

Soil Vapor Monitoring

DISCLAIMER: Preliminary Data: Undergoing Validation - Subject to Change

AVERAGE SOIL VAPOR CONCENTRATION READINGS (PPBV)

Table with columns for DATE, SV02 S, SV02 M, SV02 D, SV03 S, SV03 M, SV03 D, SV04 S, SV04 M, SV04 D, SV05 S, SV05 M, SV05 D, SV06 S, SV06 M, SV06 D, SV07 S, SV07 M, SV07 D, SV08 S, SV08 M, SV08 D, SV09 S, SV09 M, SV09 D, SV10 S, SV10 M/D, SV11 S, SV11 M/D, SV12 S, SV12 M, SV12 D, SV13 S, SV13 M, SV13 D, SV14 S, SV14 M, SV14 D, SV15 S, SV15 M, SV15 D, SV16 S, SV16 M, SV16 D, SV17 S, SV17 M, SV17 D, SV18 S, SV18 D, SV20 S, SV20 M, SV20 D. Rows represent dates from 5/10/2021 to 5/10/2022.

5/18/2022	0	0	0	0	0	0	0	0	0	17	58	261	3812	175	48	36	426	17	32	41	30	30	52	52	67	48	60	111	68	93	48	41	86	238	276	948	67	NC2	57	136	136	69	458	733	774	1226	1248	368	668	390		
5/25/2022 <sup>1</sup>	113	65	59	120	88	128	102	113	125	232	605	440	3951	347	235	512	563	207	177	194	197	208	228	133	155	154	153	180	152	162	134	118	160	227	223	849	72	NC2	87	142	121	99	350	371	367	1240	785	323	605	404		
6/1/2022	3	1	1	2	3	2	1	6	13	116	154	334	5577	436	157	164	523	123	148	142	141	145	180	162	187	228	291	240	213	213	220	228	242	364	331	1095	234	NC2	216	305	244	220	3724	3692	2719	6578	6855	1099	2063	1136		
6/8/2022	0	0	0	0	0	0	0	0	0	0	0	0	0	33	55	54	183	51	52	55	59	70	77	68	47	94	70	116	110	0	25	39	40	415	655	846	24	NC2	61	38	48	51	2946	4909	2372	6364	8189	2640	3346	3124		
6/15/2022	9	72	1	8	3	56	6	7	26	150	167	308	5072	346	0	0	254	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	30	743	0	NC2	0	0	0	0	2432	3761	2452	6952	8955	1033	979	1233			
6/22/2022	0	0	0	0	0	1	0	0	0	0	41	51	4708	316	19	95	651	0	0	1	0	4	5	13	2	30	17	99	36	26	52	52	83	174	139	900	36	NC2	34	148	107	64	1795	3076	2342	6847	8876	1261	1341	1986		
6/28/2022	5	0	1	9	8	105	11	66	76	168	243	403	5228	328	0	0	469	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	5	807	0	NC2	0	0	0	0	2240	3029	1746	3094	8692	1600	1300	1988			
7/5/2022	0	0	142	0	0	0	0	0	0	0	364	237	4761	82	24	10	499	0	5	16	2	20	36	9	10	22	33	90	31	33	60	67	101	154	157	1095	78	NC2	71	165	108	101	1264	2441	1821	3017	4381	1153	1940	1553		
7/12/2022	0	0	0	0	0	0	0	0	0	0	1	994	4633	90	1	251	437	85	0	0	115	4	0	1	0	4	3	68	6	26	57	57	89	270	219	882	90	NC2	70	153	109	98	1159	1620	1888	3110	5155	1197	1513	1659		
7/19/2022	0	0	0	0	0	0	0	0	0	21	79	250	4358	410	95	46	533	30	28	36	22	32	57	60	28	80	77	148	67	76	89	95	152	353	216	1003	77	NC2	86	207	135	130	1427	2649	1768	4599	6338	1252	1491	1429		
7/25/2022	0	0	0	0	0	29	31	1	1	11	132	178	111	5163	293	144	168	627	59	68	67	65	66	45	63	36	90	96	184	111	100	161	145	175	236	230	1121	164	NC2	166	286	194	185	958	4867	1763	3971	6443	6338	1252	1491	1517
