	0.00	0.0382	14681-63-1	PCI/G	UUI	0.0431	1.00	UJ
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Niobium-95	0.00	0.216	13967-76-5	PCI/G	UUI	0.147	0.050	UJ
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Potassium-40	8.59	0.878	13966-00-2	PCI/G		0.472	1.00	
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Promethium-144	0.00612	0.0226		PCI/G	U	0.0387	0.080	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Promethium-146	0.00	0.0497		PCI/G	UUI	0.0591	1.00	UJ
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Radium-226	28.7	3.27	13982-63-3	PCI/G		0.0779	1.00	

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Radium-228	0.401	0.176	15262-20-1	PCI/G		0.163	0.500	
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Ruthenium-106	-0.131	0.206	13967-48-1	PCI/G	U	0.350	0.800	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Silver-110m	-0.0127	0.0228		PCI/G	U	0.0386	0.080	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Sodium-22	0.0437	0.0344	13966-32-0	PCI/G	U	0.0517	0.080	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Thallium-208	0.0928	0.0383	14913-50-9	PCI/G		0.0427	0.080	J
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Thorium-230	28.7	3.27	14269-63-7	PCI/G		0.0779	1.00	
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Thorium-234	22.8	4.45	15065-10-8	PCI/G		1.75	2.00	
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Tin-113	0.000871	0.0459	13966-06-8	PCI/G	U	0.0678	0.100	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Uranium-235	2.26	0.502	15117-96-1	PCI/G		0.384	0.500	
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Uranium-238	22.8	4.45	7440-61-1	PCI/G		1.75	1.00	
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Yttrium-88	0.00	0.0323	13982-36-0	PCI/G	UUI	0.0534	0.100	UJ
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Zinc-65	0.00	0.0857	13982-39-3	PCI/G	UUI	0.130	0.300	UJ
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Zirconium-95	-0.0635	0.0593	13967-71-0	PCI/G	U	0.0976	0.200	U
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Thorium-232	0.388	0.0866	7440-29-1	PCI/G		0.080	0.500	J
IGLOO 804-East Drain	SAMPLE	08/23/03	08/26/03	09/01/03	09/28/03	Uranium-234	35.4	4.26	13966-29-5	PCI/G		0.196	1.00	
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Actinium-228	0.291	1.01	14331-83-0	PCI/G	U	1.72	0.800	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Americium-241	0.0975	1.32	14596-10-2	PCI/G	U	2.43	0.200	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Antimony-124	0.00402	0.448	14683-10-4	PCI/G	U	0.685	0.100	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Antimony-125	0.00	1.46	14234-35-6	PCI/G	UUI	1.39	0.200	UUI
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Barium-133	0.143	0.377	13981-41-4	PCI/G	U	0.578	0.100	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Barium-140	17.8	17.4	14798-08-4	PCI/G	U	21.9	0.500	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Beryllium-7	-0.924	4.42	13966-02-4	PCI/G	U	6.51	0.700	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Bismuth-212	-0.253	1.93	14913-49-6	PCI/G	U	3.33	0.500	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Bismuth-214	228	20.2	14733-03-0	PCI/G		0.799	0.200	
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Cerium-139	0.338	0.368		PCI/G	U	0.565	0.050	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Cerium-141	0.00	1.51	13967-74-3	PCI/G	UUI	2.07	0.100	UUI
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Cerium-144	-1.19	2.00	14762-78-8	PCI/G	U	3.45	0.500	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Cesium-134	-0.0976	0.288	13967-70-9	PCI/G	U	0.491	0.100	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Cesium-136	1.11	5.37	14234-29-8	PCI/G	U	7.78	0.300	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Cesium-137	0.395	0.280	10045-97-3	PCI/G	U	0.438	0.100	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Chromium-51	3.06	7.95	14392-02-0	PCI/G	U	12.3	0.600	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Cobalt-56	0.104	0.384		PCI/G	U	0.658	0.100	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Cobalt-57	0.0707	0.245	13981-50-5	PCI/G	U	0.431	0.050	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Cobalt-58	0.0428	0.448	13981-38-9	PCI/G	U	0.667	0.100	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Cobalt-60	0.0165	0.289	10198-40-0	PCI/G	U	0.495	0.100	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Europium-152	-0.253	0.825	14683-23-9	PCI/G	U	1.43	0.200	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Europium-154	-0.0621	0.952	15585-10-1	PCI/G	U	1.40	0.500	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Europium-155	1.22	1.34	14391-16-3	PCI/G	U	1.66	0.500	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Iridium-192	-0.398	0.386	14694-69-0	PCI/G	U	0.668	0.100	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Iron-59	-0.0636	1.20	14596-12-4	PCI/G	U	1.80	0.300	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Lead-210	124	57.1	14255-04-0	PCI/G		58.4	4.00	
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Lead-212	0.724	0.742	15092-94-1	PCI/G	U	0.866	0.100	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Lead-214	271	22.2	15067-28-4	PCI/G		0.972	0.100	
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Manganese-54	0.00	0.451	13966-31-9	PCI/G	UUI	0.482	0.100	UUI
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Mercury-203	-1.3	0.562	13982-78-0	PCI/G	U	0.963	0.100	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Neodymium-147	49.4	41.5	14269-74-0	PCI/G	U	61.8	1000	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Neptunium-239	1.69	1.85	13968-59-7	PCI/G	U	2.92	2.00	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Niobium-94	0.00	0.356	14681-63-1	PCI/G	UUI	0.437	1.00	UUI
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Niobium-95	0.00	1.82	13967-76-5	PCI/G	UUI	1.94	0.050	UUI
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Potassium-40	4.44	3.62	13966-00-2	PCI/G	U	5.10	1.00	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Promethium-144	0.136	0.231		PCI/G	U	0.406	0.080	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Promethium-146	0.00	0.528		PCI/G	UUI	0.605	1.00	UUI
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Radium-226	228	20.2	13982-63-3	PCI/G		0.799	1.00	
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Radium-228	0.291	1.01	15262-20-1	PCI/G	U	1.72	0.500	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Ruthenium-106	-2.88	2.17	13967-48-1	PCI/G	U	3.65	0.800	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Silver-110m	-0.101	0.244		PCI/G	U	0.422	0.080	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Sodium-22	-0.0208	0.347	13966-32-0	PCI/G	U	0.511	0.080	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Thallium-208	0.201	0.292	14913-50-9	PCI/G	U	0.455	0.080	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Thorium-230	228	20.2	14269-63-7	PCI/G		0.799	1.00	
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Thorium-234	143	31.3	15065-10-8	PCI/G		19.8	2.00	
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Tin-113	-0.0061	0.506	13966-06-8	PCI/G	U	0.763	0.100	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Uranium-235	14.5	4.19	15117-96-1	PCI/G		3.57	0.500	
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Uranium-238	143	31.3	7440-61-1	PCI/G		19.8	1.00	
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Yttrium-88	0.00	0.524	13982-36-0	PCI/G	UUI	0.583	0.100	UUI
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Zinc-65	5.23	0.892	13982-39-3	PCI/G	UI	1.42	0.300	UI
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Zirconium-95	0.223	0.697	13967-71-0	PCI/G	U	1.21	0.200	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Thorium-232	0.685	0.707	7440-29-1	PCI/G	U	0.824	0.500	U
IGLOO 805-SB14A; 0-4 in	DUP	08/11/03	08/26/03	09/29/03	09/29/03	Uranium-234	268	22.8	13966-29-5	PCI/G		1.93	1.00	
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Actinium-228	0.233	0.283	14331-83-0	PCI/G	U	0.395	0.800	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Americium-241	-1.44	0.509	14596-10-2	PCI/G	U	0.836	0.200	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Antimony-124	-0.0993	0.108	14683-10-4	PCI/G	U	0.161	0.100	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Antimony-125	0.00	0.337	14234-35-6	PCI/G	UUI	0.351	0.200	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Barium-133	0.00	0.130	13981-41-4	PCI/G	UUI	0.153	0.100	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Barium-140	4.79	3.49	14798-08-4	PCI/G		4.73	0.500	J
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Beryllium-7	0.00	1.50	13966-02-4	PCI/G	UUI	1.56	0.700	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Bismuth-212	-0.11	0.458	14913-49-6	PCI/G	U	0.779	0.500	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Bismuth-214	218	24.8	14733-03-0	PCI/G		0.193	0.200	
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Cerium-139	0.00	0.105		PCI/G	UUI	0.165	0.050	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Cerium-141	0.00	0.932	13967-74-3	PCI/G	UUI	0.604	0.100	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Cerium-144	-1.06	0.663	14762-78-8	PCI/G	U	1.03	0.500	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Cesium-134	-0.0351	0.0675	13967-70-9	PCI/G	U	0.114	0.100	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Cesium-136	0.0146	1.20	14234-29-8	PCI/G	U	1.71	0.300	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Cesium-137	0.193	0.0648	10045-97-3	PCI/G		0.0975	0.100	J
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Chromium-51	-0.939	2.13	14392-02-0	PCI/G	U	3.20	0.600	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Cobalt-56	0.00932	0.0901		PCI/G	U	0.152	0.100	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Cobalt-57	0.118	0.0943	13981-50-5	PCI/G	U	0.129	0.050	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Cobalt-58	-0.158	0.107	13981-38-9	PCI/G	U	0.152	0.100	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Cobalt-60	-0.0719	0.0787	10198-40-0	PCI/G	U	0.113	0.100	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Europium-152	-0.56	0.225	14683-23-9	PCI/G	U	0.369	0.200	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Europium-154	0.00	0.268	15585-10-1	PCI/G	UUI	0.328	0.500	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Europium-155	-0.25	0.278	14391-16-3	PCI/G	U	0.511	0.500	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Iridium-192	0.00	0.121	14694-69-0	PCI/G	UUI	0.179	0.100	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Iron-59	-0.028	0.282	14596-12-4	PCI/G	U	0.399	0.300	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Lead-210	97.1	27.4	14255-04-0	PCI/G		24.2	4.00	J
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Lead-212	0.560	0.226	15092-94-1	PCI/G		0.247	0.100	J
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Lead-214	271	29.8	15067-28-4	PCI/G		0.251	0.100	
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Manganese-54	0.00	0.119	13966-31-9	PCI/G	UUI	0.115	0.100	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Mercury-203	0.00	0.212	13982-78-0	PCI/G	UUI	0.275	0.100	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Neodymium-147	0.00	13.9	14269-74-0	PCI/G	UUI	14.0	1000	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Neptunium-239	0.00	0.573	13968-59-7	PCI/G	UUI	0.890	2.00	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Niobium-94	0.00	0.157	14681-63-1	PCI/G	UUI	0.0875	1.00	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Niobium-95	0.00	1.41	13967-76-5	PCI/G	UUI	0.418	0.050	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Potassium-40	4.71	1.13	13966-00-2	PCI/G		1.11	1.00	
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Promethium-144	0.084	0.0644		PCI/G	U	0.0957	0.080	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Promethium-146	0.00	0.178		PCI/G	UUI	0.153	1.00	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Radium-226	218	24.8	13982-63-3	PCI/G		0.193	1.00	
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Radium-228	0.233	0.283	15262-20-1	PCI/G	U	0.395	0.500	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Ruthenium-106	-0.54	0.534	13967-48-1	PCI/G	U	0.908	0.800	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Silver-110m	0.0232	0.0668		PCI/G	U	0.100	0.080	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Sodium-22	0.302	0.095	13966-32-0	PCI/G		0.113	0.080	
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Thallium-208	0.383	0.0836	14913-50-9	PCI/G		0.115	0.080	J
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Thorium-230	218	24.8	14269-63-7	PCI/G		0.193	1.00	
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Thorium-234	146	28.9	15065-10-8	PCI/G		6.48	2.00	
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Tin-113	0.156	0.131	13966-06-8	PCI/G	U	0.195	0.100	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Uranium-235	14.9	2.82	15117-96-1	PCI/G		1.07	0.500	
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Uranium-238	146	28.9	7440-61-1	PCI/G		6.48	1.00	
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Yttrium-88	0.00	0.100	13982-36-0	PCI/G	UUI	0.130	0.100	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Zinc-65	0.00	0.276	13982-39-3	PCI/G	UUI	0.285	0.300	UJ
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Zirconium-95	-0.0311	0.186	13967-71-0	PCI/G	U	0.273	0.200	U
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Thorium-232	0.503	0.215	7440-29-1	PCI/G		0.235	0.500	J
IGLOO 805-SB14A; 0-4 in	SAMPLE	08/11/03	08/26/03	09/01/03	09/28/03	Uranium-234	267	30.5	13966-29-5	PCI/G		0.518	1.00	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Actinium-228	0.699	0.209	14331-83-0	PCI/G		0.134	0.800	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Americium-241	0.031	0.127	14596-10-2	PCI/G	U	0.158	0.200	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Antimony-124	0.00192	0.0349	14683-10-4	PCI/G	U	0.0606	0.100	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Antimony-125	-0.00726	0.0581	14234-35-6	PCI/G	U	0.101	0.200	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Barium-133	-0.00837	0.029	13981-41-4	PCI/G	U	0.0439	0.100	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Barium-140	0.510	0.959	14798-08-4	PCI/G	U	1.71	0.500	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Beryllium-7	-0.191	0.295	13966-02-4	PCI/G	U	0.493	0.700	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Bismuth-212	0.599	0.304	14913-49-6	PCI/G		0.274	0.500	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Bismuth-214	0.677	0.126	14733-03-0	PCI/G		0.0691	0.200	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Cerium-139	0.00326	0.0213		PCI/G	U	0.0358	0.050	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Cerium-141	0.0427	0.0818	13967-74-3	PCI/G	U	0.140	0.100	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Cerium-144	0.113	0.136	14762-78-8	PCI/G	U	0.234	0.500	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Cesium-134	0.0395	0.0311	13967-70-9	PCI/G	U	0.0475	0.100	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Cesium-136	-0.111	0.403	14234-29-8	PCI/G	U	0.708	0.300	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Cesium-137	0.257	0.0556	10045-97-3	PCI/G		0.038	0.100	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Chromium-51	-0.22	0.541	14392-02-0	PCI/G	U	0.935	0.600	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Cobalt-56	0.00091	0.0338		PCI/G	U	0.0579	0.100	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Cobalt-57	-0.0154	0.0171	13981-50-5	PCI/G	U	0.0278	0.050	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Cobalt-58	-0.0113	0.0333	13981-38-9	PCI/G	U	0.0555	0.100	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Cobalt-60	0.00128	0.0239	10198-40-0	PCI/G	U	0.0432	0.100	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Europium-152	0.0295	0.0572	14683-23-9	PCI/G	U	0.103	0.200	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Europium-154	0.0197	0.0701	15585-10-1	PCI/G	U	0.129	0.500	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Europium-155	0.053	0.0637	14391-16-3	PCI/G	U	0.111	0.500	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Iridium-192	0.000412	0.0293	14694-69-0	PCI/G	U	0.0516	0.100	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Iron-59	-0.033	0.0867	14596-12-4	PCI/G	U	0.151	0.300	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Lead-210	2.40	2.54	14255-04-0	PCI/G	U	4.13	4.00	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Lead-212	0.815	0.111	15092-94-1	PCI/G		0.0572	0.100	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Lead-214	0.853	0.141	15067-28-4	PCI/G		0.0717	0.100	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Manganese-54	0.000718	0.0238	13966-31-9	PCI/G	U	0.0409	0.100	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Mercury-203	-0.00747	0.0424	13982-78-0	PCI/G	U	0.0744	0.100	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Neodymium-147	-0.403	2.85	14269-74-0	PCI/G	U	4.93	1000	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Neptunium-239	-0.0373	0.116	13968-59-7	PCI/G	U	0.194	2.00	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Niobium-94	0.0136	0.0214	14681-63-1	PCI/G	U	0.0383	1.00	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Niobium-95	0.0702	0.0677	13967-76-5	PCI/G	U	0.111	0.050	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Potassium-40	16.7	1.91	13966-00-2	PCI/G		0.313	1.00	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Promethium-144	-0.00823	0.0227		PCI/G	U	0.038	0.080	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Promethium-146	-0.00837	0.0267		PCI/G	U	0.0458	1.00	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Radium-226	0.677	0.126	13982-63-3	PCI/G		0.0691	1.00	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Radium-228	0.699	0.209	15262-20-1	PCI/G		0.134	0.500	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Ruthenium-106	0.0506	0.191	13967-48-1	PCI/G	U	0.339	0.800	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Silver-110m	0.00227	0.0265		PCI/G	U	0.0403	0.080	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Sodium-22	0.00713	0.0256	13966-32-0	PCI/G	U	0.0469	0.080	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Thallium-208	0.277	0.0515	14913-50-9	PCI/G		0.037	0.080	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Thorium-230	0.676	0.126	14269-63-7	PCI/G		0.0691	1.00	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Thorium-234	1.39	1.39	15065-10-8	PCI/G		1.23	2.00	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Tin-113	0.014	0.0332	13966-06-8	PCI/G	U	0.0595	0.100	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Uranium-235	0.0752	0.132	15117-96-1	PCI/G	U	0.225	0.500	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Uranium-238	1.39	1.39	7440-61-1	PCI/G		1.23	1.00	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Yttrium-88	0.00135	0.0249	13982-36-0	PCI/G	U	0.0412	0.100	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Zinc-65	-0.0268	0.0629	13982-39-3	PCI/G	U	0.0928	0.300	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Zirconium-95	0.00661	0.0602	13967-71-0	PCI/G	U	0.105	0.200	U
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Thorium-232	0.776	0.106	7440-29-1	PCI/G		0.0545	0.500	
IGLOO 808-SB26; 0-0.5 ft	DUP	08/07/03	08/26/03	09/25/03	09/25/03	Uranium-234	0.857	0.163	13966-29-5	PCI/G		0.130	1.00	
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Actinium-228	0.839	0.207	14331-83-0	PCI/G		0.178	0.800	
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Americium-241	-0.104	0.269	14596-10-2	PCI/G	U	0.308	0.200	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Antimony-124	0.0519	0.0623	14683-10-4	PCI/G	U	0.0796	0.100	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Antimony-125	-0.00405	0.0783	14234-35-6	PCI/G	U	0.133	0.200	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Barium-133	0.0178	0.0366	13981-41-4	PCI/G	U	0.0572	0.100	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Barium-140	0.334	1.06	14798-08-4	PCI/G	U	1.93	0.500	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Beryllium-7	-0.142	0.370	13966-02-4	PCI/G	U	0.614	0.700	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Bismuth-212	0.511	0.328	14913-49-6	PCI/G		0.373	0.500	
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Bismuth-214	0.842	0.140	14733-03-0	PCI/G		0.0811	0.200	J
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cerium-139	-0.00697	0.0282		PCI/G	U	0.0491	0.050	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cerium-141	0.0565	0.102	13967-74-3	PCI/G	U	0.183	0.100	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cerium-144	-0.108	0.179	14762-78-8	PCI/G	U	0.309	0.500	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cesium-134	0.0569	0.0435	13967-70-9	PCI/G	U	0.0591	0.100	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cesium-136	0.0589	0.439	14234-29-8	PCI/G	U	0.779	0.300	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cesium-137	0.254	0.0645	10045-97-3	PCI/G		0.0501	0.100	
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Chromium-51	-0.158	0.628	14392-02-0	PCI/G	U	1.07	0.600	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cobalt-56	-0.00425	0.0448		PCI/G	U	0.0678	0.100	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cobalt-57	0.0249	0.0241	13981-50-5	PCI/G	U	0.0403	0.050	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cobalt-58	0.0196	0.0388	13981-38-9	PCI/G	U	0.0715	0.100	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cobalt-60	0.0237	0.0319	10198-40-0	PCI/G	U	0.0619	0.100	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Europium-152	0.00723	0.0771	14683-23-9	PCI/G	U	0.133	0.200	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Europium-154	-0.015	0.0879	15585-10-1	PCI/G	U	0.151	0.500	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Europium-155	0.00136	0.0898	14391-16-3	PCI/G	U	0.161	0.500	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Iridium-192	-0.00293	0.037	14694-69-0	PCI/G	U	0.0636	0.100	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Iron-59	-0.0438	0.109	14596-12-4	PCI/G	U	0.184	0.300	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Lead-210	4.89	9.35	14255-04-0	PCI/G	U	14.6	4.00	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Lead-212	0.908	0.114	15092-94-1	PCI/G		0.078	0.100	
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Lead-214	1.04	0.154	15067-28-4	PCI/G		0.0902	0.100	
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Manganese-54	0.0395	0.0291	13966-31-9	PCI/G	U	0.0563	0.100	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Mercury-203	0.0767	0.0554	13982-78-0	PCI/G	U	0.101	0.100	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Neodymium-147	0.235	2.98	14269-74-0	PCI/G	U	5.39	1000	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Neptunium-239	0.169	0.187	13968-59-7	PCI/G	U	0.273	2.00	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Niobium-94	0.00986	0.0238	14681-63-1	PCI/G	U	0.0434	1.00	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Niobium-95	-0.0131	0.0697	13967-76-5	PCI/G	U	0.121	0.050	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Potassium-40	18.0	1.59	13966-00-2	PCI/G		0.433	1.00	
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Promethium-144	0.0148	0.0271		PCI/G	U	0.0497	0.080	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Promethium-146	-0.0101	0.0361		PCI/G	U	0.0604	1.00	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Radium-226	0.842	0.140	13982-63-3	PCI/G		0.0811	1.00	J
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Radium-228	0.839	0.207	15262-20-1	PCI/G		0.178	0.500	
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Ruthenium-106	0.00	0.573	13967-48-1	PCI/G	UUI	0.416	0.800	UJ
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Silver-110m	0.00197	0.0314		PCI/G	U	0.0489	0.080	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Sodium-22	-0.00567	0.032	13966-32-0	PCI/G	U	0.0547	0.080	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Thallium-208	0.277	0.0641	14913-50-9	PCI/G		0.0456	0.080	
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Thorium-230	0.842	0.140	14269-63-7	PCI/G		0.0811	1.00	J
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Thorium-234	0.473	2.48	15065-10-8	PCI/G	U	2.58	2.00	UJ
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Tin-113	-0.00975	0.0419	13966-06-8	PCI/G	U	0.0708	0.100	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Uranium-235	0.156	0.173	15117-96-1	PCI/G	U	0.312	0.500	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Uranium-238	0.473	2.48	7440-61-1	PCI/G	U	2.58	1.00	UJ
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Yttrium-88	0.0124	0.030	13982-36-0	PCI/G	U	0.0601	0.100	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Zinc-65	-0.0706	0.092	13982-39-3	PCI/G	U	0.124	0.300	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Zirconium-95	0.0444	0.0714	13967-71-0	PCI/G	U	0.133	0.200	U
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Thorium-232	0.866	0.109	7440-29-1	PCI/G		0.0744	0.500	
IGLOO 808-SB26; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Uranium-234	0.936	0.243	13966-29-5	PCI/G		0.190	1.00	
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Actinium-228	0.917	0.247	14331-83-0	PCI/G		0.163	0.800	

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Americium-241	0.0246	0.110	14596-10-2	PCI/G	U	0.187	0.200	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Antimony-124	0.0156	0.0381	14683-10-4	PCI/G	U	0.0706	0.100	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Antimony-125	-0.0116	0.0576	14234-35-6	PCI/G	U	0.104	0.200	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Barium-133	0.0122	0.0345	13981-41-4	PCI/G	U	0.0544	0.100	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Barium-140	-0.264	0.937	14798-08-4	PCI/G	U	1.65	0.500	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Beryllium-7	-0.093	0.337	13966-02-4	PCI/G	U	0.599	0.700	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Bismuth-212	0.537	0.312	14913-49-6	PCI/G		0.467	0.500	
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Bismuth-214	0.825	0.148	14733-03-0	PCI/G		0.0901	0.200	J
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Cerium-139	-0.0183	0.0229		PCI/G	U	0.0388	0.050	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Cerium-141	0.00697	0.0787	13967-74-3	PCI/G	U	0.140	0.100	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Cerium-144	0.117	0.142	14762-78-8	PCI/G	U	0.261	0.500	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Cesium-134	0.0301	0.0302	13967-70-9	PCI/G	U	0.0585	0.100	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Cesium-136	0.253	0.387	14234-29-8	PCI/G	U	0.755	0.300	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Cesium-137	0.269	0.0655	10045-97-3	PCI/G		0.0552	0.100	
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Chromium-51	-0.46	0.631	14392-02-0	PCI/G	U	0.893	0.600	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Cobalt-56	-0.0233	0.0357		PCI/G	U	0.0585	0.100	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Cobalt-57	-0.00347	0.0173	13981-50-5	PCI/G	U	0.0308	0.050	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Cobalt-58	-0.0308	0.0399	13981-38-9	PCI/G	U	0.0645	0.100	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Cobalt-60	0.0136	0.0291	10198-40-0	PCI/G	U	0.057	0.100	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Europium-152	0.0125	0.0735	14683-23-9	PCI/G	U	0.127	0.200	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Europium-154	0.0793	0.0942	15585-10-1	PCI/G	U	0.186	0.500	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Europium-155	0.0625	0.0718	14391-16-3	PCI/G	U	0.134	0.500	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Iridium-192	-0.0102	0.035	14694-69-0	PCI/G	U	0.0587	0.100	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Iron-59	-0.0229	0.104	14596-12-4	PCI/G	U	0.187	0.300	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Lead-210	1.26	5.96	14255-04-0	PCI/G	U	4.88	4.00	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Lead-212	0.867	0.125	15092-94-1	PCI/G		0.069	0.100	
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Lead-214	0.928	0.162	15067-28-4	PCI/G		0.0848	0.100	
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Manganese-54	0.00162	0.031	13966-31-9	PCI/G	U	0.0547	0.100	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Mercury-203	0.0349	0.0629	13982-78-0	PCI/G	U	0.0722	0.100	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Neodymium-147	-2.11	2.59	14269-74-0	PCI/G	U	4.34	1000	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Neptunium-239	0.0098	0.125	13968-59-7	PCI/G	U	0.225	2.00	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Niobium-94	-0.00252	0.0249	14681-63-1	PCI/G	U	0.0439	1.00	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Niobium-95	0.0235	0.0736	13967-76-5	PCI/G	U	0.118	0.050	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Potassium-40	20.4	2.53	13966-00-2	PCI/G		0.405	1.00	
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Promethium-144	-0.00496	0.0273		PCI/G	U	0.0477	0.080	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Promethium-146	0.0255	0.0299		PCI/G	U	0.0575	1.00	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Radium-226	0.825	0.148	13982-63-3	PCI/G		0.0901	1.00	J
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Radium-228	0.917	0.247	15262-20-1	PCI/G		0.163	0.500	

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Ruthenium-106	0.199	0.256	13967-48-1	PCI/G	U	0.484	0.800	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Silver-110m	0.00363	0.0306		PCI/G	U	0.0488	0.080	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Sodium-22	0.0287	0.0342	13966-32-0	PCI/G	U	0.0677	0.080	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Thallium-208	0.238	0.073	14913-50-9	PCI/G		0.0441	0.080	
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Thorium-230	0.825	0.148	14269-63-7	PCI/G		0.0901	1.00	J
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Thorium-234	1.13	1.35	15065-10-8	PCI/G	U	1.51	2.00	UJ
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Tin-113	0.0237	0.0406	13966-06-8	PCI/G	U	0.0719	0.100	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Uranium-235	-0.0257	0.158	15117-96-1	PCI/G	U	0.249	0.500	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Uranium-238	1.13	1.35	7440-61-1	PCI/G	U	1.51	1.00	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Yttrium-88	-0.00769	0.0322	13982-36-0	PCI/G	U	0.0583	0.100	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Zinc-65	-0.0248	0.0726	13982-39-3	PCI/G	U	0.110	0.300	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Zirconium-95	0.0284	0.0645	13967-71-0	PCI/G	U	0.121	0.200	U
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Thorium-232	0.830	0.120	7440-29-1	PCI/G		0.066	0.500	
IGLOO 808-SB27; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/23/03	Uranium-234	1.02	0.226	13966-29-5	PCI/G		0.161	1.00	
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Actinium-228	0.942	0.196	14331-83-0	PCI/G		0.161	0.800	
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Americium-241	-0.0229	0.117	14596-10-2	PCI/G	U	0.178	0.200	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Antimony-124	-0.00957	0.0388	14683-10-4	PCI/G	U	0.0671	0.100	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Antimony-125	0.0125	0.0664	14234-35-6	PCI/G	U	0.114	0.200	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Barium-133	-0.0104	0.0314	13981-41-4	PCI/G	U	0.0458	0.100	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Barium-140	-0.107	0.898	14798-08-4	PCI/G	U	1.58	0.500	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Beryllium-7	0.100	0.357	13966-02-4	PCI/G	U	0.610	0.700	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Bismuth-212	0.474	0.343	14913-49-6	PCI/G		0.348	0.500	
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Bismuth-214	0.817	0.138	14733-03-0	PCI/G		0.0844	0.200	J
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cerium-139	0.0024	0.0247		PCI/G	U	0.0406	0.050	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cerium-141	0.020	0.0742	13967-74-3	PCI/G	U	0.145	0.100	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cerium-144	0.101	0.156	14762-78-8	PCI/G	U	0.263	0.500	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cesium-134	0.0338	0.0326	13967-70-9	PCI/G	U	0.0599	0.100	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cesium-136	0.248	0.420	14234-29-8	PCI/G	U	0.748	0.300	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cesium-137	0.171	0.048	10045-97-3	PCI/G	U	0.0448	0.100	
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Chromium-51	-0.0552	0.620	14392-02-0	PCI/G	U	0.927	0.600	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cobalt-56	-0.0311	0.0345		PCI/G	U	0.0553	0.100	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cobalt-57	0.0118	0.0191	13981-50-5	PCI/G	U	0.0325	0.050	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cobalt-58	0.0134	0.0378	13981-38-9	PCI/G	U	0.0673	0.100	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cobalt-60	0.0122	0.031	10198-40-0	PCI/G	U	0.0568	0.100	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Europium-152	0.0341	0.067	14683-23-9	PCI/G	U	0.117	0.200	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Europium-154	0.000898	0.0919	15585-10-1	PCI/G	U	0.163	0.500	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Europium-155	0.106	0.075	14391-16-3	PCI/G	U	0.131	0.500	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Iridium-192	-0.0164	0.0321	14694-69-0	PCI/G	U	0.0537	0.100	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Iron-59	-0.0595	0.111	14596-12-4	PCI/G	U	0.190	0.300	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Lead-210	3.88	2.87	14255-04-0	PCI/G	U	4.70	4.00	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Lead-212	0.990	0.108	15092-94-1	PCI/G		0.0668	0.100	
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Lead-214	0.927	0.133	15067-28-4	PCI/G		0.0792	0.100	
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Manganese-54	0.00645	0.0307	13966-31-9	PCI/G	U	0.0536	0.100	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Mercury-203	0.0711	0.061	13982-78-0	PCI/G	U	0.0747	0.100	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Neodymium-147	-0.405	2.69	14269-74-0	PCI/G	U	4.46	1000	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Neptunium-239	0.0699	0.129	13968-59-7	PCI/G	U	0.220	2.00	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Niobium-94	0.0165	0.0249	14681-63-1	PCI/G	U	0.0449	1.00	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Niobium-95	-0.00254	0.0694	13967-76-5	PCI/G	U	0.104	0.050	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Potassium-40	20.9	1.77	13966-00-2	PCI/G		0.502	1.00	
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Promethium-144	0.00567	0.0253		PCI/G	U	0.0448	0.080	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Promethium-146	0.012	0.0332		PCI/G	U	0.0571	1.00	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Radium-226	0.817	0.138	13982-63-3	PCI/G		0.0844	1.00	J
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Radium-228	0.942	0.196	15262-20-1	PCI/G		0.161	0.500	
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Ruthenium-106	-0.03	0.233	13967-48-1	PCI/G	U	0.406	0.800	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Silver-110m	0.0153	0.0289		PCI/G	U	0.0463	0.080	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Sodium-22	0.000267	0.0334	13966-32-0	PCI/G	U	0.0591	0.080	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Thallium-208	0.351	0.0633	14913-50-9	PCI/G		0.0462	0.080	
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Thorium-230	0.817	0.138	14269-63-7	PCI/G		0.0844	1.00	J
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Thorium-234	1.01	1.40	15065-10-8	PCI/G	U	1.41	2.00	UJ
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Tin-113	-0.025	0.0374	13966-06-8	PCI/G	U	0.0612	0.100	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Uranium-235	0.0432	0.160	15117-96-1	PCI/G	U	0.251	0.500	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Uranium-238	1.01	1.40	7440-61-1	PCI/G	U	1.41	1.00	UJ
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Yttrium-88	-0.00692	0.0311	13982-36-0	PCI/G	U	0.0566	0.100	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Zinc-65	-0.0391	0.0868	13982-39-3	PCI/G	U	0.126	0.300	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Zirconium-95	0.0326	0.0777	13967-71-0	PCI/G	U	0.122	0.200	U
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Thorium-232	0.946	0.103	7440-29-1	PCI/G		0.0638	0.500	
IGLOO 808-SB28; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Uranium-234	0.829	0.197	13966-29-5	PCI/G		0.149	1.00	
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Actinium-228	0.314	0.102	14331-83-0	PCI/G		0.0766	0.800	
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Americium-241	0.000694	0.074	14596-10-2	PCI/G	U	0.138	0.200	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Antimony-124	-0.00541	0.0184	14683-10-4	PCI/G	U	0.0338	0.100	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Antimony-125	0.0259	0.0342	14234-35-6	PCI/G	U	0.0645	0.200	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Barium-133	0.012	0.0182	13981-41-4	PCI/G	U	0.0308	0.100	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Barium-140	-0.096	0.479	14798-08-4	PCI/G	U	0.894	0.500	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Beryllium-7	0.246	0.319	13966-02-4	PCI/G	U	0.311	0.700	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Bismuth-212	0.132	0.211	14913-49-6	PCI/G	U	0.185	0.500	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Bismuth-214	0.750	0.101	14733-03-0	PCI/G		0.045	0.200	J

