

Figure 1 Locations of MDA G extraction and monitoring boreholes

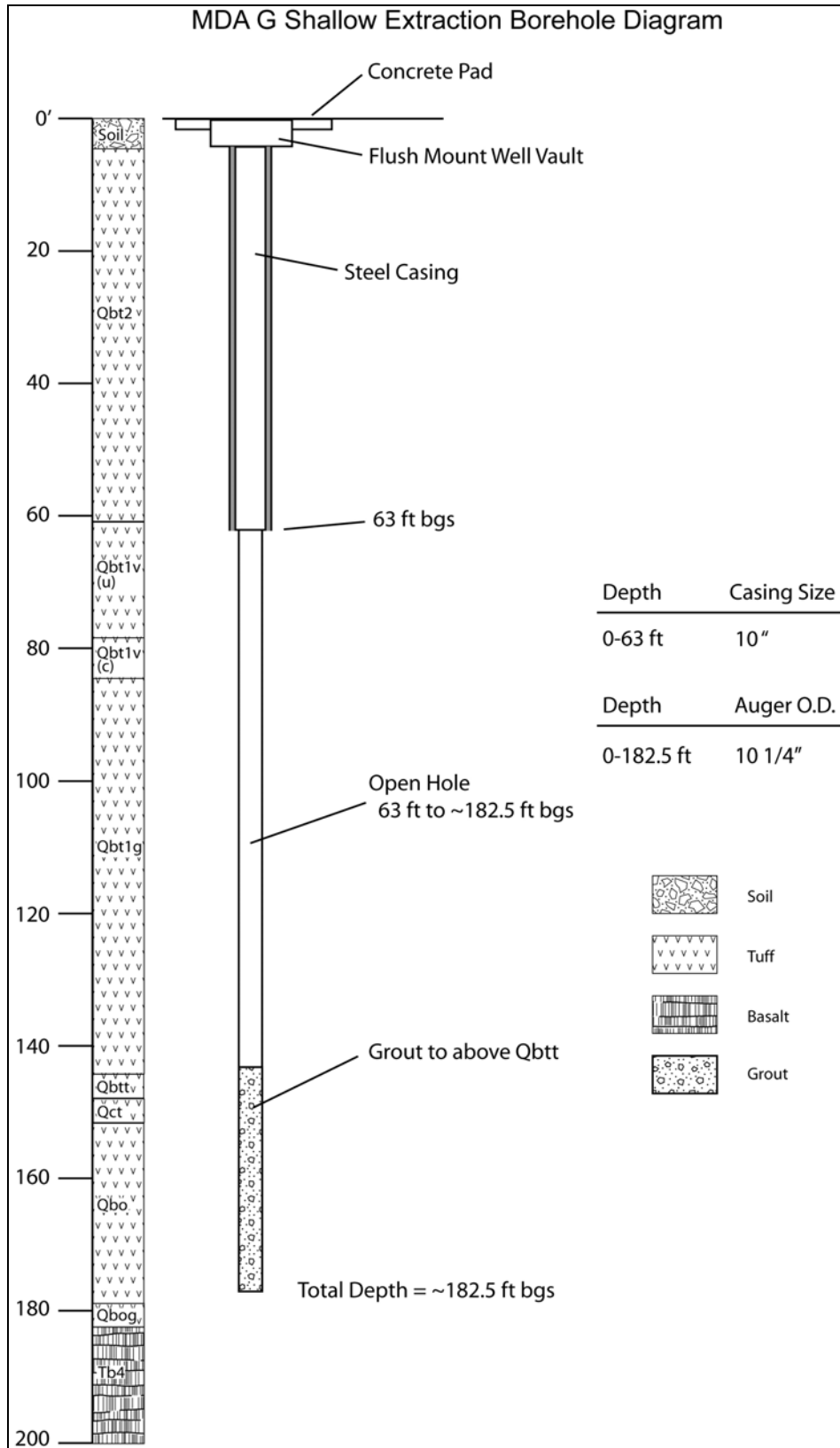


Figure 2 MDA G shallow-extraction borehole

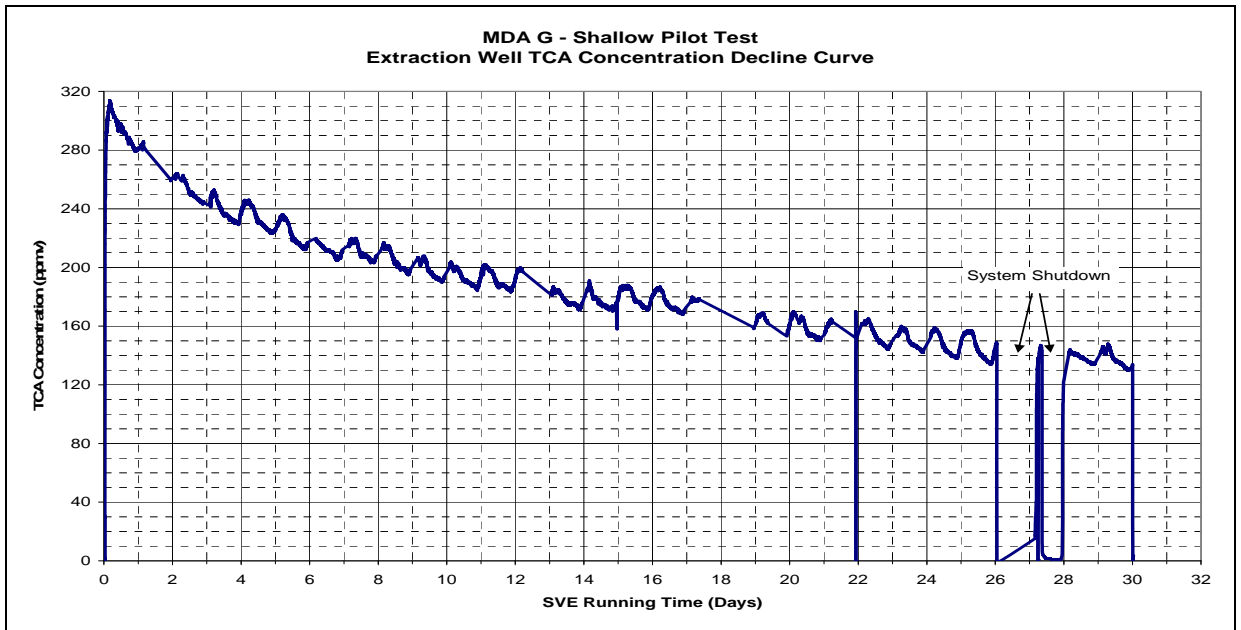


Figure 3 TCA concentration trends during the MDA G shallow SVE pilot test

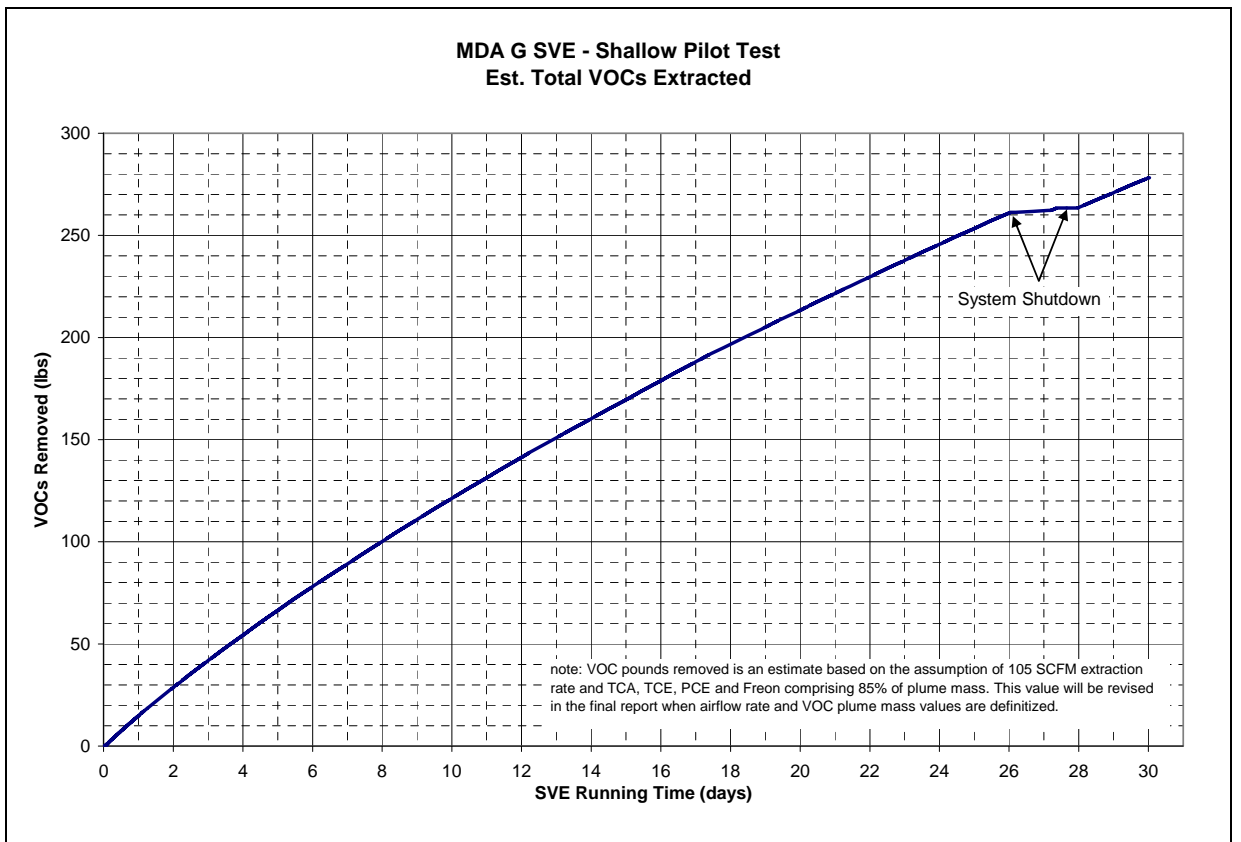


Figure 4 MDA G shallow SVE pilot test VOC mass trend

Table 1
Shallow Extraction Test TCA Results from 54-24378 (in ppmv)

Depth (ft)	5/30/2008	6/5/2008	6/12/2008	7/8/2008	7/15/2008	7/22/2008	7/30/2008	8/6/2008	8/13/2008	8/20/2008
22.5	520	539	571	543	412	250	114	111	122	143
42.5	544	547	583	570	507	401	250	241	223	194
66.5	446	490	474	444	462	340	264	212	239	216
82.5	380	496	375	740	460	403	372	342	319	228
97.5	349	331	363	339	171	133	76.2	130	319	307
132.1	203	200	184	207	186	183	183	176	178	173
151.5	156	160	143	178	144	130	104	116	152	145
167.5	118	120	103	140	115	98.5	77.5	83.2	102	98.5
190	0.658	8.35	2.59	3.21	0.132	0.95	0.412	-0.322	1.23	1.66