8/2/2022	0	0	0	0	0	4	0	4	60	1015	104	236	5045	194	147	97	508	65	26	201	46	52	96	46	45	95	112	157	76	70	106	106	151	190	184	951	128	NC2	116	188	131	130	1080	2314	2311	4927	6972	1369	1688	1598		
8/9/2022	0	0	0	0	0	45	1	3	7	75	248	245	3355	331	110	121	398	74	80	78	73	77	108	83	68	89	109	135	88	95	114	115	140	193	184	634	97	NC2	99	169	133	114	658	1865	1351	2163	3765	886	941	1050		
8/16/2022	0	0	0	0	0	0	0	0	0	92	120	279	5360	291	93	73	454	30	51	36	26	23	42	8	0	21	43	92	16	9	63	62	103	134	125	759	59	NC2	82	163	124	80	860	2415	1714	7193	7832	1250	1406	1189		
8/23/2022	66	75	60	68	84	152	133	229	201	305	339	518	8774	298	309	310	658	263	329	329	286	335	358	280	264	297	311	642	333	339	379	350	410	461	461	871	346	NC2	325	363	351	318	890	929	953	4031	2861	916	843	865		
8/30/2022	0	0	0	0	0	29	0	0	0	4	32	210	3830	223	75	61	353	54	82	83	50	46	73	66	73	161	176	138	105	129	111	103	161	165	153	496	105	NC2	126	213	178	171	682	800	864	2449	3166	513	459	502		
9/6/2022	0	100	18	0	0	141	75	9	22	149	545	274	2776	273	217	421	506	197	191	143	126	132	190	241	258	168	162	481	313	338	155	166	211	327	309	863	144	NC2	188	249	172	174	514	699	696	2419	5640	623	581	572		
9/13/2022	250	252	284	382	405	507	495	495	523	634	2181	923	5721	1118	721	810	967	534	557	507	431	435	461	537	408	433	405	504	529	423	395	414	503	614	527	1038	379	NC2	360	568	468	399	2406	8202	8432	4741	4332	3592				
9/19/2022	0	0	0	0	0	0	0	0	0	0	55	0	4424	120	0	0	336	0	0	0	0	0	31	19	13	19	4	192	32	60	2	28	37	149	113	572	0	NC2	8	50	21	23	547	721	949	2406	4455	586	459	504		
9/26/2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186	0	0	0	0	0	0	0	0	0	0	151	0	33	0	0	0	0	253	26	537	0	NC2	0	41	32	0	427	609	755	2015	3196	561	425	490	
10/20/2022	1	1	60	6	7	108	130	72	262	68	189	306	4392	427	0	0	186	0	0	0	0	0	0	0	0	0	0	151	0	33	0	0	0	0	253	26	537	0	NC2	0	41	32	0	427	609	755	2015	3196	561	425	490	
11/8/2022	106	76	37	9	30	216	101	44	181	60	153	1845	3595	298	304	341	516	88	134	108	117	141	139	133	137	199	171	333	153	344	219	167	237	257	240	624	212	NC2	394	251	174	194	504	569	639	3995	4625	480	531	564		
11/15/2022	0	0	0	0	0	16	20	82	64	121	308	4607	368	385	376	632	124	143	141	112	115	121	136	145	216	205	265	220	219	230	215	234	245	236	636	240	NC2	271	270	254	325	587	495	609	2955	4180	573	583	555			
11/21/2022	638	527	383	305	273	238	252	249	294	300	368	520	4635	445	597	618	818	305	341	330	289	309	333	333	319	349	318	419	353	302	351	349	358	396	350	677	342	NC2	321	389	339	305	631	701	787	3712	2580	710	658	652		