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Cerium-139	-0.0023	0.0124		PCI/G	U	0.0235	0.050	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Cerium-141	0.0274	0.0615	13967-74-3	PCI/G	U	0.086	0.100	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Cerium-144	0.0474	0.0786	14762-78-8	PCI/G	U	0.155	0.500	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Cesium-134	0.0144	0.015	13967-70-9	PCI/G	U	0.0295	0.100	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Cesium-136	-0.331	0.210	14234-29-8	PCI/G	U	0.307	0.300	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Cesium-137	0.00644	0.0142	10045-97-3	PCI/G	U	0.0245	0.100	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Chromium-51	0.399	0.489	14392-02-0	PCI/G	U	0.488	0.600	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Cobalt-56	0.0042	0.0194		PCI/G	U	0.036	0.100	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Cobalt-57	-0.00202	0.00994	13981-50-5	PCI/G	U	0.0193	0.050	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Cobalt-58	-0.0168	0.0196	13981-38-9	PCI/G	U	0.0332	0.100	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Cobalt-60	0.00326	0.0134	10198-40-0	PCI/G	U	0.0261	0.100	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Europium-152	-0.0143	0.0341	14683-23-9	PCI/G	U	0.0606	0.200	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Europium-154	-0.0181	0.0428	15585-10-1	PCI/G	U	0.0767	0.500	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Europium-155	0.0332	0.0357	14391-16-3	PCI/G	U	0.0729	0.500	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Iridium-192	-0.00212	0.0172	14694-69-0	PCI/G	U	0.0312	0.100	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Iron-59	0.021	0.056	14596-12-4	PCI/G	U	0.104	0.300	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Lead-210	0.779	2.83	14255-04-0	PCI/G	U	5.42	4.00	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Lead-212	0.392	0.059	15092-94-1	PCI/G		0.0374	0.100	
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Lead-214	0.881	0.121	15067-28-4	PCI/G		0.0475	0.100	
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Manganese-54	-0.0135	0.0146	13966-31-9	PCI/G	U	0.0244	0.100	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Mercury-203	0.0162	0.0238	13982-78-0	PCI/G	U	0.0453	0.100	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Neodymium-147	-0.387	1.33	14269-74-0	PCI/G	U	2.49	1000	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Neptunium-239	0.0125	0.0666	13968-59-7	PCI/G	U	0.132	2.00	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Niobium-94	-0.0119	0.0117	14681-63-1	PCI/G	U	0.0198	1.00	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Niobium-95	0.014	0.0347	13967-76-5	PCI/G	U	0.0585	0.050	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Potassium-40	9.07	0.860	13966-00-2	PCI/G		0.235	1.00	
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Promethium-144	-3.810E-05	0.013		PCI/G	U	0.024	0.080	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Promethium-146	-0.00667	0.0157		PCI/G	U	0.0271	1.00	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Radium-226	0.750	0.101	13982-63-3	PCI/G		0.045	1.00	J
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Radium-228	0.314	0.102	15262-20-1	PCI/G		0.0766	0.500	
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Ruthenium-106	0.00	0.263	13967-48-1	PCI/G	UUI	0.213	0.800	UJ
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Silver-110m	-0.00246	0.013		PCI/G	U	0.0239	0.080	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Sodium-22	-0.00678	0.0155	13966-32-0	PCI/G	U	0.0278	0.080	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Thallium-208	0.0935	0.0287	14913-50-9	PCI/G		0.0268	0.080	
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Thorium-230	0.750	0.101	14269-63-7	PCI/G		0.045	1.00	J
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Thorium-234	1.46	1.34	15065-10-8	PCI/G		1.04	2.00	J
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Tin-113	-0.0102	0.0196	13966-06-8	PCI/G	U	0.0341	0.100	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Uranium-235	0.0711	0.156	15117-96-1	PCI/G	U	0.153	0.500	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Uranium-238	1.46	1.34	7440-61-1	PCI/G		1.04	1.00	J
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Yttrium-88	0.00888	0.0168	13982-36-0	PCI/G	U	0.0342	0.100	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Zinc-65	-0.0237	0.0354	13982-39-3	PCI/G	U	0.0587	0.300	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Zirconium-95	0.0237	0.0331	13967-71-0	PCI/G	U	0.0649	0.200	U
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Thorium-232	0.374	0.0564	7440-29-1	PCI/G		0.0357	0.500	
IGLOO 808-SB29; 0-0.5 ft	SAMPLE	08/10/03	08/26/03	08/27/03	09/25/03	Uranium-234	0.901	0.157	13966-29-5	PCI/G		0.0885	1.00	
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Actinium-228	0.159	0.107	14331-83-0	PCI/G		0.115	0.800	
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Americium-241	-0.0218	0.126	14596-10-2	PCI/G	U	0.199	0.200	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Antimony-124	-0.0106	0.032	14683-10-4	PCI/G	U	0.0492	0.100	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Antimony-125	-0.0352	0.044	14234-35-6	PCI/G	U	0.0776	0.200	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Barium-133	0.00104	0.0233	13981-41-4	PCI/G	U	0.0361	0.100	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Barium-140	-0.417	0.905	14798-08-4	PCI/G	U	1.38	0.500	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Beryllium-7	0.135	0.248	13966-02-4	PCI/G	U	0.464	0.700	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Bismuth-212	0.116	0.168	14913-49-6	PCI/G	U	0.277	0.500	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Bismuth-214	0.290	0.0736	14733-03-0	PCI/G		0.0587	0.200	J
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cerium-139	0.00726	0.018		PCI/G	U	0.033	0.050	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cerium-141	-0.0196	0.0737	13967-74-3	PCI/G	U	0.120	0.100	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cerium-144	0.00724	0.110	14762-78-8	PCI/G	U	0.202	0.500	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cesium-134	-0.00576	0.0249	13967-70-9	PCI/G	U	0.0377	0.100	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cesium-136	-0.108	0.362	14234-29-8	PCI/G	U	0.609	0.300	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cesium-137	0.0721	0.0329	10045-97-3	PCI/G		0.0329	0.100	
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Chromium-51	-0.161	0.451	14392-02-0	PCI/G	U	0.772	0.600	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cobalt-56	-0.00252	0.0273		PCI/G	U	0.0477	0.100	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cobalt-57	0.00578	0.0151	13981-50-5	PCI/G	U	0.0254	0.050	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cobalt-58	-0.00987	0.0284	13981-38-9	PCI/G	U	0.0489	0.100	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cobalt-60	0.00727	0.0205	10198-40-0	PCI/G	U	0.0383	0.100	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Europium-152	-0.0148	0.0506	14683-23-9	PCI/G	U	0.0864	0.200	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Europium-154	0.0686	0.0724	15585-10-1	PCI/G	U	0.137	0.500	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Europium-155	0.0245	0.0862	14391-16-3	PCI/G	U	0.107	0.500	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Iridium-192	0.0117	0.0244	14694-69-0	PCI/G	U	0.0435	0.100	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Iron-59	0.0016	0.077	14596-12-4	PCI/G	U	0.141	0.300	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Lead-210	0.00	9.06	14255-04-0	PCI/G	UUI	7.09	4.00	UJ
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Lead-212	0.797	0.104	15092-94-1	PCI/G		0.0513	0.100	
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Lead-214	1.94	0.244	15067-28-4	PCI/G		0.0603	0.100	
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Manganese-54	0.0193	0.0243	13966-31-9	PCI/G	U	0.0398	0.100	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Mercury-203	-0.0358	0.0358	13982-78-0	PCI/G	U	0.0599	0.100	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Neodymium-147	0.0615	2.38	14269-74-0	PCI/G	U	4.32	1000	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Neptunium-239	0.00121	0.128	13968-59-7	PCI/G	U	0.171	2.00	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coil_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Niobium-94	0.00103	0.0165	14681-63-1	PCI/G	U	0.0296	1.00	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Niobium-95	0.00	0.0872	13967-76-5	PCI/G	UUI	0.101	0.050	UJ
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Potassium-40	3.12	0.595	13966-00-2	PCI/G		0.973	1.00	
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Promethium-144	-0.00831	0.019		PCI/G	U	0.0328	0.080	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Promethium-146	0.0152	0.0208		PCI/G	U	0.0394	1.00	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Radium-226	0.290	0.0736	13982-63-3	PCI/G		0.0587	1.00	J
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Radium-228	0.159	0.107	15262-20-1	PCI/G		0.115	0.500	
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Ruthenium-106	0.0503	0.157	13967-48-1	PCI/G	U	0.288	0.800	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Silver-110m	0.00	0.0414		PCI/G	UUI	0.0562	0.080	UJ
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Sodium-22	0.0246	0.0263	13966-32-0	PCI/G	U	0.0497	0.080	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Thallium-208	0.044	0.0421	14913-50-9	PCI/G		0.0335	0.080	
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Thorium-230	0.290	0.0736	14269-63-7	PCI/G		0.0587	1.00	J
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Thorium-234	1.90	1.99	15065-10-8	PCI/G		1.55	2.00	J
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Tin-113	-0.00663	0.0285	13966-06-8	PCI/G	U	0.0484	0.100	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Uranium-235	0.0603	0.174	15117-96-1	PCI/G	U	0.195	0.500	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Uranium-238	1.90	1.99	7440-61-1	PCI/G		1.55	1.00	
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Yttrium-88	-0.0333	0.0285	13982-36-0	PCI/G	U	0.0429	0.100	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Zinc-65	0.517	0.120	13982-39-3	PCI/G		0.101	0.300	
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Zirconium-95	-0.0114	0.057	13967-71-0	PCI/G	U	0.0871	0.200	U
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Thorium-232	0.00	0.0991	7440-29-1	PCI/G	UUI	0.0488	0.500	UJ
IGLOO 809-SB30; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Uranium-234	0.00	0.290	13966-29-5	PCI/G	UUI	0.128	1.00	UJ
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Actinium-228	0.798	0.227	14331-83-0	PCI/G		0.193	0.800	
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Americium-241	0.051	0.122	14596-10-2	PCI/G	U	0.201	0.200	U
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Antimony-124	-0.00422	0.0447	14683-10-4	PCI/G	U	0.0772	0.100	U
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Antimony-125	0.0102	0.0718	14234-35-6	PCI/G	U	0.129	0.200	U
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Barium-133	-0.0203	0.0492	13981-41-4	PCI/G	U	0.0524	0.100	U
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Barium-140	-0.785	1.21	14798-08-4	PCI/G	U	1.97	0.500	U
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Beryllium-7	-0.403	0.399	13966-02-4	PCI/G	U	0.646	0.700	U
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Bismuth-212	0.767	0.400	14913-49-6	PCI/G		0.370	0.500	
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Bismuth-214	0.812	0.159	14733-03-0	PCI/G		0.094	0.200	J
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cerium-139	-0.0131	0.0255		PCI/G	U	0.0425	0.050	U
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cerium-141	0.0811	0.0899	13967-74-3	PCI/G	U	0.162	0.100	U
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cerium-144	-0.082	0.158	14762-78-8	PCI/G	U	0.266	0.500	U
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cesium-134	0.0588	0.0361	13967-70-9	PCI/G	U	0.0684	0.100	U
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cesium-136	0.183	0.508	14234-29-8	PCI/G	U	0.945	0.300	U
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cesium-137	0.173	0.0608	10045-97-3	PCI/G		0.0488	0.100	
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Chromium-51	0.482	0.578	14392-02-0	PCI/G	U	1.09	0.600	U
IGLOO 809-SB31; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Cobalt-56	-0.0246	0.0422		PCI/G	U	0.0725	0.100	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 810-SB34; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Yttrium-88	-0.000693	0.0191	13982-36-0	PCI/G	U	0.032	0.100	U
IGLOO 810-SB34; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Zinc-65	0.00292	0.050	13982-39-3	PCI/G	U	0.0798	0.300	U
IGLOO 810-SB34; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Zirconium-95	0.0277	0.0438	13967-71-0	PCI/G	U	0.0821	0.200	U
IGLOO 810-SB34; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-232	0.533	0.0943	7440-29-1	PCI/G		0.0454	0.500	
IGLOO 810-SB34; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-234	1.48	0.255	13966-29-5	PCI/G		0.104	1.00	
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Actinium-228	0.181	0.121	14331-83-0	PCI/G		0.112	0.800	
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Americium-241	0.00481	0.0208	14596-10-2	PCI/G	U	0.0376	0.200	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Antimony-124	0.0019	0.0253	14683-10-4	PCI/G	U	0.048	0.100	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Antimony-125	0.0223	0.0386	14234-35-6	PCI/G	U	0.0734	0.200	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Barium-133	0.00169	0.0191	13981-41-4	PCI/G	U	0.0318	0.100	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Barium-140	0.0492	0.743	14798-08-4	PCI/G	U	1.34	0.500	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Beryllium-7	0.100	0.207	13966-02-4	PCI/G	U	0.390	0.700	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Bismuth-212	0.180	0.230	14913-49-6	PCI/G	U	0.262	0.500	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Bismuth-214	0.429	0.101	14733-03-0	PCI/G		0.0555	0.200	J
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cerium-139	-0.00855	0.0133		PCI/G	U	0.0226	0.050	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cerium-141	0.0302	0.0648	13967-74-3	PCI/G	U	0.0849	0.100	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cerium-144	-0.00834	0.0777	14762-78-8	PCI/G	U	0.140	0.500	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cesium-134	0.00	0.0368	13967-70-9	PCI/G	UUU	0.0418	0.100	UU
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cesium-136	-0.285	0.310	14234-29-8	PCI/G	U	0.501	0.300	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cesium-137	0.0596	0.0341	10045-97-3	PCI/G		0.0354	0.100	
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Chromium-51	-0.0143	0.346	14392-02-0	PCI/G	U	0.643	0.600	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cobalt-56	-0.0145	0.0244		PCI/G	U	0.0424	0.100	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cobalt-57	0.00405	0.00962	13981-50-5	PCI/G	U	0.0179	0.050	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cobalt-58	-0.00666	0.0247	13981-38-9	PCI/G	U	0.0447	0.100	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cobalt-60	0.00107	0.0171	10198-40-0	PCI/G	U	0.0328	0.100	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Europium-152	0.00687	0.0383	14683-23-9	PCI/G	U	0.0718	0.200	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Europium-154	0.0328	0.055	15585-10-1	PCI/G	U	0.109	0.500	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Europium-155	0.00315	0.0334	14391-16-3	PCI/G	U	0.0619	0.500	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Iridium-192	-0.00364	0.0184	14694-69-0	PCI/G	U	0.034	0.100	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Iron-59	0.0265	0.0738	14596-12-4	PCI/G	U	0.138	0.300	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Lead-210	1.00	0.481	14255-04-0	PCI/G		0.324	4.00	
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Lead-212	0.330	0.0596	15092-94-1	PCI/G		0.0384	0.100	
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Lead-214	0.474	0.095	15067-28-4	PCI/G		0.051	0.100	
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Manganese-54	-0.00272	0.0196	13966-31-9	PCI/G	U	0.0355	0.100	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Mercury-203	-0.0141	0.0255	13982-78-0	PCI/G	U	0.0464	0.100	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Neodymium-147	-0.302	2.23	14269-74-0	PCI/G	U	3.94	1000	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Neptunium-239	-0.00166	0.0638	13968-59-7	PCI/G	U	0.116	2.00	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Niobium-94	0.00404	0.0157	14681-63-1	PCI/G	U	0.0299	1.00	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Niobium-95	0.0213	0.0493	13967-76-5	PCI/G	U	0.084	0.050	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Potassium-40	7.16	0.950	13966-00-2	PCI/G		0.269	1.00	
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Promethium-144	0.00727	0.0175		PCI/G	U	0.0335	0.080	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Promethium-146	0.00464	0.0205		PCI/G	U	0.034	1.00	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Radium-226	0.429	0.101	13982-63-3	PCI/G		0.0555	1.00	J
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Radium-228	0.181	0.121	15262-20-1	PCI/G		0.112	0.500	
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Ruthenium-106	-0.0215	0.145	13967-48-1	PCI/G	U	0.272	0.800	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Silver-110m	0.0118	0.0188		PCI/G	U	0.0333	0.080	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Sodium-22	0.0119	0.020	13966-32-0	PCI/G	U	0.0398	0.080	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Thallium-208	0.0876	0.0302	14913-50-9	PCI/G		0.0335	0.080	
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Thorium-230	0.429	0.101	14269-63-7	PCI/G		0.0555	1.00	J
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Thorium-234	1.54	0.685	15065-10-8	PCI/G		0.360	2.00	J
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Tin-113	-0.0162	0.0218	13966-06-8	PCI/G	U	0.0378	0.100	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Uranium-235	0.0566	0.121	15117-96-1	PCI/G	U	0.144	0.500	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Uranium-238	1.54	0.685	7440-61-1	PCI/G		0.360	1.00	J
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Yttrium-88	-0.0104	0.0229	13982-36-0	PCI/G	U	0.0398	0.100	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Zinc-65	-0.00117	0.0484	13982-39-3	PCI/G	U	0.0759	0.300	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Zirconium-95	-0.0166	0.0498	13967-71-0	PCI/G	U	0.0898	0.200	U
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Thorium-232	0.314	0.0567	7440-29-1	PCI/G		0.0366	0.500	
IGLOO 810-SB35-1; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Uranium-234	0.582	0.138	13966-29-5	PCI/G		0.0862	1.00	
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Actinium-228	0.554	0.134	14331-83-0	PCI/G		0.0819	0.800	
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Americium-241	0.00	0.181	14596-10-2	PCI/G	UUU	0.146	0.200	UU
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Antimony-124	0.0154	0.0254	14683-10-4	PCI/G	U	0.0409	0.100	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Antimony-125	0.0323	0.0348	14234-35-6	PCI/G	U	0.0631	0.200	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Barium-133	0.00183	0.0191	13981-41-4	PCI/G	U	0.0294	0.100	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Barium-140	-0.244	0.603	14798-08-4	PCI/G	U	1.06	0.500	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Beryllium-7	0.0352	0.183	13966-02-4	PCI/G	U	0.336	0.700	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Bismuth-212	0.379	0.180	14913-49-6	PCI/G		0.174	0.500	
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Bismuth-214	0.584	0.104	14733-03-0	PCI/G		0.0478	0.200	J
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cerium-139	-0.00953	0.0153		PCI/G	U	0.0272	0.050	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cerium-141	0.0648	0.064	13967-74-3	PCI/G	U	0.101	0.100	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cerium-144	0.0237	0.0945	14762-78-8	PCI/G	U	0.175	0.500	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cesium-134	0.0298	0.0233	13967-70-9	PCI/G	U	0.0311	0.100	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cesium-136	-0.0588	0.257	14234-29-8	PCI/G	U	0.436	0.300	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cesium-137	0.0361	0.0237	10045-97-3	PCI/G		0.0244	0.100	
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Chromium-51	-0.0103	0.348	14392-02-0	PCI/G	U	0.611	0.600	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cobalt-56	-0.00744	0.0187		PCI/G	U	0.032	0.100	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cobalt-57	-0.00561	0.0121	13981-50-5	PCI/G	U	0.0219	0.050	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cobalt-58	-0.00035	0.0223	13981-38-9	PCI/G	U	0.034	0.100	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Cobalt-60	-0.0045	0.0129	10198-40-0	PCI/G	U	0.0226	0.100	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Europium-152	-0.0153	0.0394	14683-23-9	PCI/G	U	0.0675	0.200	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Europium-154	-0.0124	0.0444	15585-10-1	PCI/G	U	0.0777	0.500	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Europium-155	0.0291	0.0471	14391-16-3	PCI/G	U	0.0889	0.500	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Iridium-192	0.0144	0.0192	14694-69-0	PCI/G	U	0.0347	0.100	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Iron-59	0.0139	0.057	14596-12-4	PCI/G	U	0.100	0.300	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Lead-210	1.95	2.52	14255-04-0	PCI/G	U	4.63	4.00	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Lead-212	0.566	0.078	15092-94-1	PCI/G		0.042	0.100	
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Lead-214	0.608	0.0958	15067-28-4	PCI/G		0.0512	0.100	
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Manganese-54	0.0126	0.0126	13966-31-9	PCI/G	U	0.0236	0.100	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Mercury-203	0.0228	0.0278	13982-78-0	PCI/G	U	0.0504	0.100	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Neodymium-147	-0.269	1.77	14269-74-0	PCI/G	U	3.18	1000	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Neptunium-239	-0.00263	0.0813	13968-59-7	PCI/G	U	0.150	2.00	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Niobium-94	-0.000172	0.0124	14681-63-1	PCI/G	U	0.022	1.00	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Niobium-95	0.0645	0.0433	13967-76-5	PCI/G	U	0.0675	0.050	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Potassium-40	13.3	1.46	13966-00-2	PCI/G		0.227	1.00	
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Promethium-144	0.007	0.0139		PCI/G	U	0.0253	0.080	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Promethium-146	0.00738	0.0194		PCI/G	U	0.030	1.00	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Radium-226	0.584	0.104	13982-63-3	PCI/G		0.0478	1.00	J
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Radium-228	0.554	0.134	15262-20-1	PCI/G		0.0819	0.500	
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Ruthenium-106	-0.0329	0.126	13967-48-1	PCI/G	U	0.222	0.800	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Silver-110m	0.0134	0.0154		PCI/G	U	0.0255	0.080	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Sodium-22	-0.00456	0.0162	13966-32-0	PCI/G	U	0.0283	0.080	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Thallium-208	0.152	0.0355	14913-50-9	PCI/G		0.0244	0.080	
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Thorium-230	0.584	0.104	14269-63-7	PCI/G		0.0478	1.00	J
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Thorium-234	0.898	1.12	15065-10-8	PCI/G	U	1.10	2.00	UJ
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Tin-113	-0.0141	0.0213	13966-06-8	PCI/G	U	0.0357	0.100	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Uranium-235	0.166	0.123	15117-96-1	PCI/G		0.165	0.500	
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Uranium-238	0.898	1.12	7440-61-1	PCI/G	U	1.10	1.00	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Yttrium-88	1.770E-05	0.0151	13982-36-0	PCI/G	U	0.0274	0.100	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Zinc-65	0.0193	0.0398	13982-39-3	PCI/G	U	0.0644	0.300	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Zirconium-95	0.0254	0.0373	13967-71-0	PCI/G	U	0.0686	0.200	U
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Thorium-232	0.539	0.0743	7440-29-1	PCI/G		0.040	0.500	
IGLOO 810-SB35-2; 0-0.5 ft	SAMPLE	08/07/03	08/26/03	08/27/03	09/25/03	Uranium-234	0.741	0.134	13966-29-5	PCI/G		0.0894	1.00	
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Actinium-228	0.781	0.284	14331-83-0	PCI/G		0.213	0.800	
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Americium-241	-0.00389	0.0746	14596-10-2	PCI/G	U	0.115	0.200	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Antimony-124	-0.0076	0.0562	14683-10-4	PCI/G	U	0.0834	0.100	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Antimony-125	-0.0382	0.0754	14234-35-6	PCI/G	U	0.128	0.200	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Barium-133	0.0389	0.0368	13981-41-4	PCI/G	U	0.0614	0.100	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Barium-140	0.132	1.21	14798-08-4	PCI/G	U	2.12	0.500	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Beryllium-7	-0.0528	0.424	13966-02-4	PCI/G	U	0.733	0.700	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Bismuth-212	0.830	0.448	14913-49-6	PCI/G		0.449	0.500	
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Bismuth-214	0.766	0.176	14733-03-0	PCI/G		0.104	0.200	J
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cerium-139	-0.0131	0.0284		PCI/G	U	0.0466	0.050	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cerium-141	0.0851	0.084	13967-74-3	PCI/G	U	0.159	0.100	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cerium-144	0.109	0.185	14762-78-8	PCI/G	U	0.319	0.500	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cesium-134	0.0483	0.0519	13967-70-9	PCI/G	U	0.0734	0.100	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cesium-136	-0.0864	0.512	14234-29-8	PCI/G	U	0.900	0.300	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cesium-137	0.0664	0.0578	10045-97-3	PCI/G		0.0578	0.100	
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Chromium-51	-0.145	0.642	14392-02-0	PCI/G	U	1.12	0.600	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cobalt-56	-0.0498	0.0447		PCI/G	U	0.0726	0.100	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cobalt-57	-0.00612	0.0221	13981-50-5	PCI/G	U	0.037	0.050	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cobalt-58	-0.0163	0.0437	13981-38-9	PCI/G	U	0.0768	0.100	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cobalt-60	0.00403	0.0356	10198-40-0	PCI/G	U	0.0647	0.100	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Europium-152	-0.0449	0.0804	14683-23-9	PCI/G	U	0.137	0.200	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Europium-154	0.0869	0.107	15585-10-1	PCI/G	U	0.206	0.500	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Europium-155	0.045	0.0834	14391-16-3	PCI/G	U	0.145	0.500	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Iridium-192	0.0113	0.0354	14694-69-0	PCI/G	U	0.0636	0.100	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Iron-59	-0.105	0.120	14596-12-4	PCI/G	U	0.194	0.300	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Lead-210	0.452	1.14	14255-04-0	PCI/G	U	1.35	4.00	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Lead-212	0.735	0.124	15092-94-1	PCI/G		0.0812	0.100	
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Lead-214	0.837	0.156	15067-28-4	PCI/G		0.100	0.100	
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Manganese-54	0.0214	0.0377	13966-31-9	PCI/G	U	0.0702	0.100	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Mercury-203	0.0292	0.0508	13982-78-0	PCI/G	U	0.0921	0.100	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Neodymium-147	-1.33	4.03	14269-74-0	PCI/G	U	5.90	1000	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Neptunium-239	0.00602	0.154	13968-59-7	PCI/G	U	0.262	2.00	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Niobium-94	-0.00749	0.0315	14681-63-1	PCI/G	U	0.0529	1.00	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Niobium-95	0.0826	0.0914	13967-76-5	PCI/G	U	0.155	0.050	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Potassium-40	17.4	2.06	13966-00-2	PCI/G		0.505	1.00	
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Promethium-144	0.0126	0.0332		PCI/G	U	0.0587	0.080	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Promethium-146	-0.00816	0.0385		PCI/G	U	0.0662	1.00	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Radium-226	0.766	0.176	13982-63-3	PCI/G		0.104	1.00	J
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Radium-228	0.781	0.284	15262-20-1	PCI/G		0.213	0.500	
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Ruthenium-106	-0.0545	0.289	13967-48-1	PCI/G	U	0.493	0.800	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Silver-110m	0.0182	0.0385		PCI/G	U	0.0609	0.080	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Sodium-22	0.0314	0.0389	13966-32-0	PCI/G	U	0.0748	0.080	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Thallium-208	0.249	0.0765	14913-50-9	PCI/G		0.062	0.080	
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Thorium-230	0.766	0.176	14269-63-7	PCI/G		0.104	1.00	J
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Thorium-234	1.50	1.38	15065-10-8	PCI/G		1.06	2.00	J
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Tin-113	-0.00542	0.052	13966-06-8	PCI/G	U	0.0793	0.100	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Uranium-235	0.193	0.174	15117-96-1	PCI/G	U	0.289	0.500	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Uranium-238	1.50	1.38	7440-61-1	PCI/G		1.06	1.00	J
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Yttrium-88	0.00743	0.036	13982-36-0	PCI/G	U	0.0724	0.100	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Zinc-65	-0.00861	0.0962	13982-39-3	PCI/G	U	0.147	0.300	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Zirconium-95	0.0678	0.0825	13967-71-0	PCI/G	U	0.159	0.200	U
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Thorium-232	0.702	0.118	7440-29-1	PCI/G		0.0776	0.500	
IGLOO 810-SB36; 0/2-4 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Uranium-234	0.681	0.220	13966-29-5	PCI/G		0.195	1.00	
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Actinium-228	0.914	0.207	14331-83-0	PCI/G		0.111	0.800	
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Americium-241	-0.0137	0.0611	14596-10-2	PCI/G	U	0.107	0.200	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Antimony-124	-0.0217	0.0268	14683-10-4	PCI/G	U	0.0451	0.100	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Antimony-125	-0.00768	0.046	14234-35-6	PCI/G	U	0.0777	0.200	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Barium-133	-0.00684	0.0237	13981-41-4	PCI/G	U	0.0353	0.100	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Barium-140	-0.0506	0.640	14798-08-4	PCI/G	U	1.07	0.500	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Beryllium-7	0.195	0.292	13966-02-4	PCI/G	U	0.387	0.700	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Bismuth-212	0.593	0.244	14913-49-6	PCI/G		0.245	0.500	
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Bismuth-214	0.711	0.112	14733-03-0	PCI/G		0.0593	0.200	J
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cerium-139	-0.00894	0.0188		PCI/G	U	0.0309	0.050	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cerium-141	0.031	0.0785	13967-74-3	PCI/G	U	0.105	0.100	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cerium-144	0.0539	0.114	14762-78-8	PCI/G	U	0.195	0.500	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cesium-134	0.0316	0.0312	13967-70-9	PCI/G	U	0.0376	0.100	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cesium-136	0.109	0.286	14234-29-8	PCI/G	U	0.496	0.300	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cesium-137	0.139	0.0318	10045-97-3	PCI/G		0.0305	0.100	
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Chromium-51	0.154	0.393	14392-02-0	PCI/G	U	0.692	0.600	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cobalt-56	0.0224	0.0247		PCI/G	U	0.0449	0.100	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cobalt-57	0.00204	0.0141	13981-50-5	PCI/G	U	0.0241	0.050	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cobalt-58	0.0135	0.0238	13981-38-9	PCI/G	U	0.0427	0.100	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Cobalt-60	-0.00684	0.0192	10198-40-0	PCI/G	U	0.0328	0.100	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Europium-152	-0.0358	0.0471	14683-23-9	PCI/G	U	0.0783	0.200	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Europium-154	-0.0149	0.0731	15585-10-1	PCI/G	U	0.108	0.500	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Europium-155	0.0795	0.0775	14391-16-3	PCI/G	U	0.0902	0.500	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Iridium-192	0.00198	0.0255	14694-69-0	PCI/G	U	0.0391	0.100	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Iron-59	-0.00852	0.0752	14596-12-4	PCI/G	U	0.126	0.300	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Lead-210	0.378	1.86	14255-04-0	PCI/G	U	2.31	4.00	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Lead-212	0.915	0.111	15092-94-1	PCI/G		0.0502	0.100	
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Lead-214	0.864	0.120	15067-28-4	PCI/G		0.0583	0.100	
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Manganese-54	-0.00467	0.0203	13966-31-9	PCI/G	U	0.0344	0.100	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Mercury-203	0.0147	0.0327	13982-78-0	PCI/G	U	0.0578	0.100	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Neodymium-147	1.87	1.82	14269-74-0	PCI/G	U	3.22	1000	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Neptunium-239	-0.101	0.0978	13968-59-7	PCI/G	U	0.161	2.00	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Niobium-94	0.0242	0.0249	14681-63-1	PCI/G	U	0.0294	1.00	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Niobium-95	0.0212	0.0615	13967-76-5	PCI/G	U	0.0816	0.050	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Potassium-40	22.1	1.79	13966-00-2	PCI/G		0.270	1.00	
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Promethium-144	0.0167	0.0186		PCI/G	U	0.0336	0.080	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Promethium-146	0.0115	0.0224		PCI/G	U	0.0389	1.00	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Radium-226	0.711	0.112	13982-63-3	PCI/G		0.0593	1.00	J
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Radium-228	0.914	0.207	15262-20-1	PCI/G		0.111	0.500	
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Ruthenium-106	0.0565	0.165	13967-48-1	PCI/G	U	0.295	0.800	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Silver-110m	0.0123	0.019		PCI/G	U	0.0306	0.080	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Sodium-22	-0.0055	0.0266	13966-32-0	PCI/G	U	0.0392	0.080	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Thallium-208	0.235	0.0498	14913-50-9	PCI/G		0.0291	0.080	
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Thorium-230	0.711	0.112	14269-63-7	PCI/G		0.0593	1.00	J
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Thorium-234	1.37	1.00	15065-10-8	PCI/G		0.918	2.00	J
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Tin-113	0.00289	0.0269	13966-06-8	PCI/G	U	0.0463	0.100	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Uranium-235	0.0642	0.162	15117-96-1	PCI/G	U	0.198	0.500	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Uranium-238	1.37	1.00	7440-61-1	PCI/G		0.918	1.00	J
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Yttrium-88	0.0172	0.0204	13982-36-0	PCI/G	U	0.0351	0.100	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Zinc-65	0.0373	0.0265	13982-39-3	PCI/G	U	0.0779	0.300	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Zirconium-95	0.0309	0.054	13967-71-0	PCI/G	U	0.0851	0.200	U
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Thorium-232	0.874	0.106	7440-29-1	PCI/G		0.048	0.500	
IGLOO 810-SB36; 0-0.5 ft	SAMPLE	08/11/03	08/26/03	08/27/03	09/25/03	Uranium-234	0.882	0.165	13966-29-5	PCI/G		0.118	1.00	
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Actinium-228	0.973	0.207	14331-83-0	PCI/G		0.139	0.800	
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Americium-241	0.00286	0.081	14596-10-2	PCI/G	U	0.151	0.200	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Antimony-124	-0.0218	0.0306	14683-10-4	PCI/G	U	0.0524	0.100	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Antimony-125	0.017	0.0556	14234-35-6	PCI/G	U	0.0964	0.200	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Barium-133	0.00704	0.0258	13981-41-4	PCI/G	U	0.0403	0.100	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Barium-140	-0.236	0.820	14798-08-4	PCI/G	U	1.45	0.500	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Beryllium-7	0.119	0.272	13966-02-4	PCI/G	U	0.506	0.700	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Bismuth-212	0.633	0.267	14913-49-6	PCI/G		0.278	0.500	
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Bismuth-214	0.836	0.130	14733-03-0	PCI/G		0.0696	0.200	J
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Cerium-139	0.00458	0.018		PCI/G	U	0.0324	0.050	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Cerium-141	0.018	0.0687	13967-74-3	PCI/G	U	0.115	0.100	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Cerium-144	0.0379	0.115	14762-78-8	PCI/G	U	0.209	0.500	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Cesium-134	0.035	0.0341	13967-70-9	PCI/G	U	0.0516	0.100	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Cesium-136	0.00738	0.364	14234-29-8	PCI/G	U	0.636	0.300	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Cesium-137	0.0435	0.0285	10045-97-3	PCI/G		0.0325	0.100	
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Chromium-51	0.0168	0.481	14392-02-0	PCI/G	U	0.832	0.600	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Cobalt-56	-0.00786	0.0301		PCI/G	U	0.0522	0.100	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Cobalt-57	-0.00242	0.014	13981-50-5	PCI/G	U	0.0251	0.050	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Cobalt-58	0.00509	0.0314	13981-38-9	PCI/G	U	0.0565	0.100	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Cobalt-60	0.00176	0.0229	10198-40-0	PCI/G	U	0.0424	0.100	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Europium-152	-0.00607	0.054	14683-23-9	PCI/G	U	0.0923	0.200	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Europium-154	-0.0244	0.0723	15585-10-1	PCI/G	U	0.128	0.500	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Europium-155	0.079	0.0585	14391-16-3	PCI/G	U	0.110	0.500	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Iridium-192	8.110E-05	0.0242	14694-69-0	PCI/G	U	0.0419	0.100	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Iron-59	-0.0472	0.0997	14596-12-4	PCI/G	U	0.166	0.300	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Lead-210	1.53	2.18	14255-04-0	PCI/G	U	3.82	4.00	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Lead-212	1.11	0.138	15092-94-1	PCI/G		0.0564	0.100	
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Lead-214	0.975	0.150	15067-28-4	PCI/G		0.0621	0.100	
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Manganese-54	0.0174	0.0206	13966-31-9	PCI/G	U	0.0398	0.100	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Mercury-203	0.00	0.047	13982-78-0	PCI/G	UUI	0.0622	0.100	UJ
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Neodymium-147	-0.916	2.20	14269-74-0	PCI/G	U	3.90	1000	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Neptunium-239	0.0285	0.102	13968-59-7	PCI/G	U	0.187	2.00	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Niobium-94	-0.0135	0.0198	14681-63-1	PCI/G	U	0.0335	1.00	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Niobium-95	0.0181	0.0976	13967-76-5	PCI/G	U	0.0799	0.050	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Potassium-40	23.9	2.56	13966-00-2	PCI/G		0.348	1.00	
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Promethium-144	-0.00236	0.0219		PCI/G	U	0.0387	0.080	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Promethium-146	-0.00523	0.0239		PCI/G	U	0.0431	1.00	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Radium-226	0.836	0.130	13982-63-3	PCI/G		0.0696	1.00	J
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Radium-228	0.973	0.207	15262-20-1	PCI/G		0.139	0.500	
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Ruthenium-106	-0.0628	0.186	13967-48-1	PCI/G	U	0.327	0.800	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Silver-110m	-0.00145	0.0225		PCI/G	U	0.0354	0.080	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Sodium-22	-0.00848	0.0264	13966-32-0	PCI/G	U	0.0468	0.080	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Thallium-208	0.322	0.0577	14913-50-9	PCI/G		0.0388	0.080	
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Thorium-230	0.836	0.130	14269-63-7	PCI/G		0.0696	1.00	J
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Thorium-234	0.585	1.05	15065-10-8	PCI/G	U	1.24	2.00	UJ
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Tin-113	-0.014	0.0318	13966-06-8	PCI/G	U	0.0528	0.100	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Uranium-235	0.0451	0.171	15117-96-1	PCI/G	U	0.209	0.500	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Uranium-238	0.585	1.05	7440-61-1	PCI/G	U	1.24	1.00	UJ
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Yttrium-88	0.00373	0.0233	13982-36-0	PCI/G	U	0.0452	0.100	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Zinc-65	-0.0465	0.0622	13982-39-3	PCI/G	U	0.101	0.300	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Zirconium-95	0.0482	0.0584	13967-71-0	PCI/G	U	0.109	0.200	U
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Thorium-232	1.06	0.131	7440-29-1	PCI/G		0.0537	0.500	
IGLOO 810-SB37; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/25/03	Uranium-234	0.979	0.206	13966-29-5	PCI/G		0.111	1.00	
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Neptunium-239	-0.00657	0.140	13968-59-7	PCI/G	U	0.259	2.00	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Niobium-94	0.00959	0.0232	14681-63-1	PCI/G	U	0.0425	1.00	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Niobium-95	0.0552	0.0667	13967-76-5	PCI/G	U	0.111	0.050	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Potassium-40	19.0	1.56	13966-00-2	PCI/G		0.378	1.00	
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Promethium-144	0.00237	0.0235		PCI/G	U	0.0425	0.080	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Promethium-146	0.0115	0.0308		PCI/G	U	0.0515	1.00	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Radium-226	0.932	0.139	13982-63-3	PCI/G		0.0701	1.00	J
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Radium-228	1.03	0.200	15262-20-1	PCI/G		0.151	0.500	
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Ruthenium-106	-0.0353	0.210	13967-48-1	PCI/G	U	0.376	0.800	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Silver-110m	-0.00438	0.0268		PCI/G	U	0.0415	0.080	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Sodium-22	0.0129	0.0294	13966-32-0	PCI/G	U	0.0534	0.080	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thallium-208	0.254	0.0553	14913-50-9	PCI/G		0.0433	0.080	
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-230	0.932	0.139	14269-63-7	PCI/G		0.0701	1.00	J
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-234	0.682	1.85	15065-10-8	PCI/G	U	2.28	2.00	UJ
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Tin-113	0.0101	0.038	13966-06-8	PCI/G	U	0.0673	0.100	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-235	0.0692	0.152	15117-96-1	PCI/G	U	0.281	0.500	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-238	0.682	1.85	7440-61-1	PCI/G	U	2.28	1.00	UJ
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Yttrium-88	-5.550E-06	0.025	13982-36-0	PCI/G	U	0.0472	0.100	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Zinc-65	-0.0526	0.0858	13982-39-3	PCI/G	U	0.120	0.300	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Zirconium-95	0.0447	0.0649	13967-71-0	PCI/G	U	0.122	0.200	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Actinium-228	1.03	0.200	14331-83-0	PCI/G		0.151	0.800	
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Americium-241	-0.0514	0.201	14596-10-2	PCI/G	U	0.313	0.200	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Antimony-124	-0.00616	0.0351	14683-10-4	PCI/G	U	0.0629	0.100	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Antimony-125	0.0052	0.0616	14234-35-6	PCI/G	U	0.108	0.200	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Barium-133	0.009	0.0308	13981-41-4	PCI/G	U	0.0486	0.100	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Barium-140	-0.506	0.934	14798-08-4	PCI/G	U	1.63	0.500	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Beryllium-7	-0.10	0.326	13966-02-4	PCI/G	U	0.554	0.700	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Bismuth-212	0.762	0.265	14913-49-6	PCI/G		0.317	0.500	
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Bismuth-214	0.932	0.139	14733-03-0	PCI/G		0.0701	0.200	J
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-139	0.003	0.0253		PCI/G	U	0.0462	0.050	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-141	0.0741	0.102	13967-74-3	PCI/G	U	0.169	0.100	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-144	-0.0838	0.163	14762-78-8	PCI/G	U	0.293	0.500	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-134	0.047	0.0372	13967-70-9	PCI/G	U	0.0533	0.100	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-136	0.276	0.457	14234-29-8	PCI/G	U	0.837	0.300	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-137	0.0242	0.0319	10045-97-3	PCI/G	U	0.0429	0.100	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Chromium-51	-0.33	0.598	14392-02-0	PCI/G	U	1.03	0.600	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-56	0.0248	0.0332		PCI/G	U	0.0625	0.100	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-57	0.00077	0.0196	13981-50-5	PCI/G	U	0.0362	0.050	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-58	-0.0278	0.0341	13981-38-9	PCI/G	U	0.0572	0.100	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-60	0.0014	0.026	10198-40-0	PCI/G	U	0.0479	0.100	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-152	-0.018	0.0706	14683-23-9	PCI/G	U	0.122	0.200	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-154	0.0353	0.0808	15585-10-1	PCI/G	U	0.147	0.500	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-155	0.00	0.162	14391-16-3	PCI/G	UUU	0.142	0.500	UU
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Iridium-192	-0.0312	0.0336	14694-69-0	PCI/G	U	0.0565	0.100	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Iron-59	-0.025	0.106	14596-12-4	PCI/G	U	0.181	0.300	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-210	4.36	7.86	14255-04-0	PCI/G	U	12.9	4.00	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-212	0.994	0.118	15092-94-1	PCI/G		0.0739	0.100	
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-214	1.20	0.163	15067-28-4	PCI/G		0.0813	0.100	
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Manganese-54	0.0362	0.0348	13966-31-9	PCI/G	U	0.0465	0.100	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Mercury-203	0.0445	0.0465	13982-78-0	PCI/G	U	0.0857	0.100	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Neodymium-147	-1.12	2.91	14269-74-0	PCI/G	U	5.18	1000	U
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-232	0.947	0.112	7440-29-1	PCI/G		0.0704	0.500	
IGLOO 811-SB38; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-234	1.26	0.205	13966-29-5	PCI/G		0.151	1.00	
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Actinium-228	0.608	0.160	14331-83-0	PCI/G		0.117	0.800	
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Americium-241	0.0965	0.136	14596-10-2	PCI/G	U	0.127	0.200	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Antimony-124	0.00176	0.026	14683-10-4	PCI/G	U	0.0473	0.100	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Antimony-125	0.0203	0.0423	14234-35-6	PCI/G	U	0.0806	0.200	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Barium-133	-0.0034	0.0224	13981-41-4	PCI/G	U	0.0344	0.100	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Barium-140	-0.0565	0.686	14798-08-4	PCI/G	U	1.26	0.500	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Beryllium-7	-0.0559	0.235	13966-02-4	PCI/G	U	0.428	0.700	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Bismuth-212	0.686	0.299	14913-49-6	PCI/G		0.245	0.500	
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Bismuth-214	0.835	0.127	14733-03-0	PCI/G		0.055	0.200	J
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-139	0.00445	0.016		PCI/G	U	0.0296	0.050	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-141	-0.028	0.0587	13967-74-3	PCI/G	U	0.107	0.100	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-144	-0.108	0.0987	14762-78-8	PCI/G	U	0.174	0.500	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-134	0.0239	0.0324	13967-70-9	PCI/G	U	0.0408	0.100	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-136	-0.0643	0.291	14234-29-8	PCI/G	U	0.528	0.300	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-137	0.134	0.0383	10045-97-3	PCI/G		0.0337	0.100	
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Chromium-51	-0.359	0.389	14392-02-0	PCI/G	U	0.647	0.600	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-56	-0.0207	0.025		PCI/G	U	0.0409	0.100	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-57	-0.00616	0.0119	13981-50-5	PCI/G	U	0.0219	0.050	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-60	0.0266	0.0214	10198-40-0	PCI/G	U	0.0427	0.100	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-152	-0.023	0.0506	14683-23-9	PCI/G	U	0.076	0.200	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-154	-0.0136	0.0596	15585-10-1	PCI/G	U	0.106	0.500	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-155	0.0569	0.0481	14391-16-3	PCI/G	U	0.0938	0.500	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Iridium-192	0.0323	0.0217	14694-69-0	PCI/G	U	0.041	0.100	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Iron-59	-0.0866	0.0761	14596-12-4	PCI/G	U	0.126	0.300	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-210	3.35	3.56	14255-04-0	PCI/G		3.19	4.00	
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-212	0.919	0.116	15092-94-1	PCI/G		0.0467	0.100	
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-214	1.01	0.140	15067-28-4	PCI/G		0.054	0.100	
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Manganese-54	-0.00368	0.0204	13966-31-9	PCI/G	U	0.0356	0.100	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Mercury-203	0.0475	0.0512	13982-78-0	PCI/G	U	0.0561	0.100	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Neodymium-147	-0.261	1.97	14269-74-0	PCI/G	U	3.60	1000	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Neptunium-239	0.0725	0.0795	13968-59-7	PCI/G	U	0.154	2.00	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Niobium-94	-0.00139	0.0183	14681-63-1	PCI/G	U	0.0285	1.00	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Niobium-95	-0.0124	0.052	13967-76-5	PCI/G	U	0.079	0.050	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Potassium-40	16.2	1.91	13966-00-2	PCI/G		0.310	1.00	
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Promethium-144	0.0139	0.0183		PCI/G	U	0.0342	0.080	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Promethium-146	0.00855	0.0205		PCI/G	U	0.0387	1.00	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Radium-226	0.835	0.127	13982-63-3	PCI/G		0.055	1.00	J
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Radium-228	0.608	0.160	15262-20-1	PCI/G		0.117	0.500	
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Ruthenium-106	0.0258	0.152	13967-48-1	PCI/G	U	0.279	0.800	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Silver-110m	0.0124	0.0193		PCI/G	U	0.0325	0.080	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Sodium-22	-0.00484	0.0217	13966-32-0	PCI/G	U	0.0386	0.080	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thallium-208	0.286	0.0544	14913-50-9	PCI/G		0.030	0.080	
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-230	0.835	0.127	14269-63-7	PCI/G		0.055	1.00	J
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-234	2.22	1.46	15065-10-8	PCI/G		1.05	2.00	J
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Tin-113	-0.00157	0.027	13966-06-8	PCI/G	U	0.0467	0.100	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-235	0.0796	0.0968	15117-96-1	PCI/G	U	0.182	0.500	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-238	2.22	1.46	7440-61-1	PCI/G		1.05	1.00	J
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Yttrium-88	0.00554	0.0204	13982-36-0	PCI/G	U	0.0395	0.100	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Zinc-65	-0.0325	0.0556	13982-39-3	PCI/G	U	0.0824	0.300	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Zirconium-95	0.0176	0.046	13967-71-0	PCI/G	U	0.0848	0.200	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-58	-0.00126	0.0294	13981-38-9	PCI/G	U	0.0456	0.100	U
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-232	0.875	0.111	7440-29-1	PCI/G		0.0445	0.500	
IGLOO 811-SB39; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-234	1.04	0.185	13966-29-5	PCI/G		0.110	1.00	
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Actinium-228	0.798	0.167	14331-83-0	PCI/G		0.096	0.800	
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Americium-241	0.0197	0.094	14596-10-2	PCI/G	U	0.159	0.200	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Antimony-124	0.00669	0.023	14683-10-4	PCI/G	U	0.0433	0.100	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Antimony-125	0.0109	0.0399	14234-35-6	PCI/G	U	0.0716	0.200	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Barium-133	-0.00207	0.0206	13981-41-4	PCI/G	U	0.0325	0.100	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Barium-140	0.104	0.620	14798-08-4	PCI/G	U	1.17	0.500	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Beryllium-7	0.0248	0.213	13966-02-4	PCI/G	U	0.376	0.700	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Bismuth-212	0.303	0.176	14913-49-6	PCI/G		0.227	0.500	
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Bismuth-214	0.658	0.102	14733-03-0	PCI/G		0.0568	0.200	J
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-139	0.0268	0.0271		PCI/G	U	0.0271	0.050	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-141	0.0384	0.0531	13967-74-3	PCI/G	U	0.102	0.100	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-144	-0.0109	0.0932	14762-78-8	PCI/G	U	0.176	0.500	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-134	0.031	0.0312	13967-70-9	PCI/G	U	0.0403	0.100	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-136	-0.291	0.367	14234-29-8	PCI/G	U	0.506	0.300	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-137	-0.00633	0.0159	10045-97-3	PCI/G	U	0.0283	0.100	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Chromium-51	0.220	0.356	14392-02-0	PCI/G	U	0.661	0.600	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-56	0.00609	0.0227		PCI/G	U	0.0419	0.100	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-57	-0.00353	0.0116	13981-50-5	PCI/G	U	0.0219	0.050	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-58	0.00	0.0915	13981-38-9	PCI/G	UUI	0.0425	0.100	UJ
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-60	-0.00323	0.0178	10198-40-0	PCI/G	U	0.0324	0.100	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-152	-0.0196	0.0424	14683-23-9	PCI/G	U	0.0736	0.200	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-154	-0.0441	0.0658	15585-10-1	PCI/G	U	0.0961	0.500	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-155	0.0648	0.0774	14391-16-3	PCI/G	U	0.0857	0.500	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Iridium-192	-0.00462	0.0199	14694-69-0	PCI/G	U	0.0353	0.100	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Iron-59	-0.00723	0.0731	14596-12-4	PCI/G	U	0.127	0.300	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-210	2.22	3.49	14255-04-0	PCI/G	U	6.13	4.00	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-212	0.787	0.0904	15092-94-1	PCI/G		0.0497	0.100	
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-214	0.652	0.103	15067-28-4	PCI/G		0.0526	0.100	
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Manganese-54	0.0111	0.018	13966-31-9	PCI/G	U	0.0338	0.100	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Mercury-203	0.00	0.0583	13982-78-0	PCI/G	UUI	0.0491	0.100	UJ
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Neodymium-147	0.787	1.79	14269-74-0	PCI/G	U	3.44	1000	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Neptunium-239	-0.0619	0.0798	13968-59-7	PCI/G	U	0.148	2.00	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Niobium-94	-0.0131	0.0152	14681-63-1	PCI/G	U	0.0221	1.00	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Niobium-95	0.0385	0.0432	13967-76-5	PCI/G	U	0.0748	0.050	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Potassium-40	16.6	1.41	13966-00-2	PCI/G		0.319	1.00	
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Promethium-144	-0.00678	0.0154		PCI/G	U	0.0273	0.080	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Promethium-146	-0.00544	0.0194		PCI/G	U	0.0333	1.00	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Radium-226	0.658	0.102	13982-63-3	PCI/G		0.0568	1.00	J
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Radium-228	0.798	0.167	15262-20-1	PCI/G		0.096	0.500	
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Ruthenium-106	0.110	0.140	13967-48-1	PCI/G	U	0.271	0.800	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Silver-110m	0.00621	0.0164		PCI/G	U	0.0308	0.080	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Sodium-22	-0.0161	0.0239	13966-32-0	PCI/G	U	0.035	0.080	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thallium-208	0.252	0.0464	14913-50-9	PCI/G		0.029	0.080	
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-234	1.34	1.46	15065-10-8	PCI/G		1.22	2.00	J
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Tin-113	-0.0127	0.0244	13966-06-8	PCI/G	U	0.0418	0.100	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-235	0.0304	0.0874	15117-96-1	PCI/G	U	0.166	0.500	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-238	1.34	1.46	7440-61-1	PCI/G		1.22	1.00	J
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Yttrium-88	0.00179	0.016	13982-36-0	PCI/G	U	0.0314	0.100	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Zinc-65	-0.0149	0.0486	13982-39-3	PCI/G	U	0.0825	0.300	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Zirconium-95	0.00901	0.0444	13967-71-0	PCI/G	U	0.0818	0.200	U
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-230	0.658	0.102	14269-63-7	PCI/G		0.0568	1.00	J
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-232	0.750	0.0861	7440-29-1	PCI/G		0.0473	0.500	
IGLOO 811-SB40; 0.5-2 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-234	0.845	0.145	13966-29-5	PCI/G		0.105	1.00	
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Barium-140	0.309	1.32	14798-08-4	PCI/G	U	2.06	0.500	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Beryllium-7	-0.103	0.369	13966-02-4	PCI/G	U	0.647	0.700	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Bismuth-212	0.816	0.323	14913-49-6	PCI/G		0.357	0.500	
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Bismuth-214	6.07	0.766	14733-03-0	PCI/G		0.0815	0.200	J
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-139	0.0184	0.0335		PCI/G	U	0.0528	0.050	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-141	0.00	0.125	13967-74-3	PCI/G	UUI	0.189	0.100	UJ
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-144	-0.0424	0.206	14762-78-8	PCI/G	U	0.323	0.500	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-134	0.00	0.0404	13967-70-9	PCI/G	UUI	0.0576	0.100	UJ
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-136	0.0526	0.467	14234-29-8	PCI/G	U	0.837	0.300	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-137	0.218	0.0514	10045-97-3	PCI/G		0.0441	0.100	
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Chromium-51	-0.333	0.683	14392-02-0	PCI/G	U	1.13	0.600	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-56	0.022	0.0396		PCI/G	U	0.0698	0.100	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-57	-0.0072	0.0227	13981-50-5	PCI/G	U	0.0399	0.050	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-58	-0.0343	0.0478	13981-38-9	PCI/G	U	0.0675	0.100	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-60	0.00285	0.0288	10198-40-0	PCI/G	U	0.0513	0.100	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-152	-0.0465	0.0759	14683-23-9	PCI/G	U	0.134	0.200	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-154	0.00691	0.0893	15585-10-1	PCI/G	U	0.158	0.500	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-155	0.0768	0.088	14391-16-3	PCI/G	U	0.160	0.500	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Iridium-192	0.00667	0.0385	14694-69-0	PCI/G	U	0.0652	0.100	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Iron-59	-0.00224	0.110	14596-12-4	PCI/G	U	0.195	0.300	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-210	2.09	5.57	14255-04-0	PCI/G	U	6.09	4.00	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-212	1.06	0.141	15092-94-1	PCI/G		0.0767	0.100	
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-214	7.56	0.865	15067-28-4	PCI/G		0.0961	0.100	
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Manganese-54	0.021	0.0242	13966-31-9	PCI/G	U	0.0523	0.100	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Mercury-203	0.00185	0.0563	13982-78-0	PCI/G	U	0.0953	0.100	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Neodymium-147	4.11	3.68	14269-74-0	PCI/G	U	6.02	1000	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Neptunium-239	-0.0945	0.153	13968-59-7	PCI/G	U	0.268	2.00	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Niobium-94	0.0285	0.0248	14681-63-1	PCI/G	U	0.0448	1.00	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Niobium-95	0.00	0.0861	13967-76-5	PCI/G	UUI	0.143	0.050	UJ
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Potassium-40	19.6	2.09	13966-00-2	PCI/G		0.452	1.00	
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Promethium-144	0.0127	0.0255		PCI/G	U	0.0452	0.080	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Promethium-146	0.0232	0.0331		PCI/G	U	0.0602	1.00	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Radium-226	6.07	0.766	13982-63-3	PCI/G		0.0815	1.00	J
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Radium-228	1.14	0.266	15262-20-1	PCI/G		0.167	0.500	
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Ruthenium-106	0.066	0.233	13967-48-1	PCI/G	U	0.413	0.800	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Silver-110m	0.0339	0.0313		PCI/G	U	0.044	0.080	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Sodium-22	0.00239	0.0325	13966-32-0	PCI/G	U	0.0575	0.080	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thallium-208	0.407	0.0846	14913-50-9	PCI/G		0.0419	0.080	
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-230	6.07	0.766	14269-63-7	PCI/G		0.0815	1.00	J
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-234	5.24	2.58	15065-10-8	PCI/G		2.06	2.00	J
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Tin-113	-0.0204	0.0424	13966-06-8	PCI/G	U	0.0746	0.100	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-235	0.555	0.303	15117-96-1	PCI/G		0.334	0.500	
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-238	5.24	2.58	7440-61-1	PCI/G		2.06	1.00	J
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Yttrium-88	0.00805	0.0313	13982-36-0	PCI/G	U	0.0571	0.100	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Zinc-65	-0.00208	0.077	13982-39-3	PCI/G	U	0.119	0.300	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Zirconium-95	0.0373	0.0749	13967-71-0	PCI/G	U	0.132	0.200	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Actinium-228	1.14	0.266	14331-83-0	PCI/G		0.167	0.800	
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Americium-241	0.0501	0.140	14596-10-2	PCI/G	U	0.257	0.200	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Antimony-124	-0.0101	0.0392	14683-10-4	PCI/G	U	0.0677	0.100	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Antimony-125	0.00	0.123	14234-35-6	PCI/G	UUI	0.142	0.200	UJ
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Barium-133	0.0195	0.0358	13981-41-4	PCI/G	U	0.0581	0.100	U
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-232	1.01	0.134	7440-29-1	PCI/G		0.0731	0.500	
IGLOO 811-SB40-1; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-234	7.47	0.916	13966-29-5	PCI/G		0.179	1.00	
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Actinium-228	1.04	0.286	14331-83-0	PCI/G		0.203	0.800	
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Americium-241	-0.0132	0.144	14596-10-2	PCI/G	U	0.256	0.200	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Antimony-124	-0.0349	0.0483	14683-10-4	PCI/G	U	0.0826	0.100	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Antimony-125	-0.0121	0.0858	14234-35-6	PCI/G	U	0.145	0.200	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Barium-133	-0.000879	0.0408	13981-41-4	PCI/G	U	0.0616	0.100	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Barium-140	1.52	1.53	14798-08-4	PCI/G	U	2.38	0.500	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Beryllium-7	-0.207	0.502	13966-02-4	PCI/G	U	0.724	0.700	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Bismuth-212	0.620	0.372	14913-49-6	PCI/G		0.431	0.500	
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Bismuth-214	6.35	0.594	14733-03-0	PCI/G		0.0948	0.200	J
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-139	0.000106	0.0376		PCI/G	U	0.056	0.050	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-141	0.154	0.116	13967-74-3	PCI/G	U	0.212	0.100	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cerium-144	-0.0371	0.206	14762-78-8	PCI/G	U	0.348	0.500	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-134	0.00	0.0506	13967-70-9	PCI/G	UUI	0.0661	0.100	UJ
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-136	-0.652	0.552	14234-29-8	PCI/G	U	0.866	0.300	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cesium-137	0.239	0.0417	10045-97-3	PCI/G		0.0498	0.100	
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Chromium-51	-0.465	0.774	14392-02-0	PCI/G	U	1.32	0.600	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-56	0.00753	0.0474		PCI/G	U	0.0823	0.100	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-57	-0.0132	0.0259	13981-50-5	PCI/G	U	0.0437	0.050	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-58	0.0276	0.0509	13981-38-9	PCI/G	U	0.0794	0.100	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Cobalt-60	-0.00155	0.0343	10198-40-0	PCI/G	U	0.0599	0.100	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-152	-0.0239	0.0855	14683-23-9	PCI/G	U	0.147	0.200	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-154	0.0672	0.105	15585-10-1	PCI/G	U	0.169	0.500	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Europium-155	0.0356	0.0957	14391-16-3	PCI/G	U	0.167	0.500	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Iridium-192	0.0194	0.0423	14694-69-0	PCI/G	U	0.0744	0.100	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Iron-59	-0.161	0.129	14596-12-4	PCI/G	U	0.212	0.300	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-210	5.71	5.01	14255-04-0	PCI/G	U	6.32	4.00	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-212	1.14	0.127	15092-94-1	PCI/G		0.0876	0.100	
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Lead-214	7.48	0.652	15067-28-4	PCI/G		0.0985	0.100	
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Manganese-54	0.0251	0.0373	13966-31-9	PCI/G	U	0.0583	0.100	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Mercury-203	0.0645	0.107	13982-78-0	PCI/G	U	0.102	0.100	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Neodymium-147	-0.333	4.44	14269-74-0	PCI/G	U	6.49	1000	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Neptunium-239	0.0496	0.174	13968-59-7	PCI/G	U	0.300	2.00	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Niobium-94	0.0189	0.0277	14681-63-1	PCI/G	U	0.0498	1.00	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Niobium-95	0.00	0.0956	13967-76-5	PCI/G	UUI	0.162	0.050	UJ
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Potassium-40	20.0	1.70	13966-00-2	PCI/G		0.546	1.00	
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Promethium-144	0.0263	0.0296		PCI/G	U	0.0537	0.080	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Promethium-146	0.0562	0.0457		PCI/G	U	0.0704	1.00	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Radium-226	6.35	0.594	13982-63-3	PCI/G		0.0948	1.00	J
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Radium-228	1.04	0.286	15262-20-1	PCI/G		0.203	0.500	
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Ruthenium-106	0.0455	0.266	13967-48-1	PCI/G	U	0.473	0.800	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Silver-110m	0.00157	0.033		PCI/G	U	0.0506	0.080	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Sodium-22	0.0243	0.0383	13966-32-0	PCI/G	U	0.0614	0.080	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thallium-208	0.360	0.0775	14913-50-9	PCI/G		0.0535	0.080	
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-230	6.34	0.594	14269-63-7	PCI/G		0.0948	1.00	J
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-234	6.96	2.51	15065-10-8	PCI/G		2.08	2.00	J
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Tin-113	-0.0346	0.0511	13966-06-8	PCI/G	U	0.0854	0.100	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-235	0.423	0.303	15117-96-1	PCI/G		0.361	0.500	
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-238	6.96	2.51	7440-61-1	PCI/G		2.08	1.00	J
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Yttrium-88	0.00662	0.0319	13982-36-0	PCI/G	U	0.060	0.100	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Zinc-65	0.0382	0.0914	13982-39-3	PCI/G	U	0.143	0.300	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Zirconium-95	-0.0286	0.0833	13967-71-0	PCI/G	U	0.142	0.200	U
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Thorium-232	1.08	0.121	7440-29-1	PCI/G		0.0834	0.500	
IGLOO 811-SB40-2; 0-0.5 ft	SAMPLE	08/08/03	08/26/03	08/27/03	09/25/03	Uranium-234	7.54	0.711	13966-29-5	PCI/G		0.203	1.00	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Radium-228	0.846	0.209	15262-20-1	PCI/G		0.160	0.500	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Ruthenium-106	-0.201	0.197	13967-48-1	PCI/G	U	0.324	0.800	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Silver-110m	-0.00797	0.0221		PCI/G	U	0.0385	0.080	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Sodium-22	0.011	0.0278	13966-32-0	PCI/G	U	0.0522	0.080	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Thallium-208	0.332	0.057	14913-50-9	PCI/G		0.0391	0.080	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Thorium-230	0.840	0.138	14269-63-7	PCI/G		0.0735	1.00	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Thorium-234	1.17	1.28	15065-10-8	PCI/G	U	1.25	2.00	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Tin-113	-0.00582	0.0304	13966-06-8	PCI/G	U	0.0511	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Uranium-235	0.132	0.124	15117-96-1	PCI/G	U	0.223	0.500	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Uranium-238	1.17	1.28	7440-61-1	PCI/G	U	1.25	1.00	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Yttrium-88	0.00314	0.0251	13982-36-0	PCI/G	U	0.0433	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Zinc-65	-0.0416	0.0793	13982-39-3	PCI/G	U	0.112	0.300	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Zirconium-95	0.0178	0.0572	13967-71-0	PCI/G	U	0.104	0.200	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Radium-226	0.840	0.138	13982-63-3	PCI/G		0.0735	1.00	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Actinium-228	0.846	0.209	14331-83-0	PCI/G		0.160	0.800	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Americium-241	0.0419	0.0854	14596-10-2	PCI/G	U	0.159	0.200	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Antimony-124	-0.00922	0.0329	14683-10-4	PCI/G	U	0.0577	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Antimony-125	-0.0306	0.0577	14234-35-6	PCI/G	U	0.094	0.200	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Barium-133	-0.0182	0.0291	13981-41-4	PCI/G	U	0.0417	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Barium-140	-0.455	0.777	14798-08-4	PCI/G	U	1.32	0.500	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Beryllium-7	-0.0681	0.254	13966-02-4	PCI/G	U	0.453	0.700	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Bismuth-212	0.708	0.322	14913-49-6	PCI/G		0.299	0.500	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Bismuth-214	0.840	0.138	14733-03-0	PCI/G		0.0735	0.200	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cerium-139	-0.0143	0.0201		PCI/G	U	0.0343	0.050	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cerium-141	0.0581	0.0715	13967-74-3	PCI/G	U	0.129	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cerium-144	-0.11	0.122	14762-78-8	PCI/G	U	0.207	0.500	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cesium-134	0.042	0.0426	13967-70-9	PCI/G	U	0.0545	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cesium-136	-0.129	0.353	14234-29-8	PCI/G	U	0.594	0.300	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cesium-137	-0.000659	0.0235	10045-97-3	PCI/G	U	0.0417	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Chromium-51	-0.145	0.472	14392-02-0	PCI/G	U	0.793	0.600	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cobalt-56	0.0346	0.0306		PCI/G	U	0.0586	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cobalt-57	-0.00562	0.0156	13981-50-5	PCI/G	U	0.0274	0.050	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cobalt-58	-0.00596	0.0383	13981-38-9	PCI/G	U	0.0583	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cobalt-60	-0.00308	0.0251	10198-40-0	PCI/G	U	0.0454	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Europium-152	0.0257	0.0543	14683-23-9	PCI/G	U	0.0955	0.200	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Europium-154	0.0297	0.0764	15585-10-1	PCI/G	U	0.143	0.500	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Europium-155	0.00	0.101	14391-16-3	PCI/G	UUI	0.101	0.500	UUI
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Iridium-192	-0.0137	0.0306	14694-69-0	PCI/G	U	0.045	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Iron-59	-0.0117	0.102	14596-12-4	PCI/G	U	0.174	0.300	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Lead-210	1.46	3.68	14255-04-0	PCI/G	U	3.97	4.00	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Lead-212	1.10	0.138	15092-94-1	PCI/G		0.0594	0.100	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Lead-214	0.934	0.142	15067-28-4	PCI/G		0.0711	0.100	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Manganese-54	0.0229	0.0262	13966-31-9	PCI/G	U	0.0442	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Mercury-203	0.00	0.0483	13982-78-0	PCI/G	UUI	0.0586	0.100	UUI
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Neodymium-147	-0.382	2.24	14269-74-0	PCI/G	U	4.00	1000	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Neptunium-239	-0.0134	0.105	13968-59-7	PCI/G	U	0.186	2.00	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Niobium-94	0.000122	0.0203	14681-63-1	PCI/G	U	0.036	1.00	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Niobium-95	0.00776	0.0576	13967-76-5	PCI/G	U	0.0907	0.050	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Potassium-40	25.2	2.69	13966-00-2	PCI/G		0.399	1.00	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Promethium-144	-0.000597	0.0211		PCI/G	U	0.0374	0.080	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Promethium-146	-0.00472	0.0251		PCI/G	U	0.0451	1.00	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Thorium-232	1.05	0.132	7440-29-1	PCI/G		0.0567	0.500	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Uranium-234	0.944	0.179	13966-29-5	PCI/G		0.132	1.00	
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Manganese-54	0.00288	0.0187	13966-31-9	PCI/G	U	0.0326	0.100	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Mercury-203	0.00	0.044	13982-78-0	PCI/G	UUI	0.0494	0.100	UJ
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Neodymium-147	-1.15	1.57	14269-74-0	PCI/G	U	2.54	1000	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Neptunium-239	-0.00954	0.0947	13968-59-7	PCI/G	U	0.164	2.00	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Niobium-94	-0.000788	0.0153	14681-63-1	PCI/G	U	0.0267	1.00	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Niobium-95	0.0162	0.047	13967-76-5	PCI/G	U	0.0726	0.050	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Potassium-40	24.3	1.95	13966-00-2	PCI/G		0.282	1.00	
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Promethium-144	0.00216	0.0164		PCI/G	U	0.029	0.080	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Promethium-146	-0.00748	0.0202		PCI/G	U	0.034	1.00	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Radium-226	0.808	0.115	13982-63-3	PCI/G		0.051	1.00	
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Radium-228	1.08	0.216	15262-20-1	PCI/G		0.104	0.500	J
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Ruthenium-106	-0.00547	0.154	13967-48-1	PCI/G	U	0.271	0.800	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Silver-110m	0.00454	0.0169		PCI/G	U	0.0303	0.080	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Sodium-22	-0.00993	0.0229	13966-32-0	PCI/G	U	0.0389	0.080	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Thallium-208	0.287	0.0491	14913-50-9	PCI/G		0.0292	0.080	
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Thorium-230	0.808	0.115	14269-63-7	PCI/G		0.051	1.00	
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Thorium-234	2.21	1.31	15065-10-8	PCI/G		0.887	2.00	J
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Tin-113	0.000589	0.0239	13966-06-8	PCI/G	U	0.0414	0.100	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Uranium-235	0.0816	0.162	15117-96-1	PCI/G	U	0.192	0.500	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Uranium-238	2.21	1.31	7440-61-1	PCI/G		0.887	1.00	J