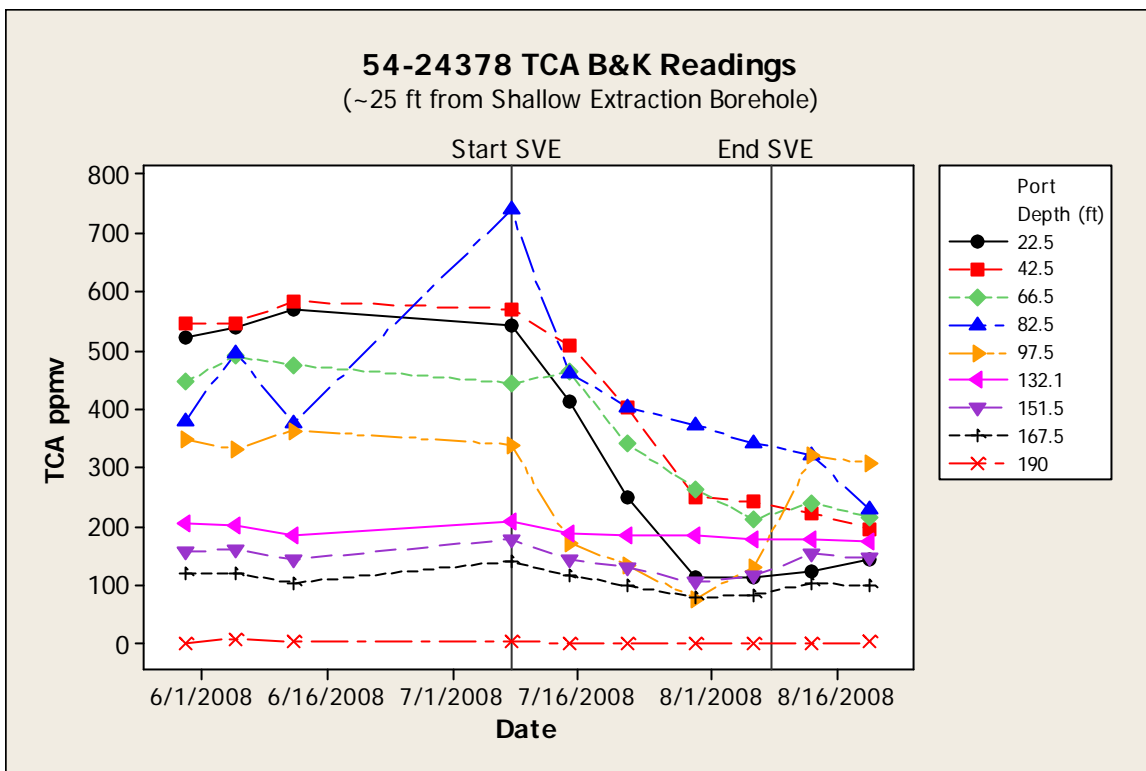


Figure 5 TCA concentrations at borehole 54-24378 during the shallow SVE pilot test

Table 2
Shallow Extraction Test TCA Results from 54-01116 (in ppmv)

Depth (ft)	5/30/2008	6/4/2008	6/11/2008	7/9/2008	7/15/2008	7/16/2008	7/22/2008	7/30/2008	8/6/2008	8/13/2008	8/20/2008
22.5	265	269	303	257	136	122	53.7	27.5	14.4	18.4	21.9
42.5	262	266	286	262	217	203	140	76.7	44.6	34.5	25.1
67.5	233	236	259	236	180	169	106	56.6	36.8	38	35.3
82.5	210	215	235	136	75.1	52.2	56.9	44.8	37.9	66.6	68.9
97.5	187	180	200	165	124	103	113	94.6	94.6	132	135
132.5	117	122	133	111	91.5	88.2	78.8	68.9	63.1	67.8	71.9
151.5	90.9	104	109	77.4	62.9	62.7	58.6	50.4	44.2	42.6	45.6
165	65.4	71	73.4	64.6	50.6	43.6	42.6	29.7	25.9	33.3	33.6
187.8	-0.227	-0.553	-0.208	0.804	0.47	0.697	1.21	1.19	0.313	1.23	-2.4

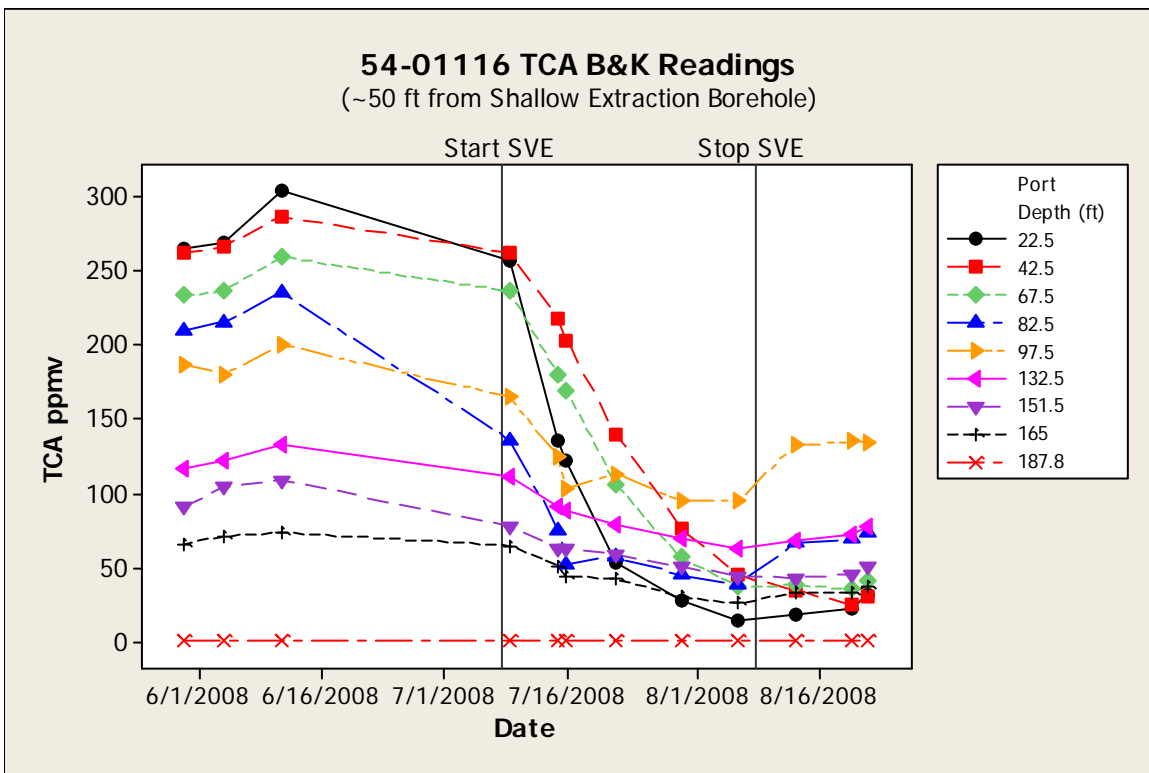


Figure 6 TCA concentrations at borehole 54-01116 during the shallow SVE pilot test

Table 3
Shallow Extraction Test TCA Results from 54-24388 (in ppmv)