Notes:  
<sup>1</sup> - "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.  
<sup>2</sup> - Soil vapor concentration measured using a ppmv PID.  
<sup>3</sup> - Epoxy coatings being applied in the area near Tank 17. Epoxy coating contain volatile organic compounds which can be detected by the monitoring equipment used to collect SVM samples.  
<sup>4</sup> - ppmv PID experienced unanticipated malfunction as indicated by a failed calibration check. PID result based on a second ppbv PID suggests the value is between 50 ppm - 150 ppm.  
<sup>5</sup> - Estimated value for SVMs at tanks 2-10 and 20 - Calibration check at end of day read 11.12 ppb, observing an approximately 11% high bias reading.  
 \* Air compressor used to clear obstruction prior to collecting sample  
 \*\* - Estimated value - Calibration check observed an approximately 40% low bias reading.  
 \*\*\* - Estimated value - Inadvertent early termination of PID reading.  
 NC - Not collected  
 NC1 - Not collected due to tank maintenance  
 NC2 - Not collected due to obstruction in vapor line  
 NC3 - Not collected - monitoring vault potentially compromised by release. Replacing tubing and cleaning valves. Sampling to begin 14 May  
 NC4 - Not collected due to a broken valve/fitting. A replacement valve is being pursued.  
 NC5 - Not collected - not required by the DOH Transition Plan.  
 Soil vapor concentration readings are reported in parts per billion by volume (ppbv).

**BACKGROUND TUNNEL AIR READINGS (PPBV)**

DATE	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6	Tank 7	Tank 8	Tank 9	Tank 10	Tank 11	Tank 12	Tank 13	Tank 14	Tank 15	Tank 16	Tank 17	Tank 18	Tank 20
5/10/2021	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	6,900	4,300	8,200	10,300	41,000	70,000	71,000
5/11/2021	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	5,455	5,037	5,068	6,308	NC	NC	NC
5/12/2021	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	11,000	8,369	130	610	NC	NC	NC
5/13/2021	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	36,550	30,120	2,617	1,239	39,740	38,730	11,900
5/14/2021	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	32,630	12,640	4,288	4,266	38,500	17,000	17,230
5/15/2021	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	11,310	3,975	3,015	3,160	31,300	23,310	51,300
5/16/2021	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10,180	3,628	3,930	4,295	39,960	21,270	33,510
5/17/2021	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	32,190	2,571	2,694	1,172	29,000	15,000	7,500
5/18/2021	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13,500	1,930	496	2,487	10,360	9,023	7,568