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Yttrium-88	0.00691	0.0176	13982-36-0	PCI/G	U	0.0338	0.100	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Zinc-65	0.0167	0.0521	13982-39-3	PCI/G	U	0.0814	0.300	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Zirconium-95	0.0236	0.0434	13967-71-0	PCI/G	U	0.0779	0.200	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Actinium-228	1.08	0.216	14331-83-0	PCI/G	U	0.104	0.800	J
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Americium-241	0.0539	0.0638	14596-10-2	PCI/G	U	0.107	0.200	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Antimony-124	0.0111	0.0238	14683-10-4	PCI/G	U	0.0431	0.100	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Antimony-125	0.0201	0.0418	14234-35-6	PCI/G	U	0.0737	0.200	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Barium-133	-0.00553	0.0206	13981-41-4	PCI/G	U	0.0311	0.100	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Barium-140	-0.236	0.576	14798-08-4	PCI/G	U	0.946	0.500	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Beryllium-7	-0.0242	0.243	13966-02-4	PCI/G	U	0.361	0.700	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Bismuth-212	0.575	0.274	14913-49-6	PCI/G	U	0.229	0.500	J
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Bismuth-214	0.808	0.115	14733-03-0	PCI/G	U	0.051	0.200	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Cerium-139	-0.0102	0.0171		PCI/G	U	0.0286	0.050	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Cerium-141	0.037	0.0735	13967-74-3	PCI/G	U	0.0966	0.100	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Cerium-144	-0.0679	0.107	14762-78-8	PCI/G	U	0.181	0.500	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Cesium-134	0.00	0.0367	13967-70-9	PCI/G	UUU	0.0418	0.100	UUJ
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Cesium-136	0.0375	0.258	14234-29-8	PCI/G	U	0.443	0.300	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Cesium-137	-0.00178	0.0189	10045-97-3	PCI/G	U	0.0288	0.100	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Chromium-51	-0.102	0.353	14392-02-0	PCI/G	U	0.613	0.600	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Cobalt-56	-0.00391	0.0238		PCI/G	U	0.0409	0.100	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Cobalt-57	0.000236	0.0135	13981-50-5	PCI/G	U	0.0235	0.050	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Cobalt-58	-0.0018	0.0243	13981-38-9	PCI/G	U	0.042	0.100	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Cobalt-60	-0.00342	0.0189	10198-40-0	PCI/G	U	0.0328	0.100	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Europium-152	-0.00371	0.0449	14683-23-9	PCI/G	U	0.0782	0.200	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Europium-154	-0.0277	0.063	15585-10-1	PCI/G	U	0.107	0.500	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Europium-155	0.0173	0.053	14391-16-3	PCI/G	U	0.0935	0.500	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Iridium-192	0.00328	0.0213	14694-69-0	PCI/G	U	0.0376	0.100	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Iron-59	-0.0229	0.0736	14596-12-4	PCI/G	U	0.122	0.300	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Lead-210	0.788	2.16	14255-04-0	PCI/G	U	2.11	4.00	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Lead-212	1.10	0.127	15092-94-1	PCI/G	U	0.046	0.100	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Lead-214	0.972	0.127	15067-28-4	PCI/G	U	0.0531	0.100	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Thorium-232	1.06	0.122	7440-29-1	PCI/G	U	0.044	0.500	U
IGLOO 811-SB41; 0.5-2 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/22/03	Uranium-234	0.997	0.165	13966-29-5	PCI/G	U	0.107	1.00	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Actinium-228	0.738	0.205	14331-83-0	PCI/G	U	0.131	0.800	J
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Americium-241	0.00235	0.0842	14596-10-2	PCI/G	U	0.142	0.200	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Antimony-124	-0.0105	0.0279	14683-10-4	PCI/G	U	0.049	0.100	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Antimony-125	-0.0147	0.0535	14234-35-6	PCI/G	U	0.0792	0.200	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Barium-133	0.0141	0.0223	13981-41-4	PCI/G	U	0.0363	0.100	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Barium-140	-0.171	0.632	14798-08-4	PCI/G	U	1.13	0.500	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Beryllium-7	-0.0283	0.246	13966-02-4	PCI/G	U	0.446	0.700	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Bismuth-212	0.681	0.283	14913-49-6	PCI/G		0.292	0.500	J
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Bismuth-214	0.698	0.126	14733-03-0	PCI/G		0.0582	0.200	
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Cerium-139	-0.00474	0.0176		PCI/G	U	0.0311	0.050	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Cerium-141	-0.0095	0.0606	13967-74-3	PCI/G	U	0.108	0.100	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Cerium-144	-0.0236	0.107	14762-78-8	PCI/G	U	0.191	0.500	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Cesium-134	0.0421	0.0366	13967-70-9	PCI/G	U	0.0482	0.100	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Cesium-136	-0.203	0.333	14234-29-8	PCI/G	U	0.549	0.300	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Cesium-137	0.0106	0.0205	10045-97-3	PCI/G	U	0.0381	0.100	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Chromium-51	-0.153	0.392	14392-02-0	PCI/G	U	0.664	0.600	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Cobalt-56	-0.000843	0.0267		PCI/G	U	0.0475	0.100	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Cobalt-57	-0.0079	0.0133	13981-50-5	PCI/G	U	0.0235	0.050	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Cobalt-58	-0.00745	0.0261	13981-38-9	PCI/G	U	0.0456	0.100	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Cobalt-60	-0.0122	0.0212	10198-40-0	PCI/G	U	0.0368	0.100	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Europium-152	-0.0448	0.0526	14683-23-9	PCI/G	U	0.0857	0.200	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Europium-154	-0.0052	0.0721	15585-10-1	PCI/G	U	0.131	0.500	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Europium-155	0.0529	0.0957	14391-16-3	PCI/G	U	0.0954	0.500	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Iridium-192	0.0249	0.0229	14694-69-0	PCI/G	U	0.042	0.100	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Iron-59	-0.00377	0.0947	14596-12-4	PCI/G	U	0.144	0.300	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Lead-210	0.534	2.26	14255-04-0	PCI/G	U	3.60	4.00	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Lead-214	0.783	0.126	15067-28-4	PCI/G		0.0603	0.100	
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Manganese-54	0.00683	0.0212	13966-31-9	PCI/G	U	0.0385	0.100	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Mercury-203	0.0199	0.0349	13982-78-0	PCI/G	U	0.0564	0.100	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Neodymium-147	-0.346	1.92	14269-74-0	PCI/G	U	3.46	1000	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Neptunium-239	-0.0658	0.0916	13968-59-7	PCI/G	U	0.161	2.00	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Niobium-94	0.00946	0.019	14681-63-1	PCI/G	U	0.0349	1.00	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Niobium-95	0.0224	0.0666	13967-76-5	PCI/G	U	0.0806	0.050	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Potassium-40	18.6	2.05	13966-00-2	PCI/G		0.300	1.00	
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Promethium-144	0.00166	0.0192		PCI/G	U	0.0346	0.080	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Promethium-146	0.00812	0.0232		PCI/G	U	0.0431	1.00	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Radium-226	0.698	0.126	13982-63-3	PCI/G		0.0582	1.00	
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Radium-228	0.738	0.205	15262-20-1	PCI/G		0.131	0.500	J
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Ruthenium-106	0.061	0.153	13967-48-1	PCI/G	U	0.287	0.800	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Silver-110m	-0.00526	0.0194		PCI/G	U	0.0343	0.080	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Sodium-22	-0.00214	0.0262	13966-32-0	PCI/G	U	0.0475	0.080	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Thallium-208	0.261	0.0562	14913-50-9	PCI/G		0.031	0.080	
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Thorium-230	0.698	0.126	14269-63-7	PCI/G		0.0582	1.00	

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Thorium-234	0.689	1.33	15065-10-8	PCI/G	U	1.12	2.00	UJ
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Tin-113	-0.00252	0.0268	13966-06-8	PCI/G	U	0.0458	0.100	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Uranium-235	0.0375	0.106	15117-96-1	PCI/G	U	0.192	0.500	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Uranium-238	0.689	1.33	7440-61-1	PCI/G	U	1.12	1.00	UJ
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Yttrium-88	0.00868	0.0204	13982-36-0	PCI/G	U	0.0422	0.100	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Zinc-65	-0.00399	0.0573	13982-39-3	PCI/G	U	0.0868	0.300	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Zirconium-95	0.0799	0.0903	13967-71-0	PCI/G	U	0.0898	0.200	U
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Lead-212	0.823	0.109	15092-94-1	PCI/G		0.0507	0.100	
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Thorium-232	0.787	0.104	7440-29-1	PCI/G		0.0485	0.500	
IGLOO 811-SB41; 0/2-4 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/23/03	Uranium-234	0.696	0.143	13966-29-5	PCI/G		0.121	1.00	
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Niobium-94	0.00	0.115	14681-63-1	PCI/G	UUI	0.147	1.00	UJ
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Niobium-95	0.00	0.679	13967-76-5	PCI/G	UUI	0.679	0.050	UJ
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Potassium-40	18.9	2.22	13966-00-2	PCI/G		1.69	1.00	
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Promethium-144	-0.00378	0.0801		PCI/G	U	0.135	0.080	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Promethium-146	0.00	0.190		PCI/G	UUI	0.203	1.00	UJ
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Radium-226	74.4	6.59	13982-63-3	PCI/G		0.270	1.00	J
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Radium-228	0.935	0.525	15262-20-1	PCI/G		0.572	0.500	
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	-0.839	0.754	13967-48-1	PCI/G	U	1.25	0.800	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Silver-110m	0.0711	0.0966		PCI/G	U	0.145	0.080	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Sodium-22	0.180	0.122	13966-32-0	PCI/G	U	0.186	0.080	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Thallium-208	0.265	0.126	14913-50-9	PCI/G		0.142	0.080	
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Thorium-230	74.4	6.59	14269-63-7	PCI/G		0.270	1.00	J
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Thorium-234	78.1	15.3	15065-10-8	PCI/G		6.58	2.00	J
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Tin-113	0.163	0.173	13966-06-8	PCI/G	U	0.254	0.100	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Uranium-235	5.68	1.35	15117-96-1	PCI/G		1.17	0.500	
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Uranium-238	78.1	15.3	7440-61-1	PCI/G		6.58	1.00	J
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Yttrium-88	0.00	0.156	13982-36-0	PCI/G	UUI	0.209	0.100	UJ
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Zinc-65	0.00	0.323	13982-39-3	PCI/G	UUI	0.500	0.300	UJ
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Zirconium-95	-0.121	0.278	13967-71-0	PCI/G	U	0.399	0.200	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Neptunium-239	-0.491	0.552	13968-59-7	PCI/G	U	0.906	2.00	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Actinium-228	0.935	0.525	14331-83-0	PCI/G		0.572	0.800	
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Americium-241	-0.121	0.470	14596-10-2	PCI/G	U	0.803	0.200	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Antimony-124	-2.94	0.271	14683-10-4	PCI/G	U	0.224	0.100	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Antimony-125	0.00	0.387	14234-35-6	PCI/G	UUI	0.466	0.200	UJ
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Barium-133	0.123	0.127	13981-41-4	PCI/G	U	0.188	0.100	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Barium-140	2.20	4.63	14798-08-4	PCI/G	U	6.93	0.500	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Beryllium-7	0.00	1.98	13966-02-4	PCI/G	UUI	2.12	0.700	UJ
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Bismuth-212	0.364	0.676	14913-49-6	PCI/G	U	1.15	0.500	U

SEAD-48
Soil Sam.pling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Bismuth-214	74.4	6.59	14733-03-0	PCI/G		0.270	0.200	J
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Cerium-139	0.00	0.123		PCI/G	UUI	0.180	0.050	UJ
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Cerium-141	0.00	0.512	13967-74-3	PCI/G	UUI	0.658	0.100	UJ
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Cerium-144	-0.369	0.655	14762-78-8	PCI/G	U	1.07	0.500	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Cesium-134	-0.0641	0.0998	13967-70-9	PCI/G	U	0.165	0.100	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Cesium-136	1.00	1.88	14234-29-8	PCI/G	U	2.69	0.300	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Cesium-137	0.322	0.118	10045-97-3	PCI/G		0.139	0.100	
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Chromium-51	0.909	2.71	14392-02-0	PCI/G	U	4.02	0.600	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Cobalt-56	0.087	0.133		PCI/G	U	0.224	0.100	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Cobalt-57	0.00647	0.134	13981-50-5	PCI/G	U	0.134	0.050	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Cobalt-58	-0.0611	0.156	13981-38-9	PCI/G	U	0.223	0.100	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Cobalt-60	-0.0517	0.103	10198-40-0	PCI/G	U	0.170	0.100	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Europium-152	0.275	0.266	14683-23-9	PCI/G	U	0.469	0.200	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Europium-154	0.492	0.337	15585-10-1	PCI/G	U	0.510	0.500	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Europium-155	0.280	0.323	14391-16-3	PCI/G	U	0.504	0.500	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Iridium-192	0.0513	0.148	14694-69-0	PCI/G	U	0.220	0.100	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Iron-59	-0.656	0.442	14596-12-4	PCI/G	U	0.616	0.300	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Lead-210	55.4	18.4	14255-04-0	PCI/G		19.3	4.00	
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Lead-212	1.16	0.296	15092-94-1	PCI/G		0.260	0.100	
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Lead-214	87.6	7.18	15067-28-4	PCI/G		0.321	0.100	
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Manganese-54	0.053	0.173	13966-31-9	PCI/G	U	0.168	0.100	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Mercury-203	-0.24	0.187	13982-78-0	PCI/G	U	0.312	0.100	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Neodymium-147	-3.85	14.4	14269-74-0	PCI/G	U	20.3	1000	U
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Thorium-232	1.10	0.282	7440-29-1	PCI/G		0.247	0.500	
IGLOO 811-SB41; 0-0.5 ft	SAMPLE	08/09/03	08/26/03	08/27/03	09/27/03	Uranium-234	87.2	7.40	13966-29-5	PCI/G		0.631	1.00	
IGLOO 912-SB42; 0-0.5 ft	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Iridium-192	0.0144	0.0274	14694-69-0	PCI/G	U	0.0484	0.100	U
IGLOO 912-SB42; 0-0.5 ft	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Iron-59	-0.0278	0.0819	14596-12-4	PCI/G	U	0.143	0.300	U
IGLOO 912-SB42; 0-0.5 ft	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Lead-210	0.421	3.15	14255-04-0	PCI/G	U	4.13	4.00	U
IGLOO 912-SB42; 0-0.5 ft	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Lead-212	0.840	0.0953	15092-94-1	PCI/G		0.0666	0.100	
IGLOO 912-SB42; 0-0.5 ft	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Lead-214	0.807	0.119	15067-28-4	PCI/G		0.0748	0.100	
IGLOO 912-SB42; 0-0.5 ft	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Manganese-54	0.00147	0.026	13966-31-9	PCI/G	U	0.0454	0.100	U
IGLOO 912-SB42; 0-0.5 ft	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Mercury-203	0.0601	0.0378	13982-78-0	PCI/G	U	0.0629	0.100	U
IGLOO 912-SB42; 0-0.5 ft	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Neodymium-147	0.575	1.23	14269-74-0	PCI/G	U	2.14	1000	U
IGLOO 912-SB42; 0-0.5 ft	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Neptunium-239	-0.00337	0.124	13968-59-7	PCI/G	U	0.208	2.00	U
IGLOO 912-SB42; 0-0.5 ft	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Niobium-94	-0.00221	0.0225	14681-63-1	PCI/G	U	0.0392	1.00	U
IGLOO 912-SB42; 0-0.5 ft	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Niobium-95	0.022	0.0294	13967-76-5	PCI/G	U	0.084	0.050	U
IGLOO 912-SB42; 0-0.5 ft	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Potassium-40	18.6	1.58	13966-00-2	PCI/G		0.382	1.00	
IGLOO 912-SB42; 0-0.5 ft	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Promethium-144	0.0172	0.024		PCI/G	U	0.0439	0.080	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Europium-155	0.0481	0.0403	14391-16-3	PCI/G	U	0.078	0.500	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Iridium-192	-0.00791	0.0147	14694-69-0	PCI/G	U	0.0253	0.100	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Iron-59	0.0279	0.0359	14596-12-4	PCI/G	U	0.0669	0.300	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Lead-210	1.48	2.47	14255-04-0	PCI/G	U	4.12	4.00	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Lead-212	0.208	0.0467	15092-94-1	PCI/G		0.0367	0.100	
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Lead-214	0.620	0.0979	15067-28-4	PCI/G		0.044	0.100	
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Manganese-54	0.000595	0.0129	13966-31-9	PCI/G	U	0.0228	0.100	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Mercury-203	-0.00155	0.0196	13982-78-0	PCI/G	U	0.0348	0.100	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Neodymium-147	0.479	0.632	14269-74-0	PCI/G	U	1.19	1000	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Neptunium-239	-0.00706	0.0702	13968-59-7	PCI/G	U	0.131	2.00	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Niobium-94	0.00734	0.0107	14681-63-1	PCI/G	U	0.0199	1.00	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Niobium-95	0.0275	0.0426	13967-76-5	PCI/G	U	0.0389	0.050	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Potassium-40	4.51	0.632	13966-00-2	PCI/G		0.213	1.00	
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Promethium-144	-3.660E-05	0.0114		PCI/G	U	0.0204	0.080	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Promethium-146	0.00433	0.0149		PCI/G	U	0.0263	1.00	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Radium-226	0.528	0.0834	13982-63-3	PCI/G		0.0398	1.00	
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Radium-228	0.166	0.0958	15262-20-1	PCI/G		0.0729	0.500	J
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Ruthenium-106	-0.000274	0.112	13967-48-1	PCI/G	U	0.201	0.800	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Silver-110m	0.014	0.013		PCI/G	U	0.0222	0.080	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Sodium-22	-0.00194	0.013	13966-32-0	PCI/G	U	0.0233	0.080	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Thallium-208	0.0569	0.0245	14913-50-9	PCI/G		0.0227	0.080	
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Thorium-230	0.528	0.0834	14269-63-7	PCI/G		0.0398	1.00	
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Thorium-234	0.966	1.15	15065-10-8	PCI/G	U	1.05	2.00	UJ
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Tin-113	-0.00635	0.0205	13966-06-8	PCI/G	U	0.0305	0.100	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Uranium-235	0.106	0.112	15117-96-1	PCI/G	U	0.148	0.500	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Uranium-238	0.966	1.15	7440-61-1	PCI/G	U	1.05	1.00	UJ
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Yttrium-88	0.00647	0.0128	13982-36-0	PCI/G	U	0.0249	0.100	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Zinc-65	0.0129	0.0323	13982-39-3	PCI/G	U	0.0527	0.300	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Zirconium-95	-0.0211	0.0273	13967-71-0	PCI/G	U	0.0457	0.200	U
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Actinium-228	0.166	0.0958	14331-83-0	PCI/G		0.0729	0.800	J
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Thorium-232	0.201	0.0452	7440-29-1	PCI/G		0.0355	0.500	
IGLOO 912-SB44; 0-3 in	SAMPLE	08/20/03	08/26/03	08/27/03	09/23/03	Uranium-234	0.683	0.121	13966-29-5	PCI/G		0.0824	1.00	
LCS	LCS	09/29/03	09/29/03	09/29/03	09/29/03	Cesium-137	97	42.6	10045-97-3	%		0.827	0.100	
LCS	LCS	09/23/03	09/23/03	09/23/03	09/23/03	Cesium-137	101	48.6	10045-97-3	%		1.30	0.100	
LCS	LCS	09/22/03	09/22/03	09/22/03	09/22/03	Cesium-137	101	35.1	10045-97-3	%		0.868	0.100	
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Actinium-228	0.103	0.128	14331-83-0	PCI/G	U	0.160	0.800	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Americium-241	0.00557	0.0489	14596-10-2	PCI/G	U	0.0583	0.200	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Antimony-124	-0.00287	0.0284	14683-10-4	PCI/G	U	0.0415	0.100	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Antimony-125	-0.00329	0.0505	14234-35-6	PCI/G	U	0.086	0.200	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Barium-133	-0.0108	0.0235	13981-41-4	PCI/G	U	0.0393	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Barium-140	0.0551	0.283	14798-08-4	PCI/G	U	0.486	0.500	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Beryllium-7	0.174	0.205	13966-02-4	PCI/G	U	0.366	0.700	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Bismuth-212	0.0882	0.165	14913-49-6	PCI/G	U	0.303	0.500	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Bismuth-214	0.00	0.0433	14733-03-0	PCI/G	UUI	0.0795	0.200	UUI
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Cerium-139	-7.460E-05	0.0164		PCI/G	U	0.0266	0.050	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Cerium-141	0.0143	0.0471	13967-74-3	PCI/G	U	0.0663	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Cerium-144	0.0949	0.103	14762-78-8	PCI/G	U	0.173	0.500	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Cesium-134	0.0235	0.0217	13967-70-9	PCI/G	U	0.0414	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Cesium-136	0.0904	0.105	14234-29-8	PCI/G	U	0.183	0.300	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Cesium-137	0.00627	0.0576	10045-97-3	PCI/G	U	0.0378	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Chromium-51	-0.127	0.272	14392-02-0	PCI/G	U	0.457	0.600	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Cobalt-56	-0.00162	0.0253		PCI/G	U	0.0446	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Cobalt-57	0.00392	0.0129	13981-50-5	PCI/G	U	0.0213	0.050	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Cobalt-58	-0.0137	0.0241	13981-38-9	PCI/G	U	0.0409	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Cobalt-60	0.0223	0.0209	10198-40-0	PCI/G	U	0.0412	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Europium-152	0.0179	0.0498	14683-23-9	PCI/G	U	0.0869	0.200	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Europium-154	-0.0136	0.0509	15585-10-1	PCI/G	U	0.0883	0.500	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Europium-155	-0.0152	0.0481	14391-16-3	PCI/G	U	0.0784	0.500	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Iridium-192	-0.00875	0.0206	14694-69-0	PCI/G	U	0.0346	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Iron-59	0.0112	0.0565	14596-12-4	PCI/G	U	0.102	0.300	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Lead-210	0.505	0.469	14255-04-0	PCI/G	U	0.737	4.00	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Lead-212	0.0135	0.0613	15092-94-1	PCI/G	U	0.0627	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Lead-214	0.0296	0.0375	15067-28-4	PCI/G	U	0.0663	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Manganese-54	-0.00611	0.0192	13966-31-9	PCI/G	U	0.0333	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Mercury-203	0.00892	0.0251	13982-78-0	PCI/G	U	0.0438	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Neodymium-147	0.569	0.564	14269-74-0	PCI/G	U	1.34	1000	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Neptunium-239	-0.00331	0.0893	13968-59-7	PCI/G	U	0.147	2.00	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Niobium-94	-0.00106	0.0185	14681-63-1	PCI/G	U	0.0311	1.00	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Niobium-95	0.00987	0.0298	13967-76-5	PCI/G	U	0.0548	0.050	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Potassium-40	0.344	0.434	13966-00-2	PCI/G	U	0.356	1.00	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Promethium-144	-5.550E-05	0.0206		PCI/G	U	0.0347	0.080	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Promethium-146	0.00402	0.0242		PCI/G	U	0.0417	1.00	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Radium-226	0.00	0.0433	13982-63-3	PCI/G	UUI	0.0795	1.00	UUI
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Radium-228	0.103	0.128	15262-20-1	PCI/G	U	0.160	0.500	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Ruthenium-106	0.0296	0.191	13967-48-1	PCI/G	U	0.327	0.800	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Silver-110m	0.00441	0.0225		PCI/G	U	0.034	0.080	U