Depth (ft)	5/30/2008	6/5/2008	6/12/2008	7/10/2008	7/17/2008	7/22/2008	7/30/2008	8/6/2008	8/13/2008	8/21/2008
22.5	51.7	60.7	68.3	44.8	21.5	17.3	15.5	8.19	13.4	12.1
42.5	49.1	54.3	63.5	42.9	25	21.7	17.8	10.6	16.6	15.8
67.5	48.6	41	61.8	55.7	47.1	43.7	37.1	27.1	32.5	22.4
82.5	44.9	38.8	53.9	26.1	16.9	18.7	20.6	13.1	20.4	17.7
97.5	35.6	39.8	44.8	44	24.1	39	37.1	30.3	38.7	32.6
132.5	34.4	34.2	32.2	37.1	31.8	29.8	32.6	27.9	31.9	28.2
151.5	29.2	29.2	28.2	28.6	23.3	26	21.1	17.7	26.1	25.5
167.5	4.47	4.43	7.04	5.47	5.58	5.98	5.84	2.54	3.7	3.99
189.5	0.024	-0.562	0.588	-0.103	0.411	0.72	1.26	0.012	0.694	0.602

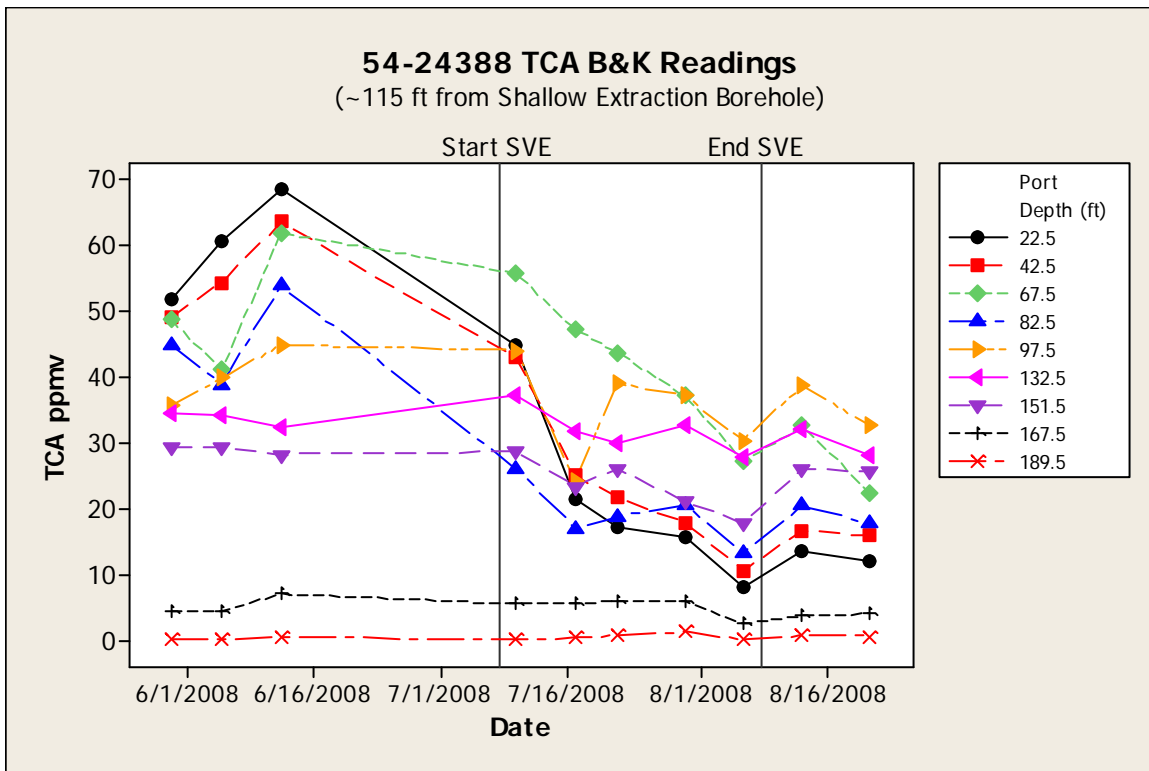


Figure 7 TCA concentrations at borehole 54-24388 during the shallow SVE pilot test

Table 4
Shallow Extraction Test TCA Results from 54-01117

Depth (ft)	6/9/2008	6/12/2008	7/10/2008	7/17/2008	7/21/2008	7/25/2008	7/30/2008	8/6/2008	8/13/2008	8/20/2008
20	30.2	33.9	27.2	18	10.6	10.6	9.65	4.55	-1.8	2.46
42.5	45.8	31.1	40	29.2	23.9	20.9	18.1	12.9	8.87	14.6
67.5	56.1	63	57.9	48	44	39.6	35.4	27.6	26.1	32.3
82	55	64.1	66.6	45.8	65.9	46.3	52	44.6	49	55.4
97.5	58.7	72.2	74.8	51.7	74.7	56.7	61.3	59.8	63.6	71.9
132.5	46.4	63.6	73.8	58.9	69.9	53.8	58.1	56.7	57.6	69.8
150	17.7	25.7	38.2	36.5	38.4	32.2	34.1	30.9	28.7	36.4
159.5	17.9	27.5	36.4	32.9	29.9	27.2	28.9	27	27.3	31.7
179.8	0.139	1.84	0.487	0.914	1.05	0.928	1.4	0.679	-0.317	-0.221

