

Table 1
Soil Analytical Data Summary

Sampling Event	Sample ID	Approximate Depth (feet)	Sample Date	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Total Xylenes (µg/kg)	MTBE (µg/kg)	Isopropyl benzene (µg/kg)	Naphthalene (µg/kg)	1,2,4-Trimethyl benzene (µg/kg)	1,3,5-Trimethyl benzene (µg/kg)	1,2-Dichloroethane (µg/kg)	1,2-Dibromoethane (µg/kg)	Lead (µg/kg)
PADEP Act 2 MSCs for Unsaturated and Saturated Soils in a Residential, Used Aquifer (Soil to Groundwater)				500	100,000	70,000	1,000,000	2,000	600,000/84,000	25,000/10,000	73,000/13,000	23,000/13,000	500	5	450,000/45,000
PADEP Residential Direct Contact Numeric Value (0-15 feet)				57,000	10,000,000	180,000	1,900,000	1,700,000	7,600,000	13,000	1,100,000	1,100,000	17,000	740	500,000
Post-excavation sampling	PE-1	7	2/4/2025	<i>ND<640</i>	15,000	19,000	160,000	ND<760	16,000	87,000	290,000	110,000	<i>ND<760</i>	<i>ND<760</i>	25,000
	PE-2	5	2/4/2025	ND<0.98	ND<1.2	ND<1.2	7.6 J	ND<0.98	ND<1.8	ND<2.5	21	12	ND<0.74	ND<0.86	36,000
	PE-3	4	2/4/2025	ND<34	ND<41	ND<27	ND<96	ND<41	ND<41	ND<140	ND<41	ND<34	ND<41	ND<41	40,000
	PE-4	7	2/4/2025	ND<290	ND<340	ND<230	ND<800	ND<340	ND<340	ND<1,100	1,100 J	600 J	ND<340	ND<340	22,000
	PE-5	3.5	2/4/2025	ND<31	ND<37	ND<25	ND<87	ND<37	ND<37	ND<120	ND<37	45 J	ND<37	ND<37	15,000
	PE-6	5	2/4/2025	ND<34	ND<41	ND<27	ND<96	ND<41	ND<41	ND<140	ND<41	ND<34	ND<41	ND<41	24,000
	PE-7	7	2/4/2025	ND<320	1,900 J	5,400	51,000	ND<390	5,500	5,400	120,000	53,000	ND<390	ND<390	28,000
	PE-8	3.5	2/4/2025	ND<30	ND<36	ND<24	ND<83	ND<36	ND<36	ND<120	ND<36	ND<30	ND<36	ND<36	20,000
	PE-9	7	2/11/2025	ND<320	ND<390	410 J	7,800	ND<390	ND<390	ND<1,300	4,700	2,400 J	ND<390	ND<390	19,000
	PE-10	7	2/11/2025	ND<290	500 J	520 J	8,900	ND<350	ND<350	ND<1,200	5,700	3,100	ND<350	ND<350	20,000
	PE-11	7	2/11/2025	ND<330	ND<390	390 J	11,000	ND<390	ND<390	ND<1,300	8,200	4,800	ND<390	ND<390	21,000
	PE-12	7	2/11/2025	ND<310	ND<370	ND<250	4,600	ND<370	ND<370	ND<1,200	3,200	1,600 J	ND<370	ND<370	19,000
	PE-13	7	2/11/2025	ND<340	ND<410	ND<270	ND<960	ND<410	ND<410	ND<1,400	1,500 J	780 J	ND<410	ND<410	21,000
	PE-14	7	2/11/2025	ND<340	1,300 J	750 J	14,000	ND<410	ND<410	ND<1,400	7,400	6,200	ND<410	ND<410	24,000
	PE-15	7	2/11/2025	ND<350	ND<420	ND<280	ND<980	ND<420	ND<420	ND<1,400	2,300 J	1,100 J	ND<420	ND<420	20,000
	PE-16	7	2/11/2025	ND<340	ND<410	ND<270	3,000 J	ND<410	ND<410	ND<1,400	3,700	2,400 J	ND<410	ND<410	20,000

Notes:

PADEP Act 2 MSCs = Medium Specific Concentrations (MSCs) for Organic Regulated Substances in Soil as found in Appendix A, Table 3b of the Pennsylvania Land Recycling Program (Pennsylvania Code, Title 25, Chapter 250)

ND: Not detected (# is method detection limit)

Bold: exceeds the PADEP SHS for unsaturated soil in a non-residential, used aquifer

Shaded: Exceeds the PADEP Residential Direct Contact Numeric Value

Italics: Method Detection Limit Exceedance of applicable standards / values

J: laboratory estimated value

µg/kg: Micrograms per kilogram

MTBE: Methyl *tert*-butyl ether