

**UNC New Haven FSS
Argyle Street Sewer Excavation Sample Results**

Sample Designation	Sample Collection Date & Time	Sample Type	Matrix	No./ Containers	Sample Weight (net in grams)	Count Time (in minutes)	On-Site Analysis Date & Time	U-234 (pCi/g)	U-234 MDA	U-235 [pCi/g (italics indicate a non-detect red indicates MDA used as result or a value <MDA)]	U-235 MDA	U-238 [pCi/g (italics indicate a non-detect red indicates MDA used as result or a value <MDA)]	U-238 MDA	U-Total	²³⁵ U Mass Enrichment	U-235 Mass (grams)
UNC-FSS-SR-001	11/4/11 14:30	FSS	Sand	1	1901.5	60	11/7/11 9:56	0.00 ± 0.00	33.40	0.00 ± 0.00	0.29	0.62 ± 0.26	0.41	0.62 ± 0.26	0.00 ± 0.00	0.000
UNC-FSS-SR-002	11/4/11 14:40	FSS	Sand	1	2039.0	60	11/7/11 11:04	0.00 ± 0.00	33.70	0.00 ± 0.00	0.30	0.55 ± 0.27	0.51	0.55 ± 0.27	0.00 ± 0.00	0.000
UNC-FSS-SR-003	11/4/11 14:50	FSS	Sand	1	2098.5	60	11/7/11 12:12	0.00 ± 0.00	33.80	0.00 ± 0.00	0.30	0.54 ± 0.27	0.52	0.54 ± 0.27	0.00 ± 0.00	0.000
UNC-FSS-SR-004	10/26/11 12:40	FSS	Sand	1	2037.5	60	10/27/11 8:26	0.00 ± 0.00	35.20	0.00 ± 0.00	0.30	0.39 ± 0.23	0.42	0.39 ± 0.23	0.00 ± 0.00	0.000
UNC-FSS-SR-004FD	10/26/11 12:40	FD	Sand	1	1939.5	60	10/28/11 8:17	0.00 ± 0.00	32.80	0.00 ± 0.00	0.29	0.40 ± 0.23	0.41	0.40 ± 0.23	0.00 ± 0.00	0.000
UNC-FSS-SR-005	10/26/11 12:30	FSS	Sand	1	1987.5	60	10/27/11 9:24	0.00 ± 0.00	35.20	0.00 ± 0.00	0.31	0.71 ± 0.34	0.59	0.71 ± 0.34	0.00 ± 0.00	0.000
UNC-FSS-SR-005FD	10/26/11 12:30	FD	Sand	1	2036.0	60	11/7/11 13:16	0.00 ± 0.00	34.20	0.00 ± 0.00	0.30	0.76 ± 0.34	0.49	0.76 ± 0.34	0.00 ± 0.00	0.000
UNC-FSS-SR-006	10/26/11 12:35	FSS	Sand	1	2039.0	60	10/27/11 13:13	0.00 ± 0.00	35.10	0.00 ± 0.00	0.31	0.61 ± 0.31	0.56	0.61 ± 0.31	0.00 ± 0.00	0.000
UNC-FSS-SR-007	10/5/11 10:05	FSS	Sand	1	1849.0	60	10/6/11 7:53	0.00 ± 0.00	36.50	0.00 ± 0.00	0.31	0.96 ± 0.29	0.44	0.96 ± 0.29	0.00 ± 0.00	0.000
UNC-FSS-SR-008	10/6/11 8:00	FSS	Sand	1	1825.0	60	10/6/11 12:50	0.00 ± 0.00	31.80	0.00 ± 0.00	0.28	0.47 ± 0.23	0.64	0.47 ± 0.23	0.00 ± 0.00	0.000
UNC-FSS-SR-008FD	10/6/11 8:00	FD	Sand	1	1626.0	60	10/7/11 7:51	0.00 ± 0.00	33.50	0.00 ± 0.00	0.30	0.48 ± 0.25	0.50	0.48 ± 0.25	0.00 ± 0.00	0.000
UNC-FSS-SR-009	10/5/11 10:10	FSS	Sand	1	1896.5	60	10/6/11 9:00	0.00 ± 0.00	31.70	0.00 ± 0.00	0.28	0.60 ± 0.35	0.62	0.60 ± 0.35	0.00 ± 0.00	0.000