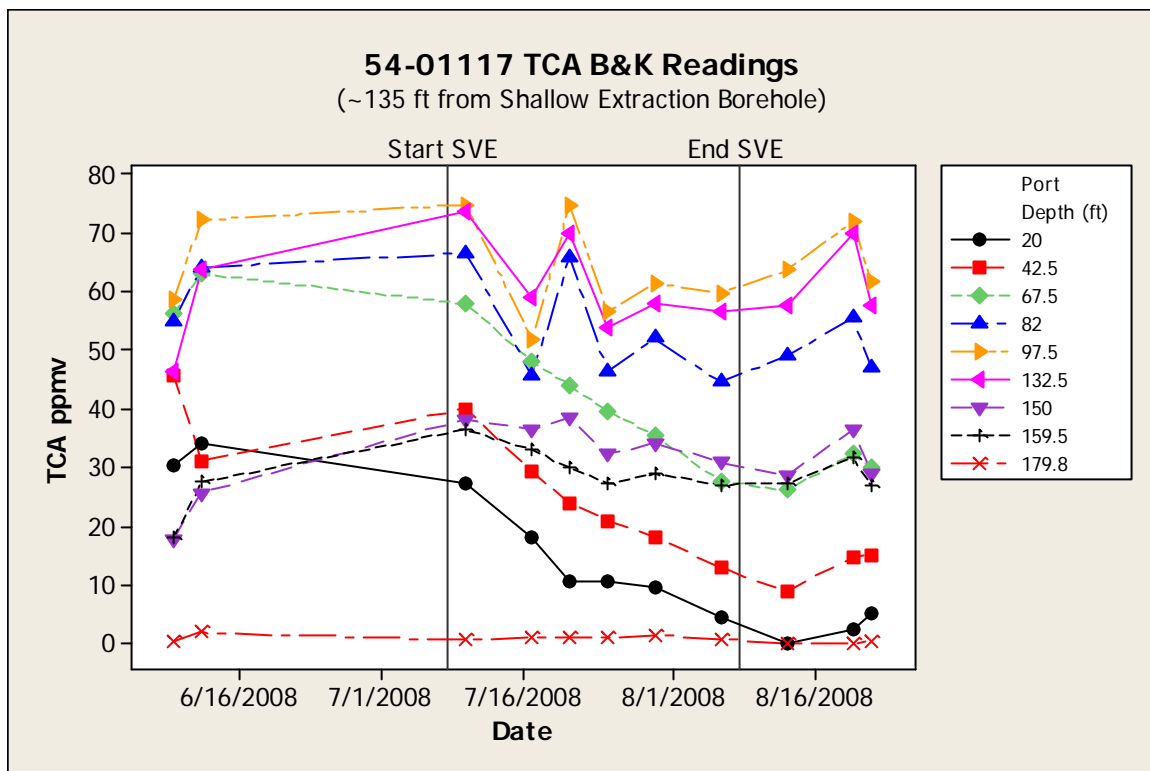


Figure 8 TCA concentrations at borehole 54-01117 during the shallow SVE pilot test

Table 5
Shallow Extraction Test Morning Manometer Readings in Borehole 54-24378 (in kPa)

Depth (ft)	5/30/2008	6/5/2008	6/12/2008	7/8/2008	7/15/2008	7/22/2008	7/30/2008	8/6/2008	8/13/2008	8/20/2008
22.5	0.00	0.00	0.00	0.00	-0.10	-0.09	-0.12	-0.11	-0.04	-0.02
42.5	0.00	0.00	0.00	0.00	-0.11	-0.10	-0.13	-0.11	-0.03	-0.02
66.5	0.00	0.00	-0.02	-0.06	-0.17	-0.98	-1.09	-1.07	-0.09	-0.03
82.5	0.00	0.00	-0.03	-0.07	-1.04	-1.05	-1.18	-1.13	-0.10	-0.03
97.5	0.00	0.00	-0.05	-0.09	-0.94	-0.98	-1.09	-1.06	-0.11	-0.03
132.1	0.00	0.00	-0.19	-0.16	-0.59	-0.59	-0.74	-0.70	-0.15	-0.03
151.5	0.00	0.00	-0.21	-0.17	-0.30	-0.21	-0.35	-0.33	-0.15	-0.03
167.5	0.00	0.00	-0.15	-0.04	-0.13	-0.16	-0.26	-0.21	-0.13	-0.03
190	0.00	0.00	-0.03	-0.06	-0.05	-0.05	-0.10	-0.07	-0.09	-0.03

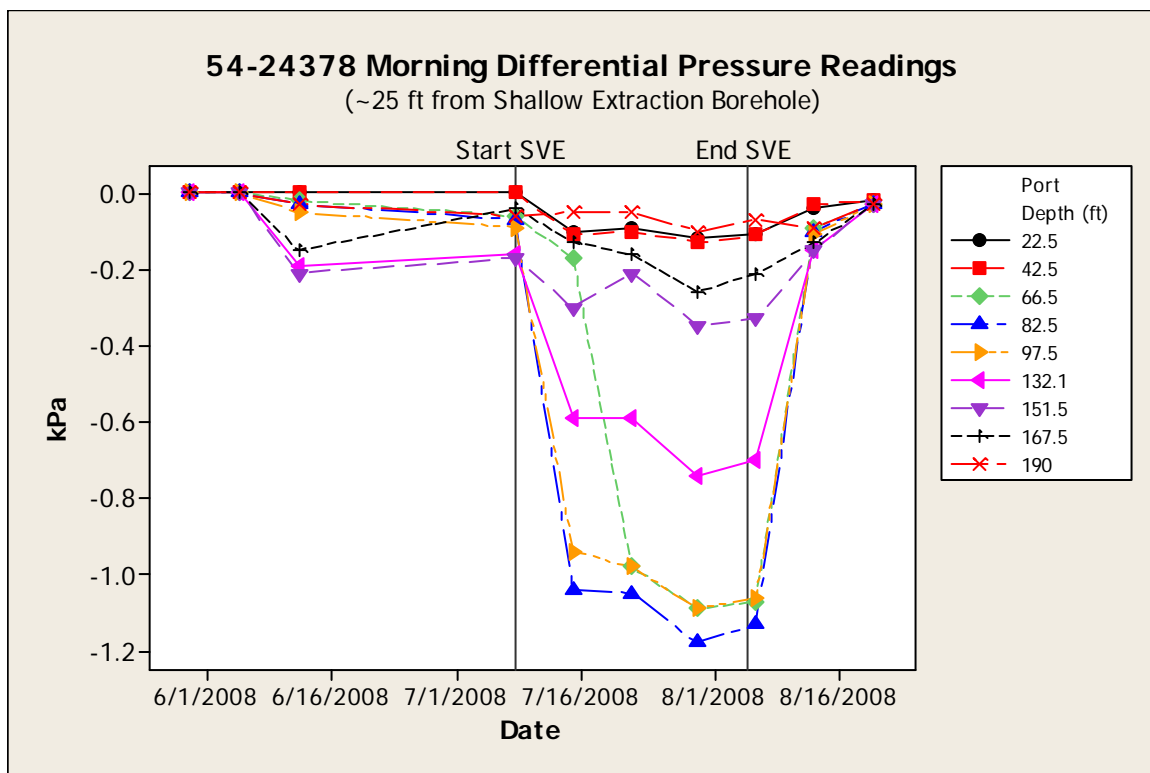


Figure 9 Differential pressure in borehole 54-24378 during the shallow SVE pilot test