SEAD-48
Soil Sampling Results
SDG 86840
Seneca Army Depot Activity

Sample_No	Sample_Typ	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_C RQL	Validat or Qualifi
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Sodium-22	-0.00481	0.0183	13966-32-0	PCI/G	U	0.0319	0.080	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Thallium-208	0.00869	0.0463	14913-50-9	PCI/G	U	0.0454	0.080	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Thorium-230	0.00	0.0433	14269-63-7	PCI/G	UUI	0.0794	1.00	UUI
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Thorium-234	0.500	0.633	15065-10-8	PCI/G	U	0.686	2.00	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Tin-113	0.0148	0.0247	13966-06-8	PCI/G	U	0.0436	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Uranium-235	0.00241	0.164	15117-96-1	PCI/G	U	0.169	0.500	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Uranium-238	0.500	0.633	7440-61-1	PCI/G	U	0.533	1.00	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Yttrium-88	-0.00233	0.0233	13982-36-0	PCI/G	U	0.043	0.100	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Zinc-65	-0.0417	0.0511	13982-39-3	PCI/G	U	0.0689	0.300	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Zirconium-95	0.00967	0.0382	13967-71-0	PCI/G	U	0.070	0.200	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Thorium-232	0.0132	0.0596	7440-29-1	PCI/G	U	0.0471	0.500	U
MB	MB	09/28/03	09/28/03	09/28/03	09/28/03	Uranium-234	0.0675	0.0684	13966-29-5	PCI/G	U	0.122	1.00	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Actinium-228	0.0473	0.059	14331-83-0	PCI/G	U	0.108	0.800	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Americium-241	0.0479	0.0823	14596-10-2	PCI/G	U	0.143	0.200	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Antimony-124	-0.00184	0.0222	14683-10-4	PCI/G	U	0.0397	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Antimony-125	-0.00476	0.0417	14234-35-6	PCI/G	U	0.0708	0.200	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Barium-133	-0.000367	0.0214	13981-41-4	PCI/G	U	0.0366	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Barium-140	-0.0308	0.218	14798-08-4	PCI/G	U	0.399	0.500	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Beryllium-7	-0.121	0.180	13966-02-4	PCI/G	U	0.285	0.700	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Bismuth-212	0.0313	0.110	14913-49-6	PCI/G	U	0.210	0.500	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Bismuth-214	0.0324	0.0431	14733-03-0	PCI/G	U	0.0706	0.200	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Cerium-139	0.00601	0.0133		PCI/G	U	0.024	0.050	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Cerium-141	-0.00679	0.0333	13967-74-3	PCI/G	U	0.0585	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Cerium-144	-0.0314	0.0796	14762-78-8	PCI/G	U	0.139	0.500	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Cesium-134	-0.00186	0.0151	13967-70-9	PCI/G	U	0.0274	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Cesium-136	-0.0121	0.0927	14234-29-8	PCI/G	U	0.166	0.300	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Cesium-137	0.000292	0.0131	10045-97-3	PCI/G	U	0.0245	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Chromium-51	-0.0598	0.234	14392-02-0	PCI/G	U	0.398	0.600	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Cobalt-56	-0.0177	0.0166		PCI/G	U	0.0252	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Cobalt-57	0.00231	0.0107	13981-50-5	PCI/G	U	0.0194	0.050	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Cobalt-58	-0.00724	0.0179	13981-38-9	PCI/G	U	0.031	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Cobalt-60	-0.00255	0.0182	10198-40-0	PCI/G	U	0.0338	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Europium-152	0.00774	0.0419	14683-23-9	PCI/G	U	0.0738	0.200	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Europium-154	-0.0189	0.0505	15585-10-1	PCI/G	U	0.0905	0.500	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Europium-155	-0.0107	0.041	14391-16-3	PCI/G	U	0.0728	0.500	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Iridium-192	0.0165	0.0173	14694-69-0	PCI/G	U	0.0324	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Iron-59	-0.00232	0.0449	14596-12-4	PCI/G	U	0.0811	0.300	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Lead-210	0.311	5.01	14255-04-0	PCI/G	U	5.07	4.00	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator Qualifier
IGLOO 801-SB01; 0-0.5 ft	DUP	08/04/03	08/26/03	09/29/03	09/29/03	Zinc-65	EML HASL 300, 4.5.2.3	-0.00734	0.0867	13982-39-3	PCI/G U		0.133	0.300	U
IGLOO 801-SB01; 0-0.5 ft	DUP	08/04/03	08/26/03	09/29/03	09/29/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0401	0.0829	13967-71-0	PCI/G U		0.151	0.200	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Actinium-228	EML HASL 300, 4.5.2.3	1.36	0.385	14331-83-0	PCI/G		0.239	0.800	
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0245	0.150	14596-10-2	PCI/G U		0.243	0.200	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Antimony-124	EML HASL 300, 4.5.2.3	0.0662	0.0603	14683-10-4	PCI/G U		0.113	0.100	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Antimony-125	EML HASL 300, 4.5.2.3	0.011	0.0817	14234-35-6	PCI/G U		0.150	0.200	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0132	0.0411	13981-41-4	PCI/G U		0.0677	0.100	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Barium-140	EML HASL 300, 4.5.2.3	0.168	2.14	14798-08-4	PCI/G U		3.88	0.500	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Beryllium-7	EML HASL 300, 4.5.2.3	0.228	0.499	13966-02-4	PCI/G U		0.928	0.700	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.646	0.402	14913-49-6	PCI/G		0.456	0.500	
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.664	0.170	14733-03-0	PCI/G		0.118	0.200	
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cerium-139	EML HASL 300, 4.5.2.3	0.00989	0.030		PCI/G U		0.0533	0.050	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0134	0.130	13967-74-3	PCI/G U		0.228	0.100	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.113	0.189	14762-78-8	PCI/G U		0.322	0.500	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.0933	13967-70-9	PCI/G UUI		0.0958	0.100	UJ
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cesium-136	EML HASL 300, 4.5.2.3	0.122	0.903	14234-29-8	PCI/G U		1.68	0.300	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cesium-137	EML HASL 300, 4.5.2.3	0.345	0.0789	10045-97-3	PCI/G		0.0621	0.100	
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Chromium-51	EML HASL 300, 4.5.2.3	0.200	0.912	14392-02-0	PCI/G U		1.58	0.600	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cobalt-56	EML HASL 300, 4.5.2.3	-0.00856	0.0515		PCI/G U		0.0896	0.100	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.00514	0.0243	13981-50-5	PCI/G U		0.0424	0.050	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.00244	0.0536	13981-38-9	PCI/G U		0.0946	0.100	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.0185	0.0408	10198-40-0	PCI/G U		0.0705	0.100	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Europium-152	EML HASL 300, 4.5.2.3	0.0406	0.0824	14683-23-9	PCI/G U		0.146	0.200	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Europium-154	EML HASL 300, 4.5.2.3	0.214	0.260	15585-10-1	PCI/G U		0.258	0.500	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Europium-155	EML HASL 300, 4.5.2.3	0.0392	0.0934	14391-16-3	PCI/G U		0.169	0.500	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Iridium-192	EML HASL 300, 4.5.2.3	0.0136	0.045	14694-69-0	PCI/G U		0.0785	0.100	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Iron-59	EML HASL 300, 4.5.2.3	-0.00966	0.172	14596-12-4	PCI/G U		0.314	0.300	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Lead-210	EML HASL 300, 4.5.2.3	3.27	4.03	14255-04-0	PCI/G U		5.98	4.00	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Lead-212	EML HASL 300, 4.5.2.3	1.06	0.166	15092-94-1	PCI/G		0.119	0.100	
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Lead-214	EML HASL 300, 4.5.2.3	0.854	0.156	15067-28-4	PCI/G		0.105	0.100	
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Manganese-54	EML HASL 300, 4.5.2.3	0.0119	0.0532	13966-31-9	PCI/G U		0.0641	0.100	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Mercury-203	EML HASL 300, 4.5.2.3	0.024	0.0768	13982-78-0	PCI/G U		0.120	0.100	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Neodymium-147	EML HASL 300, 4.5.2.3	-2.16	6.45	14269-74-0	PCI/G U		11.3	1000	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.127	0.162	13968-59-7	PCI/G U		0.274	2.00	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Niobium-94	EML HASL 300, 4.5.2.3	-0.0127	0.0317	14681-63-1	PCI/G U		0.0539	1.00	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0937	0.134	13967-76-5	PCI/G U		0.179	0.050	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Potassium-40	EML HASL 300, 4.5.2.3	25.0	3.20	13966-00-2	PCI/G		0.566	1.00	
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Promethium-144	EML HASL 300, 4.5.2.3	0.00697	0.0357		PCI/G U		0.0643	0.080	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Promethium-146	EML HASL 300, 4.5.2.3	0.00627	0.0379		PCI/G U		0.0695	1.00	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Radium-226	EML HASL 300, 4.5.2.3	0.664	0.170	13982-63-3	PCI/G		0.118	1.00	
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Radium-228	EML HASL 300, 4.5.2.3	1.36	0.385	15262-20-1	PCI/G		0.239	0.500	
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Ruthenium-106	EML HASL 300, 4.5.2.3	-0.164	0.320	13967-48-1	PCI/G U		0.542	0.800	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.00538	0.0391		PCI/G U		0.0602	0.080	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Sodium-22	EML HASL 300, 4.5.2.3	0.00	0.0947	13966-32-0	PCI/G UUI		0.0773	0.080	UJ
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Thallium-208	EML HASL 300, 4.5.2.3	0.355	0.0832	14913-50-9	PCI/G		0.0696	0.080	
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Thorium-230	EML HASL 300, 4.5.2.3	0.664	0.170	14269-63-7	PCI/G		0.118	1.00	
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Thorium-232	EML HASL 300, 4.5.2.3	1.00	0.157	7440-29-1	PCI/G		0.113	0.500	
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Thorium-234	EML HASL 300, 4.5.2.3	0.280	1.67	15065-10-8	PCI/G U		1.98	2.00	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Tin-113	EML HASL 300, 4.5.2.3	0.00115	0.0617	13966-06-8	PCI/G U		0.0925	0.100	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Uranium-234	EML HASL 300, 4.5.2.3	0.911	0.225	13966-29-5	PCI/G		0.204	1.00	
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Uranium-235	EML HASL 300, 4.5.2.3	0.199	0.188	15117-96-1	PCI/G U		0.338	0.500	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Uranium-238	EML HASL 300, 4.5.2.3	0.280	1.67	7440-61-1	PCI/G	U	1.98	1.00	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Yttrium-88	EML HASL 300, 4.5.2.3	-0.0139	0.0464	13982-36-0	PCI/G	U	0.0826	0.100	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0199	0.112	13982-39-3	PCI/G	U	0.182	0.300	U
IGLOO 801-SB01; 0-0.5 ft	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.00863	0.093	13967-71-0	PCI/G	U	0.168	0.200	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Actinium-228	EML HASL 300, 4.5.2.3	1.04	0.270	14331-83-0	PCI/G	U	0.186	0.800	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0432	0.159	14596-10-2	PCI/G	U	0.246	0.200	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Antimony-124	EML HASL 300, 4.5.2.3	0.0312	0.0508	14683-10-4	PCI/G	U	0.095	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.0635	0.0826	14234-35-6	PCI/G	U	0.139	0.200	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Barium-133	EML HASL 300, 4.5.2.3	-0.271	0.0629	13981-41-4	PCI/G	U	0.0617	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Barium-140	EML HASL 300, 4.5.2.3	-0.563	2.05	14798-08-4	PCI/G	U	3.54	0.500	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Beryllium-7	EML HASL 300, 4.5.2.3	0.0862	0.439	13966-02-4	PCI/G	U	0.800	0.700	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.565	0.416	14913-49-6	PCI/G	U	0.505	0.500	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.838	0.170	14733-03-0	PCI/G	U	0.109	0.200	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cerium-139	EML HASL 300, 4.5.2.3	0.00436	0.0309		PCI/G	U	0.0531	0.050	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cerium-141	EML HASL 300, 4.5.2.3	0.00571	0.152	13967-74-3	PCI/G	U	0.219	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.0442	0.191	14762-78-8	PCI/G	U	0.323	0.500	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.054	13967-70-9	PCI/G	U	0.0852	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cesium-136	EML HASL 300, 4.5.2.3	0.504	0.857	14234-29-8	PCI/G	U	1.66	0.300	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cesium-137	EML HASL 300, 4.5.2.3	0.0367	0.0346	10045-97-3	PCI/G	U	0.0663	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.212	0.865	14392-02-0	PCI/G	U	1.42	0.600	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.0163	0.0496		PCI/G	U	0.0818	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.00204	0.0242	13981-50-5	PCI/G	U	0.0418	0.050	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cobalt-58	EML HASL 300, 4.5.2.3	0.0325	0.0522	13981-38-9	PCI/G	U	0.100	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.0125	0.030	10198-40-0	PCI/G	U	0.0529	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Europium-152	EML HASL 300, 4.5.2.3	0.0459	0.0846	14683-23-9	PCI/G	U	0.157	0.200	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Europium-154	EML HASL 300, 4.5.2.3	-0.0531	0.122	15585-10-1	PCI/G	U	0.210	0.500	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Europium-155	EML HASL 300, 4.5.2.3	0.126	0.090	14391-16-3	PCI/G	U	0.159	0.500	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Iridium-192	EML HASL 300, 4.5.2.3	-0.00182	0.0452	14694-69-0	PCI/G	U	0.0754	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Iron-59	EML HASL 300, 4.5.2.3	0.00268	0.155	14596-12-4	PCI/G	U	0.284	0.300	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Lead-210	EML HASL 300, 4.5.2.3	0.968	3.95	14255-04-0	PCI/G	U	6.38	4.00	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Lead-212	EML HASL 300, 4.5.2.3	1.12	0.157	15092-94-1	PCI/G	U	0.0886	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Lead-214	EML HASL 300, 4.5.2.3	0.770	0.140	15067-28-4	PCI/G	U	0.101	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Manganese-54	EML HASL 300, 4.5.2.3	0.0137	0.0361	13966-31-9	PCI/G	U	0.0658	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Mercury-203	EML HASL 300, 4.5.2.3	-0.0199	0.0693	13982-78-0	PCI/G	U	0.114	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Neodymium-147	EML HASL 300, 4.5.2.3	-0.259	6.24	14269-74-0	PCI/G	U	11.1	1000	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.151	0.159	13968-59-7	PCI/G	U	0.260	2.00	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Niobium-94	EML HASL 300, 4.5.2.3	-0.0186	0.0334	14681-63-1	PCI/G	U	0.0553	1.00	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Niobium-95	EML HASL 300, 4.5.2.3	-0.0383	0.114	13967-76-5	PCI/G	U	0.166	0.050	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Potassium-40	EML HASL 300, 4.5.2.3	21.5	2.57	13966-00-2	PCI/G	U	0.618	1.00	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Promethium-144	EML HASL 300, 4.5.2.3	0.0181	0.035		PCI/G	U	0.0641	0.080	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Promethium-146	EML HASL 300, 4.5.2.3	-0.00892	0.0444		PCI/G	U	0.0681	1.00	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Radium-226	EML HASL 300, 4.5.2.3	0.838	0.170	13982-63-3	PCI/G	U	0.109	1.00	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Radium-228	EML HASL 300, 4.5.2.3	1.04	0.270	15262-20-1	PCI/G	U	0.186	0.500	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.00575	0.318	13967-48-1	PCI/G	U	0.563	0.800	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.016	0.0395		PCI/G	U	0.0577	0.080	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.019	0.0446	13966-32-0	PCI/G	U	0.0769	0.080	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Thallium-208	EML HASL 300, 4.5.2.3	0.361	0.0787	14913-50-9	PCI/G	U	0.0687	0.080	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Thorium-230	EML HASL 300, 4.5.2.3	0.838	0.170	14269-63-7	PCI/G	U	0.109	1.00	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Thorium-232	EML HASL 300, 4.5.2.3	1.06	0.148	7440-29-1	PCI/G	U	0.0838	0.500	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Thorium-234	EML HASL 300, 4.5.2.3	1.40	1.64	15065-10-8	PCI/G	U	2.05	2.00	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Tin-113	EML HASL 300, 4.5.2.3	0.000409	0.0511	13966-06-8	PCI/G	U	0.0913	0.100	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator Qualifier
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Uranium-234	EML HASL 300, 4.5.2.3	0.934	0.262	13966-29-5	PCI/G		0.191	1.00	
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Uranium-235	EML HASL 300, 4.5.2.3	0.0095	0.254	15117-96-1	PCI/G	U	0.323	0.500	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Uranium-238	EML HASL 300, 4.5.2.3	1.40	1.64	7440-61-1	PCI/G	U	2.05	1.00	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.00397	0.0337	13982-36-0	PCI/G	U	0.0692	0.100	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0466	0.0971	13982-39-3	PCI/G	U	0.166	0.300	U
IGLOO 801-SB02; 0-0.5'-3	SAMPLE	08/04/03	08/26/03	08/27/03	09/28/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0277	0.099	13967-71-0	PCI/G	U	0.179	0.200	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Actinium-228	EML HASL 300, 4.5.2.3	1.01	0.313	14331-83-0	PCI/G		0.220	0.800	
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Americium-241	EML HASL 300, 4.5.2.3	-0.106	0.174	14596-10-2	PCI/G	U	0.276	0.200	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.028	0.049	14683-10-4	PCI/G	U	0.0833	0.100	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.00438	0.0747	14234-35-6	PCI/G	U	0.135	0.200	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Barium-133	EML HASL 300, 4.5.2.3	0.00315	0.0379	13981-41-4	PCI/G	U	0.0582	0.100	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Barium-140	EML HASL 300, 4.5.2.3	0.0314	1.69	14798-08-4	PCI/G	U	3.07	0.500	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.469	0.417	13966-02-4	PCI/G	U	0.682	0.700	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.348	0.421	14913-49-6	PCI/G	U	0.454	0.500	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.601	0.161	14733-03-0	PCI/G		0.103	0.200	
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cerium-139	EML HASL 300, 4.5.2.3	0.0111	0.028		PCI/G	U	0.050	0.050	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0145	0.124	13967-74-3	PCI/G	U	0.195	0.100	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.0201	0.171	14762-78-8	PCI/G	U	0.301	0.500	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.0685	13967-70-9	PCI/G	UUI	0.0745	0.100	UJ
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.408	0.936	14234-29-8	PCI/G	U	1.32	0.300	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cesium-137	EML HASL 300, 4.5.2.3	0.0766	0.0448	10045-97-3	PCI/G		0.0567	0.100	
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.581	0.793	14392-02-0	PCI/G	U	1.28	0.600	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.0632	0.0478		PCI/G	U	0.0856	0.100	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.00426	0.0213	13981-50-5	PCI/G	U	0.0375	0.050	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0128	0.0582	13981-38-9	PCI/G	U	0.0873	0.100	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.00298	0.0305	10198-40-0	PCI/G	U	0.0567	0.100	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Europium-152	EML HASL 300, 4.5.2.3	0.00673	0.0773	14683-23-9	PCI/G	U	0.133	0.200	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Europium-154	EML HASL 300, 4.5.2.3	0.109	0.110	15585-10-1	PCI/G	U	0.221	0.500	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Europium-155	EML HASL 300, 4.5.2.3	0.0624	0.0882	14391-16-3	PCI/G	U	0.162	0.500	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00564	0.0386	14694-69-0	PCI/G	U	0.067	0.100	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Iron-59	EML HASL 300, 4.5.2.3	-0.00962	0.145	14596-12-4	PCI/G	U	0.266	0.300	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Lead-210	EML HASL 300, 4.5.2.3	5.18	6.15	14255-04-0	PCI/G	U	10.8	4.00	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Lead-212	EML HASL 300, 4.5.2.3	1.07	0.148	15092-94-1	PCI/G		0.0805	0.100	
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Lead-214	EML HASL 300, 4.5.2.3	0.850	0.154	15067-28-4	PCI/G		0.0922	0.100	
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Manganese-54	EML HASL 300, 4.5.2.3	0.0466	0.0423	13966-31-9	PCI/G	U	0.0568	0.100	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Mercury-203	EML HASL 300, 4.5.2.3	0.00	0.070	13982-78-0	PCI/G	UUI	0.0933	0.100	UJ
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Neodymium-147	EML HASL 300, 4.5.2.3	2.56	5.61	14269-74-0	PCI/G	U	10.3	1000	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.0358	0.150	13968-59-7	PCI/G	U	0.264	2.00	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Niobium-94	EML HASL 300, 4.5.2.3	0.00893	0.0318	14681-63-1	PCI/G	U	0.0573	1.00	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Niobium-95	EML HASL 300, 4.5.2.3	-0.0288	0.108	13967-76-5	PCI/G	U	0.161	0.050	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Potassium-40	EML HASL 300, 4.5.2.3	26.4	3.05	13966-00-2	PCI/G		0.444	1.00	
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Promethium-144	EML HASL 300, 4.5.2.3	-0.0229	0.0322		PCI/G	U	0.0534	0.080	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Promethium-146	EML HASL 300, 4.5.2.3	-0.0142	0.0391		PCI/G	U	0.0603	1.00	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Radium-226	EML HASL 300, 4.5.2.3	0.601	0.161	13982-63-3	PCI/G		0.103	1.00	
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Radium-228	EML HASL 300, 4.5.2.3	1.01	0.313	15262-20-1	PCI/G		0.220	0.500	
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Ruthenium-106	EML HASL 300, 4.5.2.3	-0.283	0.280	13967-48-1	PCI/G	U	0.449	0.800	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.0141	0.0364		PCI/G	U	0.0542	0.080	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Sodium-22	EML HASL 300, 4.5.2.3	0.039	0.0401	13966-32-0	PCI/G	U	0.0805	0.080	U
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Thallium-208	EML HASL 300, 4.5.2.3	0.289	0.0737	14913-50-9	PCI/G		0.058	0.080	
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Thorium-230	EML HASL 300, 4.5.2.3	0.601	0.161	14269-63-7	PCI/G		0.103	1.00	
IGLOO 802-SB03; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Thorium-232	EML HASL 300, 4.5.2.3	1.01	0.141	7440-29-1	PCI/G		0.0763	0.500	

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.0536	0.118	13967-48-1	PCI/G	U	0.205	0.800	U
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Silver-110m	EML HASL 300, 4.5.2.3	0.0149	0.0145		PCI/G	U	0.023	0.080	U
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.0232	0.0164	13966-32-0	PCI/G	U	0.0261	0.080	U
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Thallium-208	EML HASL 300, 4.5.2.3	0.296	0.0444	14913-50-9	PCI/G		0.0214	0.080	
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Thorium-230	EML HASL 300, 4.5.2.3	0.704	0.101	14269-63-7	PCI/G		0.0399	1.00	
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Thorium-232	EML HASL 300, 4.5.2.3	0.957	0.108	7440-29-1	PCI/G		0.0301	0.500	
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Thorium-234	EML HASL 300, 4.5.2.3	1.28	0.922	15065-10-8	PCI/G		0.936	2.00	
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Tin-113	EML HASL 300, 4.5.2.3	-0.0142	0.0199	13966-06-8	PCI/G	U	0.0317	0.100	U
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Uranium-234	EML HASL 300, 4.5.2.3	0.750	0.119	13966-29-5	PCI/G		0.0762	1.00	
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Uranium-235	EML HASL 300, 4.5.2.3	0.0636	0.102	15117-96-1	PCI/G	U	0.121	0.500	U
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Uranium-238	EML HASL 300, 4.5.2.3	1.28	0.922	7440-61-1	PCI/G		0.936	1.00	
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.0101	0.0145	13982-36-0	PCI/G	U	0.0273	0.100	U
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0188	0.0411	13982-39-3	PCI/G	U	0.0641	0.300	U
IGLOO 803-SB06; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.0164	0.0446	13967-71-0	PCI/G	U	0.0647	0.200	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Actinium-228	EML HASL 300, 4.5.2.3	0.899	0.179	14331-83-0	PCI/G		0.101	0.800	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Americium-241	EML HASL 300, 4.5.2.3	0.0735	0.0792	14596-10-2	PCI/G	U	0.134	0.200	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.0221	0.0275	14683-10-4	PCI/G	U	0.0446	0.100	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.0115	0.0456	14234-35-6	PCI/G	U	0.0768	0.200	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Barium-133	EML HASL 300, 4.5.2.3	-0.011	0.0233	13981-41-4	PCI/G	U	0.0344	0.100	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Barium-140	EML HASL 300, 4.5.2.3	0.122	0.965	14798-08-4	PCI/G	U	1.63	0.500	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Beryllium-7	EML HASL 300, 4.5.2.3	0.0979	0.285	13966-02-4	PCI/G	U	0.428	0.700	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.401	0.209	14913-49-6	PCI/G		0.209	0.500	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Bismuth-214	EML HASL 300, 4.5.2.3	3.73	0.427	14733-03-0	PCI/G		0.0497	0.200	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Cerium-139	EML HASL 300, 4.5.2.3	0.00263	0.0217		PCI/G	U	0.0315	0.050	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Cerium-141	EML HASL 300, 4.5.2.3	0.106	0.0687	13967-74-3	PCI/G	U	0.120	0.100	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Cerium-144	EML HASL 300, 4.5.2.3	0.0693	0.116	14762-78-8	PCI/G	U	0.191	0.500	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.0279	13967-70-9	PCI/G	UUI	0.0373	0.100	UJ
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.453	0.386	14234-29-8	PCI/G	U	0.630	0.300	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Cesium-137	EML HASL 300, 4.5.2.3	0.249	0.0354	10045-97-3	PCI/G		0.0273	0.100	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.39	0.481	14392-02-0	PCI/G	U	0.807	0.600	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.0131	0.0267		PCI/G	U	0.0448	0.100	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.00098	0.0142	13981-50-5	PCI/G	U	0.0235	0.050	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0103	0.030	13981-38-9	PCI/G	U	0.0424	0.100	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.0132	0.0215	10198-40-0	PCI/G	U	0.0304	0.100	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Europium-152	EML HASL 300, 4.5.2.3	-0.0084	0.047	14683-23-9	PCI/G	U	0.080	0.200	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Europium-154	EML HASL 300, 4.5.2.3	0.0533	0.0561	15585-10-1	PCI/G	U	0.0991	0.500	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Europium-155	EML HASL 300, 4.5.2.3	0.00223	0.0541	14391-16-3	PCI/G	U	0.0896	0.500	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00656	0.0237	14694-69-0	PCI/G	U	0.0409	0.100	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Iron-59	EML HASL 300, 4.5.2.3	-0.0706	0.075	14596-12-4	PCI/G	U	0.123	0.300	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Lead-210	EML HASL 300, 4.5.2.3	3.30	2.59	14255-04-0	PCI/G	U	3.46	4.00	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Lead-212	EML HASL 300, 4.5.2.3	1.01	0.119	15092-94-1	PCI/G		0.0474	0.100	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Lead-214	EML HASL 300, 4.5.2.3	4.51	0.520	15067-28-4	PCI/G		0.0562	0.100	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.0118	0.0218	13966-31-9	PCI/G	U	0.0303	0.100	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Mercury-203	EML HASL 300, 4.5.2.3	0.00	0.0412	13982-78-0	PCI/G	UUI	0.0584	0.100	UJ
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Neodymium-147	EML HASL 300, 4.5.2.3	-2.37	3.03	14269-74-0	PCI/G	U	4.94	1000	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.0484	0.0958	13968-59-7	PCI/G	U	0.157	2.00	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Niobium-94	EML HASL 300, 4.5.2.3	0.0155	0.0175	14681-63-1	PCI/G	U	0.0269	1.00	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Niobium-95	EML HASL 300, 4.5.2.3	0.00	0.0573	13967-76-5	PCI/G	UUI	0.0894	0.050	UJ
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Potassium-40	EML HASL 300, 4.5.2.3	22.0	2.25	13966-00-2	PCI/G		0.268	1.00	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Promethium-144	EML HASL 300, 4.5.2.3	-0.0097	0.0169		PCI/G	U	0.0275	0.080	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Promethium-146	EML HASL 300, 4.5.2.3	0.0265	0.0214		PCI/G	U	0.037	1.00	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Radium-226	EML HASL 300, 4.5.2.3	3.73	0.427	13982-63-3	PCI/G		0.0497	1.00	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Radium-228	EML HASL 300, 4.5.2.3	0.899	0.179	15262-20-1	PCI/G		0.101	0.500	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.0223	0.149	13967-48-1	PCI/G	U	0.251	0.800	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.00235	0.0194		PCI/G	U	0.0282	0.080	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Sodium-22	EML HASL 300, 4.5.2.3	0.0193	0.0204	13966-32-0	PCI/G	U	0.0362	0.080	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Thallium-208	EML HASL 300, 4.5.2.3	0.261	0.044	14913-50-9	PCI/G		0.0302	0.080	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Thorium-230	EML HASL 300, 4.5.2.3	3.73	0.427	14269-63-7	PCI/G		0.0497	1.00	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Thorium-232	EML HASL 300, 4.5.2.3	0.955	0.113	7440-29-1	PCI/G		0.045	0.500	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Thorium-234	EML HASL 300, 4.5.2.3	2.47	1.13	15065-10-8	PCI/G		1.06	2.00	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Tin-113	EML HASL 300, 4.5.2.3	-0.00731	0.0278	13966-06-8	PCI/G	U	0.047	0.100	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Uranium-234	EML HASL 300, 4.5.2.3	4.44	0.540	13966-29-5	PCI/G		0.112	1.00	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Uranium-235	EML HASL 300, 4.5.2.3	0.292	0.166	15117-96-1	PCI/G		0.192	0.500	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Uranium-238	EML HASL 300, 4.5.2.3	2.47	1.13	7440-61-1	PCI/G		1.06	1.00	
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Yttrium-88	EML HASL 300, 4.5.2.3	-0.0133	0.0193	13982-36-0	PCI/G	U	0.0312	0.100	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Zinc-65	EML HASL 300, 4.5.2.3	-0.0402	0.0512	13982-39-3	PCI/G	U	0.0727	0.300	U
IGLOO 804-SB07; 0-0.5 ft	SAMPLE	08/06/03	08/26/03	08/27/03	09/28/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.0104	0.0491	13967-71-0	PCI/G	U	0.0807	0.200	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Actinium-228	EML HASL 300, 4.5.2.3	0.645	0.137	14331-83-0	PCI/G		0.0639	0.800	
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0558	0.0765	14596-10-2	PCI/G	U	0.111	0.200	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.00685	0.0189	14683-10-4	PCI/G	U	0.032	0.100	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Antimony-125	EML HASL 300, 4.5.2.3	0.00902	0.0295	14234-35-6	PCI/G	U	0.049	0.200	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Barium-133	EML HASL 300, 4.5.2.3	0.000588	0.0149	13981-41-4	PCI/G	U	0.0217	0.100	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Barium-140	EML HASL 300, 4.5.2.3	0.0498	0.627	14798-08-4	PCI/G	U	1.08	0.500	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.0408	0.154	13966-02-4	PCI/G	U	0.266	0.700	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.501	0.175	14913-49-6	PCI/G		0.139	0.500	
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Bismuth-214	EML HASL 300, 4.5.2.3	1.11	0.138	14733-03-0	PCI/G		0.0346	0.200	
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cerium-139	EML HASL 300, 4.5.2.3	0.00649	0.0135		PCI/G	U	0.0207	0.050	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0364	0.0607	13967-74-3	PCI/G	U	0.0822	0.100	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.047	0.077	14762-78-8	PCI/G	U	0.132	0.500	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.0226	13967-70-9	PCI/G	UUI	0.0238	0.100	UJ
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cesium-136	EML HASL 300, 4.5.2.3	0.00345	0.264	14234-29-8	PCI/G	U	0.438	0.300	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cesium-137	EML HASL 300, 4.5.2.3	0.0932	0.0205	10045-97-3	PCI/G		0.0178	0.100	
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Chromium-51	EML HASL 300, 4.5.2.3	0.105	0.354	14392-02-0	PCI/G	U	0.525	0.600	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cobalt-56	EML HASL 300, 4.5.2.3	-0.00238	0.0166		PCI/G	U	0.0278	0.100	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.00201	0.00941	13981-50-5	PCI/G	U	0.0164	0.050	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0195	0.0171	13981-38-9	PCI/G	U	0.0273	0.100	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.00117	0.0105	10198-40-0	PCI/G	U	0.018	0.100	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Europium-152	EML HASL 300, 4.5.2.3	-0.00651	0.0306	14683-23-9	PCI/G	U	0.0508	0.200	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Europium-154	EML HASL 300, 4.5.2.3	-0.0207	0.0347	15585-10-1	PCI/G	U	0.058	0.500	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Europium-155	EML HASL 300, 4.5.2.3	-0.0141	0.0373	14391-16-3	PCI/G	U	0.0649	0.500	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00811	0.0158	14694-69-0	PCI/G	U	0.0268	0.100	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Iron-59	EML HASL 300, 4.5.2.3	-0.0531	0.0507	14596-12-4	PCI/G	U	0.0796	0.300	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Lead-210	EML HASL 300, 4.5.2.3	-0.0466	2.29	14255-04-0	PCI/G	U	3.43	4.00	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Lead-212	EML HASL 300, 4.5.2.3	0.777	0.0907	15092-94-1	PCI/G		0.0305	0.100	
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Lead-214	EML HASL 300, 4.5.2.3	1.35	0.160	15067-28-4	PCI/G		0.0355	0.100	
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.0054	0.0122	13966-31-9	PCI/G	U	0.0202	0.100	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Mercury-203	EML HASL 300, 4.5.2.3	0.019	0.0235	13982-78-0	PCI/G	U	0.0401	0.100	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Neodymium-147	EML HASL 300, 4.5.2.3	-0.379	1.93	14269-74-0	PCI/G	U	3.31	1000	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.0292	0.064	13968-59-7	PCI/G	U	0.111	2.00	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Niobium-94	EML HASL 300, 4.5.2.3	0.00437	0.00966	14681-63-1	PCI/G	U	0.0166	1.00	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0215	0.0819	13967-76-5	PCI/G	U	0.0472	0.050	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Potassium-40	EML HASL 300, 4.5.2.3	16.3	1.66	13966-00-2	PCI/G		0.168	1.00	

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Promethium-144	EML HASL 300, 4.5.2.3	0.00427	0.0107		PCI/G	U	0.0184	0.080	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Promethium-146	EML HASL 300, 4.5.2.3	0.00931	0.0135		PCI/G	U	0.0226	1.00	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Radium-226	EML HASL 300, 4.5.2.3	1.11	0.138	13982-63-3	PCI/G		0.0346	1.00	
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Radium-228	EML HASL 300, 4.5.2.3	0.645	0.137	15262-20-1	PCI/G		0.0639	0.500	
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.00823	0.098	13967-48-1	PCI/G	U	0.168	0.800	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Silver-110m	EML HASL 300, 4.5.2.3	0.0144	0.0122		PCI/G	U	0.019	0.080	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.00748	0.0127	13966-32-0	PCI/G	U	0.0212	0.080	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Thallium-208	EML HASL 300, 4.5.2.3	0.223	0.0318	14913-50-9	PCI/G		0.018	0.080	
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Thorium-230	EML HASL 300, 4.5.2.3	1.11	0.138	14269-63-7	PCI/G		0.0346	1.00	
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Thorium-232	EML HASL 300, 4.5.2.3	0.735	0.0859	7440-29-1	PCI/G		0.0289	0.500	
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Thorium-234	EML HASL 300, 4.5.2.3	0.839	0.938	15065-10-8	PCI/G	U	0.883	2.00	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Tin-113	EML HASL 300, 4.5.2.3	0.0104	0.0179	13966-06-8	PCI/G	U	0.030	0.100	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Uranium-234	EML HASL 300, 4.5.2.3	1.40	0.185	13966-29-5	PCI/G		0.0735	1.00	
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Uranium-235	EML HASL 300, 4.5.2.3	0.143	0.156	15117-96-1	PCI/G		0.129	0.500	
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Uranium-238	EML HASL 300, 4.5.2.3	0.839	0.938	7440-61-1	PCI/G	U	0.883	1.00	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Yttrium-88	EML HASL 300, 4.5.2.3	-0.00124	0.0115	13982-36-0	PCI/G	U	0.0196	0.100	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0019	0.0319	13982-39-3	PCI/G	U	0.0478	0.300	U
IGLOO 804-SB08; 0-0.5 ft	SAMPLE	08/05/03	08/26/03	08/27/03	09/28/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0457	0.0399	13967-71-0	PCI/G	U	0.0564	0.200	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Actinium-228	EML HASL 300, 4.5.2.3	1.07	0.229	14331-83-0	PCI/G		0.177	0.800	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Americium-241	EML HASL 300, 4.5.2.3	0.0274	0.0606	14596-10-2	PCI/G	U	0.0875	0.200	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.0333	0.0445	14683-10-4	PCI/G	U	0.0701	0.100	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.0219	0.0716	14234-35-6	PCI/G	U	0.117	0.200	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0208	0.0351	13981-41-4	PCI/G	U	0.0495	0.100	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Barium-140	EML HASL 300, 4.5.2.3	0.286	1.16	14798-08-4	PCI/G	U	1.93	0.500	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Beryllium-7	EML HASL 300, 4.5.2.3	0.073	0.371	13966-02-4	PCI/G	U	0.616	0.700	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.681	0.389	14913-49-6	PCI/G		0.403	0.500	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.732	0.142	14733-03-0	PCI/G		0.0834	0.200	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.0101	0.024		PCI/G	U	0.0372	0.050	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cerium-141	EML HASL 300, 4.5.2.3	0.134	0.0873	13967-74-3	PCI/G	U	0.141	0.100	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.0204	0.151	14762-78-8	PCI/G	U	0.237	0.500	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cesium-134	EML HASL 300, 4.5.2.3	0.0133	0.0461	13967-70-9	PCI/G	U	0.0559	0.100	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.274	0.446	14234-29-8	PCI/G	U	0.732	0.300	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cesium-137	EML HASL 300, 4.5.2.3	0.0233	0.0647	10045-97-3	PCI/G	U	0.049	0.100	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Chromium-51	EML HASL 300, 4.5.2.3	0.338	0.595	14392-02-0	PCI/G	U	1.00	0.600	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cobalt-56	EML HASL 300, 4.5.2.3	-0.0054	0.0409		PCI/G	U	0.0696	0.100	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.000952	0.020	13981-50-5	PCI/G	U	0.0281	0.050	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0325	0.0383	13981-38-9	PCI/G	U	0.0628	0.100	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cobalt-60	EML HASL 300, 4.5.2.3	0.00425	0.0311	10198-40-0	PCI/G	U	0.0532	0.100	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Europium-152	EML HASL 300, 4.5.2.3	0.0335	0.0683	14683-23-9	PCI/G	U	0.115	0.200	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Europium-154	EML HASL 300, 4.5.2.3	-0.00992	0.109	15585-10-1	PCI/G	U	0.158	0.500	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Europium-155	EML HASL 300, 4.5.2.3	0.00	0.077	14391-16-3	PCI/G	UUI	0.105	0.500	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Iridium-192	EML HASL 300, 4.5.2.3	-0.00337	0.0324	14694-69-0	PCI/G	U	0.0537	0.100	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Iron-59	EML HASL 300, 4.5.2.3	-0.0965	0.118	14596-12-4	PCI/G	U	0.191	0.300	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Lead-210	EML HASL 300, 4.5.2.3	0.140	0.956	14255-04-0	PCI/G	U	0.978	4.00	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Lead-212	EML HASL 300, 4.5.2.3	1.12	0.144	15092-94-1	PCI/G		0.0624	0.100	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Lead-214	EML HASL 300, 4.5.2.3	0.768	0.130	15067-28-4	PCI/G		0.0799	0.100	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.00357	0.030	13966-31-9	PCI/G	U	0.0511	0.100	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Mercury-203	EML HASL 300, 4.5.2.3	0.0506	0.0605	13982-78-0	PCI/G	U	0.073	0.100	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Neodymium-147	EML HASL 300, 4.5.2.3	2.75	2.61	14269-74-0	PCI/G	U	5.50	1000	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.00165	0.127	13968-59-7	PCI/G	U	0.201	2.00	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Niobium-94	EML HASL 300, 4.5.2.3	-0.00707	0.028	14681-63-1	PCI/G	U	0.045	1.00	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator	Qualifier
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0192	0.081	13967-76-5	PCI/G	U	0.123	0.050	U	
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Potassium-40	EML HASL 300, 4.5.2.3	25.3	2.57	13966-00-2	PCI/G		0.473	1.00		
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Promethium-144	EML HASL 300, 4.5.2.3	0.0211	0.0297		PCI/G	U	0.0498	0.080	U	
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Promethium-146	EML HASL 300, 4.5.2.3	0.00803	0.0326		PCI/G	U	0.0542	1.00	U	
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Radium-226	EML HASL 300, 4.5.2.3	0.732	0.142	13982-63-3	PCI/G		0.0834	1.00		
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Radium-228	EML HASL 300, 4.5.2.3	1.07	0.229	15262-20-1	PCI/G		0.177	0.500		
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.0759	0.257	13967-48-1	PCI/G	U	0.427	0.800	U	
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Silver-110m	EML HASL 300, 4.5.2.3	0.0125	0.032		PCI/G	U	0.0469	0.080	U	
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.00374	0.0396	13966-32-0	PCI/G	U	0.0574	0.080	U	
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Thallium-208	EML HASL 300, 4.5.2.3	0.375	0.0767	14913-50-9	PCI/G		0.0451	0.080		
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Thorium-230	EML HASL 300, 4.5.2.3	0.732	0.142	14269-63-7	PCI/G		0.0834	1.00		
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Thorium-232	EML HASL 300, 4.5.2.3	1.07	0.137	7440-29-1	PCI/G		0.0595	0.500		
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Thorium-234	EML HASL 300, 4.5.2.3	1.35	0.929	15065-10-8	PCI/G		0.794	2.00		
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Tin-113	EML HASL 300, 4.5.2.3	-0.0148	0.0379	13966-06-8	PCI/G	U	0.062	0.100	U	
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Uranium-234	EML HASL 300, 4.5.2.3	0.841	0.177	13966-29-5	PCI/G		0.150	1.00		
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Uranium-235	EML HASL 300, 4.5.2.3	0.071	0.146	15117-96-1	PCI/G	U	0.231	0.500	U	
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Uranium-238	EML HASL 300, 4.5.2.3	1.35	0.929	7440-61-1	PCI/G		0.794	1.00		
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.0229	0.0355	13982-36-0	PCI/G	U	0.0672	0.100	U	
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Zinc-65	EML HASL 300, 4.5.2.3	-0.0167	0.0884	13982-39-3	PCI/G	U	0.128	0.300	U	
IGLOO 804-SB09; 0.5-2 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.0121	0.077	13967-71-0	PCI/G	U	0.131	0.200	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Actinium-228	EML HASL 300, 4.5.2.3	1.04	0.195	14331-83-0	PCI/G		0.102	0.800		
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Americium-241	EML HASL 300, 4.5.2.3	0.00257	0.0613	14596-10-2	PCI/G	U	0.101	0.200	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.0321	0.0259	14683-10-4	PCI/G	U	0.042	0.100	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Antimony-125	EML HASL 300, 4.5.2.3	0.0701	0.0518	14234-35-6	PCI/G	U	0.0742	0.200	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Barium-133	EML HASL 300, 4.5.2.3	0.00347	0.0215	13981-41-4	PCI/G	U	0.0312	0.100	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Barium-140	EML HASL 300, 4.5.2.3	0.815	0.792	14798-08-4	PCI/G	U	1.09	0.500	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.0533	0.253	13966-02-4	PCI/G	U	0.355	0.700	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.605	0.195	14913-49-6	PCI/G		0.208	0.500		
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Bismuth-214	EML HASL 300, 4.5.2.3	4.14	0.481	14733-03-0	PCI/G		0.0486	0.200		
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.00392	0.0181		PCI/G	U	0.0286	0.050	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cerium-141	EML HASL 300, 4.5.2.3	0.00	0.0918	13967-74-3	PCI/G	UUI	0.107	0.100	UJ	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cerium-144	EML HASL 300, 4.5.2.3	0.0167	0.122	14762-78-8	PCI/G	U	0.175	0.500	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.0272	13967-70-9	PCI/G	UUI	0.0327	0.100	UJ	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.112	0.276	14234-29-8	PCI/G	U	0.443	0.300	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cesium-137	EML HASL 300, 4.5.2.3	0.122	0.0275	10045-97-3	PCI/G		0.027	0.100		
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.0456	0.450	14392-02-0	PCI/G	U	0.653	0.600	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cobalt-56	EML HASL 300, 4.5.2.3	-0.00451	0.0238		PCI/G	U	0.0391	0.100	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.0141	0.0136	13981-50-5	PCI/G	U	0.0223	0.050	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cobalt-58	EML HASL 300, 4.5.2.3	0.0157	0.0263	13981-38-9	PCI/G	U	0.0388	0.100	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.00753	0.0177	10198-40-0	PCI/G	U	0.0294	0.100	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Europium-152	EML HASL 300, 4.5.2.3	-0.00829	0.0451	14683-23-9	PCI/G	U	0.0739	0.200	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Europium-154	EML HASL 300, 4.5.2.3	-0.0198	0.0536	15585-10-1	PCI/G	U	0.089	0.500	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Europium-155	EML HASL 300, 4.5.2.3	0.0353	0.0389	14391-16-3	PCI/G	U	0.0822	0.500	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Iridium-192	EML HASL 300, 4.5.2.3	-0.00506	0.0219	14694-69-0	PCI/G	U	0.0361	0.100	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Iron-59	EML HASL 300, 4.5.2.3	0.0316	0.0693	14596-12-4	PCI/G	U	0.114	0.300	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Lead-210	EML HASL 300, 4.5.2.3	3.75	2.09	14255-04-0	PCI/G		2.03	4.00		
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Lead-212	EML HASL 300, 4.5.2.3	0.968	0.107	15092-94-1	PCI/G		0.0534	0.100		
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Lead-214	EML HASL 300, 4.5.2.3	4.97	0.531	15067-28-4	PCI/G		0.0513	0.100		
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Manganese-54	EML HASL 300, 4.5.2.3	0.00686	0.025	13966-31-9	PCI/G	U	0.0314	0.100	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Mercury-203	EML HASL 300, 4.5.2.3	0.0262	0.0354	13982-78-0	PCI/G	U	0.0527	0.100	U	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Neodymium-147	EML HASL 300, 4.5.2.3	1.12	2.23	14269-74-0	PCI/G	U	3.19	1000	U	