5/19/2021	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	6,620	1,237	631	634	5,300	9,000	6,000
5/20/2021	1,301	1,270	1,219	1,150	1,089	1,101	1,297	1,079	1,008	1,067	1,255	2,438	1,261	613	348	10,700	7,800	7,700
5/21/2021	1,323	1,168	1,051	1,154	1,606	1,578	1,364	2,303	1,352	1,404	1,317	1,968	1,053	650	598	NC1	15,200	6,200
5/22/2021	3,317	3,228	3,251	3,464	3,316	3,422	3,520	3,592	3,872	3,787	3,799	5,004	4,601	3,907	4,050	13,100	17,100	16,000
5/23/2021	1,097	1,069	1,004	1,020	1,040	1,049	1,021	932	1,003	921	1,009	3,610	469	465	348	11,600	10,800	8,100
5/24/2021	1,135	1,015	1,048	1,082	1,028	1,187	1,563	1,758	1,888	2,459	2,733	2,872	2,943	2,134	1,986	8,065	8,054	6,841
5/25/2021	970	1,054	957	945	845	1,099	946	926	1,541	1,875	2,022	2,894	2,458	2,085	530	13,000	16,000	>20,000
5/26/2021	1,817	2,036	3,608	6,460	7,201	6,820	4,902	8,302	NC	6,814	5,951	22,840	11,400	1,911	494	8,000	25,300	10,600
5/27/2021	3,605	2,652	3,725	7,278	7,426	4,895	4,637	4,281	5,403	4,575	5,784	8,932	400	187	229	6,000 <sup>2</sup>	11,200 <sup>2</sup>	7,900 <sup>2</sup>
5/28/2021	2,975	2,803	3,070	3,241	3,184	4,520	8,374	6,249	4,396	4,544	4,558	2,902	3,333	2,391	2,609	15,890	23,340	14,230
5/29/2021	3,229	3,348	3,484	3,503	3,228	3,124	3,488	3,545	3,879	3,878	4,303	9,914	3,225	3,394	3,721	9,000	10,200	10,100
5/30/2021	980	1,257	1,418	1,873	2,025	2,168	2,139	2,314	2,385	2,295	2,014	NC1	1,723	1,502	1,586	9,018	9,613	1,301
5/31/2021	898	640	1,524	1,716	1,238	1,836	954	736	626	560	645	9,503	253	0	0	5,679	5,321	2,885
6/1/2021	730	691	752	767	751	805	786	NC	NC	715	912	NC1	708	307	454	NC1	6,300	5,000
6/2/2021	846	667	653	918	1,805	1,306	1,379	1,406	1,391	1,522	1,510	NC1	877	1,018	920	10,470	10,690	11,210
6/3/2021	2,240	2,232	2,234	2,445	2,511	2,321	2,713	2,714	2,781	3,056	3,356	2,746	3,502	2,378	2,279	15,000	21,500	12,500
6/4/2021	1,131	1,105	1,120	1,024	1,813	1,479	2,683	4,737 21,000	3,876	3,216	3,600	7,549	3,907	2,360	2,257	13,500	15,900	14,500
6/5/2021	337	394	313	276	343	346	381	304	333	303	602	5,633	256	0	0	4,867	5,370	4,535
6/6/2021	618	641	693	694	750	822	756	689	779	712	875	4,412	676	391	487	5,400	4,500	4,759
6/7/2021	763	1,046	1,327	1,736	1,805	1,847	1,940	1,752	1,974	2,034	2,610	3,703	3,031	2,092	2,740	8,700	5,000	5,000
6/8/2021	645	721	1,070	1,239	1,715	1,298	1,545	1,576	1,514	1,760	2,030	2,586	1,329	1,577	1,641	13,330	9,593	15,420
6/9/2021	844	850	1,017	805	967	973	939	845	966	900	1,042	4,147	906	422	450	7,981	8,282	6,985
6/14/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	554	440	915	740	240	304	3,890	3,994	2,505

