

Table 4-11  
 Detected Compounds - Soil Gas Samples (2017)  
 Former Civic Arena / Melody Tent  
 Pittsburgh, Pennsylvania

Constituents (mg/m <sup>3</sup> )	MSC <sup>(1)</sup>	SG-01		SG-02		SG-03		SG-04		SG-05		SG-06		SG-07		SG-08		SG-09		SG-09 DUP		SG-10	
	SV <sub>NS</sub>	04/06/17	6/09/17	04/06/17	6/09/17	04/06/17	6/09/17	04/06/17	6/09/17	04/06/17	6/09/17	04/06/17	6/09/17	04/06/17	6/09/17	04/06/17	6/09/17	04/06/17	6/09/17	04/06/17	6/09/17	04/06/17	6/09/17
Acetone	6500	ND	0.0113	ND	0.0844	0.0119	0.0253	ND	0.0358	0.00602	0.0221	ND	0.0341	0.0146	0.0185	ND	0.0164	ND	0.0885	ND	ND	0.0875	0.0105
Benzene	0.62	ND	0.00163	0.00231	0.0136	ND	0.00132	ND	0.00511	ND	0.00208	0.00095	0.00265	ND	0.00209	0.00657	0.00141	0.0027	0.00275	0.00267	0.00693	0.00306	0.00115
Bromodichloromethane	0.13	ND	ND	0.0062	0.00241	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	150	0.00094	0.0014	0.0134	0.00417	ND	0.00272	0.0146	0.00395	ND	0.00081	0.00462	0.00103	0.00202	ND	0.00968	ND	ND	0.00221	0.0165	0.00358	0.00201	ND
Carbon Tetrachloride	0.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.058	0.0345	0.0658	0.0715	ND	ND
Chloroethane	2100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0188	0.00117	ND	ND	0.00228	ND	ND
Chloroform	0.21	0.00109	0.00146	0.0146	0.011	ND	0.00099	0.00122	0.00186	ND	ND	0.00447	0.00645	ND	ND	0.0015	ND	0.00129	0.00116	0.0013	0.002	ND	ND
Chloromethane	4.2	ND	ND	0.00097	0.00163	0.00104	ND	0.00135	0.00095	0.0009	0.00116	0.00048	ND	0.0009	0.0015	0.00045	0.0013	0.00122	ND	0.0005	0.00091	0.00284	0.00101
Dichlorodifluoromethane	21	ND	0.00198	0.00117	0.00114	0.00197	0.00275	0.00149	0.00218	0.00193	0.00227	0.0017	0.00321	0.00173	0.00343	0.00172	0.00297	ND	0.00153	ND	ND	0.00223	ND
1,3-Dichlorobenzene	42	ND	0.0483	0.0036	0.0234	0.00159	0.0574	ND	0.0253	ND	ND	ND	0.0077	ND	ND	ND	ND	ND	0.0018	ND	0.00703	ND	ND
Ethylbenzene	1.9	ND	0.00139	ND	0.00486	ND	0.00215	ND	0.00482	ND	0.00573	ND	0.00817	ND	0.0036	0.0106	0.00369	0.00169	0.00743	0.00171	0.00943	0.00165	0.00291
Methyl butyl ketone		ND	ND	ND	ND	ND	0.0013	ND	0.00082	ND	ND	ND	0.00123	ND	ND	ND	ND	ND	ND	ND	0.00098	ND	ND
Methyl ethyl ketone	1000	0.00065	0.00254	0.00104	0.0082	0.00124	0.00443	0.00068	0.00737	0.00063	0.00525	0.00073	0.0102	0.00076	0.00517	0.00065	0.00599	ND	0.00976	0.00179	0.0126	0.00277	0.00277
Methyl isobutyl ketone	630	ND	ND	ND	0.00094	ND	ND	ND	0.00107	ND	ND	ND	0.00111	ND	ND	ND	ND	ND	ND	ND	0.00135	0.00157	ND
Methylene Chloride	130	ND	ND	0.00083	ND	ND	ND	ND	ND	ND	0.00101	ND	ND	ND	0.00106	ND	0.00151	ND	0.00415	ND	0.00233	ND	0.00101
Stryene		ND	ND	ND	0.00085	ND	0.00132	ND	0.00089	ND	0.00421	ND	ND	ND	0.00396	ND	ND	ND	ND	ND	0.00111	ND	ND
Tetrachloroethene	8.3	0.00231	0.00563	0.00298	0.00475	ND	0.0215	0.00206	0.00726	ND	0.00421	0.0263	0.0268	0.0565	0.00396	0.0799	0.0134	5.08	0.225	5.56	1.3	ND	0.00231
Toluene	1000	0.00123	0.00324	0.00261	0.0111	0.00166	0.00451	0.00209	0.0128	0.00238	0.0243	0.00338	0.0287	0.00293	0.0124	0.0436	ND	0.0106	0.0282	0.0103	0.0298	0.011	0.00897
Trichloroethene	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0038	ND	0.00289	ND	0.00572	0.00177	0.00553	0.00484	ND	ND
Vinyl Chloride	0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00085	ND
Trichlorofluoromethane	150	0.00189	ND	ND	0.00124	ND	0.00226	ND	0.0014	ND	0.00135	ND	0.00146	ND	0.00204	0.00138	0.0018	0.00129	0.00124	0.00116	0.00146	ND	0.00112
1,2,4-Trimethylbenzene	1.5	0.0017	0.00624	0.00219	0.0156	0.00185	0.0105	0.00214	0.0123	0.0019	0.0118	ND	0.0059	0.00209	0.00708	0.00446	0.00728	0.00227	0.0145	0.00169	0.0199	0.00211	0.00905
1,3,5-Trimethylbenzene	1.5	ND	0.00138	ND	0.00383	ND	0.00328	ND	0.00315	ND	0.0028	ND	0.00251	ND	0.00182	0.00354	0.00152	ND	0.00364	ND	0.00497	ND	0.00197
cis 1,2-Dichloroethene	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00151	ND	ND	ND	ND	0.00132	ND	0.00129	0.00087	ND	ND
Xylenes (Total)	21	0.00147	0.00838	0.00363	0.02768	0.00152	0.0142	0.00399	0.02662	0.00298	0.03107	0.00361	0.0392	0.00414	0.01952	0.0352	0.01935	0.00579	0.0401	0.00508	0.0514	0.00758	0.01685

Notes:  
<sup>(1)</sup>PADEP Screening for Near Source Soil Gas, Residential

Highlight denotes MSC exceedence

ND: Not detected above laboratory detection limits