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.061	0.0943	13968-59-7	PCI/G	U	0.150	2.00	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Niobium-94	EML HASL 300, 4.5.2.3	0.0247	0.0195	14681-63-1	PCI/G	U	0.0259	1.00	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Niobium-95	EML HASL 300, 4.5.2.3	0.00	0.0601	13967-76-5	PCI/G	UUI	0.0855	0.050	UJ
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Potassium-40	EML HASL 300, 4.5.2.3	24.5	1.87	13966-00-2	PCI/G		0.261	1.00	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Promethium-144	EML HASL 300, 4.5.2.3	0.0147	0.0158		PCI/G	U	0.0269	0.080	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Promethium-146	EML HASL 300, 4.5.2.3	0.0282	0.0208		PCI/G	U	0.0346	1.00	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Radium-226	EML HASL 300, 4.5.2.3	4.14	0.481	13982-63-3	PCI/G		0.0486	1.00	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Radium-228	EML HASL 300, 4.5.2.3	1.04	0.195	15262-20-1	PCI/G		0.102	0.500	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Ruthenium-106	EML HASL 300, 4.5.2.3	-0.0419	0.141	13967-48-1	PCI/G	U	0.236	0.800	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Silver-110m	EML HASL 300, 4.5.2.3	0.0177	0.0185		PCI/G	U	0.0267	0.080	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.00733	0.0195	13966-32-0	PCI/G	U	0.0324	0.080	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Thallium-208	EML HASL 300, 4.5.2.3	0.316	0.0426	14913-50-9	PCI/G		0.026	0.080	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Thorium-230	EML HASL 300, 4.5.2.3	4.14	0.481	14269-63-7	PCI/G		0.0486	1.00	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Thorium-232	EML HASL 300, 4.5.2.3	0.922	0.102	7440-29-1	PCI/G		0.0509	0.500	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Thorium-234	EML HASL 300, 4.5.2.3	0.997	0.844	15065-10-8	PCI/G		0.878	2.00	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Tin-113	EML HASL 300, 4.5.2.3	0.0163	0.0285	13966-06-8	PCI/G	U	0.0416	0.100	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Uranium-234	EML HASL 300, 4.5.2.3	4.78	0.593	13966-29-5	PCI/G		0.105	1.00	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Uranium-235	EML HASL 300, 4.5.2.3	0.281	0.158	15117-96-1	PCI/G		0.170	0.500	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Uranium-238	EML HASL 300, 4.5.2.3	0.997	0.844	7440-61-1	PCI/G		0.878	1.00	
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.0312	0.0189	13982-36-0	PCI/G	U	0.0356	0.100	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0091	0.0507	13982-39-3	PCI/G	U	0.0747	0.300	U
IGLOO 804-SB09; 0-0.5 ft	SAMPLE	08/12/03	08/26/03	08/27/03	09/28/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0111	0.0434	13967-71-0	PCI/G	U	0.0728	0.200	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Actinium-228	EML HASL 300, 4.5.2.3	0.774	0.258	14331-83-0	PCI/G		0.172	0.800	
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Americium-241	EML HASL 300, 4.5.2.3	0.0655	0.105	14596-10-2	PCI/G	U	0.172	0.200	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.0227	0.0414	14683-10-4	PCI/G	U	0.069	0.100	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Antimony-125	EML HASL 300, 4.5.2.3	0.0162	0.067	14234-35-6	PCI/G	U	0.120	0.200	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0066	0.0317	13981-41-4	PCI/G	U	0.0458	0.100	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Barium-140	EML HASL 300, 4.5.2.3	0.716	0.949	14798-08-4	PCI/G	U	1.95	0.500	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.135	0.353	13966-02-4	PCI/G	U	0.605	0.700	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.543	0.407	14913-49-6	PCI/G		0.369	0.500	
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.630	0.133	14733-03-0	PCI/G		0.0851	0.200	
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.0145	0.0228		PCI/G	U	0.0376	0.050	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0813	0.0803	13967-74-3	PCI/G	U	0.142	0.100	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.095	0.141	14762-78-8	PCI/G	U	0.232	0.500	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cesium-134	EML HASL 300, 4.5.2.3	0.0311	0.0427	13967-70-9	PCI/G	U	0.0576	0.100	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cesium-136	EML HASL 300, 4.5.2.3	0.193	0.485	14234-29-8	PCI/G	U	0.809	0.300	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cesium-137	EML HASL 300, 4.5.2.3	0.0856	0.0347	10045-97-3	PCI/G		0.0407	0.100	
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Chromium-51	EML HASL 300, 4.5.2.3	0.0203	0.594	14392-02-0	PCI/G	U	0.989	0.600	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.0397	0.0396		PCI/G	U	0.0683	0.100	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.00546	0.0174	13981-50-5	PCI/G	U	0.0304	0.050	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.00235	0.0406	13981-38-9	PCI/G	U	0.0698	0.100	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-60	EML HASL 300, 4.5.2.3	0.0014	0.0325	10198-40-0	PCI/G	U	0.0586	0.100	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Europium-152	EML HASL 300, 4.5.2.3	0.00621	0.0676	14683-23-9	PCI/G	U	0.113	0.200	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Europium-154	EML HASL 300, 4.5.2.3	0.0104	0.0919	15585-10-1	PCI/G	U	0.166	0.500	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Europium-155	EML HASL 300, 4.5.2.3	0.122	0.0702	14391-16-3	PCI/G	U	0.128	0.500	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00974	0.033	14694-69-0	PCI/G	U	0.0559	0.100	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Iron-59	EML HASL 300, 4.5.2.3	-0.0564	0.104	14596-12-4	PCI/G	U	0.179	0.300	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Lead-210	EML HASL 300, 4.5.2.3	0.738	3.13	14255-04-0	PCI/G	U	4.53	4.00	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Lead-212	EML HASL 300, 4.5.2.3	0.812	0.114	15092-94-1	PCI/G		0.0759	0.100	
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Lead-214	EML HASL 300, 4.5.2.3	0.761	0.135	15067-28-4	PCI/G		0.0804	0.100	
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.00875	0.031	13966-31-9	PCI/G	U	0.045	0.100	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Mercury-203	EML HASL 300, 4.5.2.3	0.00586	0.0473	13982-78-0	PCI/G	U	0.0792	0.100	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Neodymium-147	EML HASL 300, 4.5.2.3	-0.472	3.07	14269-74-0	PCI/G	U	5.34	1000	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.0904	0.122	13968-59-7	PCI/G	U	0.215	2.00	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Niobium-94	EML HASL 300, 4.5.2.3	0.00504	0.0247	14681-63-1	PCI/G	U	0.0434	1.00	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0103	0.0733	13967-76-5	PCI/G	U	0.113	0.050	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Potassium-40	EML HASL 300, 4.5.2.3	19.2	2.44	13966-00-2	PCI/G	U	0.515	1.00	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Promethium-144	EML HASL 300, 4.5.2.3	-0.0142	0.0249		PCI/G	U	0.0411	0.080	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Promethium-146	EML HASL 300, 4.5.2.3	0.0139	0.0284		PCI/G	U	0.0519	1.00	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Radium-226	EML HASL 300, 4.5.2.3	0.630	0.133	13982-63-3	PCI/G	U	0.0851	1.00	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Radium-228	EML HASL 300, 4.5.2.3	0.774	0.258	15262-20-1	PCI/G	U	0.172	0.500	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.0205	0.232	13967-48-1	PCI/G	U	0.409	0.800	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.00573	0.0282		PCI/G	U	0.0423	0.080	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Sodium-22	EML HASL 300, 4.5.2.3	0.0037	0.0334	13966-32-0	PCI/G	U	0.0605	0.080	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thallium-208	EML HASL 300, 4.5.2.3	0.274	0.0568	14913-50-9	PCI/G	U	0.0436	0.080	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thorium-230	EML HASL 300, 4.5.2.3	0.630	0.133	14269-63-7	PCI/G	U	0.0851	1.00	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thorium-232	EML HASL 300, 4.5.2.3	0.774	0.109	7440-29-1	PCI/G	U	0.0723	0.500	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thorium-234	EML HASL 300, 4.5.2.3	1.01	1.26	15065-10-8	PCI/G	U	1.40	2.00	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Tin-113	EML HASL 300, 4.5.2.3	-0.00832	0.0399	13966-06-8	PCI/G	U	0.0648	0.100	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Uranium-234	EML HASL 300, 4.5.2.3	0.764	0.187	13966-29-5	PCI/G	U	0.157	1.00	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Uranium-235	EML HASL 300, 4.5.2.3	-0.0894	0.138	15117-96-1	PCI/G	U	0.227	0.500	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Uranium-238	EML HASL 300, 4.5.2.3	1.01	1.26	7440-61-1	PCI/G	U	1.40	1.00	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.00516	0.0302	13982-36-0	PCI/G	U	0.0587	0.100	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0269	0.0834	13982-39-3	PCI/G	U	0.135	0.300	U
IGLOO 804-SB10; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.0113	0.0708	13967-71-0	PCI/G	U	0.121	0.200	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Actinium-228	EML HASL 300, 4.5.2.3	0.891	0.231	14331-83-0	PCI/G	U	0.196	0.800	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0759	0.141	14596-10-2	PCI/G	U	0.209	0.200	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Antimony-124	EML HASL 300, 4.5.2.3	0.0209	0.0479	14683-10-4	PCI/G	U	0.0752	0.100	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.0257	0.0806	14234-35-6	PCI/G	U	0.120	0.200	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0149	0.0345	13981-41-4	PCI/G	U	0.0514	0.100	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Barium-140	EML HASL 300, 4.5.2.3	0.300	1.21	14798-08-4	PCI/G	U	2.12	0.500	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.205	0.390	13966-02-4	PCI/G	U	0.652	0.700	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Bismuth-212	EML HASL 300, 4.5.2.3	1.10	0.435	14913-49-6	PCI/G	U	0.357	0.500	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Bismuth-214	EML HASL 300, 4.5.2.3	1.17	0.206	14733-03-0	PCI/G	U	0.0873	0.200	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.00543	0.0269		PCI/G	U	0.0441	0.050	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0391	0.0983	13967-74-3	PCI/G	U	0.165	0.100	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.0753	0.169	14762-78-8	PCI/G	U	0.276	0.500	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cesium-134	EML HASL 300, 4.5.2.3	0.0238	0.058	13967-70-9	PCI/G	U	0.0677	0.100	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.144	0.521	14234-29-8	PCI/G	U	0.786	0.300	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cesium-137	EML HASL 300, 4.5.2.3	0.0368	0.0245	10045-97-3	PCI/G	U	0.0561	0.100	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.388	0.679	14392-02-0	PCI/G	U	1.06	0.600	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-56	EML HASL 300, 4.5.2.3	-0.0131	0.0388		PCI/G	U	0.0643	0.100	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.00272	0.0206	13981-50-5	PCI/G	U	0.0345	0.050	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0567	0.0444	13981-38-9	PCI/G	U	0.0664	0.100	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-60	EML HASL 300, 4.5.2.3	0.0346	0.0296	10198-40-0	PCI/G	U	0.0591	0.100	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Europium-152	EML HASL 300, 4.5.2.3	-0.0864	0.070	14683-23-9	PCI/G	U	0.114	0.200	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Europium-154	EML HASL 300, 4.5.2.3	0.0171	0.0969	15585-10-1	PCI/G	U	0.174	0.500	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Europium-155	EML HASL 300, 4.5.2.3	0.00	0.121	14391-16-3	PCI/G	U	0.133	0.500	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Iridium-192	EML HASL 300, 4.5.2.3	0.0192	0.0375	14694-69-0	PCI/G	U	0.0627	0.100	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Iron-59	EML HASL 300, 4.5.2.3	0.0454	0.119	14596-12-4	PCI/G	U	0.218	0.300	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Lead-210	EML HASL 300, 4.5.2.3	0.749	3.46	14255-04-0	PCI/G	U	5.36	4.00	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Lead-212	EML HASL 300, 4.5.2.3	0.948	0.131	15092-94-1	PCI/G	U	0.0821	0.100	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Lead-214	EML HASL 300, 4.5.2.3	1.27	0.190	15067-28-4	PCI/G		0.0834	0.100	
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Manganese-54	EML HASL 300, 4.5.2.3	0.00	0.075	13966-31-9	PCI/G	UUI	0.0469	0.100	UJ
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Mercury-203	EML HASL 300, 4.5.2.3	0.0314	0.0561	13982-78-0	PCI/G	U	0.0845	0.100	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Neodymium-147	EML HASL 300, 4.5.2.3	-0.792	3.88	14269-74-0	PCI/G	U	5.78	1000	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.0296	0.140	13968-59-7	PCI/G	U	0.236	2.00	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Niobium-94	EML HASL 300, 4.5.2.3	0.0139	0.0249	14681-63-1	PCI/G	U	0.0444	1.00	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Niobium-95	EML HASL 300, 4.5.2.3	0.048	0.081	13967-76-5	PCI/G	U	0.128	0.050	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Potassium-40	EML HASL 300, 4.5.2.3	20.5	2.30	13966-00-2	PCI/G		0.544	1.00	
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Promethium-144	EML HASL 300, 4.5.2.3	0.00445	0.0277		PCI/G	U	0.048	0.080	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Promethium-146	EML HASL 300, 4.5.2.3	0.014	0.0344		PCI/G	U	0.061	1.00	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Radium-226	EML HASL 300, 4.5.2.3	1.17	0.206	13982-63-3	PCI/G		0.0873	1.00	
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Radium-228	EML HASL 300, 4.5.2.3	0.891	0.231	15262-20-1	PCI/G		0.196	0.500	
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.232	0.291	13967-48-1	PCI/G	U	0.471	0.800	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Silver-110m	EML HASL 300, 4.5.2.3	0.019	0.0173		PCI/G	U	0.0515	0.080	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Sodium-22	EML HASL 300, 4.5.2.3	0.00586	0.0352	13966-32-0	PCI/G	U	0.0633	0.080	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thallium-208	EML HASL 300, 4.5.2.3	0.310	0.0723	14913-50-9	PCI/G		0.0536	0.080	
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thorium-230	EML HASL 300, 4.5.2.3	1.17	0.206	14269-63-7	PCI/G		0.0873	1.00	
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thorium-232	EML HASL 300, 4.5.2.3	0.904	0.125	7440-29-1	PCI/G		0.0782	0.500	
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thorium-234	EML HASL 300, 4.5.2.3	2.41	1.57	15065-10-8	PCI/G		1.83	2.00	
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Tin-113	EML HASL 300, 4.5.2.3	-0.0107	0.0427	13966-06-8	PCI/G	U	0.0731	0.100	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Uranium-234	EML HASL 300, 4.5.2.3	1.37	0.258	13966-29-5	PCI/G		0.158	1.00	
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Uranium-235	EML HASL 300, 4.5.2.3	0.192	0.166	15117-96-1	PCI/G	U	0.281	0.500	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Uranium-238	EML HASL 300, 4.5.2.3	2.41	1.57	7440-61-1	PCI/G		1.83	1.00	
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Yttrium-88	EML HASL 300, 4.5.2.3	-0.00762	0.0267	13982-36-0	PCI/G	U	0.0478	0.100	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Zinc-65	EML HASL 300, 4.5.2.3	0.00556	0.0827	13982-39-3	PCI/G	U	0.129	0.300	U
IGLOO 804-SB11; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0373	0.0804	13967-71-0	PCI/G	U	0.142	0.200	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Actinium-228	EML HASL 300, 4.5.2.3	0.823	0.232	14331-83-0	PCI/G		0.186	0.800	
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0121	0.251	14596-10-2	PCI/G	U	0.375	0.200	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.0398	0.0507	14683-10-4	PCI/G	U	0.0847	0.100	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Antimony-125	EML HASL 300, 4.5.2.3	0.0242	0.0926	14234-35-6	PCI/G	U	0.158	0.200	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0268	0.0444	13981-41-4	PCI/G	U	0.0628	0.100	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Barium-140	EML HASL 300, 4.5.2.3	-0.427	1.31	14798-08-4	PCI/G	U	2.27	0.500	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.331	0.436	13966-02-4	PCI/G	U	0.741	0.700	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.687	0.476	14913-49-6	PCI/G		0.438	0.500	
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Bismuth-214	EML HASL 300, 4.5.2.3	3.27	0.416	14733-03-0	PCI/G		0.0919	0.200	
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cerium-139	EML HASL 300, 4.5.2.3	0.0208	0.0421		PCI/G	U	0.066	0.050	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cerium-141	EML HASL 300, 4.5.2.3	0.00	0.203	13967-74-3	PCI/G	UUI	0.225	0.100	UJ
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.158	0.235	14762-78-8	PCI/G	U	0.402	0.500	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cesium-134	EML HASL 300, 4.5.2.3	0.0422	0.0551	13967-70-9	PCI/G	U	0.067	0.100	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cesium-136	EML HASL 300, 4.5.2.3	0.0303	0.536	14234-29-8	PCI/G	U	0.925	0.300	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cesium-137	EML HASL 300, 4.5.2.3	0.337	0.066	10045-97-3	PCI/G		0.0503	0.100	
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.326	0.971	14392-02-0	PCI/G	U	1.41	0.600	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.0156	0.0414		PCI/G	U	0.0743	0.100	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.011	0.0291	13981-50-5	PCI/G	U	0.0507	0.050	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-58	EML HASL 300, 4.5.2.3	0.0614	0.0511	13981-38-9	PCI/G	U	0.0859	0.100	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.0256	0.0319	10198-40-0	PCI/G	U	0.0525	0.100	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Europium-152	EML HASL 300, 4.5.2.3	0.0153	0.0949	14683-23-9	PCI/G	U	0.162	0.200	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Europium-154	EML HASL 300, 4.5.2.3	0.00593	0.0982	15585-10-1	PCI/G	U	0.176	0.500	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Europium-155	EML HASL 300, 4.5.2.3	0.0355	0.144	14391-16-3	PCI/G	U	0.207	0.500	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Iridium-192	EML HASL 300, 4.5.2.3	-0.0275	0.0456	14694-69-0	PCI/G	U	0.0754	0.100	U
IGLOO 804-SB11; 0.0-5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Iron-59	EML HASL 300, 4.5.2.3	-0.0617	0.124	14596-12-4	PCI/G	U	0.203	0.300	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Lead-210	EML HASL 300, 4.5.2.3	1.54	7.11	14255-04-0	PCI/G	U	10.9	4.00	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Lead-212	EML HASL 300, 4.5.2.3	0.664	0.121	15092-94-1	PCI/G	U	0.124	0.100	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Lead-214	EML HASL 300, 4.5.2.3	4.00	0.489	15067-28-4	PCI/G	U	0.111	0.100	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.0327	0.0371	13966-31-9	PCI/G	U	0.0598	0.100	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Mercury-203	EML HASL 300, 4.5.2.3	-0.0128	0.066	13982-78-0	PCI/G	U	0.112	0.100	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Neodymium-147	EML HASL 300, 4.5.2.3	-1.28	3.82	14269-74-0	PCI/G	U	6.64	1000	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.000324	0.202	13968-59-7	PCI/G	U	0.358	2.00	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Niobium-94	EML HASL 300, 4.5.2.3	0.0146	0.0279	14681-63-1	PCI/G	U	0.0503	1.00	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Niobium-95	EML HASL 300, 4.5.2.3	0.00	0.102	13967-76-5	PCI/G	UUI	0.171	0.050	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Potassium-40	EML HASL 300, 4.5.2.3	17.3	2.18	13966-00-2	PCI/G	U	0.509	1.00	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Promethium-144	EML HASL 300, 4.5.2.3	0.00686	0.0294		PCI/G	U	0.0523	0.080	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Promethium-146	EML HASL 300, 4.5.2.3	0.0151	0.0396		PCI/G	U	0.0681	1.00	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Radium-226	EML HASL 300, 4.5.2.3	3.27	0.416	13982-63-3	PCI/G	U	0.0919	1.00	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Radium-228	EML HASL 300, 4.5.2.3	0.823	0.232	15262-20-1	PCI/G	U	0.186	0.500	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.235	0.260	13967-48-1	PCI/G	U	0.484	0.800	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Silver-110m	EML HASL 300, 4.5.2.3	0.0257	0.0343		PCI/G	U	0.056	0.080	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Sodium-22	EML HASL 300, 4.5.2.3	0.00223	0.0358	13966-32-0	PCI/G	U	0.0641	0.080	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thallium-208	EML HASL 300, 4.5.2.3	0.277	0.068	14913-50-9	PCI/G	U	0.0527	0.080	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thorium-230	EML HASL 300, 4.5.2.3	3.27	0.416	14269-63-7	PCI/G	U	0.0919	1.00	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thorium-232	EML HASL 300, 4.5.2.3	0.633	0.116	7440-29-1	PCI/G	U	0.118	0.500	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thorium-234	EML HASL 300, 4.5.2.3	7.63	2.94	15065-10-8	PCI/G	U	2.90	2.00	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Tin-113	EML HASL 300, 4.5.2.3	-0.0141	0.0522	13966-06-8	PCI/G	U	0.0869	0.100	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Uranium-234	EML HASL 300, 4.5.2.3	3.82	0.529	13966-29-5	PCI/G	U	0.227	1.00	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Uranium-235	EML HASL 300, 4.5.2.3	0.732	0.532	15117-96-1	PCI/G	U	0.447	0.500	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Uranium-238	EML HASL 300, 4.5.2.3	7.63	2.94	7440-61-1	PCI/G	U	2.90	1.00	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Yttrium-88	EML HASL 300, 4.5.2.3	-0.0131	0.035	13982-36-0	PCI/G	U	0.0801	0.100	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Zinc-65	EML HASL 300, 4.5.2.3	-0.00688	0.0942	13982-39-3	PCI/G	U	0.144	0.300	U
IGLOO 804-SB11; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.0431	0.0817	13967-71-0	PCI/G	U	0.137	0.200	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Actinium-228	EML HASL 300, 4.5.2.3	1.04	0.252	14331-83-0	PCI/G	U	0.161	0.800	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Americium-241	EML HASL 300, 4.5.2.3	0.0981	0.159	14596-10-2	PCI/G	U	0.240	0.200	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Antimony-124	EML HASL 300, 4.5.2.3	0.0227	0.0382	14683-10-4	PCI/G	U	0.0691	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Antimony-125	EML HASL 300, 4.5.2.3	0.0131	0.0626	14234-35-6	PCI/G	U	0.112	0.200	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0299	0.0301	13981-41-4	PCI/G	U	0.0461	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Barium-140	EML HASL 300, 4.5.2.3	0.739	1.07	14798-08-4	PCI/G	U	1.92	0.500	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.32	0.330	13966-02-4	PCI/G	U	0.542	0.700	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.472	0.338	14913-49-6	PCI/G	U	0.325	0.500	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.666	0.132	14733-03-0	PCI/G	U	0.0799	0.200	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.00516	0.0215		PCI/G	U	0.0361	0.050	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0288	0.085	13967-74-3	PCI/G	U	0.133	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.0998	0.140	14762-78-8	PCI/G	U	0.231	0.500	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cesium-134	EML HASL 300, 4.5.2.3	0.035	0.0614	13967-70-9	PCI/G	U	0.0627	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cesium-136	EML HASL 300, 4.5.2.3	0.0943	0.432	14234-29-8	PCI/G	U	0.759	0.300	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cesium-137	EML HASL 300, 4.5.2.3	-0.00231	0.0263	10045-97-3	PCI/G	U	0.0455	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Chromium-51	EML HASL 300, 4.5.2.3	0.313	0.537	14392-02-0	PCI/G	U	0.927	0.600	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.0235	0.0386		PCI/G	U	0.0699	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.00699	0.0172	13981-50-5	PCI/G	U	0.0301	0.050	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-58	EML HASL 300, 4.5.2.3	0.011	0.0368	13981-38-9	PCI/G	U	0.0656	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.018	0.0285	10198-40-0	PCI/G	U	0.0477	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Europium-152	EML HASL 300, 4.5.2.3	-0.0238	0.0622	14683-23-9	PCI/G	U	0.101	0.200	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Europium-154	EML HASL 300, 4.5.2.3	-0.0524	0.114	15585-10-1	PCI/G	U	0.165	0.500	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Europium-155	EML HASL 300, 4.5.2.3	0.0568	0.0742	14391-16-3	PCI/G	U	0.123	0.500	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Iridium-192	EML HASL 300, 4.5.2.3	-0.00646	0.0293	14694-69-0	PCI/G	U	0.0482	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Iron-59	EML HASL 300, 4.5.2.3	0.0475	0.112	14596-12-4	PCI/G	U	0.207	0.300	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Lead-210	EML HASL 300, 4.5.2.3	1.25	5.19	14255-04-0	PCI/G	U	8.83	4.00	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Lead-212	EML HASL 300, 4.5.2.3	0.914	0.119	15092-94-1	PCI/G	U	0.0595	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Lead-214	EML HASL 300, 4.5.2.3	0.876	0.131	15067-28-4	PCI/G	U	0.0751	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.000549	0.0293	13966-31-9	PCI/G	U	0.0503	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Mercury-203	EML HASL 300, 4.5.2.3	0.00765	0.0468	13982-78-0	PCI/G	U	0.0707	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Neodymium-147	EML HASL 300, 4.5.2.3	-1.15	2.72	14269-74-0	PCI/G	U	4.64	1000	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.0554	0.117	13968-59-7	PCI/G	U	0.205	2.00	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Niobium-94	EML HASL 300, 4.5.2.3	0.0119	0.0236	14681-63-1	PCI/G	U	0.0423	1.00	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Niobium-95	EML HASL 300, 4.5.2.3	0.102	0.0795	13967-76-5	PCI/G	U	0.116	0.050	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Potassium-40	EML HASL 300, 4.5.2.3	22.4	2.52	13966-00-2	PCI/G	U	0.423	1.00	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Promethium-144	EML HASL 300, 4.5.2.3	0.0215	0.0245		PCI/G	U	0.0452	0.080	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Promethium-146	EML HASL 300, 4.5.2.3	0.0104	0.0272		PCI/G	U	0.0494	1.00	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Radium-226	EML HASL 300, 4.5.2.3	0.666	0.132	13982-63-3	PCI/G	U	0.0799	1.00	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Radium-228	EML HASL 300, 4.5.2.3	1.04	0.252	15262-20-1	PCI/G	U	0.161	0.500	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.0135	0.222	13967-48-1	PCI/G	U	0.390	0.800	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.00191	0.0232		PCI/G	U	0.0405	0.080	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.0194	0.0413	13966-32-0	PCI/G	U	0.060	0.080	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thallium-208	EML HASL 300, 4.5.2.3	0.308	0.0676	14913-50-9	PCI/G	U	0.0441	0.080	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thorium-230	EML HASL 300, 4.5.2.3	0.666	0.132	14269-63-7	PCI/G	U	0.0799	1.00	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thorium-232	EML HASL 300, 4.5.2.3	0.871	0.113	7440-29-1	PCI/G	U	0.0567	0.500	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Thorium-234	EML HASL 300, 4.5.2.3	1.11	2.64	15065-10-8	PCI/G	U	1.85	2.00	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Tin-113	EML HASL 300, 4.5.2.3	0.00347	0.0377	13966-06-8	PCI/G	U	0.0625	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Uranium-234	EML HASL 300, 4.5.2.3	0.891	0.211	13966-29-5	PCI/G	U	0.144	1.00	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Uranium-235	EML HASL 300, 4.5.2.3	0.170	0.236	15117-96-1	PCI/G	U	0.213	0.500	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Uranium-238	EML HASL 300, 4.5.2.3	1.11	2.64	7440-61-1	PCI/G	U	1.85	1.00	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.0161	0.030	13982-36-0	PCI/G	U	0.0611	0.100	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Zinc-65	EML HASL 300, 4.5.2.3	-0.00584	0.0772	13982-39-3	PCI/G	U	0.120	0.300	U
IGLOO 804-SB11; 2-4	SAMPLE	08/12/03	08/26/03	08/27/03	09/29/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.0407	0.123	13967-71-0	PCI/G	U	0.125	0.200	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Actinium-228	EML HASL 300, 4.5.2.3	0.278	0.146	14331-83-0	PCI/G	U	0.0857	0.800	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0137	0.0574	14596-10-2	PCI/G	U	0.107	0.200	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Antimony-124	EML HASL 300, 4.5.2.3	0.010	0.0233	14683-10-4	PCI/G	U	0.0434	0.100	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Antimony-125	EML HASL 300, 4.5.2.3	8.380E-05	0.0356	14234-35-6	PCI/G	U	0.0657	0.200	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Barium-133	EML HASL 300, 4.5.2.3	0.0044	0.0192	13981-41-4	PCI/G	U	0.032	0.100	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Barium-140	EML HASL 300, 4.5.2.3	-0.344	0.792	14798-08-4	PCI/G	U	1.38	0.500	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.131	0.202	13966-02-4	PCI/G	U	0.353	0.700	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.188	0.189	14913-49-6	PCI/G	U	0.209	0.500	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.522	0.0944	14733-03-0	PCI/G	U	0.0479	0.200	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.0222	0.0151		PCI/G	U	0.0248	0.050	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0362	0.0653	13967-74-3	PCI/G	U	0.102	0.100	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cerium-144	EML HASL 300, 4.5.2.3	0.0462	0.0909	14762-78-8	PCI/G	U	0.168	0.500	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cesium-134	EML HASL 300, 4.5.2.3	-0.000789	0.0162	13967-70-9	PCI/G	U	0.0289	0.100	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.0789	0.308	14234-29-8	PCI/G	U	0.560	0.300	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cesium-137	EML HASL 300, 4.5.2.3	0.0138	0.0142	10045-97-3	PCI/G	U	0.0281	0.100	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.343	0.366	14392-02-0	PCI/G	U	0.645	0.600	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cobalt-56	EML HASL 300, 4.5.2.3	-0.0257	0.0246		PCI/G	U	0.039	0.100	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.00821	0.0106	13981-50-5	PCI/G	U	0.0199	0.050	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0127	0.022	13981-38-9	PCI/G	U	0.0371	0.100	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.00923	0.0141	10198-40-0	PCI/G	U	0.0241	0.100	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Europium-152	EML HASL 300, 4.5.2.3	0.0136	0.0364	14683-23-9	PCI/G	U	0.0691	0.200	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator Qualifier
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Europium-154	EML HASL 300, 4.5.2.3	0.020	0.0392	15585-10-1	PCI/G U		0.0705	0.500	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Europium-155	EML HASL 300, 4.5.2.3	0.0208	0.0406	14391-16-3	PCI/G U		0.0762	0.500	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Iridium-192	EML HASL 300, 4.5.2.3	0.0108	0.0179	14694-69-0	PCI/G U		0.0346	0.100	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Iron-59	EML HASL 300, 4.5.2.3	-0.00142	0.0606	14596-12-4	PCI/G U		0.112	0.300	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Lead-210	EML HASL 300, 4.5.2.3	3.11	4.30	14255-04-0	PCI/G		2.71	4.00	
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Lead-212	EML HASL 300, 4.5.2.3	0.307	0.059	15092-94-1	PCI/G		0.0405	0.100	
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Lead-214	EML HASL 300, 4.5.2.3	0.558	0.0961	15067-28-4	PCI/G		0.0489	0.100	
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Manganese-54	EML HASL 300, 4.5.2.3	0.000256	0.0161	13966-31-9	PCI/G U		0.0286	0.100	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Mercury-203	EML HASL 300, 4.5.2.3	0.00794	0.028	13982-78-0	PCI/G U		0.0531	0.100	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Neodymium-147	EML HASL 300, 4.5.2.3	-1.31	2.44	14269-74-0	PCI/G U		4.27	1000	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.00	0.160	13968-59-7	PCI/G UUI		0.138	2.00	UJ
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Niobium-94	EML HASL 300, 4.5.2.3	0.000611	0.012	14681-63-1	PCI/G U		0.0217	1.00	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0497	0.0444	13967-76-5	PCI/G U		0.0779	0.050	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Potassium-40	EML HASL 300, 4.5.2.3	5.57	0.742	13966-00-2	PCI/G		0.180	1.00	
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Promethium-144	EML HASL 300, 4.5.2.3	0.00653	0.0155		PCI/G U		0.0263	0.080	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Promethium-146	EML HASL 300, 4.5.2.3	-0.00248	0.0159		PCI/G U		0.029	1.00	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Radium-226	EML HASL 300, 4.5.2.3	0.522	0.0944	13982-63-3	PCI/G		0.0479	1.00	
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Radium-228	EML HASL 300, 4.5.2.3	0.278	0.146	15262-20-1	PCI/G		0.0857	0.500	
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Ruthenium-106	EML HASL 300, 4.5.2.3	-0.0707	0.135	13967-48-1	PCI/G U		0.232	0.800	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.0128	0.0147		PCI/G U		0.0244	0.080	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Sodium-22	EML HASL 300, 4.5.2.3	0.00719	0.0143	13966-32-0	PCI/G U		0.0257	0.080	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Thallium-208	EML HASL 300, 4.5.2.3	0.101	0.0342	14913-50-9	PCI/G		0.0249	0.080	
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Thorium-230	EML HASL 300, 4.5.2.3	0.522	0.0944	14269-63-7	PCI/G		0.0479	1.00	
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Thorium-232	EML HASL 300, 4.5.2.3	0.290	0.0559	7440-29-1	PCI/G		0.0384	0.500	
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Thorium-234	EML HASL 300, 4.5.2.3	1.54	1.20	15065-10-8	PCI/G		0.858	2.00	
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Tin-113	EML HASL 300, 4.5.2.3	-0.00804	0.0212	13966-06-8	PCI/G U		0.0383	0.100	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Uranium-234	EML HASL 300, 4.5.2.3	0.592	0.140	13966-29-5	PCI/G		0.0995	1.00	
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Uranium-235	EML HASL 300, 4.5.2.3	0.074	0.128	15117-96-1	PCI/G U		0.155	0.500	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Uranium-238	EML HASL 300, 4.5.2.3	1.54	1.20	7440-61-1	PCI/G		0.858	1.00	
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.000377	0.0153	13982-36-0	PCI/G U		0.0297	0.100	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Zinc-65	EML HASL 300, 4.5.2.3	-0.0761	0.0458	13982-39-3	PCI/G U		0.071	0.300	U
IGLOO 805-SB12; 0.5-2	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0388	0.0422	13967-71-0	PCI/G U		0.0772	0.200	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Actinium-228	EML HASL 300, 4.5.2.3	1.17	0.265	14331-83-0	PCI/G		0.175	0.800	
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Americium-241	EML HASL 300, 4.5.2.3	0.0514	0.112	14596-10-2	PCI/G U		0.204	0.200	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Antimony-124	EML HASL 300, 4.5.2.3	0.0138	0.0429	14683-10-4	PCI/G U		0.0752	0.100	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Antimony-125	EML HASL 300, 4.5.2.3	0.0582	0.144	14234-35-6	PCI/G U		0.119	0.200	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0311	0.0356	13981-41-4	PCI/G U		0.0522	0.100	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Barium-140	EML HASL 300, 4.5.2.3	1.68	1.78	14798-08-4	PCI/G U		2.78	0.500	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Beryllium-7	EML HASL 300, 4.5.2.3	0.0262	0.405	13966-02-4	PCI/G U		0.706	0.700	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.728	0.406	14913-49-6	PCI/G		0.363	0.500	
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Bismuth-214	EML HASL 300, 4.5.2.3	2.83	0.310	14733-03-0	PCI/G		0.0836	0.200	
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cerium-139	EML HASL 300, 4.5.2.3	0.0138	0.0295		PCI/G U		0.046	0.050	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cerium-141	EML HASL 300, 4.5.2.3	0.132	0.119	13967-74-3	PCI/G U		0.181	0.100	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cerium-144	EML HASL 300, 4.5.2.3	0.0909	0.158	14762-78-8	PCI/G U		0.277	0.500	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.0486	13967-70-9	PCI/G UUI		0.0613	0.100	UJ
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.266	0.701	14234-29-8	PCI/G U		1.19	0.300	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cesium-137	EML HASL 300, 4.5.2.3	0.158	0.0453	10045-97-3	PCI/G		0.0458	0.100	
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.0955	0.701	14392-02-0	PCI/G U		1.24	0.600	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.00053	0.0412		PCI/G U		0.0735	0.100	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.00861	0.0199	13981-50-5	PCI/G U		0.0351	0.050	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0345	0.0442	13981-38-9	PCI/G U		0.0748	0.100	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.00526	0.0354	10198-40-0	PCI/G	U	0.0604	0.100	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Europium-152	EML HASL 300, 4.5.2.3	0.0481	0.0702	14683-23-9	PCI/G	U	0.128	0.200	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Europium-154	EML HASL 300, 4.5.2.3	-0.0286	0.0981	15585-10-1	PCI/G	U	0.166	0.500	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Europium-155	EML HASL 300, 4.5.2.3	0.104	0.0989	14391-16-3	PCI/G	U	0.129	0.500	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Iridium-192	EML HASL 300, 4.5.2.3	-0.0104	0.0343	14694-69-0	PCI/G	U	0.0603	0.100	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Iron-59	EML HASL 300, 4.5.2.3	-0.0843	0.133	14596-12-4	PCI/G	U	0.221	0.300	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Lead-210	EML HASL 300, 4.5.2.3	5.15	5.41	14255-04-0	PCI/G	U	5.40	4.00	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Lead-212	EML HASL 300, 4.5.2.3	1.04	0.134	15092-94-1	PCI/G	U	0.0856	0.100	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Lead-214	EML HASL 300, 4.5.2.3	3.42	0.388	15067-28-4	PCI/G	U	0.0816	0.100	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Manganese-54	EML HASL 300, 4.5.2.3	0.00891	0.0351	13966-31-9	PCI/G	U	0.0555	0.100	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Mercury-203	EML HASL 300, 4.5.2.3	0.0265	0.0609	13982-78-0	PCI/G	U	0.0923	0.100	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Neodymium-147	EML HASL 300, 4.5.2.3	0.161	5.49	14269-74-0	PCI/G	U	8.37	1000	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.00918	0.133	13968-59-7	PCI/G	U	0.233	2.00	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Niobium-94	EML HASL 300, 4.5.2.3	0.0201	0.0261	14681-63-1	PCI/G	U	0.0462	1.00	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Niobium-95	EML HASL 300, 4.5.2.3	0.118	0.0958	13967-76-5	PCI/G	U	0.154	0.050	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Potassium-40	EML HASL 300, 4.5.2.3	20.9	1.77	13966-00-2	PCI/G	U	0.537	1.00	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Promethium-144	EML HASL 300, 4.5.2.3	0.000915	0.0264		PCI/G	U	0.0451	0.080	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Promethium-146	EML HASL 300, 4.5.2.3	0.0366	0.0318		PCI/G	U	0.0584	1.00	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Radium-226	EML HASL 300, 4.5.2.3	2.83	0.310	13982-63-3	PCI/G	U	0.0836	1.00	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Radium-228	EML HASL 300, 4.5.2.3	1.17	0.265	15262-20-1	PCI/G	U	0.175	0.500	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.149	0.258	13967-48-1	PCI/G	U	0.457	0.800	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Silver-110m	EML HASL 300, 4.5.2.3	0.00826	0.0329		PCI/G	U	0.0502	0.080	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.0105	0.0358	13966-32-0	PCI/G	U	0.0606	0.080	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Thallium-208	EML HASL 300, 4.5.2.3	0.309	0.0765	14913-50-9	PCI/G	U	0.0459	0.080	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Thorium-230	EML HASL 300, 4.5.2.3	2.83	0.310	14269-63-7	PCI/G	U	0.0836	1.00	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Thorium-232	EML HASL 300, 4.5.2.3	0.988	0.127	7440-29-1	PCI/G	U	0.0811	0.500	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Thorium-234	EML HASL 300, 4.5.2.3	3.19	1.86	15065-10-8	PCI/G	U	1.63	2.00	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Tin-113	EML HASL 300, 4.5.2.3	-0.0473	0.0426	13966-06-8	PCI/G	U	0.071	0.100	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Uranium-234	EML HASL 300, 4.5.2.3	3.63	0.479	13966-29-5	PCI/G	U	0.180	1.00	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Uranium-235	EML HASL 300, 4.5.2.3	0.291	0.255	15117-96-1	PCI/G	U	0.282	0.500	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Uranium-238	EML HASL 300, 4.5.2.3	3.19	1.86	7440-61-1	PCI/G	U	1.63	1.00	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.0358	0.0761	13982-36-0	PCI/G	U	0.0607	0.100	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Zinc-65	EML HASL 300, 4.5.2.3	-0.015	0.0856	13982-39-3	PCI/G	U	0.127	0.300	U
IGLOO 805-SB12; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.0278	0.0852	13967-71-0	PCI/G	U	0.141	0.200	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Actinium-228	EML HASL 300, 4.5.2.3	1.01	0.290	14331-83-0	PCI/G	U	0.180	0.800	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Americium-241	EML HASL 300, 4.5.2.3	0.00379	0.037	14596-10-2	PCI/G	U	0.0644	0.200	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.0349	0.0468	14683-10-4	PCI/G	U	0.0789	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.0337	0.0785	14234-35-6	PCI/G	U	0.130	0.200	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0211	0.0344	13981-41-4	PCI/G	U	0.0495	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Barium-140	EML HASL 300, 4.5.2.3	3.41	3.24	14798-08-4	PCI/G	U	3.50	0.500	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Beryllium-7	EML HASL 300, 4.5.2.3	0.00618	0.395	13966-02-4	PCI/G	U	0.730	0.700	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.929	0.440	14913-49-6	PCI/G	U	0.441	0.500	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.947	0.183	14733-03-0	PCI/G	U	0.0975	0.200	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.0132	0.0229		PCI/G	U	0.0402	0.050	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0302	0.114	13967-74-3	PCI/G	U	0.168	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.137	0.147	14762-78-8	PCI/G	U	0.253	0.500	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cesium-134	EML HASL 300, 4.5.2.3	0.0784	0.0637	13967-70-9	PCI/G	U	0.0802	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.646	0.718	14234-29-8	PCI/G	U	1.20	0.300	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cesium-137	EML HASL 300, 4.5.2.3	0.0902	0.0569	10045-97-3	PCI/G	U	0.0541	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.378	0.694	14392-02-0	PCI/G	U	1.16	0.600	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.00342	0.0541		PCI/G	U	0.0851	0.100	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.00602	0.0172	13981-50-5	PCI/G	U	0.0322	0.050	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0472	0.0501	13981-38-9	PCI/G	U	0.0795	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Cobalt-60	EML HASL 300, 4.5.2.3	0.0238	0.0504	10198-40-0	PCI/G	U	0.0652	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Europium-152	EML HASL 300, 4.5.2.3	2.580E-05	0.0712	14683-23-9	PCI/G	U	0.124	0.200	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Europium-154	EML HASL 300, 4.5.2.3	0.071	0.0979	15585-10-1	PCI/G	U	0.195	0.500	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Europium-155	EML HASL 300, 4.5.2.3	0.0195	0.0666	14391-16-3	PCI/G	U	0.114	0.500	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00915	0.0354	14694-69-0	PCI/G	U	0.0634	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Iron-59	EML HASL 300, 4.5.2.3	-0.109	0.154	14596-12-4	PCI/G	U	0.262	0.300	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Lead-210	EML HASL 300, 4.5.2.3	0.898	0.572	14255-04-0	PCI/G	U	0.582	4.00	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Lead-212	EML HASL 300, 4.5.2.3	0.926	0.165	15092-94-1	PCI/G	U	0.0672	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Lead-214	EML HASL 300, 4.5.2.3	0.952	0.180	15067-28-4	PCI/G	U	0.0903	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Manganese-54	EML HASL 300, 4.5.2.3	0.0208	0.0367	13966-31-9	PCI/G	U	0.0683	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Mercury-203	EML HASL 300, 4.5.2.3	0.0713	0.0891	13982-78-0	PCI/G	U	0.0828	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Neodymium-147	EML HASL 300, 4.5.2.3	0.687	5.13	14269-74-0	PCI/G	U	9.51	1000	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.0141	0.113	13968-59-7	PCI/G	U	0.208	2.00	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Niobium-94	EML HASL 300, 4.5.2.3	-0.0105	0.029	14681-63-1	PCI/G	U	0.0501	1.00	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0895	0.103	13967-76-5	PCI/G	U	0.177	0.050	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Potassium-40	EML HASL 300, 4.5.2.3	19.6	2.30	13966-00-2	PCI/G	U	0.558	1.00	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Promethium-144	EML HASL 300, 4.5.2.3	-0.0384	0.0306		PCI/G	U	0.0474	0.080	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Promethium-146	EML HASL 300, 4.5.2.3	-0.00389	0.0346		PCI/G	U	0.0632	1.00	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Radium-226	EML HASL 300, 4.5.2.3	0.947	0.183	13982-63-3	PCI/G	U	0.0975	1.00	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Radium-228	EML HASL 300, 4.5.2.3	1.01	0.290	15262-20-1	PCI/G	U	0.180	0.500	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.0462	0.288	13967-48-1	PCI/G	U	0.528	8.00	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Silver-110m	EML HASL 300, 4.5.2.3	0.00456	0.0364		PCI/G	U	0.0586	0.080	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Sodium-22	EML HASL 300, 4.5.2.3	0.0261	0.0357	13966-32-0	PCI/G	U	0.0715	0.080	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Thallium-208	EML HASL 300, 4.5.2.3	0.253	0.0692	14913-50-9	PCI/G	U	0.0518	0.080	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Thorium-230	EML HASL 300, 4.5.2.3	0.947	0.183	14269-63-7	PCI/G	U	0.0975	1.00	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Thorium-232	EML HASL 300, 4.5.2.3	0.877	0.156	7440-29-1	PCI/G	U	0.0637	0.500	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Thorium-234	EML HASL 300, 4.5.2.3	1.19	0.651	15065-10-8	PCI/G	U	0.649	2.00	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Tin-113	EML HASL 300, 4.5.2.3	-0.0211	0.0451	13966-06-8	PCI/G	U	0.0748	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Uranium-234	EML HASL 300, 4.5.2.3	1.16	0.262	13966-29-5	PCI/G	U	0.153	1.00	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Uranium-235	EML HASL 300, 4.5.2.3	0.0543	0.204	15117-96-1	PCI/G	U	0.260	0.500	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Uranium-238	EML HASL 300, 4.5.2.3	1.19	0.651	7440-61-1	PCI/G	U	0.649	1.00	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Yttrium-88	EML HASL 300, 4.5.2.3	-0.0109	0.0349	13982-36-0	PCI/G	U	0.0557	0.100	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Zinc-65	EML HASL 300, 4.5.2.3	-0.101	0.102	13982-39-3	PCI/G	U	0.168	0.300	U
IGLOO 805-SB13; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/29/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0336	0.0879	13967-71-0	PCI/G	U	0.164	0.200	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Actinium-228	EML HASL 300, 4.5.2.3	0.00	0.239	14331-83-0	PCI/G	UUI	0.303	8.00	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Americium-241	EML HASL 300, 4.5.2.3	0.184	0.254	14596-10-2	PCI/G	U	0.432	0.200	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.0329	0.0486	14683-10-4	PCI/G	U	0.0855	0.100	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.00883	0.112	14234-35-6	PCI/G	U	0.195	0.200	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0347	0.0534	13981-41-4	PCI/G	U	0.0804	0.100	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Barium-140	EML HASL 300, 4.5.2.3	1.64	1.99	14798-08-4	PCI/G	U	1.85	0.500	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.537	0.571	13966-02-4	PCI/G	U	0.810	0.700	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.098	0.285	14913-49-6	PCI/G	U	0.527	0.500	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Bismuth-214	EML HASL 300, 4.5.2.3	9.54	0.917	14733-03-0	PCI/G	U	0.121	0.200	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.0114	0.0406		PCI/G	U	0.0748	0.050	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Cerium-141	EML HASL 300, 4.5.2.3	0.174	0.159	13967-74-3	PCI/G	U	0.224	0.100	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Cerium-144	EML HASL 300, 4.5.2.3	0.321	0.437	14762-78-8	PCI/G	U	0.458	0.500	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Cesium-134	EML HASL 300, 4.5.2.3	0.0268	0.0403	13967-70-9	PCI/G	U	0.0756	0.100	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Cesium-136	EML HASL 300, 4.5.2.3	0.0834	0.377	14234-29-8	PCI/G	U	0.677	0.300	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Cesium-137	EML HASL 300, 4.5.2.3	0.0469	0.0586	10045-97-3	PCI/G	U	0.0613	0.100	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.674	0.727	14392-02-0	PCI/G U		1.24	0.600	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.0108	0.0507		PCI/G U		0.0917	0.100	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.00426	0.0302	13981-50-5	PCI/G U		0.0575	0.050	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0126	0.0526	13981-38-9	PCI/G U		0.081	0.100	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.0144	0.0405	10198-40-0	PCI/G U		0.0718	0.100	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Europium-152	EML HASL 300, 4.5.2.3	0.00481	0.109	14683-23-9	PCI/G U		0.193	0.200	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Europium-154	EML HASL 300, 4.5.2.3	-0.075	0.116	15585-10-1	PCI/G U		0.200	0.500	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Europium-155	EML HASL 300, 4.5.2.3	0.0199	0.116	14391-16-3	PCI/G U		0.223	0.500	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Iridium-192	EML HASL 300, 4.5.2.3	0.0615	0.0485	14694-69-0	PCI/G U		0.0906	0.100	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Iron-59	EML HASL 300, 4.5.2.3	-0.0173	0.124	14596-12-4	PCI/G U		0.215	0.300	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Lead-210	EML HASL 300, 4.5.2.3	18.0	16.2	14255-04-0	PCI/G		15.4	4.00	
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Lead-212	EML HASL 300, 4.5.2.3	0.309	0.119	15092-94-1	PCI/G		0.114	0.100	
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Lead-214	EML HASL 300, 4.5.2.3	11.6	1.12	15067-28-4	PCI/G		0.135	0.100	
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.000502	0.0402	13966-31-9	PCI/G U		0.0716	0.100	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Mercury-203	EML HASL 300, 4.5.2.3	-0.0257	0.0645	13982-78-0	PCI/G U		0.114	0.100	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Neodymium-147	EML HASL 300, 4.5.2.3	2.15	5.05	14269-74-0	PCI/G U		3.88	1000	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.16	0.212	13968-59-7	PCI/G U		0.396	2.00	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Niobium-94	EML HASL 300, 4.5.2.3	0.057	0.0332	14681-63-1	PCI/G U		0.0654	1.00	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Niobium-95	EML HASL 300, 4.5.2.3	0.00	0.0812	13967-76-5	PCI/G UUI		0.148	0.050	UJ
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Potassium-40	EML HASL 300, 4.5.2.3	5.93	1.05	13966-00-2	PCI/G		0.734	1.00	
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Promethium-144	EML HASL 300, 4.5.2.3	0.0105	0.0317		PCI/G U		0.0589	0.080	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Promethium-146	EML HASL 300, 4.5.2.3	0.037	0.0662		PCI/G U		0.0865	1.00	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Radium-226	EML HASL 300, 4.5.2.3	9.54	0.917	13982-63-3	PCI/G		0.121	1.00	
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Radium-228	EML HASL 300, 4.5.2.3	0.00	0.239	15262-20-1	PCI/G UUI		0.303	0.500	UJ
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Ruthenium-106	EML HASL 300, 4.5.2.3	-0.183	0.291	13967-48-1	PCI/G U		0.511	0.800	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Silver-110m	EML HASL 300, 4.5.2.3	0.00686	0.0366		PCI/G U		0.0601	0.080	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.0272	0.0418	13966-32-0	PCI/G U		0.0724	0.080	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Thallium-208	EML HASL 300, 4.5.2.3	0.115	0.0634	14913-50-9	PCI/G		0.0593	0.080	
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Thorium-230	EML HASL 300, 4.5.2.3	9.54	0.917	14269-63-7	PCI/G		0.121	1.00	
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Thorium-232	EML HASL 300, 4.5.2.3	0.297	0.114	7440-29-1	PCI/G		0.109	0.500	
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Thorium-234	EML HASL 300, 4.5.2.3	11.4	3.91	15065-10-8	PCI/G		3.19	2.00	
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Tin-113	EML HASL 300, 4.5.2.3	-0.0231	0.0594	13966-06-8	PCI/G U		0.102	0.100	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Uranium-234	EML HASL 300, 4.5.2.3	11.4	1.20	13966-29-5	PCI/G		0.274	1.00	
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Uranium-235	EML HASL 300, 4.5.2.3	0.601	0.534	15117-96-1	PCI/G		0.494	0.500	
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Uranium-238	EML HASL 300, 4.5.2.3	11.4	3.91	7440-61-1	PCI/G		3.19	1.00	
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Yttrium-88	EML HASL 300, 4.5.2.3	-0.0103	0.0413	13982-36-0	PCI/G U		0.0733	0.100	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Zinc-65	EML HASL 300, 4.5.2.3	0.00105	0.110	13982-39-3	PCI/G U		0.168	0.300	U
IGLOO 805-SB14; 0-4 in	SAMPLE	08/21/03	08/26/03	08/27/03	09/29/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.031	0.0826	13967-71-0	PCI/G U		0.154	0.200	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Actinium-228	EML HASL 300, 4.5.2.3	0.865	0.312	14331-83-0	PCI/G		0.290	0.800	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0306	0.0506	14596-10-2	PCI/G U		0.0851	0.200	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.0193	0.066	14683-10-4	PCI/G U		0.103	0.100	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.0174	0.0978	14234-35-6	PCI/G U		0.169	0.200	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Barium-133	EML HASL 300, 4.5.2.3	0.0225	0.0437	13981-41-4	PCI/G U		0.0802	0.100	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Barium-140	EML HASL 300, 4.5.2.3	1.17	1.46	14798-08-4	PCI/G U		2.78	0.500	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.243	0.517	13966-02-4	PCI/G U		0.856	0.700	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.554	0.521	14913-49-6	PCI/G U		0.589	0.500	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.830	0.192	14733-03-0	PCI/G		0.133	0.200	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.0199	0.0324		PCI/G U		0.051	0.050	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0245	0.137	13967-74-3	PCI/G U		0.191	0.100	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.0352	0.196	14762-78-8	PCI/G U		0.323	0.500	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Cesium-134	EML HASL 300, 4.5.2.3	0.0375	0.0491	13967-70-9	PCI/G U		0.0961	0.100	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.00823	0.851	14234-29-8	PCI/G U		1.51	0.300	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Cesium-137	EML HASL 300, 4.5.2.3	-0.0146	0.0452	10045-97-3	PCI/G U		0.080	0.100	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Chromium-51	EML HASL 300, 4.5.2.3	0.0107	0.838	14392-02-0	PCI/G U		1.49	0.600	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Cobalt-56	EML HASL 300, 4.5.2.3	-0.00499	0.0625		PCI/G U		0.112	0.100	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.00624	0.0223	13981-50-5	PCI/G U		0.0368	0.050	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0516	0.0679	13981-38-9	PCI/G U		0.112	0.100	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Cobalt-60	EML HASL 300, 4.5.2.3	0.0185	0.0463	10198-40-0	PCI/G U		0.0926	0.100	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Europium-152	EML HASL 300, 4.5.2.3	0.0849	0.102	14683-23-9	PCI/G U		0.152	0.200	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Europium-154	EML HASL 300, 4.5.2.3	-0.0246	0.145	15585-10-1	PCI/G U		0.265	0.500	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Europium-155	EML HASL 300, 4.5.2.3	-0.00874	0.0839	14391-16-3	PCI/G U		0.142	0.500	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Iridium-192	EML HASL 300, 4.5.2.3	0.0253	0.0427	14694-69-0	PCI/G U		0.0799	0.100	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Iron-59	EML HASL 300, 4.5.2.3	0.113	0.202	14596-12-4	PCI/G U		0.381	0.300	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Lead-210	EML HASL 300, 4.5.2.3	1.29	1.01	14255-04-0	PCI/G		0.719	4.00	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Lead-212	EML HASL 300, 4.5.2.3	0.840	0.143	15092-94-1	PCI/G		0.0881	0.100	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Lead-214	EML HASL 300, 4.5.2.3	0.661	0.172	15067-28-4	PCI/G		0.135	0.100	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Manganese-54	EML HASL 300, 4.5.2.3	0.00411	0.0488	13966-31-9	PCI/G U		0.0888	0.100	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Mercury-203	EML HASL 300, 4.5.2.3	0.016	0.0645	13982-78-0	PCI/G U		0.117	0.100	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Neodymium-147	EML HASL 300, 4.5.2.3	1.97	4.93	14269-74-0	PCI/G U		9.02	1000	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.0236	0.153	13968-59-7	PCI/G U		0.262	2.00	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Niobium-94	EML HASL 300, 4.5.2.3	-0.0172	0.0355	14681-63-1	PCI/G U		0.0617	1.00	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0964	0.109	13967-76-5	PCI/G U		0.214	0.050	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Potassium-40	EML HASL 300, 4.5.2.3	16.3	2.20	13966-00-2	PCI/G		0.511	1.00	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Promethium-144	EML HASL 300, 4.5.2.3	0.0165	0.0399		PCI/G U		0.0761	0.080	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Promethium-146	EML HASL 300, 4.5.2.3	0.00467	0.0442		PCI/G U		0.0785	1.00	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Radium-226	EML HASL 300, 4.5.2.3	0.830	0.192	13982-63-3	PCI/G		0.133	1.00	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Radium-228	EML HASL 300, 4.5.2.3	0.865	0.312	15262-20-1	PCI/G		0.290	0.500	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.295	0.361	13967-48-1	PCI/G U		0.715	0.800	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Silver-110m	EML HASL 300, 4.5.2.3	0.00671	0.0448		PCI/G U		0.0831	0.080	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.00928	0.0527	13966-32-0	PCI/G U		0.0965	0.080	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Thallium-208	EML HASL 300, 4.5.2.3	0.266	0.0926	14913-50-9	PCI/G		0.0726	0.080	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Thorium-230	EML HASL 300, 4.5.2.3	0.829	0.192	14269-63-7	PCI/G		0.133	1.00	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Thorium-232	EML HASL 300, 4.5.2.3	0.800	0.136	7440-29-1	PCI/G		0.0838	0.500	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Thorium-234	EML HASL 300, 4.5.2.3	1.40	1.01	15065-10-8	PCI/G		0.901	2.00	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Tin-113	EML HASL 300, 4.5.2.3	-0.0283	0.0502	13966-06-8	PCI/G U		0.0836	0.100	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Uranium-234	EML HASL 300, 4.5.2.3	0.799	0.252	13966-29-5	PCI/G		0.198	1.00	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Uranium-235	EML HASL 300, 4.5.2.3	0.0455	0.254	15117-96-1	PCI/G U		0.335	0.500	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Uranium-238	EML HASL 300, 4.5.2.3	1.40	1.01	7440-61-1	PCI/G		0.901	1.00	
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Yttrium-88	EML HASL 300, 4.5.2.3	-0.00843	0.0384	13982-36-0	PCI/G U		0.0753	0.100	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Zinc-65	EML HASL 300, 4.5.2.3	0.111	0.111	13982-39-3	PCI/G U		0.209	0.300	U
IGLOO 805-SB14; 4-6in	SAMPLE	08/11/03	08/26/03	08/27/03	09/29/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0974	0.123	13967-71-0	PCI/G U		0.240	0.200	U
IGLOO 805-SB15; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/29/03	Actinium-228	EML HASL 300, 4.5.2.3	1.46	0.406	14331-83-0	PCI/G		0.314	0.800	
IGLOO 805-SB15; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/29/03	Americium-241	EML HASL 300, 4.5.2.3	0.00589	0.109	14596-10-2	PCI/G U		0.178	0.200	U
IGLOO 805-SB15; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/29/03	Antimony-124	EML HASL 300, 4.5.2.3	0.00603	0.0824	14683-10-4	PCI/G U		0.129	0.100	U
IGLOO 805-SB15; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/29/03	Antimony-125	EML HASL 300, 4.5.2.3	0.0427	0.116	14234-35-6	PCI/G U		0.214	0.200	U
IGLOO 805-SB15; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/29/03	Barium-133	EML HASL 300, 4.5.2.3	0.00653	0.0557	13981-41-4	PCI/G U		0.0901	0.100	U
IGLOO 805-SB15; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/29/03	Barium-140	EML HASL 300, 4.5.2.3	-0.933	2.16	14798-08-4	PCI/G U		3.69	0.500	U
IGLOO 805-SB15; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/29/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.249	0.617	13966-02-4	PCI/G U		1.08	0.700	U
IGLOO 805-SB15; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/29/03	Bismuth-212	EML HASL 300, 4.5.2.3	1.00	0.742	14913-49-6	PCI/G		0.598	0.500	
IGLOO 805-SB15; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/29/03	Bismuth-214	EML HASL 300, 4.5.2.3	1.53	0.280	14733-03-0	PCI/G		0.158	0.200	
IGLOO 805-SB15; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/29/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.0499	0.0441		PCI/G U		0.0723	0.050	U
IGLOO 805-SB15; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/29/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0725	0.173	13967-74-3	PCI/G U		0.276	0.100	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator Qualifier
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.566	0.248	14913-49-6	PCI/G		0.259	0.500	
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.768	0.125	14733-03-0	PCI/G		0.0594	0.200	
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5.2.3	0.00789	0.0167		PCI/G	U	0.0305	0.050	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5.2.3	-0.0214	0.0634	13967-74-3	PCI/G	U	0.113	0.100	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.0124	0.108	14762-78-8	PCI/G	U	0.193	0.500	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5.2.3	0.0216	0.0448	13967-70-9	PCI/G	U	0.0463	0.100	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5.2.3	0.0388	0.364	14234-29-8	PCI/G	U	0.643	0.300	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5.2.3	0.0188	0.0197	10045-97-3	PCI/G	U	0.0349	0.100	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5.2.3	0.000838	0.403	14392-02-0	PCI/G	U	0.703	0.600	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.00513	0.0279		PCI/G	U	0.0505	0.100	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.00566	0.0128	13981-50-5	PCI/G	U	0.0229	0.050	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0194	0.0279	13981-38-9	PCI/G	U	0.0468	0.100	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.00261	0.0203	10198-40-0	PCI/G	U	0.0372	0.100	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5.2.3	0.00177	0.0504	14683-23-9	PCI/G	U	0.0874	0.200	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5.2.3	-0.0367	0.059	15585-10-1	PCI/G	U	0.102	0.500	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5.2.3	0.0468	0.0512	14391-16-3	PCI/G	U	0.0964	0.500	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00458	0.0229	14694-69-0	PCI/G	U	0.0403	0.100	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	0.022	0.0834	14596-12-4	PCI/G	U	0.150	0.300	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	0.337	2.00	14255-04-0	PCI/G	U	3.46	4.00	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	0.778	0.104	15092-94-1	PCI/G		0.0553	0.100	
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	1.00	0.150	15067-28-4	PCI/G		0.0573	0.100	
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	0.0274	0.0213	13966-31-9	PCI/G	U	0.0412	0.100	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	-0.0307	0.0349	13982-78-0	PCI/G	U	0.058	0.100	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	-0.554	2.20	14269-74-0	PCI/G	U	3.95	1000	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.0464	0.0919	13968-59-7	PCI/G	U	0.170	2.00	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	0.00375	0.0176	14681-63-1	PCI/G	U	0.032	1.00	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0321	0.0539	13967-76-5	PCI/G	U	0.0896	0.050	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	16.6	1.86	13966-00-2	PCI/G		0.335	1.00	
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	-0.0145	0.0199		PCI/G	U	0.0336	0.080	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	0.00399	0.0218		PCI/G	U	0.0404	1.00	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	0.768	0.125	13982-63-3	PCI/G		0.0594	1.00	
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	0.783	0.181	15262-20-1	PCI/G		0.138	0.500	
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	-0.0112	0.174	13967-48-1	PCI/G	U	0.314	0.800	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.0125	0.0189		PCI/G	U	0.0323	0.080	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.0134	0.0214	13966-32-0	PCI/G	U	0.0372	0.080	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.205	0.0494	14913-50-9	PCI/G		0.0335	0.080	
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	0.767	0.125	14269-63-7	PCI/G		0.0594	1.00	
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	0.742	0.0988	7440-29-1	PCI/G		0.0527	0.500	
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	1.64	1.32	15065-10-8	PCI/G		1.12	2.00	
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	0.00502	0.0292	13966-06-8	PCI/G	U	0.0455	0.100	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	0.999	0.198	13966-29-5	PCI/G		0.113	1.00	
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.077	0.102	15117-96-1	PCI/G	U	0.187	0.500	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	1.64	1.32	7440-61-1	PCI/G		1.12	1.00	
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.0224	0.0206	13982-36-0	PCI/G	U	0.0465	0.100	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0492	0.0575	13982-39-3	PCI/G	U	0.0971	0.300	U
IGLOO 805-SB15-1; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.0277	0.0534	13967-71-0	PCI/G	U	0.0916	0.200	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Actinium-228	EML HASL 300, 4.5.2.3	0.781	0.183	14331-83-0	PCI/G		0.138	0.800	
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Americium-241	EML HASL 300, 4.5.2.3	0.0178	0.221	14596-10-2	PCI/G	U	0.282	0.200	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Antimony-124	EML HASL 300, 4.5.2.3	0.00262	0.0332	14683-10-4	PCI/G	U	0.0609	0.100	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.0328	0.0574	14234-35-6	PCI/G	U	0.0978	0.200	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Barium-133	EML HASL 300, 4.5.2.3	0.0156	0.0298	13981-41-4	PCI/G	U	0.0482	0.100	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Barium-140	EML HASL 300, 4.5.2.3	0.0344	0.916	14798-08-4	PCI/G U		1.69	0.500	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.0201	0.307	13966-02-4	PCI/G U		0.536	0.700	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.400	0.370	14913-49-6	PCI/G		0.310	0.500	
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5.2.3	1.00	0.137	14733-03-0	PCI/G		0.0716	0.200	
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5.2.3	0.0162	0.0277		PCI/G U		0.0461	0.050	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0093	0.0866	13967-74-3	PCI/G U		0.161	0.100	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5.2.3	0.0145	0.154	14762-78-8	PCI/G U		0.287	0.500	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.0424	13967-70-9	PCI/G UUI		0.0556	0.100	UJ
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.164	0.374	14234-29-8	PCI/G U		0.639	0.300	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5.2.3	0.00367	0.0231	10045-97-3	PCI/G U		0.0424	0.100	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.458	0.558	14392-02-0	PCI/G U		0.958	0.600	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.0031	0.0314		PCI/G U		0.0569	0.100	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.0137	0.0192	13981-50-5	PCI/G U		0.0351	0.050	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0237	0.0322	13981-38-9	PCI/G U		0.0548	0.100	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.01	0.0245	10198-40-0	PCI/G U		0.0434	0.100	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5.2.3	0.00854	0.0619	14683-23-9	PCI/G U		0.111	0.200	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5.2.3	0.00611	0.0787	15585-10-1	PCI/G U		0.138	0.500	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5.2.3	-0.00074	0.0779	14391-16-3	PCI/G U		0.147	0.500	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	0.0157	0.0315	14694-69-0	PCI/G U		0.0533	0.100	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	-0.0143	0.097	14596-12-4	PCI/G U		0.169	0.300	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	2.98	7.42	14255-04-0	PCI/G U		12.4	4.00	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	1.10	0.121	15092-94-1	PCI/G		0.0701	0.100	
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	1.32	0.169	15067-28-4	PCI/G		0.0764	0.100	
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.000403	0.0235	13966-31-9	PCI/G U		0.0422	0.100	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	0.078	0.0458	13982-78-0	PCI/G U		0.0873	0.100	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	-1.69	2.52	14269-74-0	PCI/G U		4.45	1000	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.0535	0.135	13968-59-7	PCI/G U		0.255	2.00	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	-0.00641	0.0198	14681-63-1	PCI/G U		0.0352	1.00	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	0.108	0.0648	13967-76-5	PCI/G U		0.115	0.050	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	18.8	1.49	13966-00-2	PCI/G		0.354	1.00	
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	0.00887	0.0219		PCI/G U		0.0406	0.080	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	0.000262	0.0265		PCI/G U		0.0466	1.00	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	1.00	0.137	13982-63-3	PCI/G		0.0716	1.00	
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	0.781	0.183	15262-20-1	PCI/G		0.138	0.500	
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	-0.0208	0.196	13967-48-1	PCI/G U		0.357	0.800	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.00782	0.0214		PCI/G U		0.0381	0.080	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	0.00213	0.0286	13966-32-0	PCI/G U		0.0504	0.080	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.303	0.0494	14913-50-9	PCI/G		0.0421	0.080	
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	1.00	0.137	14269-63-7	PCI/G		0.0716	1.00	
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	1.04	0.116	7440-29-1	PCI/G		0.0668	0.500	
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	3.48	2.93	15065-10-8	PCI/G		2.25	2.00	J
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	-0.0102	0.0335	13966-06-8	PCI/G U		0.0584	0.100	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	1.28	0.230	13966-29-5	PCI/G		0.157	1.00	
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.197	0.148	15117-96-1	PCI/G U		0.277	0.500	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	3.48	2.93	7440-61-1	PCI/G		2.25	1.00	J
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.00198	0.0245	13982-36-0	PCI/G U		0.0464	0.100	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	-0.144	0.0719	13982-39-3	PCI/G U		0.106	0.300	U
IGLOO 805-SB15-2; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0405	0.0616	13967-71-0	PCI/G U		0.116	0.200	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Actinium-228	EML HASL 300, 4.5.2.3	0.601	0.135	14331-83-0	PCI/G		0.0925	0.800	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0116	0.0694	14596-10-2	PCI/G U		0.121	0.200	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.0162	0.041	14683-10-4	PCI/G U		0.0416	0.100	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Antimony-125	EML HASL 300, 4.5.2.3	0.00869	0.0374	14234-35-6	PCI/G	U	0.0689	0.200	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0056	0.0199	13981-41-4	PCI/G	U	0.0314	0.100	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Barium-140	EML HASL 300, 4.5.2.3	0.154	0.753	14798-08-4	PCI/G	U	1.43	0.500	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Beryllium-7	EML HASL 300, 4.5.2.3	0.0497	0.215	13966-02-4	PCI/G	U	0.392	0.700	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.362	0.214	14913-49-6	PCI/G		0.230	0.500	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.744	0.106	14733-03-0	PCI/G		0.0515	0.200	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5.2.3	0.00669	0.0157		PCI/G	U	0.0288	0.050	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0588	0.0992	13967-74-3	PCI/G	U	0.109	0.100	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.00517	0.0963	14762-78-8	PCI/G	U	0.177	0.500	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.0337	13967-70-9	PCI/G	UUI	0.0386	0.100	UJ
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5.2.3	0.200	0.336	14234-29-8	PCI/G	U	0.622	0.300	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5.2.3	0.039	0.0199	10045-97-3	PCI/G		0.0298	0.100	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.0146	0.393	14392-02-0	PCI/G	U	0.727	0.600	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.00757	0.022		PCI/G	U	0.041	0.100	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.00344	0.0127	13981-50-5	PCI/G	U	0.0233	0.050	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5.2.3	0.00145	0.026	13981-38-9	PCI/G	U	0.0412	0.100	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5.2.3	0.00858	0.0166	10198-40-0	PCI/G	U	0.0318	0.100	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5.2.3	-0.00531	0.0391	14683-23-9	PCI/G	U	0.0716	0.200	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5.2.3	0.0263	0.0499	15585-10-1	PCI/G	U	0.0948	0.500	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5.2.3	0.0587	0.0452	14391-16-3	PCI/G	U	0.0882	0.500	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00359	0.0204	14694-69-0	PCI/G	U	0.0381	0.100	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	-0.0525	0.062	14596-12-4	PCI/G	U	0.107	0.300	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	0.693	1.60	14255-04-0	PCI/G	U	2.92	4.00	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	0.756	0.0809	15092-94-1	PCI/G		0.0429	0.100	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	0.885	0.115	15067-28-4	PCI/G		0.052	0.100	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	0.00783	0.0179	13966-31-9	PCI/G	U	0.0332	0.100	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	0.00	0.0622	13982-78-0	PCI/G	UUI	0.0537	0.100	UJ
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	-0.579	2.48	14269-74-0	PCI/G	U	4.35	1000	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.0838	0.0833	13968-59-7	PCI/G	U	0.150	2.00	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	0.0139	0.0142	14681-63-1	PCI/G	U	0.0274	1.00	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0499	0.0729	13967-76-5	PCI/G	U	0.0701	0.050	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	12.9	1.12	13966-00-2	PCI/G		0.211	1.00	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	-0.00515	0.0153		PCI/G	U	0.0275	0.080	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	-0.00158	0.0181		PCI/G	U	0.0325	1.00	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	0.744	0.106	13982-63-3	PCI/G		0.0515	1.00	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	0.601	0.135	15262-20-1	PCI/G		0.0925	0.500	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.0359	0.144	13967-48-1	PCI/G	U	0.271	0.800	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.000745	0.0182		PCI/G	U	0.0291	0.080	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	0.00942	0.0182	13966-32-0	PCI/G	U	0.0345	0.080	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.211	0.044	14913-50-9	PCI/G		0.028	0.080	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	0.744	0.106	14269-63-7	PCI/G		0.0515	1.00	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	0.718	0.0768	7440-29-1	PCI/G		0.0407	0.500	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	1.99	1.41	15065-10-8	PCI/G		0.966	2.00	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	-0.00132	0.0228	13966-06-8	PCI/G	U	0.0415	0.100	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	0.936	0.172	13966-29-5	PCI/G		0.110	1.00	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.125	0.207	15117-96-1	PCI/G	U	0.178	0.500	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	1.99	1.41	7440-61-1	PCI/G		0.966	1.00	
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.0116	0.0187	13982-36-0	PCI/G	U	0.0382	0.100	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0364	0.0478	13982-39-3	PCI/G	U	0.0811	0.300	U
IGLOO 806-SB16; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.00399	0.0443	13967-71-0	PCI/G	U	0.0803	0.200	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Actinium-228	EML HASL 300, 4.5.2.3	0.780	0.177	14331-83-0	PCI/G		0.128	0.800	