Table 6
Shallow Extraction Test Morning Manometer Readings in Borehole 54-01116 (in kPa)

Depth (ft)	5/30/2008	6/4/2008	6/11/2008	7/9/2008	7/15/2008	7/16/2008	7/22/2008	7/30/2008	8/6/2008	8/13/2008	8/20/2008
22.5	0.00	0.00	0.00	-0.07	-0.08	-0.09	-0.07	-0.09	-0.08	-0.02	0.00
42.5	0.00	0.00	0.00	-0.09	-0.10	-0.11	-0.09	-0.12	-0.10	-0.03	0.00
67.5	0.00	0.00	0.01	-0.63	-0.59	-0.61	-0.60	-0.67	-0.61	-0.08	-0.02
82.5	0.00	0.00	0.01	-0.86	-0.78	-0.81	-0.79	-0.88	-0.85	-0.09	-0.02
97.5	0.00	0.00	0.02	-0.81	-0.71	-0.75	-0.72	-0.83	-0.78	-0.11	-0.02
132.5	0.00	0.00	0.01	-0.58	-0.48	-0.55	-0.43	-0.59	-0.53	-0.15	-0.02
151.5	0.00	0.00	0.05	-0.36	-0.29	-0.35	-0.20	-0.37	-0.32	-0.15	-0.03
165	0.00	0.00	0.02	-0.24	-0.20	-0.24	-0.14	-0.26	-0.22	-0.13	-0.02
187.8	0.00	0.00	0.05	-0.06	-0.06	-0.08	-0.05	-0.10	-0.06	-0.09	-0.02

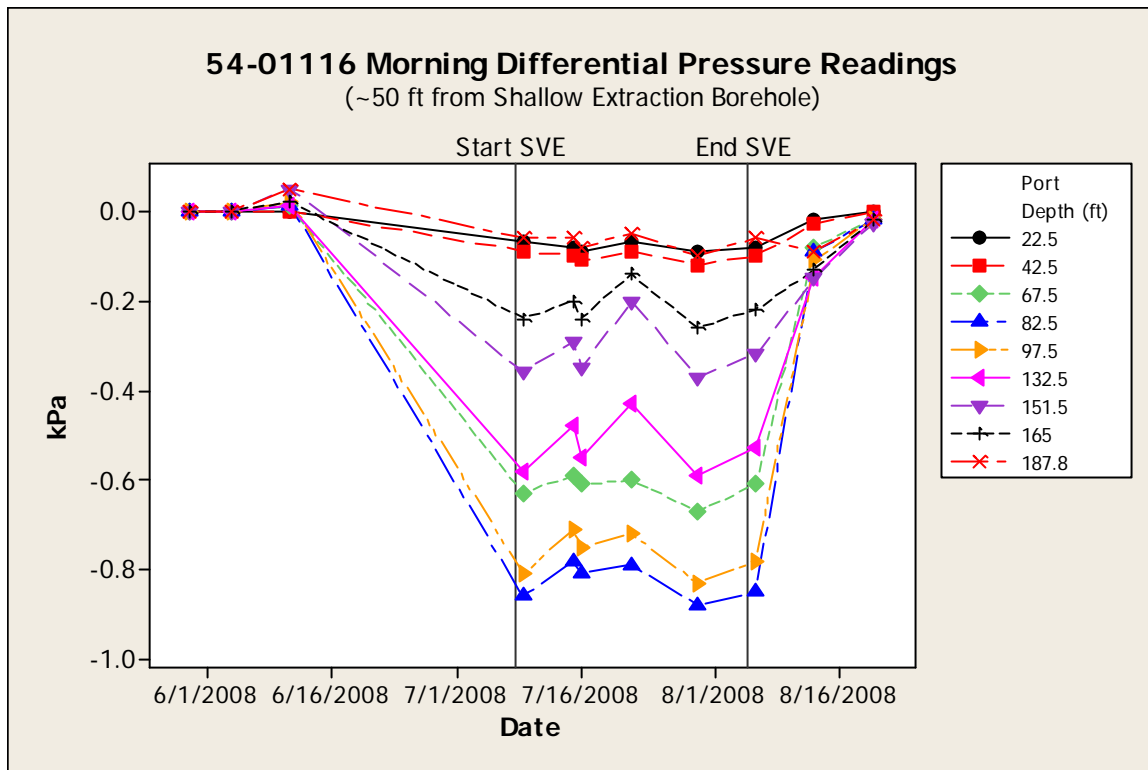


Figure 10 Differential pressure in borehole 54-01116 during the shallow SVE pilot test

Table 7
Shallow Extraction Test Morning Manometer Readings in Borehole 54-24388 (in kPa)

Depth (ft)	5/30/2008	6/5/2008	6/12/2008	7/10/2008	7/17/2008	7/22/2008	7/29/2008	8/6/2008	8/13/2008	8/20/2008
22.5	0.01	0.00	0.00	-0.07	-0.06	-0.07	-0.10	-0.08	-0.02	0.00
42.5	0.01	0.00	0.00	-0.08	-0.07	-0.07	-0.10	-0.08	-0.03	0.00
67.5	0.00	0.00	-0.02	-0.31	-0.24	-0.30	-0.35	-0.32	-0.07	-0.02
82.5	0.00	0.00	-0.04	-0.47	-0.34	-0.48	-0.52	-0.48	-0.09	-0.03
97.5	0.00	0.00	-0.09	-0.39	-0.34	-0.36	-0.45	-0.42	-0.11	-0.02
132.5	0.00	0.00	-0.19	-0.26	-0.23	-0.24	-0.32	-0.30	-0.14	-0.02
151.5	0.00	0.00	-0.17	-0.21	-0.18	-0.19	-0.23	-0.25	-0.14	-0.02
167.5	0.00	0.00	-0.08	-0.09	-0.08	-0.09	-0.18	-0.13	-0.12	-0.03
189.5	0.00	0.00	-0.02	-0.04	-0.04	-0.04	-0.11	-0.06	-0.08	-0.02