**BACKGROUND TUNNEL AIR READINGS (PPBV)**

DATE	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6	Tank 7	Tank 8	Tank 9	Tank 10	Tank 11	Tank 12	Tank 13	Tank 14	Tank 15	Tank 16	Tank 17	Tank 18	Tank 20
6/18/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	2,122	2,373	12,000	3,534	1,624	1,920	19,000	26,500	17,200
6/21/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	2,363	2,611	43,170	2,424	1,151	1,076	14,820	10,300	11,680
6/24/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	1,023	781	8,634	1,157	115	118	4,173	5,980	5,954
6/28/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	1,749	2,023	8,180	3,448	1,496	1,497	9,900 <sup>2</sup>	11,500 <sup>2</sup>	10,300 <sup>2</sup>
7/1/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	511	540	11,410	1,560	456	514	237,400 <sup>3</sup>	42,110	3,373
7/6/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	917	933	4,084	1,611	0	0	4,492	3,270	3,268
7/8/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	666	474	2,130	1,352	23	34	2,988	6,500	4,212
7/12/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	20,500	33,080	347,000	71,240	648	725	5,842	3,718	7,853
7/15/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	389	440	826	903	128	25	3,520	3,568	2,020

**BACKGROUND TUNNEL AIR READINGS (PPBV)**

DATE	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6	Tank 7	Tank 8	Tank 9	Tank 10	Tank 11	Tank 12	Tank 13	Tank 14	Tank 15	Tank 16	Tank 17	Tank 18	Tank 20
7/19/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	314	327	939	927	43	402	3,175	5,834	4,280
7/22/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	640	413	2,815	540	0	230	3,454	3,286	3,112
8/2/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	1,451	1,456	1,823	1,187	1,149	1,231	17,310	4,083	16,220
8/5/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	34	0	1,830	132	0	4	1,854	2,309	2,121
8/9/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	291	355	3,410	355	580	355	1,288	2,756	2,303
8/12/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	0	0	0	0	0	0	637	1,275	1,873
8/16/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	409	329	504	466	408	410	1,417	1,856	1,415
8/19/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	147	199	1,395	1,332	95	122	1,050	2,785	7,313
8/23/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	694	683	1,651	315	160	218	3,885	2,436	1,603
8/26/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	0	0	0	706	47	45	1,518	2,123	4,210
8/30/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	1,242	1,065	1,232	679	1,280	1,401	10,920	3,687	8,234
9/2/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	422	435	461	499	504	500	996	1,361	1,988
9/7/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	198	100	242	96	80	443	8,913	6,560	11,090
9/9/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	148	124	150	201	93	69	3,185	3,820	2,621
9/13/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	186	222	221	230	172	242	6,878	6,415	8,658
9/16/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	1,901	225	325	676	303	352	6,562	6,710	4,414
9/20/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	94	42	89	163	17	25	4,348	3,739	5,896
9/23/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	193	343	269	206	135	186	2,381	3,199	3,134
9/27/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	87	104	186	160	115	152	3,057	3,356	2,448
9/30/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	452	436	719	445	595	612	5,018	4,811	3,327
10/4/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	227	183	761	337	137	148	2,213	4,020	1,293
10/7/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	460	493	282	190	101	148	7,830	6,561	7,453
10/12/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	136	172	752	498	127	144	7,191	6,690	2,816
10/14/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	468	495	1,016	807	911	2,342	4,638	3,947	8,821
10/18/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	112	147	67	664	77	80	1,221	1,262	905
10/21/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	98	66	111	303	532	811	4,196	NC1	5,894
10/21/2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	155,000 <sup>(4)</sup>	-	18,100 <sup>(4)</sup>
10/25/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	2,983	3,252	106,800	3,500	480	396	5,064	4,420	4,256
10/28/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	1,290	1,312	1,667	938	1,108	977	3,750	1,563	2,987
11/1/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	962	707	751	NC1	642	720	9,873	4,378	8,193
11/4/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	275	313	550	478	372	532	3,256	4,514	8,630
11/8/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	275	215	204	702	674	627	5,320	5,413	4,934
11/11/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	1,270	1,274	1,294	1,382	1,011	1,085	4,181	5,172	3,412

**BACKGROUND TUNNEL AIR READINGS (PPBV)**

DATE	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6	Tank 7	Tank 8	Tank 9	Tank 10	Tank 11	Tank 12	Tank 13	Tank 14	Tank 15	Tank 16	Tank 17	Tank 18	Tank 20
11/15/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	433	325	373	359	249	280	6,657	7,805	1,634
11/18/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	945	820	839	885	951	1,310	4,879	6,062	2,523
11/22/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	1,132	1,049	1,093	842	957	1,056	6,538	6,013	5,956
11/24/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	1,160	1,165	1,151	1,081	1,293	1,258	4,185	4,525	1,352
11/29/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	606	644	551	402	300	252	5,833	5,889	2,054
12/2/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	270	306	835	802	1,387	1,392	3,689	4,631	1,341
12/13/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	544	682	651	1,398	795	672	4,710	5,071	5,011
12/16/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	138	151	253	65	360	472	10,600	8,950	3,641
12/20/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	12	30	240	518	288	12	4,552	5,681	3,687
12/23/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	159	151	141	243	204	140	1,340	1,564	2,705
12/28/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	62	61	29	131	75	50	425	931	727