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0584	0.0985	14596-10-2	PCI/G	U	0.167	0.200	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.0215	0.0275	14683-10-4	PCI/G	U	0.0472	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Antimony-125	EML HASL 300, 4.5.2.3	0.0218	0.0505	14234-35-6	PCI/G	U	0.0893	0.200	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Barium-133	EML HASL 300, 4.5.2.3	-4.140E-05	0.0236	13981-41-4	PCI/G	U	0.0367	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Barium-140	EML HASL 300, 4.5.2.3	-0.864	0.943	14798-08-4	PCI/G	U	1.54	0.500	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.0996	0.278	13966-02-4	PCI/G	U	0.464	0.700	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.696	0.249	14913-49-6	PCI/G	U	0.288	0.500	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.845	0.129	14733-03-0	PCI/G	U	0.0572	0.200	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.00646	0.0175		PCI/G	U	0.0313	0.050	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0332	0.107	13967-74-3	PCI/G	U	0.121	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.0502	0.109	14762-78-8	PCI/G	U	0.196	0.500	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5.2.3	0.0596	0.0356	13967-70-9	PCI/G	U	0.0467	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5.2.3	0.168	0.431	14234-29-8	PCI/G	U	0.778	0.300	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5.2.3	0.100	0.0316	10045-97-3	PCI/G	U	0.0347	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.114	0.479	14392-02-0	PCI/G	U	0.830	0.600	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.00546	0.032		PCI/G	U	0.0509	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.0202	0.0294	13981-50-5	PCI/G	U	0.0254	0.050	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0468	0.0289	13981-38-9	PCI/G	U	0.0436	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5.2.3	0.00306	0.0212	10198-40-0	PCI/G	U	0.0394	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5.2.3	-0.0336	0.0501	14683-23-9	PCI/G	U	0.084	0.200	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5.2.3	0.0278	0.0639	15585-10-1	PCI/G	U	0.121	0.500	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5.2.3	0.00	0.0945	14391-16-3	PCI/G	UUI	0.0921	0.500	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00159	0.024	14694-69-0	PCI/G	U	0.0424	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	-0.00472	0.0927	14596-12-4	PCI/G	U	0.160	0.300	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	7.51	9.75	14255-04-0	PCI/G	U	6.32	4.00	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	0.913	0.103	15092-94-1	PCI/G	U	0.0511	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	0.995	0.130	15067-28-4	PCI/G	U	0.058	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	0.0185	0.0202	13966-31-9	PCI/G	U	0.0383	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	0.0404	0.0514	13982-78-0	PCI/G	U	0.0599	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	0.165	2.97	14269-74-0	PCI/G	U	5.45	1000	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.0757	0.102	13968-59-7	PCI/G	U	0.165	2.00	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	-0.0119	0.0165	14681-63-1	PCI/G	U	0.028	1.00	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0101	0.0566	13967-76-5	PCI/G	U	0.0903	0.050	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	17.7	1.51	13966-00-2	PCI/G	U	0.358	1.00	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	-0.000638	0.0181		PCI/G	U	0.0325	0.080	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	0.0164	0.0221		PCI/G	U	0.040	1.00	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	0.845	0.129	13982-63-3	PCI/G	U	0.0572	1.00	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	0.780	0.177	15262-20-1	PCI/G	U	0.128	0.500	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	-0.0323	0.162	13967-48-1	PCI/G	U	0.290	0.800	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.00886	0.0225		PCI/G	U	0.0344	0.080	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	0.0101	0.0233	13966-32-0	PCI/G	U	0.0441	0.080	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.273	0.0469	14913-50-9	PCI/G	U	0.0343	0.080	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	0.845	0.129	14269-63-7	PCI/G	U	0.0572	1.00	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	0.867	0.0982	7440-29-1	PCI/G	U	0.0485	0.500	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	1.51	1.35	15065-10-8	PCI/G	U	1.30	2.00	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	-0.00192	0.0301	13966-06-8	PCI/G	U	0.0519	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	1.05	0.186	13966-29-5	PCI/G	U	0.113	1.00	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.061	0.197	15117-96-1	PCI/G	U	0.193	0.500	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	1.51	1.35	7440-61-1	PCI/G	U	1.30	1.00	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	-0.00208	0.0231	13982-36-0	PCI/G	U	0.037	0.100	U
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0238	0.0535	13982-39-3	PCI/G	U	0.0962	0.300	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator Qualifier
IGLOO 806-SB17; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.0252	0.0505	13967-71-0	PCI/G U		0.0869	0.200	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Actinium-228	EML HASL 300, 4.5.2.3	1.22	0.245	14331-83-0	PCI/G U		0.145	0.800	
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0361	0.117	14596-10-2	PCI/G U		0.191	0.200	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Antimony-124	EML HASL 300, 4.5.2.3	0.0287	0.0335	14683-10-4	PCI/G U		0.0613	0.100	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Antimony-125	EML HASL 300, 4.5.2.3	0.0594	0.0586	14234-35-6	PCI/G U		0.109	0.200	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0109	0.0286	13981-41-4	PCI/G U		0.0446	0.100	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Barium-140	EML HASL 300, 4.5.2.3	0.238	0.850	14798-08-4	PCI/G U		1.52	0.500	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.0432	0.277	13966-02-4	PCI/G U		0.490	0.700	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5.2.3	1.05	0.330	14913-49-6	PCI/G U		0.309	0.500	
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5.2.3	1.91	0.261	14733-03-0	PCI/G U		0.0716	0.200	
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.00678	0.0243		PCI/G U		0.0373	0.050	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0183	0.0765	13967-74-3	PCI/G U		0.135	0.100	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.0237	0.142	14762-78-8	PCI/G U		0.249	0.500	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.047	13967-70-9	PCI/G UUI		0.053	0.100	UJ
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.0677	0.316	14234-29-8	PCI/G U		0.563	0.300	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5.2.3	0.0276	0.0271	10045-97-3	PCI/G U		0.0438	0.100	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.367	0.519	14392-02-0	PCI/G U		0.845	0.600	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.0237	0.0312		PCI/G U		0.0567	0.100	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.00818	0.0174	13981-50-5	PCI/G U		0.0312	0.050	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0153	0.0318	13981-38-9	PCI/G U		0.0533	0.100	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.00305	0.0226	10198-40-0	PCI/G U		0.0401	0.100	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5.2.3	0.00175	0.057	14683-23-9	PCI/G U		0.103	0.200	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5.2.3	0.0462	0.054	15585-10-1	PCI/G U		0.137	0.500	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5.2.3	0.0291	0.0703	14391-16-3	PCI/G U		0.127	0.500	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	0.0199	0.0298	14694-69-0	PCI/G U		0.0517	0.100	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	-0.0216	0.0864	14596-12-4	PCI/G U		0.153	0.300	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	2.30	2.84	14255-04-0	PCI/G U		4.83	4.00	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	1.34	0.162	15092-94-1	PCI/G U		0.0592	0.100	
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	2.14	0.270	15067-28-4	PCI/G U		0.0743	0.100	
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	0.0128	0.0239	13966-31-9	PCI/G U		0.0427	0.100	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	0.00	0.0629	13982-78-0	PCI/G UUI		0.0657	0.100	UJ
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	0.162	2.13	14269-74-0	PCI/G U		4.26	1000	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.0111	0.123	13968-59-7	PCI/G U		0.218	2.00	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	0.0174	0.0297	14681-63-1	PCI/G U		0.0348	1.00	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0785	0.0624	13967-76-5	PCI/G U		0.103	0.050	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	21.4	2.25	13966-00-2	PCI/G U		0.352	1.00	
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	0.00952	0.0217		PCI/G U		0.0388	0.080	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	0.0241	0.0258		PCI/G U		0.0479	1.00	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	1.91	0.261	13982-63-3	PCI/G U		0.0716	1.00	
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	1.22	0.245	15262-20-1	PCI/G U		0.145	0.500	
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.0913	0.188	13967-48-1	PCI/G U		0.342	0.800	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	0.0199	0.0239		PCI/G U		0.0394	0.080	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	0.0168	0.0196	13966-32-0	PCI/G U		0.0499	0.080	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.349	0.0699	14913-50-9	PCI/G U		0.0383	0.080	
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	1.91	0.261	14269-63-7	PCI/G U		0.0716	1.00	
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	1.28	0.155	7440-29-1	PCI/G U		0.0565	0.500	
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	2.15	1.66	15065-10-8	PCI/G U		1.59	2.00	
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	0.00241	0.0356	13966-06-8	PCI/G U		0.0567	0.100	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	2.18	0.336	13966-29-5	PCI/G U		0.160	1.00	
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.0516	0.131	15117-96-1	PCI/G U		0.232	0.500	U
IGLOO 806-SB18; 0.5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	2.15	1.66	7440-61-1	PCI/G U		1.59	1.00	

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 806-SB18; 0 5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5 2.3	-0.00944	0.020	13982-36-0	PCI/G	U	0.034	0.100	U
IGLOO 806-SB18; 0 5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5 2.3	-0.0765	0.0697	13982-39-3	PCI/G	U	0.0964	0.300	U
IGLOO 806-SB18; 0 5-2	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5 2.3	0.0565	0.0642	13967-71-0	PCI/G	U	0.117	0.200	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Actinium-228	EML HASL 300, 4.5 2.3	1.06	0.297	14331-83-0	PCI/G		0.302	0.800	
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Americium-241	EML HASL 300, 4.5 2.3	-0.072	0.224	14596-10-2	PCI/G	U	0.356	0.200	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Antimony-124	EML HASL 300, 4.5 2.3	0.000493	0.0647	14683-10-4	PCI/G	U	0.111	0.100	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Antimony-125	EML HASL 300, 4.5 2.3	-0.0139	0.121	14234-35-6	PCI/G	U	0.209	0.200	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Barium-133	EML HASL 300, 4.5 2.3	0.0328	0.0531	13981-41-4	PCI/G	U	0.0896	0.100	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Barium-140	EML HASL 300, 4.5 2.3	0.204	1.84	14798-08-4	PCI/G	U	2.81	0.500	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Beryllium-7	EML HASL 300, 4.5 2.3	0.0902	0.838	13966-02-4	PCI/G	U	0.942	0.700	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5 2.3	0.672	0.489	14913-49-6	PCI/G		0.595	0.500	
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5 2.3	14.6	1.72	14733-03-0	PCI/G		0.132	0.200	
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5 2.3	0.00897	0.0466		PCI/G	U	0.0793	0.050	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5 2.3	0.00	0.247	13967-74-3	PCI/G	UUI	0.286	0.100	UJ
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5 2.3	0.0303	0.282	14762-78-8	PCI/G	U	0.484	0.500	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5 2.3	0.070	0.0475	13967-70-9	PCI/G	U	0.088	0.100	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5 2.3	0.212	1.02	14234-29-8	PCI/G	U	1.09	0.300	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5 2.3	0.326	0.0734	10045-97-3	PCI/G		0.0712	0.100	
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5 2.3	0.683	1.05	14392-02-0	PCI/G	U	1.75	0.600	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5 2.3	0.0541	0.0651		PCI/G	U	0.113	0.100	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5 2.3	0.0513	0.0526	13981-50-5	PCI/G	U	0.0586	0.050	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5 2.3	-0.0269	0.0735	13981-38-9	PCI/G	U	0.105	0.100	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5 2.3	0.0128	0.0494	10198-40-0	PCI/G	U	0.0867	0.100	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5 2.3	0.0182	0.132	14683-23-9	PCI/G	U	0.217	0.200	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5 2.3	-0.0904	0.145	15585-10-1	PCI/G	U	0.242	0.500	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5 2.3	0.077	0.130	14391-16-3	PCI/G	U	0.228	0.500	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5 2.3	-0.0504	0.0606	14694-69-0	PCI/G	U	0.0968	0.100	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5 2.3	-0.0847	0.179	14596-12-4	PCI/G	U	0.305	0.300	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5 2.3	7.37	8.07	14255-04-0	PCI/G	U	9.32	4.00	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5 2.3	1.14	0.164	15092-94-1	PCI/G		0.123	0.100	
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5 2.3	16.8	1.94	15067-28-4	PCI/G		0.158	0.100	
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5 2.3	0.0254	0.077	13966-31-9	PCI/G	U	0.084	0.100	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5 2.3	-0.0437	0.0868	13982-78-0	PCI/G	U	0.142	0.100	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5 2.3	1.97	5.29	14269-74-0	PCI/G	U	8.18	1000	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5 2.3	-0.0185	0.235	13968-59-7	PCI/G	U	0.405	2.00	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5 2.3	0.00	0.0601	14681-63-1	PCI/G	UUI	0.0613	1.00	UJ
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5 2.3	0.00	0.145	13967-76-5	PCI/G	UUI	0.232	0.050	UJ
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5 2.3	24.5	3.03	13966-00-2	PCI/G		0.853	1.00	
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5 2.3	-0.00495	0.0397		PCI/G	U	0.0671	0.080	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5 2.3	0.00	0.102		PCI/G	UUI	0.0988	1.00	UJ
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5 2.3	14.6	1.72	13982-63-3	PCI/G		0.132	1.00	
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5 2.3	1.06	0.297	15262-20-1	PCI/G		0.302	0.500	
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5 2.3	-0.161	0.356	13967-48-1	PCI/G	U	0.596	0.800	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5 2.3	-0.0263	0.0465		PCI/G	U	0.0671	0.080	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5 2.3	-0.0329	0.0527	13966-32-0	PCI/G	U	0.0879	0.080	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5 2.3	0.398	0.0826	14913-50-9	PCI/G		0.073	0.080	
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5 2.3	14.6	1.72	14269-63-7	PCI/G		0.132	1.00	
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5 2.3	1.09	0.156	7440-29-1	PCI/G		0.117	0.500	
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5 2.3	2.37	2.86	15065-10-8	PCI/G	U	2.94	2.00	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5 2.3	-0.0893	0.075	13966-06-8	PCI/G	U	0.116	0.100	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5 2.3	17.2	2.07	13966-29-5	PCI/G		0.283	1.00	