UNC-FSS-SR-010	9/28/11 10:30	FSS	Sand	1	2011.5	60	9/29/11 9:25	0.00 ± 0.00	59.30	0.00 ± 0.00	0.29	0.72 ± 0.33	0.50	0.72 ± 0.33	0.00 ± 0.00	0.000
UNC-FSS-SR-011	9/28/11 15:00	FSS	Sand	1	1823.0	60	9/29/11 14:30	0.00 ± 0.00	34.80	0.00 ± 0.00	0.31	0.91 ± 0.32	0.48	0.91 ± 0.32	0.00 ± 0.00	0.000
UNC-FSS-SR-012	9/28/11 10:35	FSS	Sand	1	2105.5	180	9/30/11 8:00	0.00 ± 0.00	119.00	0.00 ± 0.00	0.58	0.00 ± 0.00	1.57	0.00 ± 0.00	0.00 ± 0.00	0.000
UNC-FSS-SR-013	9/22/11 10:00	FSS	Sand	1	1836.0	60	9/22/11 13:57	0.00 ± 0.00	31.40	0.00 ± 0.00	0.27	0.46 ± 0.24	0.44	0.46 ± 0.24	0.00 ± 0.00	0.000
UNC-FSS-SR-014	9/21/11 11:15	FSS	Sand	1	2152.0	60	9/21/11 13:41	0.00 ± 0.00	32.40	0.00 ± 0.00	0.28	0.66 ± 0.28	0.52	0.66 ± 0.28	0.00 ± 0.00	0.000
UNC-FSS-SR-015	9/21/11 11:10	FSS	Sand	1	2214.5	60	9/22/11 8:17	0.00 ± 0.00	32.10	0.00 ± 0.00	0.28	0.67 ± 0.26	0.47	0.67 ± 0.26	0.00 ± 0.00	0.000
UNC-FSS-SR-016	11/16/11 10:00	FSS	Sand	1	2142.5	60		0.00 ± 0.00								0.00 ± 0.00
UNC-FSS-SR-017	11/16/11 10:15	FSS	Sand	1	2003.5	60	12/8/11 12:24	0.00 ± 0.00	49.40	0.00 ± 0.00	0.29	0.95 ± 0.00	0.95	0.00 ± 0.00	0.00 ± 0.00	0.000
UNC-FSS-SR-018	11/17/11 9:30	FSS	Sand	1	2219.0	60	12/8/11 11:19	0.00 ± 0.00	31.70	0.00 ± 0.00	0.29	0.84 ± 0.00	0.84	0.84 ± 0.00	0.00 ± 0.00	0.000
UNC-FSS-SR-019	11/21/11 9:00	FSS	Sand	1	2069.5	60	12/8/11 10:15	0.00 ± 0.00	30.60	0.00 ± 0.00	0.28	0.67 ± 0.40	0.53	0.67 ± 0.40	0.00 ± 0.00	0.000
UNC-FSS-SR-020	11/21/11 9:00	FSS	Sand	1	2010.5	60	12/9/11 9:16	0.00 ± 0.00	31.80	0.00 ± 0.00	0.28	0.83 ± 0.00	0.83	0.83 ± 0.00	0.00 ± 0.00	0.000
UNC-FSS-SR-021	11/21/11 9:30	FSS	Sand	1	2091.5	60	12/8/11 12:59	0.00 ± 0.00	30.50	0.00 ± 0.00	0.25	0.44 ± 0.40	0.54	0.44 ± 0.40	0.00 ± 0.00	0.000
UNC-FSS-SR-022	11/23/11 12:30	Bias	Sand	1	2180.0	60	11/29/11 9:11	0.00 ± 0.00	32.70	0.00 ± 0.00	0.28	1.12 ± 0.53	0.59	1.12 ± 0.53	0.00 ± 0.00	0.000
UNC-FSS-SR-023B	9/14/11 14:30	Bias	Sand	1	2040.0	120	9/15/11 9:01	0.00 ± 0.00	23.00	0.00 ± 0.00	0.19	0.60 ± 0.18	0.31	0.60 ± 0.18	0.00 ± 0.00	0.000
UNC-FSS-SR-024B	9/16/11 15:30	Bias	Sand	1	1865.0	60	9/19/11 8:01	0.00 ± 0.00	31.80	0.00 ± 0.00	0.27	0.63 ± 0.23	0.42	0.63 ± 0.23	0.00 ± 0.00	0.000
UNC-FSS-SR-025B	9/20/11 12:15	Bias	Sand	1	1950.5	120	9/21/11 8:20	0.00 ± 0.00	23.80	0.00 ± 0.00	0.20	0.79 ± 0.26	0.37	0.79 ± 0.26	0.00 ± 0.00	0.000