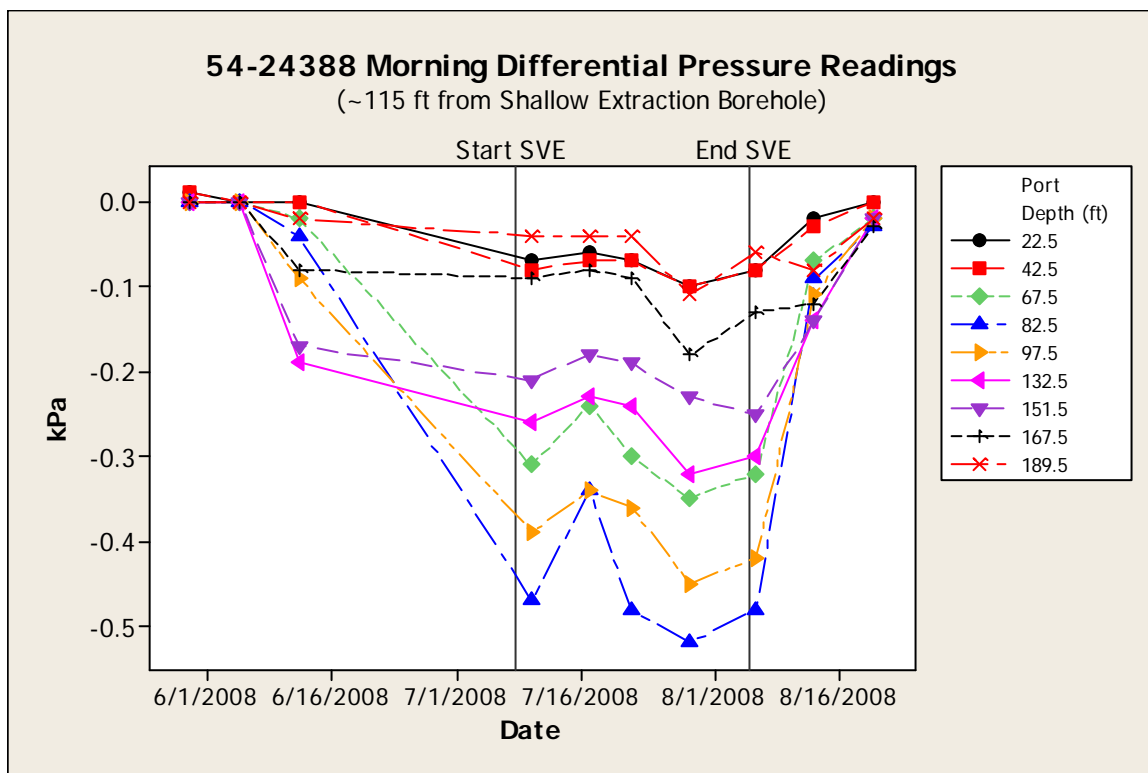


Figure 11 Differential pressure in borehole 54-24388 during the shallow SVE pilot test

Table 8
Shallow Extraction Test Morning Manometer Readings in Borehole 54-01117 (in kPa)

Depth (ft)	6/9/2008	6/12/2008	7/10/2008	7/17/2008	7/21/2008	7/25/2008	8/1/2008	8/6/2008	8/13/2008	8/20/2008
20	0.00	0.00	-0.08	-0.07	-0.07	-0.10	-0.11	-0.08	0.00	0.00
42.5	0.02	0.00	-0.09	-0.07	-0.07	-0.12	-0.12	-0.08	-0.02	0.00
67.5	0.00	0.00	-0.35	-0.29	-0.32	-0.41	-0.42	-0.36	-0.06	-0.02
82	-0.02	0.00	-0.42	-0.36	-0.40	-0.51	-0.52	-0.45	-0.08	-0.02
97.5	-0.11	-0.04	-0.37	-0.35	-0.33	-0.48	-0.49	-0.40	-0.12	-0.02
132.5	-0.15	-0.08	-0.27	-0.27	-0.23	-0.41	-0.43	-0.31	-0.14	-0.02
150	-0.11	-0.03	-0.16	-0.16	-0.13	-0.27	-0.30	-0.19	-0.12	-0.02
159.5	-0.08	-0.01	-0.13	-0.13	-0.10	-0.24	-0.24	-0.16	-0.11	-0.02
179.8	0.00	0.00	-0.04	-0.04	-0.08	-0.12	-0.12	-0.06	-0.07	0.00

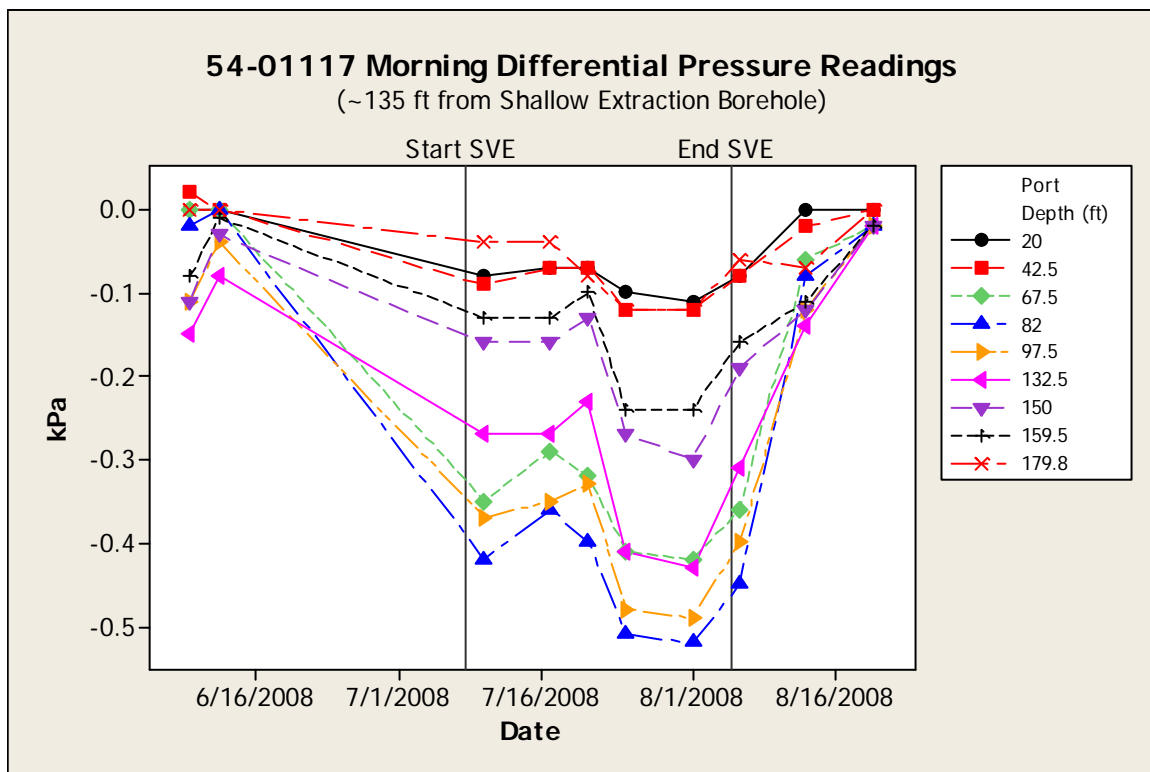


Figure 12 Differential pressure in borehole 54-01117 during the shallow SVE pilot test