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.581	0.431	15117-96-1	PCI/G		0.461	0.500	
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	2.37	2.86	7440-61-1	PCI/G	U	2.94	1.00	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.0556	0.0624	13982-36-0	PCI/G	U	0.104	0.100	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	-0.0367	0.131	13982-39-3	PCI/G	U	0.195	0.300	U
IGLOO 806-SB18; 0-0.5	SAMPLE	08/12/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.0545	0.119	13967-71-0	PCI/G	U	0.196	0.200	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Actinium-228	EML HASL 300, 4.5.2.3	1.04	0.220	14331-83-0	PCI/G		0.128	0.800	
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0121	0.0838	14596-10-2	PCI/G	U	0.141	0.200	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.00233	0.0298	14683-10-4	PCI/G	U	0.052	0.100	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Antimony-125	EML HASL 300, 4.5.2.3	0.00975	0.0478	14234-35-6	PCI/G	U	0.0868	0.200	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Barium-133	EML HASL 300, 4.5.2.3	0.0124	0.0227	13981-41-4	PCI/G	U	0.0378	0.100	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Barium-140	EML HASL 300, 4.5.2.3	-0.149	0.788	14798-08-4	PCI/G	U	1.38	0.500	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Beryllium-7	EML HASL 300, 4.5.2.3	0.121	0.259	13966-02-4	PCI/G	U	0.473	0.700	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.769	0.285	14913-49-6	PCI/G		0.245	0.500	
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.793	0.115	14733-03-0	PCI/G		0.0625	0.200	
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.00671	0.0175		PCI/G	U	0.0306	0.050	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0136	0.0733	13967-74-3	PCI/G	U	0.109	0.100	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.0396	0.110	14762-78-8	PCI/G	U	0.196	0.500	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.0382	13967-70-9	PCI/G	UUI	0.0488	0.100	UJ
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.248	0.432	14234-29-8	PCI/G	U	0.625	0.300	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5.2.3	0.387	0.0574	10045-97-3	PCI/G		0.0346	0.100	
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.244	0.448	14392-02-0	PCI/G	U	0.799	0.600	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5.2.3	-0.0139	0.026		PCI/G	U	0.0455	0.100	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.014	0.0208	13981-50-5	PCI/G	U	0.0239	0.050	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0246	0.0346	13981-38-9	PCI/G	U	0.051	0.100	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.00475	0.0222	10198-40-0	PCI/G	U	0.0385	0.100	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5.2.3	0.00	0.0695	14683-23-9	PCI/G	UUI	0.0883	0.200	UJ
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5.2.3	-0.0509	0.068	15585-10-1	PCI/G	U	0.111	0.500	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5.2.3	0.0543	0.0522	14391-16-3	PCI/G	U	0.0981	0.500	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00683	0.0234	14694-69-0	PCI/G	U	0.0433	0.100	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	-0.0491	0.090	14596-12-4	PCI/G	U	0.153	0.300	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	1.46	2.15	14255-04-0	PCI/G	U	3.80	4.00	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	1.12	0.134	15092-94-1	PCI/G		0.0522	0.100	
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	0.999	0.136	15067-28-4	PCI/G		0.0608	0.100	
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	0.0212	0.021	13966-31-9	PCI/G	U	0.0402	0.100	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	0.0485	0.0522	13982-78-0	PCI/G	U	0.0569	0.100	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	1.05	2.44	14269-74-0	PCI/G	U	4.43	1000	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.0293	0.0894	13968-59-7	PCI/G	U	0.164	2.00	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	0.00553	0.0184	14681-63-1	PCI/G	U	0.0324	1.00	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0159	0.0556	13967-76-5	PCI/G	U	0.0969	0.050	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	22.3	1.69	13966-00-2	PCI/G		0.341	1.00	
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	0.00864	0.0197		PCI/G	U	0.0351	0.080	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	0.0278	0.0248		PCI/G	U	0.0463	1.00	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	0.793	0.115	13982-63-3	PCI/G		0.0625	1.00	
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	1.04	0.220	15262-20-1	PCI/G		0.128	0.500	
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.215	0.186	13967-48-1	PCI/G	U	0.345	0.800	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.00322	0.031		PCI/G	U	0.0333	0.080	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.0186	0.0247	13966-32-0	PCI/G	U	0.0405	0.080	U
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.364	0.0594	14913-50-9	PCI/G		0.0345	0.080	
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	0.793	0.115	14269-63-7	PCI/G		0.0625	1.00	
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	1.07	0.127	7440-29-1	PCI/G		0.0497	0.500	
IGLOO 806-SB19; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	0.429	1.10	15065-10-8	PCI/G	U	1.14	2.00	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 806-SB20; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	1.14	0.187	7440-29-1	PCI/G		0.0597	0.500	
IGLOO 806-SB20; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	3.29	1.03	15065-10-8	PCI/G		0.655	2.00	
IGLOO 806-SB20; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	0.0135	0.0504	13966-06-8	PCI/G	U	0.064	0.100	U
IGLOO 806-SB20; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	6.58	1.02	13966-29-5	PCI/G		0.139	1.00	
IGLOO 806-SB20; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.465	0.287	15117-96-1	PCI/G		0.261	0.500	
IGLOO 806-SB20; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	3.29	1.03	7440-61-1	PCI/G		0.655	1.00	
IGLOO 806-SB20; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.0188	0.0127	13982-36-0	PCI/G	U	0.0497	0.100	U
IGLOO 806-SB20; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0187	0.0774	13982-39-3	PCI/G	U	0.122	0.300	U
IGLOO 806-SB20; 0.5-2	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0777	0.0686	13967-71-0	PCI/G	U	0.126	0.200	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Actinium-228	EML HASL 300, 4.5.2.3	1.01	0.322	14331-83-0	PCI/G		0.244	0.800	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0526	0.202	14596-10-2	PCI/G	U	0.354	0.200	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.0407	0.0592	14683-10-4	PCI/G	U	0.0985	0.100	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Antimony-125	EML HASL 300, 4.5.2.3	0.187	0.151	14234-35-6	PCI/G	U	0.207	0.200	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Barium-133	EML HASL 300, 4.5.2.3	0.0183	0.0529	13981-41-4	PCI/G	U	0.0825	0.100	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Barium-140	EML HASL 300, 4.5.2.3	-0.668	1.96	14798-08-4	PCI/G	U	2.88	0.500	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.266	0.619	13966-02-4	PCI/G	U	0.922	0.700	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.237	0.330	14913-49-6	PCI/G	U	0.492	0.500	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5.2.3	15.9	1.79	14733-03-0	PCI/G		0.116	0.200	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.0135	0.054		PCI/G	U	0.0804	0.050	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5.2.3	0.00	0.235	13967-74-3	PCI/G	UUI	0.302	0.100	UJ
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5.2.3	0.00599	0.282	14762-78-8	PCI/G	U	0.480	0.500	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5.2.3	0.0424	0.0472	13967-70-9	PCI/G	U	0.0729	0.100	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.774	0.665	14234-29-8	PCI/G	U	1.10	0.300	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5.2.3	0.356	0.0654	10045-97-3	PCI/G		0.0632	0.100	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5.2.3	0.882	1.11	14392-02-0	PCI/G	U	1.76	0.600	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.00148	0.0563		PCI/G	U	0.0945	0.100	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.037	0.0425	13981-50-5	PCI/G	U	0.0601	0.050	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5.2.3	0.0462	0.0628	13981-38-9	PCI/G	U	0.0961	0.100	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.0283	0.0481	10198-40-0	PCI/G	U	0.0689	0.100	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5.2.3	-0.0961	0.116	14683-23-9	PCI/G	U	0.200	0.200	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5.2.3	0.00603	0.140	15585-10-1	PCI/G	U	0.211	0.500	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5.2.3	-0.0522	0.130	14391-16-3	PCI/G	U	0.223	0.500	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	-0.0591	0.056	14694-69-0	PCI/G	U	0.096	0.100	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	-0.125	0.155	14596-12-4	PCI/G	U	0.260	0.300	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	16.8	9.17	14255-04-0	PCI/G		8.72	4.00	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	1.21	0.175	15092-94-1	PCI/G		0.122	0.100	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	19.4	2.21	15067-28-4	PCI/G		0.139	0.100	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.0271	0.0711	13966-31-9	PCI/G	U	0.0713	0.100	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	0.0283	0.0792	13982-78-0	PCI/G	U	0.141	0.100	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	-3.05	5.70	14269-74-0	PCI/G	U	8.35	1000	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.00541	0.237	13968-59-7	PCI/G	U	0.406	2.00	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	0.00	0.0526	14681-63-1	PCI/G	UUI	0.0643	1.00	UJ
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	0.00	0.135	13967-76-5	PCI/G	UUI	0.212	0.050	UJ
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	20.3	2.33	13966-00-2	PCI/G		0.678	1.00	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	-0.00731	0.036		PCI/G	U	0.0606	0.080	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	0.0474	0.0638		PCI/G	U	0.0866	1.00	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	15.9	1.79	13982-63-3	PCI/G		0.116	1.00	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	1.01	0.322	15262-20-1	PCI/G		0.244	0.500	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	-0.138	0.337	13967-48-1	PCI/G	U	0.567	0.800	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.000515	0.0425		PCI/G	U	0.0633	0.080	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	0.00233	0.051	13966-32-0	PCI/G	U	0.0769	0.080	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator Qualifier
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.245	0.0579	14913-50-9	PCI/G		0.0668	0.080	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	15.9	1.79	14269-63-7	PCI/G		0.116	1.00	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	1.15	0.167	7440-29-1	PCI/G		0.116	0.500	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	3.41	2.93	15065-10-8	PCI/G		2.89	2.00	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	0.00298	0.069	13966-06-8	PCI/G	U	0.106	0.100	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	19.0	2.25	13966-29-5	PCI/G		0.290	1.00	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.836	0.405	15117-96-1	PCI/G		0.467	0.500	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	3.41	2.93	7440-61-1	PCI/G		2.89	1.00	
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.0756	0.0467	13982-36-0	PCI/G	U	0.0834	0.100	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0141	0.102	13982-39-3	PCI/G	U	0.156	0.300	U
IGLOO 806-SB20; 0-0.5	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.0799	0.103	13967-71-0	PCI/G	U	0.167	0.200	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Actinium-228	EML HASL 300, 4.5.2.3	1.04	0.281	14331-83-0	PCI/G		0.190	0.800	
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Americium-241	EML HASL 300, 4.5.2.3	0.019	0.0349	14596-10-2	PCI/G	U	0.0822	0.200	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Antimony-124	EML HASL 300, 4.5.2.3	0.000635	0.0399	14683-10-4	PCI/G	U	0.0723	0.100	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.0181	0.0626	14234-35-6	PCI/G	U	0.106	0.200	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Barium-133	EML HASL 300, 4.5.2.3	0.0104	0.032	13981-41-4	PCI/G	U	0.0512	0.100	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Barium-140	EML HASL 300, 4.5.2.3	-0.43	1.21	14798-08-4	PCI/G	U	1.98	0.500	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.104	0.344	13966-02-4	PCI/G	U	0.577	0.700	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.813	0.474	14913-49-6	PCI/G		0.360	0.500	
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.797	0.159	14733-03-0	PCI/G		0.0871	0.200	
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.012	0.0216		PCI/G	U	0.0344	0.050	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5.2.3	0.060	0.0937	13967-74-3	PCI/G	U	0.129	0.100	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5.2.3	0.158	0.131	14762-78-8	PCI/G	U	0.227	0.500	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5.2.3	0.0313	0.0338	13967-70-9	PCI/G	U	0.0636	0.100	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.466	0.516	14234-29-8	PCI/G	U	0.819	0.300	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5.2.3	-0.0304	0.028	10045-97-3	PCI/G	U	0.0462	0.100	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5.2.3	0.315	0.539	14392-02-0	PCI/G	U	0.978	0.600	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.0165	0.0401		PCI/G	U	0.0735	0.100	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.0104	0.0162	13981-50-5	PCI/G	U	0.0264	0.050	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5.2.3	-3.290E-05	0.0405	13981-38-9	PCI/G	U	0.0723	0.100	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5.2.3	0.0128	0.0327	10198-40-0	PCI/G	U	0.0617	0.100	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5.2.3	-0.0457	0.0613	14683-23-9	PCI/G	U	0.102	0.200	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5.2.3	-0.00969	0.0925	15585-10-1	PCI/G	U	0.167	0.500	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5.2.3	0.0386	0.0581	14391-16-3	PCI/G	U	0.101	0.500	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	-0.027	0.0299	14694-69-0	PCI/G	U	0.0497	0.100	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	0.0485	0.125	14596-12-4	PCI/G	U	0.224	0.300	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	1.20	0.801	14255-04-0	PCI/G		0.542	4.00	
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	0.946	0.134	15092-94-1	PCI/G		0.060	0.100	
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	0.920	0.155	15067-28-4	PCI/G		0.0748	0.100	
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	0.00646	0.0332	13966-31-9	PCI/G	U	0.0592	0.100	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	0.00	0.0647	13982-78-0	PCI/G	UUI	0.0677	0.100	UJ
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	-2.66	3.51	14269-74-0	PCI/G	U	5.58	1000	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.0693	0.107	13968-59-7	PCI/G	U	0.174	2.00	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	-0.00697	0.0242	14681-63-1	PCI/G	U	0.0426	1.00	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0138	0.111	13967-76-5	PCI/G	U	0.127	0.050	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	20.3	2.23	13966-00-2	PCI/G		0.443	1.00	
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	-0.0182	0.029		PCI/G	U	0.0495	0.080	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	0.0122	0.0312		PCI/G	U	0.055	1.00	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	0.797	0.159	13982-63-3	PCI/G		0.0871	1.00	
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	1.04	0.281	15262-20-1	PCI/G		0.190	0.500	
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.177	0.243	13967-48-1	PCI/G	U	0.459	0.800	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	0.000779	0.0273		PCI/G	U	0.0494	0.080	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.00374	0.0337	13966-32-0	PCI/G	U	0.0607	0.080	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.304	0.0746	14913-50-9	PCI/G	U	0.0497	0.080	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	0.797	0.159	14269-63-7	PCI/G	U	0.0871	1.00	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	0.901	0.128	7440-29-1	PCI/G	U	0.0572	0.500	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	1.61	0.758	15065-10-8	PCI/G	U	0.559	2.00	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	-5.920E-06	0.036	13966-06-8	PCI/G	U	0.0625	0.100	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	0.954	0.204	13966-29-5	PCI/G	U	0.141	1.00	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.118	0.183	15117-96-1	PCI/G	U	0.222	0.500	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	1.61	0.758	7440-61-1	PCI/G	U	0.559	1.00	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.0327	0.0278	13982-36-0	PCI/G	U	0.0646	0.100	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	-0.000818	0.0828	13982-39-3	PCI/G	U	0.125	0.300	U
IGLOO 806-SB20; 2-4	SAMPLE	08/10/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0095	0.0827	13967-71-0	PCI/G	U	0.148	0.200	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Actinium-228	EML HASL 300, 4.5.2.3	0.960	0.208	14331-83-0	PCI/G	U	0.104	0.800	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0231	0.128	14596-10-2	PCI/G	U	0.196	0.200	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.0223	0.0307	14683-10-4	PCI/G	U	0.0521	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.0132	0.0481	14234-35-6	PCI/G	U	0.0805	0.200	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Barium-133	EML HASL 300, 4.5.2.3	0.0245	0.0238	13981-41-4	PCI/G	U	0.0376	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Barium-140	EML HASL 300, 4.5.2.3	0.582	0.899	14798-08-4	PCI/G	U	1.60	0.500	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Beryllium-7	EML HASL 300, 4.5.2.3	0.0149	0.289	13966-02-4	PCI/G	U	0.451	0.700	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.678	0.274	14913-49-6	PCI/G	U	0.237	0.500	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5.2.3	1.23	0.169	14733-03-0	PCI/G	U	0.0615	0.200	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5.2.3	0.00299	0.0226		PCI/G	U	0.0355	0.050	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0386	0.0605	13967-74-3	PCI/G	U	0.136	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.00314	0.128	14762-78-8	PCI/G	U	0.229	0.500	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5.2.3	0.0346	0.0292	13967-70-9	PCI/G	U	0.0398	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.152	0.358	14234-29-8	PCI/G	U	0.593	0.300	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5.2.3	0.392	0.0577	10045-97-3	PCI/G	U	0.0336	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.00841	0.490	14392-02-0	PCI/G	U	0.842	0.600	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5.2.3	-0.00988	0.026		PCI/G	U	0.0439	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.00301	0.016	13981-50-5	PCI/G	U	0.0287	0.050	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5.2.3	0.00546	0.0295	13981-38-9	PCI/G	U	0.0451	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5.2.3	0.0267	0.0272	10198-40-0	PCI/G	U	0.029	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5.2.3	-0.0418	0.0525	14683-23-9	PCI/G	U	0.0868	0.200	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5.2.3	-0.0279	0.0581	15585-10-1	PCI/G	U	0.0991	0.500	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5.2.3	0.0354	0.0641	14391-16-3	PCI/G	U	0.117	0.500	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00455	0.0258	14694-69-0	PCI/G	U	0.0447	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	0.0125	0.0785	14596-12-4	PCI/G	U	0.135	0.300	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	1.22	3.73	14255-04-0	PCI/G	U	5.88	4.00	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	1.07	0.132	15092-94-1	PCI/G	U	0.0541	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	1.53	0.197	15067-28-4	PCI/G	U	0.0625	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	0.00839	0.0205	13966-31-9	PCI/G	U	0.036	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	0.0275	0.0575	13982-78-0	PCI/G	U	0.0618	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	-1.23	2.61	14269-74-0	PCI/G	U	4.52	1000	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.00273	0.108	13968-59-7	PCI/G	U	0.195	2.00	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	-0.0042	0.0189	14681-63-1	PCI/G	U	0.0281	1.00	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0917	0.0576	13967-76-5	PCI/G	U	0.094	0.050	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	21.5	2.25	13966-00-2	PCI/G	U	0.253	1.00	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	-0.0078	0.0292		PCI/G	U	0.0283	0.080	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	-0.00321	0.0229		PCI/G	U	0.0384	1.00	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	1.23	0.169	13982-63-3	PCI/G	U	0.0615	1.00	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	0.960	0.208	15262-20-1	PCI/G		0.104	0.500	
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	-0.105	0.165	13967-48-1	PCI/G	U	0.279	0.800	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	0.0167	0.0208		PCI/G	U	0.0333	0.080	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.0103	0.0212	13966-32-0	PCI/G	U	0.0361	0.080	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.314	0.0534	14913-50-9	PCI/G		0.0311	0.080	
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	1.23	0.169	14269-63-7	PCI/G		0.0615	1.00	
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	1.01	0.126	7440-29-1	PCI/G		0.0514	0.500	
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	1.35	1.57	15065-10-8	PCI/G	U	1.55	2.00	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	0.0183	0.0292	13966-06-8	PCI/G	U	0.051	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	1.44	0.231	13966-29-5	PCI/G		0.133	1.00	
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.0932	0.141	15117-96-1	PCI/G	U	0.213	0.500	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	1.35	1.57	7440-61-1	PCI/G	U	1.55	1.00	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.00661	0.0201	13982-36-0	PCI/G	U	0.0371	0.100	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0638	0.0455	13982-39-3	PCI/G	U	0.0805	0.300	U
IGLOO 807-SB21-1; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0441	0.0501	13967-71-0	PCI/G	U	0.0906	0.200	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Actinium-228	EML HASL 300, 4.5.2.3	0.824	0.185	14331-83-0	PCI/G		0.121	0.800	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Americium-241	EML HASL 300, 4.5.2.3	-0.00058	0.0668	14596-10-2	PCI/G	U	0.117	0.200	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Antimony-124	EML HASL 300, 4.5.2.3	0.00126	0.0303	14683-10-4	PCI/G	U	0.0532	0.100	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Antimony-125	EML HASL 300, 4.5.2.3	0.0214	0.0483	14234-35-6	PCI/G	U	0.0838	0.200	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0124	0.024	13981-41-4	PCI/G	U	0.035	0.100	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Barium-140	EML HASL 300, 4.5.2.3	0.171	0.934	14798-08-4	PCI/G	U	1.58	0.500	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Beryllium-7	EML HASL 300, 4.5.2.3	0.140	0.466	13966-02-4	PCI/G	U	0.433	0.700	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.503	0.263	14913-49-6	PCI/G		0.250	0.500	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5.2.3	1.01	0.142	14733-03-0	PCI/G		0.0601	0.200	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.00199	0.0217		PCI/G	U	0.0321	0.050	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0462	0.0768	13967-74-3	PCI/G	U	0.128	0.100	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5.2.3	0.0301	0.122	14762-78-8	PCI/G	U	0.207	0.500	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.0322	13967-70-9	PCI/G	UUI	0.043	0.100	UJ
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.414	0.470	14234-29-8	PCI/G	U	0.622	0.300	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5.2.3	0.125	0.0333	10045-97-3	PCI/G		0.0342	0.100	J
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5.2.3	0.0038	0.477	14392-02-0	PCI/G	U	0.824	0.600	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5.2.3	-0.0161	0.0277		PCI/G	U	0.0458	0.100	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.000485	0.0153	13981-50-5	PCI/G	U	0.0259	0.050	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.00945	0.0276	13981-38-9	PCI/G	U	0.0467	0.100	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5.2.3	0.00141	0.021	10198-40-0	PCI/G	U	0.037	0.100	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5.2.3	-0.0324	0.0501	14683-23-9	PCI/G	U	0.0837	0.200	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5.2.3	0.002	0.062	15585-10-1	PCI/G	U	0.109	0.500	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5.2.3	0.031	0.0578	14391-16-3	PCI/G	U	0.100	0.500	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00423	0.0249	14694-69-0	PCI/G	U	0.0434	0.100	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	-0.00611	0.0847	14596-12-4	PCI/G	U	0.142	0.300	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	0.0739	1.97	14255-04-0	PCI/G	U	2.63	4.00	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	0.965	0.116	15092-94-1	PCI/G		0.0502	0.100	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	1.13	0.144	15067-28-4	PCI/G		0.0588	0.100	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.0123	0.0213	13966-31-9	PCI/G	U	0.0353	0.100	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	0.024	0.0439	13982-78-0	PCI/G	U	0.059	0.100	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	-2.53	2.67	14269-74-0	PCI/G	U	4.19	1000	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.0103	0.101	13968-59-7	PCI/G	U	0.172	2.00	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	0.00441	0.0165	14681-63-1	PCI/G	U	0.0292	1.00	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	0.0566	0.062	13967-76-5	PCI/G	U	0.098	0.050	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	19.8	1.66	13966-00-2	PCI/G		0.298	1.00	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	0.00608	0.0183		PCI/G	U	0.0323	0.080	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	-0.0173	0.0231		PCI/G	U	0.0374	1.00	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	1.01	0.142	13982-63-3	PCI/G	U	0.0601	1.00	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	0.824	0.185	15262-20-1	PCI/G	U	0.121	0.500	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.038	0.171	13967-48-1	PCI/G	U	0.303	0.800	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	0.0129	0.0204		PCI/G	U	0.0326	0.080	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	0.000862	0.0226	13966-32-0	PCI/G	U	0.0397	0.080	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.286	0.0501	14913-50-9	PCI/G	U	0.0336	0.080	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	1.01	0.142	14269-63-7	PCI/G	U	0.0601	1.00	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	0.917	0.111	7440-29-1	PCI/G	U	0.0477	0.500	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	1.32	1.06	15065-10-8	PCI/G	U	0.989	2.00	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	-0.0223	0.0283	13966-06-8	PCI/G	U	0.0464	0.100	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	1.12	0.205	13966-29-5	PCI/G	U	0.120	1.00	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.089	0.147	15117-96-1	PCI/G	U	0.203	0.500	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	1.32	1.06	7440-61-1	PCI/G	U	0.989	1.00	
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.0135	0.0193	13982-36-0	PCI/G	U	0.0387	0.100	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0345	0.0576	13982-39-3	PCI/G	U	0.0916	0.300	U
IGLOO 807-SB21-2; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.040	0.0528	13967-71-0	PCI/G	U	0.095	0.200	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Actinium-228	EML HASL 300, 4.5.2.3	1.14	0.291	14331-83-0	PCI/G	U	0.201	0.800	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Americium-241	EML HASL 300, 4.5.2.3	0.0674	0.0757	14596-10-2	PCI/G	U	0.123	0.200	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Antimony-124	EML HASL 300, 4.5.2.3	0.0046	0.0528	14683-10-4	PCI/G	U	0.0919	0.100	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.00588	0.0817	14234-35-6	PCI/G	U	0.143	0.200	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0166	0.0397	13981-41-4	PCI/G	U	0.0599	0.100	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Barium-140	EML HASL 300, 4.5.2.3	-2.43	2.06	14798-08-4	PCI/G	U	2.51	0.500	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.11	0.450	13966-02-4	PCI/G	U	0.778	0.700	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.241	0.585	14913-49-6	PCI/G	U	0.474	0.500	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.778	0.176	14733-03-0	PCI/G	U	0.105	0.200	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.00562	0.0305		PCI/G	U	0.0515	0.050	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5.2.3	0.180	0.181	13967-74-3	PCI/G	U	0.189	0.100	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5.2.3	0.0101	0.182	14762-78-8	PCI/G	U	0.313	0.500	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5.2.3	0.0427	0.0375	13967-70-9	PCI/G	U	0.0725	0.100	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.233	0.759	14234-29-8	PCI/G	U	1.32	0.300	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5.2.3	0.285	0.0851	10045-97-3	PCI/G	U	0.0615	0.100	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.623	0.944	14392-02-0	PCI/G	U	1.41	0.600	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.00218	0.0464		PCI/G	U	0.0846	0.100	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.0105	0.0222	13981-50-5	PCI/G	U	0.0376	0.050	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0239	0.0485	13981-38-9	PCI/G	U	0.0847	0.100	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.000418	0.0342	10198-40-0	PCI/G	U	0.0612	0.100	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5.2.3	0.0165	0.0817	14683-23-9	PCI/G	U	0.146	0.200	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5.2.3	0.095	0.0988	15585-10-1	PCI/G	U	0.192	0.500	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5.2.3	0.0993	0.0841	14391-16-3	PCI/G	U	0.151	0.500	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	0.0399	0.0957	14694-69-0	PCI/G	U	0.0712	0.100	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	-0.116	0.154	14596-12-4	PCI/G	U	0.256	0.300	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	0.692	1.34	14255-04-0	PCI/G	U	1.29	4.00	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	1.13	0.159	15092-94-1	PCI/G	U	0.082	0.100	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	0.785	0.162	15067-28-4	PCI/G	U	0.102	0.100	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.0139	0.0412	13966-31-9	PCI/G	U	0.0624	0.100	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	0.0567	0.0667	13982-78-0	PCI/G	U	0.102	0.100	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	-4.74	6.07	14269-74-0	PCI/G	U	8.50	1000	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.0314	0.149	13968-59-7	PCI/G	U	0.259	2.00	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	0.0122	0.0316	14681-63-1	PCI/G	U	0.0556	1.00	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	-0.0839	0.0853	13967-76-5	PCI/G	U	0.143	0.050	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	20.2	2.30	13966-00-2	PCI/G		0.599	1.00	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	0.00718	0.0343		PCI/G	U	0.0598	0.080	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	0.00596	0.0369		PCI/G	U	0.0655	1.00	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	0.778	0.176	13982-63-3	PCI/G		0.105	1.00	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	1.14	0.291	15262-20-1	PCI/G		0.201	0.500	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	-0.035	0.297	13967-48-1	PCI/G	U	0.511	0.800	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	0.0315	0.0396		PCI/G	U	0.0642	0.080	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	0.0351	0.036	13966-32-0	PCI/G	U	0.0702	0.080	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.323	0.0877	14913-50-9	PCI/G		0.0567	0.080	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	0.778	0.176	14269-63-7	PCI/G		0.105	1.00	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	1.07	0.151	7440-29-1	PCI/G		0.0778	0.500	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	1.67	1.22	15065-10-8	PCI/G		1.08	2.00	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	0.00262	0.0472	13966-06-8	PCI/G	U	0.0836	0.100	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	0.864	0.196	13966-29-5	PCI/G		0.176	1.00	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.326	0.322	15117-96-1	PCI/G		0.304	0.500	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	1.67	1.22	7440-61-1	PCI/G		1.08	1.00	
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	-0.0275	0.0497	13982-36-0	PCI/G	U	0.0709	0.100	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	0.00759	0.0991	13982-39-3	PCI/G	U	0.154	0.300	U
IGLOO 807-SB22; 0-0.5	SAMPLE	08/06/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0453	0.0974	13967-71-0	PCI/G	U	0.181	0.200	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Actinium-228	EML HASL 300, 4.5.2.3	1.29	0.231	14331-83-0	PCI/G		0.103	0.800	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Americium-241	EML HASL 300, 4.5.2.3	0.0147	0.0576	14596-10-2	PCI/G	U	0.106	0.200	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Antimony-124	EML HASL 300, 4.5.2.3	0.00925	0.0252	14683-10-4	PCI/G	U	0.0456	0.100	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.00524	0.0394	14234-35-6	PCI/G	U	0.0681	0.200	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0001	0.0199	13981-41-4	PCI/G	U	0.0308	0.100	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Barium-140	EML HASL 300, 4.5.2.3	-0.107	0.676	14798-08-4	PCI/G	U	1.14	0.500	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Beryllium-7	EML HASL 300, 4.5.2.3	0.00775	0.211	13966-02-4	PCI/G	U	0.365	0.700	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.659	0.212	14913-49-6	PCI/G		0.197	0.500	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.873	0.128	14733-03-0	PCI/G		0.0554	0.200	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.0075	0.017		PCI/G	U	0.0288	0.050	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0923	0.0922	13967-74-3	PCI/G	U	0.102	0.100	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.0656	0.118	14762-78-8	PCI/G	U	0.180	0.500	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.0377	13967-70-9	PCI/G	UUI	0.0391	0.100	UJ
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.15	0.312	14234-29-8	PCI/G	U	0.438	0.300	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5.2.3	0.00435	0.016	10045-97-3	PCI/G	U	0.0287	0.100	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5.2.3	0.113	0.354	14392-02-0	PCI/G	U	0.635	0.600	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.00724	0.0224		PCI/G	U	0.0397	0.100	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.00162	0.0133	13981-50-5	PCI/G	U	0.0232	0.050	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.0108	0.0251	13981-38-9	PCI/G	U	0.0367	0.100	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5.2.3	0.00647	0.0169	10198-40-0	PCI/G	U	0.0307	0.100	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5.2.3	0.0559	0.0488	14683-23-9	PCI/G	U	0.0738	0.200	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5.2.3	-0.0361	0.0561	15585-10-1	PCI/G	U	0.0945	0.500	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5.2.3	0.00	0.0838	14391-16-3	PCI/G	UUI	0.0871	0.500	UJ
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	-0.00811	0.0202	14694-69-0	PCI/G	U	0.0352	0.100	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	-0.000488	0.0768	14596-12-4	PCI/G	U	0.113	0.300	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	1.41	1.71	14255-04-0	PCI/G	U	2.11	4.00	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	1.29	0.145	15092-94-1	PCI/G		0.0449	0.100	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	1.05	0.138	15067-28-4	PCI/G		0.0502	0.100	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	0.00364	0.0183	13966-31-9	PCI/G	U	0.0304	0.100	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	0.00	0.0516	13982-78-0	PCI/G	UUI	0.0498	0.100	UJ
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	-2.24	1.93	14269-74-0	PCI/G	U	3.04	1000	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.0202	0.0903	13968-59-7	PCI/G	U	0.158	2.00	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	0.0141	0.013	14681-63-1	PCI/G	U	0.0261	1.00	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	0.00	0.0428	13967-76-5	PCI/G	UUI	0.0792	0.050	UJ
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	20.9	1.70	13966-00-2	PCI/G		0.246	1.00	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	0.00709	0.0156		PCI/G	U	0.028	0.080	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	0.00	0.0275		PCI/G	UUI	0.0338	1.00	UJ
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	0.873	0.128	13982-63-3	PCI/G		0.0554	1.00	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	1.29	0.231	15262-20-1	PCI/G		0.103	0.500	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.0674	0.146	13967-48-1	PCI/G	U	0.266	0.800	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.00952	0.0159		PCI/G	U	0.0274	0.080	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.0134	0.0204	13966-32-0	PCI/G	U	0.0343	0.080	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.381	0.059	14913-50-9	PCI/G		0.0273	0.080	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	0.873	0.128	14269-63-7	PCI/G		0.0554	1.00	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	1.23	0.138	7440-29-1	PCI/G		0.0428	0.500	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	1.85	1.16	15065-10-8	PCI/G		0.899	2.00	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	-0.00268	0.0238	13966-06-8	PCI/G	U	0.0414	0.100	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	0.984	0.176	13966-29-5	PCI/G		0.109	1.00	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.190	0.188	15117-96-1	PCI/G		0.186	0.500	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	1.85	1.16	7440-61-1	PCI/G		0.899	1.00	
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.0133	0.0184	13982-36-0	PCI/G	U	0.0358	0.100	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	-0.0298	0.0501	13982-39-3	PCI/G	U	0.0729	0.300	U
IGLOO 807-SB23; 0.5-2	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0189	0.0431	13967-71-0	PCI/G	U	0.0773	0.200	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Actinium-228	EML HASL 300, 4.5.2.3	1.02	0.202	14331-83-0	PCI/G		0.120	0.800	
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Americium-241	EML HASL 300, 4.5.2.3	0.0267	0.128	14596-10-2	PCI/G	U	0.185	0.200	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Antimony-124	EML HASL 300, 4.5.2.3	0.00848	0.0241	14683-10-4	PCI/G	U	0.0448	0.100	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.00963	0.0448	14234-35-6	PCI/G	U	0.0824	0.200	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Barium-133	EML HASL 300, 4.5.2.3	-0.000436	0.0212	13981-41-4	PCI/G	U	0.0331	0.100	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Barium-140	EML HASL 300, 4.5.2.3	-0.852	0.731	14798-08-4	PCI/G	U	1.15	0.500	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.0246	0.222	13966-02-4	PCI/G	U	0.409	0.700	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.899	0.293	14913-49-6	PCI/G		0.231	0.500	
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.899	0.136	14733-03-0	PCI/G		0.0552	0.200	
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cerium-139	EML HASL 300, 4.5.2.3	0.00536	0.0162		PCI/G	U	0.0302	0.050	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0818	0.0923	13967-74-3	PCI/G	U	0.101	0.100	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cerium-144	EML HASL 300, 4.5.2.3	0.0148	0.101	14762-78-8	PCI/G	U	0.190	0.500	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.0435	13967-70-9	PCI/G	UUI	0.0426	0.100	UJ
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.29	0.344	14234-29-8	PCI/G	U	0.555	0.300	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cesium-137	EML HASL 300, 4.5.2.3	0.0825	0.0345	10045-97-3	PCI/G		0.0332	0.100	
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Chromium-51	EML HASL 300, 4.5.2.3	0.0017	0.381	14392-02-0	PCI/G	U	0.674	0.600	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.0184	0.0259		PCI/G	U	0.0479	0.100	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cobalt-57	EML HASL 300, 4.5.2.3	0.00178	0.0128	13981-50-5	PCI/G	U	0.0242	0.050	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cobalt-58	EML HASL 300, 4.5.2.3	0.00684	0.0387	13981-38-9	PCI/G	U	0.0448	0.100	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.00094	0.0187	10198-40-0	PCI/G	U	0.034	0.100	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Europium-152	EML HASL 300, 4.5.2.3	0.0229	0.046	14683-23-9	PCI/G	U	0.0827	0.200	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Europium-154	EML HASL 300, 4.5.2.3	0.00177	0.0684	15585-10-1	PCI/G	U	0.123	0.500	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Europium-155	EML HASL 300, 4.5.2.3	0.0457	0.0522	14391-16-3	PCI/G	U	0.101	0.500	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	-0.00908	0.0216	14694-69-0	PCI/G	U	0.0373	0.100	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	0.0511	0.085	14596-12-4	PCI/G	U	0.153	0.300	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	2.99	4.12	14255-04-0	PCI/G	U	7.03	4.00	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	1.20	0.143	15092-94-1	PCI/G		0.0495	0.100	
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	1.08	0.152	15067-28-4	PCI/G		0.0558	0.100	
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	0.0217	0.0385	13966-31-9	PCI/G	U	0.0342	0.100	U
IGLOO 807-SB23; 0.0-5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	0.00	0.0685	13982-78-0	PCI/G	UUI	0.0521	0.100	UJ

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	-1.44	1.97	14269-74-0	PCI/G	U	3.46	1000	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.0201	0.0867	13968-59-7	PCI/G	U	0.163	2.00	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	0.0129	0.0166	14681-63-1	PCI/G	U	0.0308	1.00	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	0.055	0.0524	13967-76-5	PCI/G	U	0.0876	0.050	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	28.7	2.97	13966-00-2	PCI/G	U	0.305	1.00	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	-0.00212	0.0178		PCI/G	U	0.0317	0.080	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	0.0101	0.0197		PCI/G	U	0.0374	1.00	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	0.899	0.136	13982-63-3	PCI/G	U	0.0552	1.00	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	1.02	0.202	15262-20-1	PCI/G	U	0.120	0.500	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.0453	0.153	13967-48-1	PCI/G	U	0.283	0.800	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	-0.000448	0.0206		PCI/G	U	0.0325	0.080	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	0.0009	0.0249	13966-32-0	PCI/G	U	0.0448	0.080	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.379	0.0627	14913-50-9	PCI/G	U	0.0316	0.080	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	0.899	0.136	14269-63-7	PCI/G	U	0.0552	1.00	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	1.15	0.137	7440-29-1	PCI/G	U	0.0472	0.500	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	1.42	1.91	15065-10-8	PCI/G	U	1.45	2.00	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	0.00192	0.0258	13966-06-8	PCI/G	U	0.0451	0.100	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	1.03	0.195	13966-29-5	PCI/G	U	0.109	1.00	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.165	0.186	15117-96-1	PCI/G	U	0.189	0.500	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	1.42	1.91	7440-61-1	PCI/G	U	1.45	1.00	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.00738	0.0218	13982-36-0	PCI/G	U	0.0374	0.100	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	0.00457	0.0567	13982-39-3	PCI/G	U	0.0903	0.300	U
IGLOO 807-SB23; 0-0.5	SAMPLE	08/11/03	08/26/03	08/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.00596	0.0547	13967-71-0	PCI/G	U	0.0848	0.200	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Actinium-228	EML HASL 300, 4.5.2.3	1.01	0.209	14331-83-0	PCI/G	U	0.0963	0.800	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Americium-241	EML HASL 300, 4.5.2.3	-0.0259	0.0659	14596-10-2	PCI/G	U	0.105	0.200	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.00487	0.0239	14683-10-4	PCI/G	U	0.0419	0.100	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Antimony-125	EML HASL 300, 4.5.2.3	0.0502	0.0453	14234-35-6	PCI/G	U	0.0736	0.200	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Barium-133	EML HASL 300, 4.5.2.3	0.0211	0.0184	13981-41-4	PCI/G	U	0.0326	0.100	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Barium-140	EML HASL 300, 4.5.2.3	0.138	0.521	14798-08-4	PCI/G	U	0.896	0.500	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Beryllium-7	EML HASL 300, 4.5.2.3	0.148	0.227	13966-02-4	PCI/G	U	0.355	0.700	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.667	0.231	14913-49-6	PCI/G	U	0.220	0.500	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.639	0.103	14733-03-0	PCI/G	U	0.0545	0.200	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Cerium-139	EML HASL 300, 4.5.2.3	0.00188	0.0175		PCI/G	U	0.0298	0.050	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0364	0.0563	13967-74-3	PCI/G	U	0.0909	0.100	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.00134	0.105	14762-78-8	PCI/G	U	0.181	0.500	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Cesium-134	EML HASL 300, 4.5.2.3	0.00	0.0233	13967-70-9	PCI/G	UUI	0.036	0.100	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Cesium-136	EML HASL 300, 4.5.2.3	0.125	0.167	14234-29-8	PCI/G	U	0.398	0.300	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Cesium-137	EML HASL 300, 4.5.2.3	-0.0209	0.0166	10045-97-3	PCI/G	U	0.027	0.100	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Chromium-51	EML HASL 300, 4.5.2.3	0.0816	0.352	14392-02-0	PCI/G	U	0.622	0.600	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.0228	0.0352		PCI/G	U	0.0367	0.100	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.00399	0.013	13981-50-5	PCI/G	U	0.0223	0.050	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Cobalt-58	EML HASL 300, 4.5.2.3	0.00209	0.0211	13981-38-9	PCI/G	U	0.0371	0.100	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Cobalt-60	EML HASL 300, 4.5.2.3	0.00342	0.0178	10198-40-0	PCI/G	U	0.0319	0.100	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Europium-152	EML HASL 300, 4.5.2.3	0.00288	0.0441	14683-23-9	PCI/G	U	0.0772	0.200	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Europium-154	EML HASL 300, 4.5.2.3	-0.0386	0.0553	15585-10-1	PCI/G	U	0.0924	0.500	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Europium-155	EML HASL 300, 4.5.2.3	0.00	0.0753	14391-16-3	PCI/G	UUI	0.085	0.500	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00706	0.0205	14694-69-0	PCI/G	U	0.0364	0.100	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Iron-59	EML HASL 300, 4.5.2.3	0.0192	0.0795	14596-12-4	PCI/G	U	0.118	0.300	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Lead-210	EML HASL 300, 4.5.2.3	0.781	1.29	14255-04-0	PCI/G	U	2.18	4.00	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Lead-212	EML HASL 300, 4.5.2.3	1.03	0.119	15092-94-1	PCI/G	U	0.0437	0.100	U
IGLOO 807-SB23; 2-4	SAMPLE	08/11/03	08/26/03	08/27/03	09/23/03	Lead-214	EML HASL 300, 4.5.2.3	0.792	0.106	15067-28-4	PCI/G	U	0.053	0.100	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Iron-59	EML HASL 300, 4.5.2.3	0.00159	0.0538	14596-12-4	PCI/G U		0.101	0.300	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Lead-210	EML HASL 300, 4.5.2.3	2.56	1.34	14255-04-0	PCI/G U		2.64	4.00	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Lead-212	EML HASL 300, 4.5.2.3	0.341	0.0541	15092-94-1	PCI/G		0.0426	0.100	
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Lead-214	EML HASL 300, 4.5.2.3	0.845	0.106	15067-28-4	PCI/G		0.0448	0.100	
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.00721	0.0142	13966-31-9	PCI/G U		0.025	0.100	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Mercury-203	EML HASL 300, 4.5.2.3	0.00474	0.0229	13982-78-0	PCI/G U		0.0438	0.100	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Neodymium-147	EML HASL 300, 4.5.2.3	-0.0938	1.47	14269-74-0	PCI/G U		2.64	1000	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.00178	0.0677	13968-59-7	PCI/G U		0.128	2.00	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Niobium-94	EML HASL 300, 4.5.2.3	0.00463	0.0118	14681-63-1	PCI/G U		0.0225	1.00	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Niobium-95	EML HASL 300, 4.5.2.3	0.037	0.0372	13967-76-5	PCI/G U		0.0647	0.050	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Potassium-40	EML HASL 300, 4.5.2.3	7.10	0.702	13966-00-2	PCI/G		0.215	1.00	
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Promethium-144	EML HASL 300, 4.5.2.3	0.00348	0.0123		PCI/G U		0.0233	0.080	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Promethium-146	EML HASL 300, 4.5.2.3	0.00481	0.0156		PCI/G U		0.029	1.00	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Radium-226	EML HASL 300, 4.5.2.3	0.711	0.0899	13982-63-3	PCI/G		0.0431	1.00	
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Radium-228	EML HASL 300, 4.5.2.3	0.331	0.108	15262-20-1	PCI/G		0.0833	0.500	J
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.128	0.149	13967-48-1	PCI/G U		0.150	0.800	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Silver-110m	EML HASL 300, 4.5.2.3	0.000635	0.0149		PCI/G U		0.0243	0.080	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Sodium-22	EML HASL 300, 4.5.2.3	0.00551	0.0145	13966-32-0	PCI/G U		0.0279	0.080	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Thallium-208	EML HASL 300, 4.5.2.3	0.106	0.0353	14913-50-9	PCI/G		0.0234	0.080	
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Thorium-230	EML HASL 300, 4.5.2.3	0.711	0.0899	14269-63-7	PCI/G		0.0431	1.00	
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Thorium-232	EML HASL 300, 4.5.2.3	0.326	0.0516	7440-29-1	PCI/G		0.0406	0.500	
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Thorium-234	EML HASL 300, 4.5.2.3	0.106	0.954	15065-10-8	PCI/G U		0.898	2.00	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Tin-113	EML HASL 300, 4.5.2.3	0.00427	0.0203	13966-06-8	PCI/G U		0.0379	0.100	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Uranium-234	EML HASL 300, 4.5.2.3	0.884	0.128	13966-29-5	PCI/G		0.0835	1.00	
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Uranium-235	EML HASL 300, 4.5.2.3	0.0736	0.0791	15117-96-1	PCI/G U		0.150	0.500	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Uranium-238	EML HASL 300, 4.5.2.3	0.106	0.954	7440-61-1	PCI/G U		0.898	1.00	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Yttrium-88	EML HASL 300, 4.5.2.3	0.00464	0.017	13982-36-0	PCI/G U		0.0334	0.100	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0154	0.0389	13982-39-3	PCI/G U		0.065	0.300	U
IGLOO 808-SB25; 0-0.5	SAMPLE	08/07/03	08/26/03	08/27/03	09/23/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.0276	0.0358	13967-71-0	PCI/G U		0.0622	0.200	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Actinium-228	EML HASL 300, 4.5.2.3	0.846	0.209	14331-83-0	PCI/G		0.160	0.800	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Americium-241	EML HASL 300, 4.5.2.3	0.0419	0.0854	14596-10-2	PCI/G U		0.159	0.200	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Antimony-124	EML HASL 300, 4.5.2.3	-0.00922	0.0329	14683-10-4	PCI/G U		0.0577	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Antimony-125	EML HASL 300, 4.5.2.3	-0.0306	0.0577	14234-35-6	PCI/G U		0.094	0.200	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Barium-133	EML HASL 300, 4.5.2.3	-0.0182	0.0291	13981-41-4	PCI/G U		0.0417	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Barium-140	EML HASL 300, 4.5.2.3	-0.455	0.777	14798-08-4	PCI/G U		1.32	0.500	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Beryllium-7	EML HASL 300, 4.5.2.3	-0.0681	0.254	13966-02-4	PCI/G U		0.453	0.700	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Bismuth-212	EML HASL 300, 4.5.2.3	0.708	0.322	14913-49-6	PCI/G		0.299	0.500	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Bismuth-214	EML HASL 300, 4.5.2.3	0.840	0.138	14733-03-0	PCI/G		0.0735	0.200	
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cerium-139	EML HASL 300, 4.5.2.3	-0.0143	0.0201		PCI/G U		0.0343	0.050	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cerium-141	EML HASL 300, 4.5.2.3	0.0581	0.0715	13967-74-3	PCI/G U		0.129	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cerium-144	EML HASL 300, 4.5.2.3	-0.11	0.122	14762-78-8	PCI/G U		0.207	0.500	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cesium-134	EML HASL 300, 4.5.2.3	0.042	0.0426	13967-70-9	PCI/G U		0.0545	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cesium-136	EML HASL 300, 4.5.2.3	-0.129	0.353	14234-29-8	PCI/G U		0.594	0.300	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cesium-137	EML HASL 300, 4.5.2.3	-0.000659	0.0235	10045-97-3	PCI/G U		0.0417	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Chromium-51	EML HASL 300, 4.5.2.3	-0.145	0.472	14392-02-0	PCI/G U		0.793	0.600	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cobalt-56	EML HASL 300, 4.5.2.3	0.0346	0.0306		PCI/G U		0.0586	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cobalt-57	EML HASL 300, 4.5.2.3	-0.00562	0.0156	13981-50-5	PCI/G U		0.0274	0.050	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cobalt-58	EML HASL 300, 4.5.2.3	-0.00596	0.0383	13981-38-9	PCI/G U		0.0583	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Cobalt-60	EML HASL 300, 4.5.2.3	-0.00308	0.0251	10198-40-0	PCI/G U		0.0454	0.100	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Europium-152	EML HASL 300, 4.5.2.3	0.0257	0.0543	14683-23-9	PCI/G U		0.0955	0.200	U
IGLOO 811-SB41; 0.5-2 ft	DUP	08/09/03	08/26/03	09/23/03	09/23/03	Europium-154	EML HASL 300, 4.5.2.3	0.0297	0.0764	15585-10-1	PCI/G U		0.143	0.500	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Eurprium-155	EML HASL 300, 4.5.2.3	-0.00965	0.106	14391-16-3	PCI/G U		0.168	0.500	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Iridium-192	EML HASL 300, 4.5.2.3	0.000585	0.0159	14694-69-0	PCI/G U		0.0272	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00924	0.0173	14694-69-0	PCI/G U		0.0303	0.100	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Iridium-192	EML HASL 300, 4.5.2.3	0.00198	0.0346	14694-69-0	PCI/G U		0.0616	0.100	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Iron-59	EML HASL 300, 4.5.2.3	-0.00402	0.0373	14596-12-4	PCI/G U		0.0642	0.300	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Iron-59	EML HASL 300, 4.5.2.3	-0.0134	0.0405	14596-12-4	PCI/G U		0.0678	0.300	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Iron-59	EML HASL 300, 4.5.2.3	-0.0399	0.0622	14596-12-4	PCI/G U		0.102	0.300	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Lead-210	EML HASL 300, 4.5.2.3	0.129	3.05	14255-04-0	PCI/G U		4.58	4.00	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Lead-210	EML HASL 300, 4.5.2.3	0.211	3.04	14255-04-0	PCI/G U		4.58	4.00	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Lead-210	EML HASL 300, 4.5.2.3	4.04	10.1	14255-04-0	PCI/G U		16.0	4.00	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Lead-212	EML HASL 300, 4.5.2.3	0.00431	0.0343	15092-94-1	PCI/G U		0.0507	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Lead-212	EML HASL 300, 4.5.2.3	0.00	0.0276	15092-94-1	PCI/G UUI		0.050	0.100	UUI
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Lead-212	EML HASL 300, 4.5.2.3	0.046	0.0509	15092-94-1	PCI/G U		0.0964	0.100	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Lead-214	EML HASL 300, 4.5.2.3	0.0368	0.0301	15067-28-4	PCI/G U		0.0543	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Lead-214	EML HASL 300, 4.5.2.3	0.0453	0.0342	15067-28-4	PCI/G U		0.061	0.100	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Lead-214	EML HASL 300, 4.5.2.3	0.0644	0.0639	15067-28-4	PCI/G U		0.124	0.100	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.00174	0.0152	13966-31-9	PCI/G U		0.0262	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.00357	0.014	13966-31-9	PCI/G U		0.0239	0.100	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Manganese-54	EML HASL 300, 4.5.2.3	-0.00505	0.0238	13966-31-9	PCI/G U		0.0442	0.100	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Mercury-203	EML HASL 300, 4.5.2.3	0.00529	0.0195	13982-78-0	PCI/G U		0.0338	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Mercury-203	EML HASL 300, 4.5.2.3	-0.00997	0.0211	13982-78-0	PCI/G U		0.0351	0.100	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Mercury-203	EML HASL 300, 4.5.2.3	0.00	0.0625	13982-78-0	PCI/G UUI		0.0742	0.100	UUI
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Neodymium-147	EML HASL 300, 4.5.2.3	0.175	0.419	14269-74-0	PCI/G U		0.767	1000	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Neodymium-147	EML HASL 300, 4.5.2.3	0.0136	0.565	14269-74-0	PCI/G U		1.01	1000	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Neodymium-147	EML HASL 300, 4.5.2.3	-0.24	0.742	14269-74-0	PCI/G U		1.35	1000	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.00164	0.0793	13968-59-7	PCI/G U		0.139	2.00	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Neptunium-239	EML HASL 300, 4.5.2.3	-0.0704	0.0954	13968-59-7	PCI/G U		0.141	2.00	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Neptunium-239	EML HASL 300, 4.5.2.3	0.0367	0.175	13968-59-7	PCI/G U		0.285	2.00	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Niobium-94	EML HASL 300, 4.5.2.3	-0.00653	0.0144	14681-63-1	PCI/G U		0.0243	1.00	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Niobium-94	EML HASL 300, 4.5.2.3	0.0141	0.0121	14681-63-1	PCI/G U		0.023	1.00	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Niobium-94	EML HASL 300, 4.5.2.3	-0.00885	0.0274	14681-63-1	PCI/G U		0.0488	1.00	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Niobium-95	EML HASL 300, 4.5.2.3	0.00164	0.0228	13967-76-5	PCI/G U		0.040	0.050	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Niobium-95	EML HASL 300, 4.5.2.3	0.00152	0.025	13967-76-5	PCI/G U		0.0439	0.050	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Niobium-95	EML HASL 300, 4.5.2.3	0.012	0.0485	13967-76-5	PCI/G U		0.093	0.050	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Potassium-40	EML HASL 300, 4.5.2.3	0.00	0.225	13966-00-2	PCI/G UUI		0.214	1.00	UUI
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Potassium-40	EML HASL 300, 4.5.2.3	0.153	0.153	13966-00-2	PCI/G U		0.302	1.00	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Potassium-40	EML HASL 300, 4.5.2.3	0.263	0.368	13966-00-2	PCI/G U		0.796	1.00	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Promethium-144	EML HASL 300, 4.5.2.3	-0.00219	0.0144		PCI/G U		0.0249	0.080	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Promethium-144	EML HASL 300, 4.5.2.3	0.00777	0.015		PCI/G U		0.027	0.080	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Promethium-144	EML HASL 300, 4.5.2.3	0.0135	0.0283		PCI/G U		0.0561	0.080	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Promethium-146	EML HASL 300, 4.5.2.3	0.00495	0.0168		PCI/G U		0.029	1.00	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Promethium-146	EML HASL 300, 4.5.2.3	0.0015	0.022		PCI/G U		0.0324	1.00	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Promethium-146	EML HASL 300, 4.5.2.3	0.021	0.0362		PCI/G U		0.0692	1.00	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Radium-226	EML HASL 300, 4.5.2.3	0.00272	0.0606	13982-63-3	PCI/G U		0.0607	1.00	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Radium-226	EML HASL 300, 4.5.2.3	0.0252	0.0343	13982-63-3	PCI/G U		0.0617	1.00	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Radium-226	EML HASL 300, 4.5.2.3	0.0164	0.0552	13982-63-3	PCI/G U		0.107	1.00	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Radium-228	EML HASL 300, 4.5.2.3	0.00489	0.0757	15262-20-1	PCI/G U		0.101	0.500	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Radium-228	EML HASL 300, 4.5.2.3	0.0947	0.0561	15262-20-1	PCI/G U		0.107	0.500	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Radium-228	EML HASL 300, 4.5.2.3	0.0423	0.103	15262-20-1	PCI/G U		0.207	0.500	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Ruthenium-106	EML HASL 300, 4.5.2.3	-0.00803	0.134	13967-48-1	PCI/G U		0.234	0.800	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.0175	0.138	13967-48-1	PCI/G U		0.244	0.800	U