**BACKGROUND TUNNEL AIR READINGS (PPBV)**

DATE	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6	Tank 7	Tank 8	Tank 9	Tank 10	Tank 11	Tank 12	Tank 13	Tank 14	Tank 15	Tank 16	Tank 17	Tank 18	Tank 20
12/30/2021	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	21	25	23	192	71	55	942	1,565	3,517
1/4/2022	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	233	181	198	281	196	165	3,845	3,284	4,759
1/6/2022	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	43	61	53	71	53	40	1,401	1,561	2,187
1/10/2022	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	159	232	258	227	178	151	1,652	2,509	2,628
1/13/2022	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	122	105	120	233	104	48	6,605	7,018	2,639
1/17/2022	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	164	88	4	0	0	0	5,396	7,911	5,925
1/20/2022	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	10,080	10,460	12,640	4,362	94	91	4,188	3,811	1,663
1/24/2022	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	804	906	1,460	1,450	71	12	3,426	6,452	4,632
1/27/2022	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	847	1,504	0	877	55	10	3,501	3,011	4,269
1/31/2022	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	2,524	2,473	2,644	16,050	31	32	984	1,329	1,253
2/3/2022	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	1,226	555	733	868	40	19	3,955	5,788	4,460
2/7/2022	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	744	1,512	243	2,341	292	260	4,252	6,716	5,691
2/10/2022	1,220	1,180	940	1,005	1,079	1,173	1,044	1,083	1,267	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5	NC5
2/17/2022	6,631	8,250	8,912	7,336	7,734	7,324	6,618	5,681	6,230	4,817	9,879	4,093	24,210	533	15,010	2,819	3,047	2,019
2/22/2022	1,836	2,088	2,128	2,338	2,504	2,535	2,520	2,599	2,553	2,532	2,929	3,604	3,891	550	561	7,081	5,902	4,107
2/28/2022	1,372	2,095	1,917	2,078	2,173	1,999	2,242	2,062	2,251	1,788	2,871	1,270	22,160	710	1,475	3,842	4,816	3,202
3/8/2022	1,493	1,618	1,657	1,735	1,753	1,930	1,720	1,694	2,330	2,360	2,311	2,321	3,117	976	2,240	1,749	1,671	3,515
3/15/2022	1,201	966	1,407	1,505	1,492	1,730	1,580	1,586	1,774	1,478	2,023	1,089	6,107	983	2,552	1,970	2,649	5,389
3/22/2022	2,097	4,443	4,996	2,107	1,492	1,430	1,338	1,102	1,170	898	1,662	936	2,445	532	1,598	1,678	2,439	3,252
3/30/2022	668	930	1,003	1,221	1,195	1,190	1,176	1,330	1,448	1,410	1,392	1,484	1,855	1,997	1,359	690	834	934
4/6/2022	599	689	732	785	815	866	825	897	959	917	947	651	1,085	1,041	1,176	554	643	1,437
4/13/2022	381	433	409	548	613	525	719	799	858	881	1,189	268	3,652	484	1,086	663	559	476
4/20/2022	335	534	501	463	454	567	537	526	578	520	655	353	2,533	389	781	47000%	527	942
4/26/2022	121	165	239	200	221	504	322	274	349	236	391	571	2,388	572	865	298	349	496
5/3/2022	408	372	450	428	499	537	465	566	592	748	765	452	2,808	573	774	606	656	665
5/10/2022	3,689	2,763	3,324	599	656	1,133	480	443	287	398	396	284	1,980	272	575	383	487	1,418
5/18/2022	88	115	122	128	156	221	212	219	261	247	382	158	1,675	189	176	392	521	415
5/18/2022	400	421	489	455	481	585	625	696	480	401	452	282	1,797	204	241	276	208	361
6/1/2022	559	232	310	163	487	360	282	293	322	357	359	272	1,198	302	283	3,463	4,860	2,716
6/8/2022	0	0	0	0	200	109	70	115	146	131	217	91	932	112	81	2,355	3,155	3,703
6/15/2022	725	153	119	127	368	0	1	12	44	1	91	0	1,210	0	45	2,133	4,251	1,836
6/22/2022	218	10	6	18	544	101	92	88	101	154	177	102	461	136	121	3,203	3,916	3,157
6/28/2022	478	280	260	291	186	222	171	147	181	199	263	125	1,463	0	0	2,537	3,899	2,776