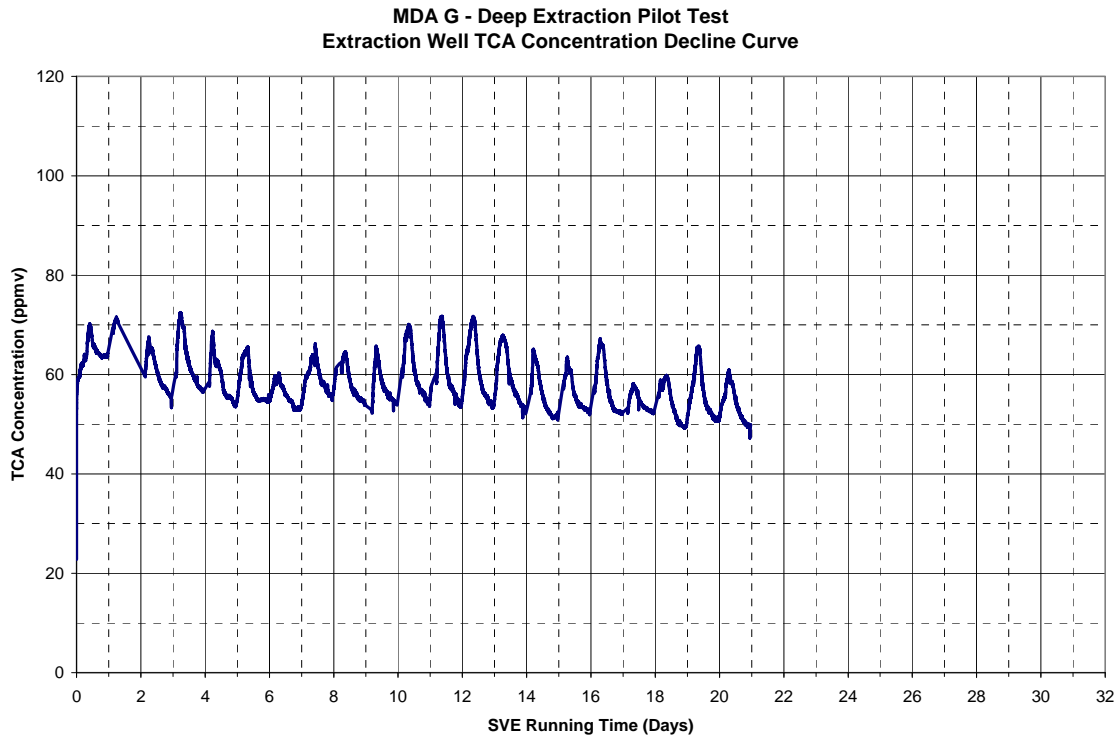


Figure 14 TCA concentration trends during the MDA G deep SVE pilot test

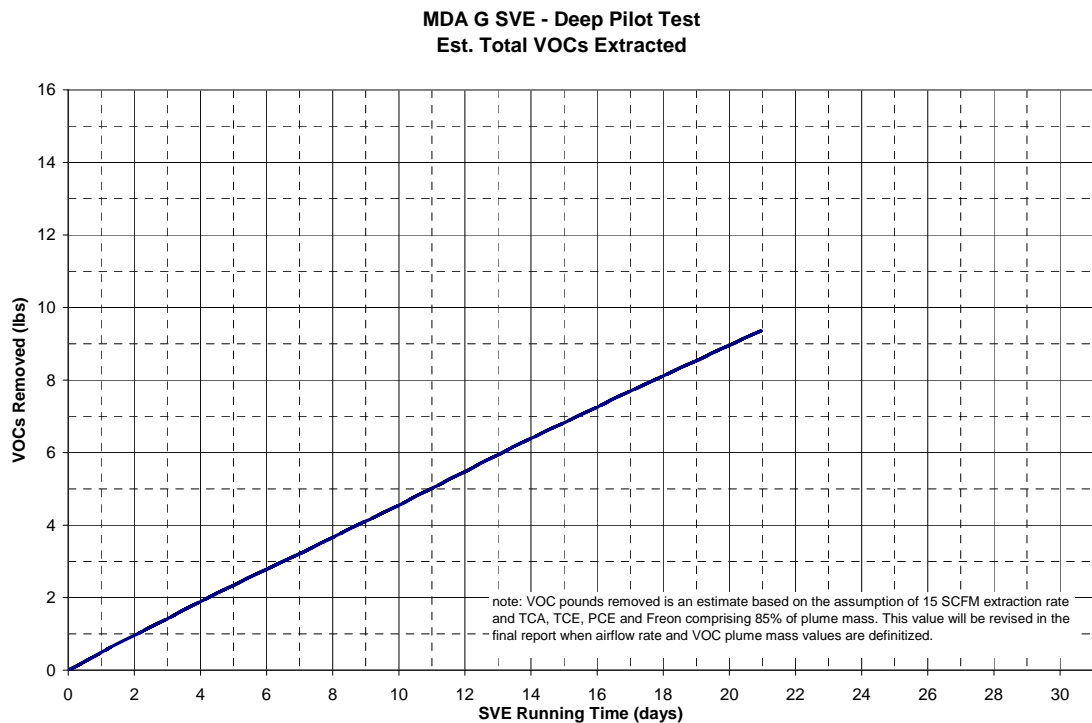


Figure 15 Estimated mass of VOCs removed during deep-extraction test