

Soil Vapor Extraction / Air Sparging Pilot Study

DATE:

Elapsed Time (hrs)	Time	Flow Rate		Pressure		Vacuum / Pressure (in. of wc)					OVM (ppm)	Water Sample	Air Sample	Time	Water Level (TOC)					Dissolved Oxygen					Visual Observations					
		CFM		IN.	PSI	MW-2	MW-3	MW-4	MW-5	SVE-1					MW2	MW3	MW4	MW5	SVE-1	MW	MW	MW	MW							
		SVE	WP	SVE	WP																									
0.25	8:45	5.0	3.0	14.0	8.0	2.61	2.96	4.07	4.24	4.24		2/4	✓	0	9.14	4.20	4.65	4.51	-	87	.41	.30	.26	.32						
0.5	9:20													0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0.75	9:50													0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	9:45	5.0	3.0	14.0	8.0	1.8	0.5	0.0	0.0	0.0		✓	-	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.25	10:00													1	3.28	3.32	4.12	4.24	4.24											
1.5	10:15													1.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.75	10:30													1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	10:45	5.0	3.0	22.0	8.0	0.8	.15	0.0	0.0	0.0		-	-	1.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	11:45	5.0	3.0	22.0	8.0	.75	.07	0.0	0.0	0.0		-	-	2	3.82	3.77	4.24	4.27	4.27											
4	12:45	-	3.0	-	8.2	.75	.07	.01	0.0	0.0		-	-	3	4.05	3.88	4.33	4.28	4.28	Water In SVE										
5	1:45											-	-	4	4.08	3.92	4.35	4.29	4.31											
6	2:45	-	3.0	-	8.2	.65	.06	.01	0.0	0.0		-	-	5																
7	3:45											-	-	6	4.16	4.03	4.45	4.32	4.37											
8	4:45	-	3.0	-	8.2	.65	.05	.00	0.0	0.0		✓	⊗	7																
9	5:45											-	-	8	4.18	4.07	4.51	4.36	4.42											
10	6:45	-	3.0	-	8.2	.65	.05	.00	.00	.00		-	-	9																
12	8:45	-	3.0	-	8.2	.60	.05	.00	.00	.00		✓	-	10	4.20	4.09	4.55	4.39	4.49											
14	10:45	-	4.0	-	8.2	.55	.06	.01	.01	.00		-	-	12	4.24	4.11	4.59	4.41	4.46	7.55	4.38	.25	.26	.41		VB	VB	NB	NB	NP
16	12:45	-	4.0	-	8.2	.59	.07	.02	.03	0.0		✓	⊗	14	5.12	3.89	4.42	4.37	4.40	8.49	4.47	.36	.24	.21		VB	VB	NB	NB	NB
18	2:45	-	4.0	-	8.2	.74	.07	.02	.04	.05		✓	-	16	5.75	3.82	4.38	4.34	4.38	8.37	5.45	.26	.20	.19		VB	VB	NB	NB	NB
20	4:45	-	4.0	-	8.2	.79	.07	.02	.04	.08		✓	-	18	3.90	3.81	4.42	4.35	4.38	8.22	5.71	.21	.19	.17		VB	VB	NB	NB	NB
22	6:45	-	4.0	-	8.2	.79	.07	.02	.04	.05		✓	⊗	20	4.14	4.10	4.55	4.40	4.44	8.60	5.93	.28	.24	.18		VB	VB	NB	NB	NB
24	8:45	-	4.0	-	8.2	.79	.07	.02	.04	.05		✓	⊗	22	4.26	4.16	4.63	4.45	4.52	8.60	6.10	.35	.33	.20		VB	VB	NP	NB	NB
26	10:45											-	-	24	4.28	4.19	4.65	4.47	4.55	8.76	6.15	.31	.24	.29		VB	VB	NB	NB	NB
28	12:45	-	4.0	-	8.2	.72	.05	.00	.02	.00		✓	-	26																
30	2:45											-	-	28	4.28	4.19	4.63	4.47	4.53	8.65	6.30	.30	.25	.19		VB	VB	NB	NB	NB
32	4:45	-	4.0	-	8.2	.66	.04	.00	.01	.00		✓	⊗	30																
34	6:45											-	-	32	4.32	4.22	4.65	4.49	4.53	8.83	6.48	.28	.26	.22		VB	VB	NB	NB	NB
36	8:45	-	4.0	-	8.2	.62	.04	.00	.01	.00		✓	-	34																
38												-	-	36	4.37	4.27	4.69	4.52	4.58	8.81	6.62	.35	.28	.25		VB	VB	NB	NB	NB
40												-	-	38																
42												-	-	40																
44												-	-	42																
46												-	-	44																
48												-	-	46																
												-	-	48																