**BACKGROUND TUNNEL AIR READINGS (PPBV)**

DATE	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6	Tank 7	Tank 8	Tank 9	Tank 10	Tank 11	Tank 12	Tank 13	Tank 14	Tank 15	Tank 16	Tank 17	Tank 18	Tank 20
7/5/2022	475	330	130	192	383	267	235	241	275	262	318	221	2,150	251	275	1,891	3,110	4,000
7/12/2022	710	146	81	111	130	227	214	220	281	250	410	217	2,033	287	403	2,255	4,827	2,290
7/19/2022	223	104	111	106	190	329	286	279	345	352	480	325	1,994	322	366	3,163	5,494	2,607
7/25/2022	58	128	144	108	125	222	173	204	171	196	233	181	649	247	238	4,515	5,617	2,004
8/2/2022	321	114	158	98	450	199	217	270	219	369	339	235	778	352	340	4,768	5,610	1,909
8/9/2022	344	185	186	181	347	225	218	245	241	337	291	227	651	193	207	1,806	3,018	1,314
8/16/2022	480	150	172	157	702	302	213	283	219	255	314	168	706	187	285	3,026	8,325	1,758
8/23/2022	424	317	338	342	423	483	467	516	502	461	536	491	1,164	416	399	2,465	4,631	1,796
8/30/2022	0	50	3	10	42	193	132	167	132	231	155	145	216	151	220	2,237	2,140	971
9/6/2022	286	118	105	108	164	261	302	326	414	472	460	361	668	339	378	1,397	5,478	1,064
9/13/2022	499	755	933	1,142	1,159	1,257	877	775	695	857	714	694	1,081	646	743	6,591	13	7,865
9/19/2022	190	78	84	8	11	78	60	91	102	171	195	68	459	61	121	3,089	2,516	1,448
9/26/2022	0	0	0	0	0	10	0	0	0	86	62	0	374	3	39	2,332	2,267	1,868
10/20/2022	128	251	401	181	318	311	352	439	300	338	306	321	620	499	318	1,705	3,381	1,342
11/8/2022	188	133	230	117	478	234	214	439	327	363	327	333	472	296	2,167	1,605	5,859	1,027
11/15/2022	36	135	149	167	464	306	138	239	224	376	404	292	479	270	302	1,913	1,804	1,192
11/21/2022	1,035	561	437	397	459	454	476	479	546	491	502	415	561	378	371	1,930	1,980	1,235



**BACKGROUND TUNNEL AIR READINGS (PPBV)**

DATE	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6	Tank 7	Tank 8	Tank 9	Tank 10	Tank 11	Tank 12	Tank 13	Tank 14	Tank 15	Tank 16	Tank 17	Tank 18	Tank 20
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Notes:

- <sup>1</sup> - "M/D" monitoring points were constructed to screen both middle & deep depth intervals along the respective underground storage tank.
- <sup>2</sup> - Soil vapor concentration measured using a ppmv PID.
- <sup>3</sup> - Epoxy coatings being applied in the area near Tank 17. Epoxy coating contain volatile organic compounds which can be detected by the monitoring equipment used to collect SVM samples.
- <sup>4</sup> - Solvent odor from work occurring in the area near Tank 18 caused elevated background PID readings.
- \* Air compressor used to clear obstruction prior to collecting sample
- \*\* - Estimated value - Calibration check observed an approximately 40% low bias reading.
- \*\*\* - Estimated value - Inadvertent early termination of PID reading.

- NC - Not collected
- NC1 - Not collected due to tank maintenance
- NC2 - Not collected due to obstruction in vapor line
- NC3 - Not collected - monitoring vault potentially compromised by release. Replacing tubing and cleaning valves. Sampling to begin 14 May
- NC4 - Not collected due to a broken valve/fitting. A replacement valve is being pursued.
- NC5 - Not collected - not required by the DOH Transition Plan.

Soil vapor concentration readings are reported in parts per billion by volume (ppbv).