SEAD-48
Soil Sampling Results
SDG 84843
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Ruthenium-106	EML HASL 300, 4.5.2.3	0.155	0.210	13967-48-1	PCI/G	U	0.448	0.800	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Silver-110m	EML HASL 300, 4.5.2.3	0.0021	0.0128		PCI/G	U	0.023	0.080	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Silver-110m	EML HASL 300, 4.5.2.3	0.00702	0.0174		PCI/G	U	0.024	0.080	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Silver-110m	EML HASL 300, 4.5.2.3	0.0026	0.0303		PCI/G	U	0.0571	0.080	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Sodium-22	EML HASL 300, 4.5.2.3	-0.00325	0.0129	13966-32-0	PCI/G	U	0.023	0.080	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Sodium-22	EML HASL 300, 4.5.2.3	0.00842	0.0152	13966-32-0	PCI/G	U	0.0262	0.080	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Sodium-22	EML HASL 300, 4.5.2.3	0.00196	0.0268	13966-32-0	PCI/G	U	0.054	0.080	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Thallium-208	EML HASL 300, 4.5.2.3	0.0131	0.0161	14913-50-9	PCI/G	U	0.0295	0.080	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Thallium-208	EML HASL 300, 4.5.2.3	0.0108	0.0262	14913-50-9	PCI/G	U	0.0335	0.080	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Thallium-208	EML HASL 300, 4.5.2.3	0.00978	0.0281	14913-50-9	PCI/G	U	0.0501	0.080	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Thorium-230	EML HASL 300, 4.5.2.3	0.00272	0.0606	14269-63-7	PCI/G	U	0.0607	1.00	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Thorium-230	EML HASL 300, 4.5.2.3	0.0252	0.0343	14269-63-7	PCI/G	U	0.0617	1.00	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Thorium-230	EML HASL 300, 4.5.2.3	0.0164	0.0552	14269-63-7	PCI/G	U	0.107	1.00	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Thorium-232	EML HASL 300, 4.5.2.3	0.0042	0.0334	7440-29-1	PCI/G	U	0.0463	0.500	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Thorium-232	EML HASL 300, 4.5.2.3	0.00	0.0267	7440-29-1	PCI/G	UUI	0.0484	0.500	UUI
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Thorium-232	EML HASL 300, 4.5.2.3	0.0305	0.0507	7440-29-1	PCI/G	U	0.0937	0.500	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Thorium-234	EML HASL 300, 4.5.2.3	0.366	0.967	15065-10-8	PCI/G	U	1.16	2.00	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Thorium-234	EML HASL 300, 4.5.2.3	-0.471	0.791	15065-10-8	PCI/G	U	1.12	2.00	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Thorium-234	EML HASL 300, 4.5.2.3	0.887	1.77	15065-10-8	PCI/G	U	2.81	2.00	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Tin-113	EML HASL 300, 4.5.2.3	0.0124	0.0183	13966-06-8	PCI/G	U	0.0326	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Tin-113	EML HASL 300, 4.5.2.3	0.000135	0.0204	13966-06-8	PCI/G	U	0.0345	0.100	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Tin-113	EML HASL 300, 4.5.2.3	-0.0119	0.0373	13966-06-8	PCI/G	U	0.064	0.100	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Uranium-234	EML HASL 300, 4.5.2.3	0.0304	0.0543	13966-29-5	PCI/G	U	0.0953	1.00	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Uranium-234	EML HASL 300, 4.5.2.3	0.0237	0.0581	13966-29-5	PCI/G	U	0.101	1.00	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Uranium-234	EML HASL 300, 4.5.2.3	0.00868	0.124	13966-29-5	PCI/G	U	0.220	1.00	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Uranium-235	EML HASL 300, 4.5.2.3	0.0173	0.0901	15117-96-1	PCI/G	U	0.158	0.500	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Uranium-235	EML HASL 300, 4.5.2.3	0.0323	0.0961	15117-96-1	PCI/G	U	0.151	0.500	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Uranium-235	EML HASL 300, 4.5.2.3	0.160	0.205	15117-96-1	PCI/G	U	0.345	0.500	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Uranium-238	EML HASL 300, 4.5.2.3	0.366	0.967	7440-61-1	PCI/G	U	1.16	1.00	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Uranium-238	EML HASL 300, 4.5.2.3	-0.471	0.791	7440-61-1	PCI/G	U	1.12	1.00	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Uranium-238	EML HASL 300, 4.5.2.3	0.887	1.77	7440-61-1	PCI/G	U	2.81	1.00	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Yttrium-88	EML HASL 300, 4.5.2.3	-0.00853	0.0161	13982-36-0	PCI/G	U	0.0269	0.100	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Yttrium-88	EML HASL 300, 4.5.2.3	-0.00415	0.0163	13982-36-0	PCI/G	U	0.0287	0.100	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Yttrium-88	EML HASL 300, 4.5.2.3	-0.0226	0.0277	13982-36-0	PCI/G	U	0.0409	0.100	U
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Zinc-65	EML HASL 300, 4.5.2.3	-0.00122	0.0316	13982-39-3	PCI/G	U	0.057	0.300	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Zinc-65	EML HASL 300, 4.5.2.3	0.0206	0.0302	13982-39-3	PCI/G	U	0.0581	0.300	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Zinc-65	EML HASL 300, 4.5.2.3	0.00	0.183	13982-39-3	PCI/G	UUI	0.116	0.300	UUI
MB	MB	09/23/03	09/23/03	09/23/03	09/23/03	Zirconium-95	EML HASL 300, 4.5.2.3	0.0123	0.0343	13967-71-0	PCI/G	U	0.0544	0.200	U
MB	MB	09/27/03	09/27/03	09/27/03	09/27/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.000286	0.0314	13967-71-0	PCI/G	U	0.0552	0.200	U
MB	MB	09/29/03	09/29/03	09/29/03	09/29/03	Zirconium-95	EML HASL 300, 4.5.2.3	-0.00508	0.0514	13967-71-0	PCI/G	U	0.0975	0.200	U

Attachment 2

SEAD-48 GROUNDWATER DATA

Table 2 – Summary of Groundwater Concentrations
Groundwater Sampling Results – SDG 89747

Table 2
Analytical Groundwater Results
October 2003 Sampling Event
SEAD-48 Final Status Surveys
Seneca Army Depot Activity

Monitoring Well ID	Sample ID	Parameter	Lab Result	Uncertainty (+/-)	Qualifier ⁽¹⁾	MDL ⁽²⁾	Units ⁽³⁾	MCL ^(4,5)
MW48-1	48-2001	Gross Alpha	15.8	2.02		1.75	pCi/L	15 pCi/L (not including radon or uranium)
		Radium-226	0.937	0.367	U	0.337	pCi/L	5 pCi/L (combined Ra-226/228)
		Radium-228	1.35	0.713		1.17	pCi/L	
		Thorium-230	0.923	0.603		0.615	pCi/L	--
		Thorium-232	0.0757	0.218	U	0.575	pCi/L	--
		Total Uranium	8.68	0.148		0.198	ug/L	30 ug/L
		Uranium-233/234	3.45	0.823		0.514	pCi/L	--
		Uranium-235/236	0.197	0.170	U	0.217	pCi/L	--
MW48-2	48-2002	Uranium-238	3.35	0.784		0.217	pCi/L	--
		Uranium-233/234	1.10	0.888	U	1.22	pCi/L	--
		Uranium-235/236	0.443	0.628	U	1.06	pCi/L	--
MW48-3	48-2003	Uranium-238	0.773	0.799	U	1.22	pCi/L	--
		Gross Alpha	2.93	1.48		2.09	pCi/L	15 pCi/L (not including radon or uranium)
		Radium-226	0.547	0.243	U	0.222	pCi/L	5 pCi/L (combined Ra-226/228)
		Radium-228	1.46	0.659		1.06	pCi/L	
		Thorium-230	0.442	0.431	U	0.686	pCi/L	--
		Thorium-232	0.105	0.244	U	0.589	pCi/L	--
		Total Uranium	2.65	0.0396		0.198	ug/L	--
		Uranium-233/234	0.799	0.363	U	0.274	pCi/L	--
MW48-4	48-2004	Uranium-235/236	0.137	0.148	U	0.192	pCi/L	--
		Uranium-238	0.435	0.257		0.109	pCi/L	--
		Gross Alpha	101	17.4		19.2	pCi/L	15 pCi/L (not including radon or uranium)
		Radium-226	0.269	0.230	U	0.346	pCi/L	5 pCi/L (combined Ra-226/228)
		Radium-228	1.69	0.606		0.948	pCi/L	
		Thorium-230	0.958	0.546		0.338	pCi/L	--
		Thorium-232	0.0299	0.122	U	0.398	pCi/L	--
		Total Uranium	2.04	0.0735		0.198	ug/L	30 ug/L
MW48-5	48-2005	Uranium-233/234	1.40	0.453	U	0.196	pCi/L	--
		Uranium-235/236	0.0644	0.114	U	0.238	pCi/L	--
		Uranium-238	1.21	0.418		0.196	pCi/L	--
		Gross Alpha	2.21	1.14		1.23	pCi/L	15 pCi/L (not including radon or uranium)
		Radium-226	0.556	0.320	U	0.406	pCi/L	5 pCi/L (combined Ra-226/228)
		Radium-228	0.478	0.583	U	0.980	pCi/L	
		Thorium-230	0.778	0.635	U	0.830	pCi/L	--
		Thorium-232	0.0469	0.191	U	0.602	pCi/L	--
MW48-6	48-2006	Total Uranium	2.56	0.0412		0.198	ug/L	30 ug/L
		Uranium-233/234	1.06	0.393	U	0.166	pCi/L	--
		Uranium-235/236	0.135	0.145	U	0.219	pCi/L	--
		Uranium-238	0.693	0.317		0.238	pCi/L	--
		Gross Alpha	2.12	1.21		1.74	pCi/L	15 pCi/L (not including radon or uranium)
		Radium-226	0.215	0.169	U	0.223	pCi/L	5 pCi/L (combined Ra-226/228)
		Radium-228	1.07	0.606		0.987	pCi/L	
		Thorium-230	0.657	0.534	U	0.664	pCi/L	--
MW48-7	48-2007	Thorium-232	0.130	0.252	U	0.547	pCi/L	--
		Total Uranium	5.34	0.0768		0.198	ug/L	30 ug/L
		Uranium-233/234	2.24	0.586	U	0.0873	pCi/L	--
		Uranium-235/236	0.438	0.233	U	0.0876	pCi/L	--
		Uranium-238	1.48	0.457		0.154	pCi/L	--
		Gross Alpha	1.86	1.00		1.25	pCi/L	15 pCi/L (not including radon or uranium)
		Radium-226	0.663	0.344	U	0.426	pCi/L	5 pCi/L (combined Ra-226/228)
		Radium-228	0.643	0.534	U	0.886	pCi/L	
		Thorium-230	0.554	0.434	U	0.642	pCi/L	--
		Thorium-232	0.0621	0.179	U	0.475	pCi/L	--
		Total Uranium	2.03	0.0346		0.198	ug/L	30 ug/L
		Uranium-233/234	0.948	0.377	U	0.174	pCi/L	--
		Uranium-235/236	0.0992	0.115	U	0.0992	pCi/L	--
		Uranium-238	0.593	0.291		0.0989	pCi/L	--

Table 2
Analytical Groundwater Results
October 2003 Sampling Event
SEAD-48 Final Status Surveys
Seneca Army Depot Activity

Monitoring Well ID	Sample ID	Parameter	Lab Result	Uncertainty (+/-)	Qualifier ⁽¹⁾	MDL ⁽²⁾	Units ⁽³⁾	MCL ^(4,5)
MW48-7 (duplicate)	48-2009	Gross Alpha	1.38	1.07	U	1.43	pCi/L	15 pCi/L (not including radon or uranium)
		Radium-226	0.629	0.337	U	0.423	pCi/L	5 pCi/L (combined Ra-226/228)
		Radium-228	0.936	0.644	U	1.06	pCi/L	
		Thorium-230	0.478	0.415	U	0.504	pCi/L	--
		Thorium-232	-0.000149	0.00825	U	0.612	pCi/L	--
		Total Uranium	1.90	0.0345		0.198	ug/L	30 ug/L
		Uranium-233/234	0.780	0.306	U	0.0807	pCi/L	--
		Uranium-235/236	0.068	0.0956	U	0.168	pCi/L	--
MW48-8	48-2008	Uranium-238	0.585	0.263		0.142	pCi/L	--
		Gross Alpha	36.6	5.69		4.24	pCi/L	15 pCi/L (not including radon or uranium)
		Radium-226	0.495	0.295	U	0.388	pCi/L	5 pCi/L (combined Ra-226/228)
		Radium-228	1.22	0.588		0.952	pCi/L	
		Thorium-230	1.07	0.605		0.421	pCi/L	--
		Thorium-232	0.118	0.241	U	0.548	pCi/L	--
		Total Uranium	0.946	0.0297		0.198	ug/L	30 ug/L
		Uranium-233/234	0.319	0.200	U	0.196	pCi/L	--
		Uranium-235/236	0.0499	0.0815	U	0.150	pCi/L	--
		Uranium-238	0.269	0.182		0.176	pCi/L	--

Notes:

- (1) U = Indicates that the target analyte was analyzed for but not detected above the detection limit.
(2) MDL = method detection limit.
(3) ug/L = micrograms per liter; pCi/L = picocuries per liter.
(4) MCL = maximum contaminant level. From EPA 815-F-00-013, *Final Rule for (Non-Radon) Radionuclides in Drinking Water*, 2000.
(5) "--" = MCL for this analyte not available.

SEAD-48
Groundwater Sampling Results
SDG 89747
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
48-0101	SAMPLE	10/08/03	10/10/03	11/01/03	11/01/03	ALPHA	EPA 900.0	-0.433	0.428	12587-46-1	PCI/L	U	1.27	5.00	U
48-0101	SAMPLE	10/08/03	10/10/03	11/05/03	11/05/03	Radium-226	EPA 903.1 Modified	0.293	0.250	13982-63-3	PCI/L	U	0.376	1.00	U
48-0101	SAMPLE	10/08/03	10/10/03	10/28/03	10/28/03	Radium-228	EPA 904.0 Modified	0.504	0.644	15262-20-1	PCI/L	U	1.08	3.00	U
48-0101	SAMPLE	10/08/03	10/10/03	11/13/03	11/13/03	Thorium-230	DOE EML HASL-300, Th-01-RC Modified	0.494	0.411	14269-63-7	PCI/L	U	0.518	1.00	U
48-0101	SAMPLE	10/08/03	10/10/03	11/13/03	11/13/03	Thorium-232	DOE EML HASL-300, Th-01-RC Modified	0.0743	0.214	7440-29-1	PCI/L	U	0.564	1.00	U
48-0101	SAMPLE	10/08/03	10/10/03	11/11/03	11/11/03	Total Uranium	ASTM D 5174	0.253	0.0093	7440-61-1	UG/L		0.198	1.00	
48-0101	SAMPLE	10/08/03	10/10/03	11/08/03	11/08/03	Uranium-233/234	DOE EML HASL-300, U-02-RC Modified	0.328	0.229	13966-29-5	PCI/L		0.271	1.00	U
48-0101	SAMPLE	10/08/03	10/10/03	11/08/03	11/08/03	Uranium-235/236	DOE EML HASL-300, U-02-RC Modified	0.0671	0.0953	13982-70-2	PCI/L	U	0.101	1.00	U
48-0101	SAMPLE	10/08/03	10/10/03	11/08/03	11/08/03	Uranium-238	DOE EML HASL-300, U-02-RC Modified	-0.0241	0.028	7440-61-1	PCI/L	U	0.232	1.00	U
48-2001	SAMPLE	10/06/03	10/10/03	11/03/03	11/03/03	ALPHA	EPA 900.0	15.8	2.02	12587-46-1	PCI/L		1.75	5.00	
48-2001	SAMPLE	10/07/03	10/10/03	11/05/03	11/05/03	Radium-226	EPA 903.1 Modified	0.937	0.367	13982-63-3	PCI/L		0.337	1.00	U
48-2001	SAMPLE	10/07/03	10/10/03	10/28/03	10/28/03	Radium-228	EPA 904.0 Modified	1.35	0.713	15262-20-1	PCI/L		1.17	3.00	
48-2001	SAMPLE	10/07/03	10/10/03	11/13/03	11/13/03	Thorium-230	DOE EML HASL-300, Th-01-RC Modified	0.923	0.603	14269-63-7	PCI/L		0.615	1.00	
48-2001	SAMPLE	10/07/03	10/10/03	11/13/03	11/13/03	Thorium-232	DOE EML HASL-300, Th-01-RC Modified	0.0757	0.218	7440-29-1	PCI/L	U	0.575	1.00	U
48-2001	SAMPLE	10/06/03	10/10/03	11/11/03	11/11/03	Total Uranium	ASTM D 5174	8.68	0.148	7440-61-1	UG/L		0.198	1.00	
48-2001	SAMPLE	10/07/03	10/10/03	11/08/03	11/08/03	Uranium-233/234	DOE EML HASL-300, U-02-RC Modified	3.45	0.823	13966-29-5	PCI/L		0.514	1.00	
48-2001	SAMPLE	10/07/03	10/10/03	11/08/03	11/08/03	Uranium-235/236	DOE EML HASL-300, U-02-RC Modified	0.197	0.170	13982-70-2	PCI/L	U	0.217	1.00	U
48-2001	SAMPLE	10/07/03	10/10/03	11/08/03	11/08/03	Uranium-238	DOE EML HASL-300, U-02-RC Modified	3.35	0.784	7440-61-1	PCI/L		0.217	1.00	
48-2002	DUP	10/07/03	10/10/03	11/12/03	11/12/03	Uranium-233/234	DOE EML HASL-300, U-02-RC Modified	2.62	1.11	13966-29-5	PCI/L		0.801	1.00	
48-2002	DUP	10/07/03	10/10/03	11/12/03	11/12/03	Uranium-235/236	DOE EML HASL-300, U-02-RC Modified	1.15	0.702	13982-70-2	PCI/L		0.315	1.00	
48-2002	DUP	10/07/03	10/10/03	11/12/03	11/12/03	Uranium-238	DOE EML HASL-300, U-02-RC Modified	2.20	1.06	7440-61-1	PCI/L		1.00	1.00	
48-2002	MS	10/07/03	10/10/03	11/12/03	11/12/03	Uranium-238	DOE EML HASL-300, U-02-RC Modified	102	27.4	7440-61-1	%		0.482	1.00	
48-2002	SAMPLE	10/07/03	10/10/03	11/12/03	11/12/03	Uranium-233/234	DOE EML HASL-300, U-02-RC Modified	1.10	0.888	13966-29-5	PCI/L	U	1.22	1.00	U
48-2002	SAMPLE	10/07/03	10/10/03	11/12/03	11/12/03	Uranium-235/236	DOE EML HASL-300, U-02-RC Modified	0.443	0.628	13982-70-2	PCI/L	U	1.06	1.00	U
48-2002	SAMPLE	10/07/03	10/10/03	11/12/03	11/12/03	Uranium-238	DOE EML HASL-300, U-02-RC Modified	0.773	0.799	7440-61-1	PCI/L	U	1.22	1.00	U
48-2003	SAMPLE	10/06/03	10/10/03	11/01/03	11/01/03	ALPHA	EPA 900.0	2.93	1.48	12587-46-1	PCI/L		2.09	5.00	
48-2003	SAMPLE	10/06/03	10/10/03	11/05/03	11/05/03	Radium-226	EPA 903.1 Modified	0.547	0.243	13982-63-3	PCI/L		0.222	1.00	U
48-2003	SAMPLE	10/06/03	10/10/03	10/28/03	10/28/03	Radium-228	EPA 904.0 Modified	1.46	0.659	15262-20-1	PCI/L		1.06	3.00	
48-2003	SAMPLE	10/06/03	10/10/03	11/13/03	11/13/03	Thorium-230	DOE EML HASL-300, Th-01-RC Modified	0.442	0.431	14269-63-7	PCI/L	U	0.686	1.00	U
48-2003	SAMPLE	10/06/03	10/10/03	11/13/03	11/13/03	Thorium-232	DOE EML HASL-300, Th-01-RC Modified	0.105	0.244	7440-29-1	PCI/L	U	0.589	1.00	U
48-2003	SAMPLE	10/06/03	10/10/03	11/11/03	11/11/03	Total Uranium	ASTM D 5174	2.65	0.0396	7440-61-1	UG/L		0.198	1.00	
48-2003	SAMPLE	10/06/03	10/10/03	11/07/03	11/07/03	Uranium-233/234	DOE EML HASL-300, U-02-RC Modified	0.799	0.363	13966-29-5	PCI/L		0.274	1.00	U
48-2003	SAMPLE	10/06/03	10/10/03	11/07/03	11/07/03	Uranium-235/236	DOE EML HASL-300, U-02-RC Modified	0.137	0.148	13982-70-2	PCI/L	U	0.192	1.00	U
48-2003	SAMPLE	10/06/03	10/10/03	11/07/03	11/07/03	Uranium-238	DOE EML HASL-300, U-02-RC Modified	0.435	0.257	7440-61-1	PCI/L		0.109	1.00	
48-2004	SAMPLE	10/07/03	10/10/03	11/04/03	11/04/03	ALPHA	EPA 900.0	101	17.4	12587-46-1	PCI/L		19.2	5.00	
48-2004	SAMPLE	10/08/03	10/10/03	11/05/03	11/05/03	Radium-226	EPA 903.1 Modified	0.269	0.230	13982-63-3	PCI/L	U	0.346	1.00	U
48-2004	SAMPLE	10/08/03	10/10/03	10/28/03	10/28/03	Radium-228	EPA 904.0 Modified	1.69	0.606	15262-20-1	PCI/L		0.948	3.00	
48-2004	SAMPLE	10/08/03	10/10/03	11/13/03	11/13/03	Thorium-230	DOE EML HASL-300, Th-01-RC Modified	0.958	0.546	14269-63-7	PCI/L		0.338	1.00	
48-2004	SAMPLE	10/08/03	10/10/03	11/13/03	11/13/03	Thorium-232	DOE EML HASL-300, Th-01-RC Modified	0.0299	0.122	7440-29-1	PCI/L	U	0.398	1.00	U
48-2004	SAMPLE	10/07/03	10/10/03	11/11/03	11/11/03	Total Uranium	ASTM D 5174	2.04	0.0735	7440-61-1	UG/L		0.198	1.00	
48-2004	SAMPLE	10/08/03	10/10/03	11/08/03	11/08/03	Uranium-233/234	DOE EML HASL-300, U-02-RC Modified	1.40	0.453	13966-29-5	PCI/L		0.196	1.00	U
48-2004	SAMPLE	10/08/03	10/10/03	11/08/03	11/08/03	Uranium-235/236	DOE EML HASL-300, U-02-RC Modified	0.0644	0.114	13982-70-2	PCI/L	U	0.238	1.00	U
48-2004	SAMPLE	10/08/03	10/10/03	11/08/03	11/08/03	Uranium-238	DOE EML HASL-300, U-02-RC Modified	1.21	0.418	7440-61-1	PCI/L		0.196	1.00	
48-2005	DUP	10/07/03	10/10/03	11/01/03	11/01/03	ALPHA	EPA 900.0	2.72	1.22	12587-46-1	PCI/L		1.31	5.00	
48-2005	DUP	10/07/03	10/10/03	11/05/03	11/05/03	Radium-226	EPA 903.1 Modified	0.372	0.280	13982-63-3	PCI/L	U	0.404	1.00	U
48-2005	DUP	10/07/03	10/10/03	10/28/03	10/28/03	Radium-228	EPA 904.0 Modified	1.57	0.690	15262-20-1	PCI/L		1.11	3.00	
48-2005	DUP	10/07/03	10/10/03	11/13/03	11/13/03	Thorium-230	DOE EML HASL-300, Th-01-RC Modified	0.435	0.337	14269-63-7	PCI/L		0.330	1.00	
48-2005	DUP	10/07/03	10/10/03	11/13/03	11/13/03	Thorium-232	DOE EML HASL-300, Th-01-RC Modified	-0.0484	0.0572	7440-29-1	PCI/L	U	0.434	1.00	U
48-2005	DUP	10/07/03	10/10/03	11/11/03	11/11/03	Total Uranium	ASTM D 5174	2.59	0.0423	7440-61-1	UG/L		0.198	1.00	
48-2005	DUP	10/07/03	10/10/03	11/08/03	11/08/03	Uranium-233/234	DOE EML HASL-300, U-02-RC Modified	1.26	0.415	13966-29-5	PCI/L		0.206	1.00	

SEAD-48
Groundwater Sampling Results
SDG 89747
Seneca Army Depot Activity

Sample_No	Sample_Type	Coll_date	Rec_date	Ext_date	Anal_date	Parameter	Method	Lab Result	Uncertainty	Cas_num	Units	Lab_Qual	MDL	CRDL_CRQL	Validator
48-2005	DUP	10/07/03	10/10/03	11/08/03	11/08/03	Uranium-235/236	DOE EML HASL-300, U-02-RC Modified	0.179	0.147	13982-70-2	PCI/L		0.0893	1.00	
48-2005	DUP	10/07/03	10/10/03	11/08/03	11/08/03	Uranium-238	DOE EML HASL-300, U-02-RC Modified	0.735	0.309	7440-61-1	PCI/L		0.157	1.00	
48-2005	MS	10/07/03	10/10/03	11/01/03	11/01/03	ALPHA	EPA 900.0	85	5.35	12587-46-1	%		1.73	5.00	
48-2005	MS	10/07/03	10/10/03	11/05/03	11/05/03	Radium-226	EPA 903.1 Modified	86	1.52	13982-63-3	%		0.339	1.00	
48-2005	MS	10/07/03	10/10/03	10/28/03	10/28/03	Radium-228	EPA 904.0 Modified	119	7.94	15262-20-1	%		6.00	3.00	
48-2005	MS	10/07/03	10/10/03	11/13/03	11/13/03	Thorium-232	DOE EML HASL-300, Th-01-RC Modified	100	3.21	7440-29-1	%		0.438	1.00	
48-2005	MS	10/07/03	10/10/03	11/11/03	11/11/03	Total Uranium	ASTM D 5174	107	2.06	7440-61-1	%		0.198	1.00	
48-2005	MS	10/07/03	10/10/03	11/08/03	11/08/03	Uranium-238	DOE EML HASL-300, U-02-RC Modified	97	1.98	7440-61-1	%		0.237	1.00	
48-2005	MSD	10/07/03	10/10/03	11/02/03	11/02/03	ALPHA	EPA 900.0	82	11.2	12587-46-1	%		5.51	5.00	
48-2005	SAMPLE	10/07/03	10/10/03	11/01/03	11/01/03	ALPHA	EPA 900.0	2.21	1.14	12587-46-1	PCI/L		1.23	5.00	
48-2005	SAMPLE	10/07/03	10/10/03	11/05/03	11/05/03	Radium-226	EPA 903.1 Modified	0.556	0.320	13982-63-3	PCI/L		0.406	1.00	U
48-2005	SAMPLE	10/07/03	10/10/03	10/28/03	10/28/03	Radium-228	EPA 904.0 Modified	0.478	0.583	15262-20-1	PCI/L	U	0.980	3.00	U
48-2005	SAMPLE	10/07/03	10/10/03	11/13/03	11/13/03	Thorium-230	DOE EML HASL-300, Th-01-RC Modified	0.778	0.635	14269-63-7	PCI/L	U	0.830	1.00	U
48-2005	SAMPLE	10/07/03	10/10/03	11/13/03	11/13/03	Thorium-232	DOE EML HASL-300, Th-01-RC Modified	0.0469	0.191	7440-29-1	PCI/L	U	0.602	1.00	U
48-2005	SAMPLE	10/07/03	10/10/03	11/11/03	11/11/03	Total Uranium	ASTM D 5174	2.56	0.0412	7440-61-1	UG/L		0.198	1.00	
48-2005	SAMPLE	10/07/03	10/10/03	11/07/03	11/07/03	Uranium-233/234	DOE EML HASL-300, U-02-RC Modified	1.06	0.393	13966-29-5	PCI/L		0.166	1.00	U
48-2005	SAMPLE	10/07/03	10/10/03	11/07/03	11/07/03	Uranium-235/236	DOE EML HASL-300, U-02-RC Modified	0.135	0.145	13982-70-2	PCI/L	U	0.219	1.00	U
48-2005	SAMPLE	10/07/03	10/10/03	11/07/03	11/07/03	Uranium-238	DOE EML HASL-300, U-02-RC Modified	0.693	0.317	7440-61-1	PCI/L		0.238	1.00	
48-2006	SAMPLE	10/06/03	10/10/03	11/01/03	11/01/03	ALPHA	EPA 900.0	2.12	1.21	12587-46-1	PCI/L		1.74	5.00	
48-2006	SAMPLE	10/06/03	10/10/03	11/05/03	11/05/03	Radium-226	EPA 903.1 Modified	0.215	0.169	13982-63-3	PCI/L	U	0.223	1.00	U
48-2006	SAMPLE	10/06/03	10/10/03	10/28/03	10/28/03	Radium-228	EPA 904.0 Modified	1.07	0.606	15262-20-1	PCI/L		0.987	3.00	
48-2006	SAMPLE	10/06/03	10/10/03	11/13/03	11/13/03	Thorium-230	DOE EML HASL-300, Th-01-RC Modified	0.657	0.534	14269-63-7	PCI/L	U	0.664	1.00	U
48-2006	SAMPLE	10/06/03	10/10/03	11/13/03	11/13/03	Thorium-232	DOE EML HASL-300, Th-01-RC Modified	0.130	0.252	7440-29-1	PCI/L	U	0.547	1.00	U
48-2006	SAMPLE	10/06/03	10/10/03	11/11/03	11/11/03	Total Uranium	ASTM D 5174	5.34	0.0768	7440-61-1	UG/L		0.198	1.00	
48-2006	SAMPLE	10/06/03	10/10/03	11/07/03	11/07/03	Uranium-233/234	DOE EML HASL-300, U-02-RC Modified	2.24	0.586	13966-29-5	PCI/L		0.0873	1.00	U
48-2006	SAMPLE	10/06/03	10/10/03	11/07/03	11/07/03	Uranium-235/236	DOE EML HASL-300, U-02-RC Modified	0.438	0.233	13982-70-2	PCI/L		0.0876	1.00	U
48-2006	SAMPLE	10/06/03	10/10/03	11/07/03	11/07/03	Uranium-238	DOE EML HASL-300, U-02-RC Modified	1.48	0.457	7440-61-1	PCI/L		0.154	1.00	
48-2007	SAMPLE	10/06/03	10/10/03	11/01/03	11/01/03	ALPHA	EPA 900.0	1.86	1.00	12587-46-1	PCI/L		1.25	5.00	
48-2007	SAMPLE	10/06/03	10/10/03	11/05/03	11/05/03	Radium-226	EPA 903.1 Modified	0.663	0.344	13982-63-3	PCI/L		0.426	1.00	U
48-2007	SAMPLE	10/06/03	10/10/03	10/28/03	10/28/03	Radium-228	EPA 904.0 Modified	0.643	0.534	15262-20-1	PCI/L	U	0.886	3.00	U
48-2007	SAMPLE	10/06/03	10/10/03	11/13/03	11/13/03	Thorium-230	DOE EML HASL-300, Th-01-RC Modified	0.554	0.434	14269-63-7	PCI/L	U	0.642	1.00	U
48-2007	SAMPLE	10/06/03	10/10/03	11/13/03	11/13/03	Thorium-232	DOE EML HASL-300, Th-01-RC Modified	0.0621	0.179	7440-29-1	PCI/L	U	0.475	1.00	U
48-2007	SAMPLE	10/06/03	10/10/03	11/11/03	11/11/03	Total Uranium	ASTM D 5174	2.03	0.0346	7440-61-1	UG/L		0.198	1.00	
48-2007	SAMPLE	10/06/03	10/10/03	11/07/03	11/07/03	Uranium-233/234	DOE EML HASL-300, U-02-RC Modified	0.948	0.377	13966-29-5	PCI/L		0.174	1.00	U
48-2007	SAMPLE	10/06/03	10/10/03	11/07/03	11/07/03	Uranium-235/236	DOE EML HASL-300, U-02-RC Modified	0.0992	0.115	13982-70-2	PCI/L		0.0992	1.00	U
48-2007	SAMPLE	10/06/03	10/10/03	11/07/03	11/07/03	Uranium-238	DOE EML HASL-300, U-02-RC Modified	0.593	0.291	7440-61-1	PCI/L		0.0989	1.00	
48-2008	SAMPLE	10/07/03	10/10/03	11/03/03	11/03/03	ALPHA	EPA 900.0	36.6	5.69	12587-46-1	PCI/L		4.24	5.00	
48-2008	SAMPLE	10/07/03	10/10/03	11/05/03	11/05/03	Radium-226	EPA 903.1 Modified	0.495	0.295	13982-63-3	PCI/L		0.388	1.00	U
48-2008	SAMPLE	10/07/03	10/10/03	10/28/03	10/28/03	Radium-228	EPA 904.0 Modified	1.22	0.588	15262-20-1	PCI/L		0.952	3.00	
48-2008	SAMPLE	10/07/03	10/10/03	11/13/03	11/13/03	Thorium-230	DOE EML HASL-300, Th-01-RC Modified	1.07	0.605	14269-63-7	PCI/L		0.421	1.00	
48-2008	SAMPLE	10/07/03	10/10/03	11/13/03	11/13/03	Thorium-232	DOE EML HASL-300, Th-01-RC Modified	0.118	0.241	7440-29-1	PCI/L	U	0.548	1.00	U
48-2008	SAMPLE	10/07/03	10/10/03	11/11/03	11/11/03	Total Uranium	ASTM D 5174	0.946	0.0297	7440-61-1	UG/L		0.198	1.00	
48-2008	SAMPLE	10/07/03	10/10/03	11/08/03	11/08/03	Uranium-233/234	DOE EML HASL-300, U-02-RC Modified	0.319	0.200	13966-29-5	PCI/L		0.196	1.00	U
48-2008	SAMPLE	10/07/03	10/10/03	11/08/03	11/08/03	Uranium-235/236	DOE EML HASL-300, U-02-RC Modified	0.0499	0.0815	13982-70-2	PCI/L	U	0.150	1.00	U
48-2008	SAMPLE	10/07/03	10/10/03	11/08/03	11/08/03	Uranium-238	DOE EML HASL-300, U-02-RC Modified	0.269	0.182	7440-61-1	PCI/L		0.176	1.00	
48-2009	SAMPLE	10/06/03	10/10/03	11/01/03	11/01/03	ALPHA	EPA 900.0	1.38	1.07	12587-46-1	PCI/L	U	1.43	5.00	U
48-2009	SAMPLE	10/06/03	10/10/03	11/05/03	11/05/03	Radium-226	EPA 903.1 Modified	0.629	0.337	13982-63-3	PCI/L		0.423	1.00	U
48-2009	SAMPLE	10/06/03	10/10/03	10/28/03	10/28/03	Radium-228	EPA 904.0 Modified	0.936	0.644	15262-20-1	PCI/L	U	1.06	3.00	U
48-2009	SAMPLE	10/06/03	10/10/03	11/13/03	11/13/03	Thorium-230	DOE EML HASL-300, Th-01-RC Modified	0.478	0.415	14269-63-7	PCI/L	U	0.504	1.00	U
48-2009	SAMPLE	10/06/03	10/10/03	11/13/03	11/13/03	Thorium-232	DOE EML HASL-300, Th-01-RC Modified	-0.000149	0.00825	7440-29-1	PCI/L	U	0.612	1.00	U

Attachment 3

Ash Landfill and SEAD-122B Data

The following data are presented in the associate reports that have been submitted to EPA and therefore are not included in this quarterly report:

The 2004 data for the Small Arms Range – Airfield (SEAD-122B) are presented in the Final Characterization Report submitted in February 2004.

The 2003 third quarter data for Ash Landfill are presented in the Ash Landfill Quarterly Groundwater Monitoring Report submitted in February 2004.