UNC-FSS-SR-026B	9/21/11 11:20	Bias	Sand	1	2120.5	60	9/21/11 14:43	0.00 ± 0.00	32.90	0.00 ± 0.00	0.28	0.00 ± 0.00	0.65	0.00 ± 0.00	0.00 ± 0.00	0.000
UNC-FSS-SR-027B	9/22/11 10:05	Bias	Sand	1	1991.0	60	9/22/11 12:17	0.00 ± 0.00	33.70	0.00 ± 0.00	0.29	0.51 ± 0.28	0.11	0.51 ± 0.28	0.00 ± 0.00	0.000
UNC-FSS-SR-028B	9/22/11 15:00	Bias	Sand	1	2089.0	60	9/23/11 7:37	0.00 ± 0.00	32.30	0.00 ± 0.00	0.27	0.70 ± 0.35	0.46	0.70 ± 0.35	0.00 ± 0.00	0.000
UNC-FSS-SR-029B	9/23/11 10:30	Bias	Sand	1	1777.5	60	9/23/11 13:46	0.00 ± 0.00	49.90	0.00 ± 0.00	0.29	0.45 ± 0.28	0.54	0.45 ± 0.28	0.00 ± 0.00	0.000
UNC-FSS-SR-030B	9/26/11 13:30	Bias	Sand	1	1803.0	60	9/26/11 14:26	0.00 ± 0.00	32.50	0.00 ± 0.00	0.28	0.33 ± 0.20	0.35	0.33 ± 0.20	0.00 ± 0.00	0.000
UNC-FSS-SR-031B	9/28/11 10:45	Bias	Sand	1	1936.0	60	9/28/11 13:06	0.00 ± 0.00	34.20	0.00 ± 0.00	0.30	0.84 ± 0.35	0.61	0.84 ± 0.35	0.00 ± 0.00	0.000
UNC-FSS-SR-032B	9/28/11 15:10	Bias	Sand	1	2028.0	60	9/29/11 13:27	0.00 ± 0.00	36.30	0.00 ± 0.00	0.30	0.83 ± 0.33	0.61	0.83 ± 0.33	0.00 ± 0.00	0.000
UNC-FSS-SR-033B	9/30/11 14:15	Bias	Sand	1	2087.0	90	10/3/11 9:21	0.00 ± 0.00	26.70	0.00 ± 0.00	0.23	0.45 ± 0.17	0.36	0.45 ± 0.17	0.00 ± 0.00	0.000
UNC-FSS-SR-034B	10/3/11 11:15	Bias	Sand	1	2021.5	120	10/4/11 11:16	0.00 ± 0.00	23.10	0.00 ± 0.00	0.20	0.52 ± 0.15	0.33	0.52 ± 0.15	0.00 ± 0.00	0.000
UNC-FSS-SR-035B	10/3/11 15:23	Bias	Sand	1	1839.5	60	10/4/11 8:17	0.00 ± 0.00	32.60	0.00 ± 0.00	0.30	0.61 ± 0.27	0.51	0.61 ± 0.27	0.00 ± 0.00	0.000
UNC-FSS-SR-036B	10/5/11 10:15	Bias	Sand	1	1868.5	60	10/5/11 10:50	0.00 ± 0.00	33.50	0.00 ± 0.00	0.29	0.68 ± 0.23	0.48	0.68 ± 0.23	0.00 ± 0.00	0.000
UNC-FSS-SR-037B	10/6/11 8:15	Bias	Sand	1	1721.5	60	10/6/11 11:46	2.40 ± 0.00	31.60	0.09 ± 0.08	0.14	0.63 ± 0.30	0.39	3.11 ± 0.31	2.15 ± 2.24	0.000
UNC-FSS-SR-037BFD	10/6/11 8:15	FD	Sand	1	1948.0	60	10/6/11 13:55	0.00 ± 0.00	34.00	0.00 ± 0.00	0.28	0.74 ± 0.30	0.49	0.74 ± 0.30	0.00 ± 0.00	0.000
UNC-FSS-SR-038B	10/12/11 10:20	Bias	Sand	1	2142.0	60	10/12/11 10:57	0.00 ± 0.00	35.50	0.00 ± 0.00	0.32	0.92 ± 0.30	0.46	0.92 ± 0.30	0.00 ± 0.00	0.000
UNC-FSS-SR-039B	10/12/11 10:30	Bias	Sand	1	2130.5	60	10/12/11 12:02	0.00 ± 0.00	31.60	0.00 ± 0.00	0.28	0.63 ± 0.23	0.46	0.63 ± 0.23	0.00 ± 0.00	0.000
UNC-FSS-SR-040B	10/17/11 14:00	Bias	Sand	1	1919.0	60	10/17/11 12:14	0.00 ± 0.00	31.90	0.00 ± 0.00	0.29	0.56 ± 0.26	0.56	0.56 ± 0.26	0.00 ± 0.00	0.000
UNC-FSS-SR-040BFD	10/17/11 14:10	FD	Sand	1	2018.5	60	10/18/11 11:37	0.00 ± 0.00	32.70	0.00 ± 0.00	0.29	0.59 ± 0.18	0.44	0.59 ± 0.18	0.00 ± 0.00	0.000
UNC-FSS-SR-041B	10/24/11 9:30	Bias	Sand	1	2003.0	60	10/24/11 9:45	0.00 ± 0.00	31.20	0.00 ± 0.00	0.28	0.66 ± 0.34	0.44	0.66 ± 0.34	0.00 ± 0.00	0.000
UNC-FSS-SR-041BFD	10/24/11 9:45	FD	Sand	1	2008.5	60	10/24/11 12:48	0.00 ± 0.00	32.00	0.00 ± 0.00	0.28	0.72 ± 0.40	0.55	0.72 ± 0.40	0.00 ± 0.00	0.000
UNC-FSS-SR-042B	10/25/11 10:45	Bias	Sand	1	2171.0	60	10/25/11 11:51	0.00 ± 0.00	31.90	0.00 ± 0.00	0.27	0.55 ± 0.29	0.56	0.55 ± 0.29	0.00 ± 0.00	0.000
UNC-FSS-SR-043B	10/26/11 11:15	Bias	Sand	1	2002.5	60	10/26/11 13:34	0.00 ± 0.00	31.70	0.00 ± 0.00	0.29	0.47 ± 0.32	0.59	0.47 ± 0.32	0.00 ± 0.00	0.000
UNC-FSS-SR-044B	10/27/11 9:45	FSS	Sand	1	1857.5	60	10/27/11 10:34	0.00 ± 0.00	37.90	0.00 ± 0.00	0.35	0.84 ± 0.36	0.60	0.84 ± 0.36	0.00 ± 0.00	0.000
UNC-FSS-SR-045B	11/1/11 10:15	FSS	Sand	1	2141.5	60	11/1/11 12:34	0.00 ± 0.00	37.70	0.00 ± 0.00	0.32	0.00 ± 0.00	0.69	0.00 ± 0.00	0.00 ± 0.00	0.000
UNC-FSS-SR-046B	11/2/11 9:45	FSS	Sand	1	2225.0	60	11/2/11 11:16	0.00 ± 0.00	33.10	0.00 ± 0.00	0.29	0.82 ± 0.30	0.43	0.82 ± 0.30	0.00 ± 0.00	0.000
UNC-FSS-SR-047B	11/4/11 9:45	FSS	Sand	1	2132.5	60	11/7/11 8:53	0.00 ± 0.00	33.80	0.00 ± 0.00	0.30	0.85 ± 0.30	0.46	0.85 ± 0.30	0.00 ± 0.00	0.000
UNC-FSS-SR-047BFD	11/4/11 9:45	FD	Sand	1	2062.5	60	12/9/11 11:44	0.00 ± 0.00	32.40	0.00 ± 0.00	0.29	0.86 ± 0.00	0.86	0.86 ± 0.00	0.00 ± 0.00	0.000
UNC-FSS-SR-048B	11/14/11 13:45	Bias	Sand	1	2147.5	60	11/15/11 8:08	0.00 ± 0.00	30.00	0.00 ± 0.00	0.29	0.47 ± 0.26	0.47	0.47 ± 0.26	0.00 ± 0.00	0.000
UNC-FSS-SR-049B	11/16/11 11:00	Bias	Sand	1	2236.0	60	11/16/11 12:39	0.00 ± 0.00	32.50	0.00 ± 0.00	0.30	0.85 ± 0.41	0.53	0.85 ± 0.41	0.00 ± 0.00	0.000
UNC-FSS-SR-050B	11/16/11 12:45	Bias	Sand	1	2321.5	60	11/16/11 13:48	0.00 ± 0.00	33.80	0.00 ± 0.00	0.31	0.56 ± 0.21	0.47	0.56 ± 0.21	0.00 ± 0.00	0.000
UNC-FSS-SR-051B	11/16/11 14:00	Bias	Sand	1	2201.5	60	11/18/11 9:19	0.00 ± 0.00	30.80	0.00 ± 0.00	0.27	0.55 ± 0.20	0.42	0.55 ± 0.20	0.00 ± 0.00	0.000
UNC-FSS-SR-052B	11/17/11 9:30	Bias	Sand	1	2220.0	60	11/17/11 13:45	0.00 ± 0.00	31.70	0.00 ± 0.00	0.28	0.00 ± 0.00	0.63	0.00 ± 0.00	0.00 ± 0.00	0.0