

Table 5: Summarized Groundwater Analytical Results
 Former TCCA Site
 1725 Walnut Avenue
 Oreland, Pennsylvania

		Chlorinated VOCs									Petroleum VOCs and SVOCs							
		1,1-dichloroethane	1,1-dichloroethene	1,2-dichloroethane	Carbon tetrachloride	cis-1,2-dichloroethene	trans-1,2-dichloroethene	Trichloroethene	Tetrachloroethene	Vinyl chloride	Benzene	Toluene	Ethylbenzene	Naphthalene	Isopropylbenzene	Xylene Total	2-methylnaphthalene	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Groundwater MSCs - Residential		31	7	5	5	70	100	5	5	2	5	1,000	700	100	840	10,000	6.3	
Groundwater SV- Residential		110	300	34	6	NS	NS	9	110	2	23	34,000	700	100	1,900	10,000	380	
Field ID	Date																	
MW-1	8/31/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.99	-	<3.0	<0.99	
MW-1	4/12/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.66 J	<1.0	<1.0	<1.0	<1.0	<1.1	-	<3.0	<1.1
MW-1	10/29/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-1	4/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.95	<1.0	<1.0	<0.95
MW-1	7/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.89	<1.0	<1.0	<1.0	<0.89
MW-1	10/26/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.89	<1.0	<1.0	<1.0	<0.89
MW-1	1/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.91	<1.0	<1.0	<1.0	<0.91
MW-1	10/18/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0	<1.0	-
MW-2	9/20/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<3.0	<1.0	
MW-2	4/12/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.99	-	<3.0	<0.99	
MW-2	10/29/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-2	4/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.97	<1.0	<1.0	<1.0	<0.97
MW-2	7/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.89	<1.0	<1.0	<1.0	<0.89
MW-2	10/27/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.89	<1.0	<1.0	<1.0	<0.89
MW-2	1/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.91	<1.0	<1.0	<1.0	<0.91
MW-3	8/31/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.9	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	-	<3.0	<1.0	
MW-3	4/12/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	6.1	2.3	<1.0	<1.0	<1.0	<1.0	<0.98	-	<3.0	<0.98	
MW-3	10/29/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-3	4/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.95	<1.0	<1.0	<1.0	<0.95
MW-3	7/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	<0.89
MW-3	10/26/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.91	<1.0	<1.0	<1.0	<0.91
MW-3	1/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.93	<1.0	<1.0	<1.0	<0.93
MW-4	8/31/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<3.0	<1.0	
MW-4	4/12/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.55 J	<1.0	<1.0	<1.0	<0.97	-	<3.0	<0.97	
MW-4	10/29/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-4	4/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.97	<1.0	<1.0	<1.0	<0.97
MW-4	7/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.89	<1.0	<1.0	<1.0	<0.89
MW-4	10/26/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.91	<1.0	<1.0	<1.0	<0.91
MW-4	1/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.89	<1.0	<1.0	<1.0	<0.89
MW-5	8/31/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	<3.0	<1.0	
MW-5	4/12/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.98	-	<3.0	<0.98	
MW-5	10/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-5	4/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.95	<1.0	<1.0	<1.0	<0.95
MW-5	7/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.91	<1.0	<1.0	<1.0	<0.91
MW-5	10/26/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.89	<1.0	<1.0	<1.0	<0.89
MW-5	1/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.89	<1.0	<1.0	<1.0	<0.89

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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Groundwater MSCs - Residential	31	7	5	5	70	100	5	5	2	5	1,000	700	100	840	10,000	6.3
Groundwater SV- Residential	110	300	34	6			9	110	2	23	34,000	700	100	1,900	10,000	380
Field ID	Date															
MW-6	8/31/2017	<1.0	<1.0	<1.0	<1.0	16.3	<1.0	85	9.8	<1.0	<1.0	<1.0	<1.0	-	<3.0	<1.0
MW-6	4/12/2018	0.42 J	<1.0	0.34 J	<1.0	15.3	<1.0	66.6	8	<1.0	<1.0	<1.0	<1.0	-	<3.0	<1.0
MW-6	10/29/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.8	1.5	<1.0	2.3	<1.0	<1.0	27.8	<1.0	0.24 J
MW-6	4/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	0.91 J	<1.0	8.3	0.64 J	0.83 J	160	<1.0	2.3
MW-6	7/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.2	0.94 J	0.88 J	44.5	4.2	5.1	<0.89	0.79 J	17.9
MW-6	10/26/2021	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	48.4	2.8 J	2.8 J	864	<4.0	15.3
MW-6	1/13/2022	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	63.1	3.7 J	3.0 J	627	<4.0	17.4
MW-6	6/23/2023	<1.0	<1.0	<1.0	<1.0	0.58 J	<1.0	1.8	<1.0	2.8	107	1.1	3.9	-	2.9	4.4
MW-6	10/18/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	4.2	106	0.60 J	<1.0	62.2	2.9	1.0
MW-6	3/28/2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	2.7	29.9	<1.0	<1.0	153	1.9	0.68 J
MW-6	7/31/2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	3.3	22.7	<1.0	<1.0	10.7	2.9	<1.0
MW-7	10/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.95	<1.0	<0.95
MW-7	4/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.95	<1.0	<0.95
MW-7	7/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.89	<1.0	<0.89
MW-7	10/26/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.91	<1.0	<0.91
MW-7	1/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.89	<1.0	<0.89
MW-8	10/29/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0
MW-8	4/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.97	<1.0	<0.97
MW-8	7/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.89	<1.0	<0.89
MW-8	10/26/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.89	<1.0	<0.89
MW-8	1/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.93	<1.0	<0.93
MW-9	10/29/2020	<1.0	<1.0	0.71 J	1.1	12.8	1.1	22.8	3.2	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0
MW-9	4/12/2021	<1.0	<1.0	0.61 J	0.65 J	15.9	1.1	16.8	2.1	<1.0	<0.50	<1.0	<1.0	<0.95	<1.0	<0.95
MW-9	7/13/2021	<1.0	<1.0	0.82 J	0.71 J	22.7	1.5	18.5	2.1	<1.0	<0.50	<1.0	<1.0	<0.91	<1.0	<0.91
MW-9	10/27/2021	<1.0	<1.0	0.84 J	0.83 J	20.6	1.3	21.8	2.9	<1.0	<0.50	<1.0	<1.0	<0.89	<1.0	<0.89
MW-9	1/12/2022	<1.0	<1.0	1	0.80 J	20.3	1.5	21	2.2	<1.0	<0.50	<1.0	<1.0	<0.96	<1.0	<0.96
MW-9	10/18/2023	<1.0	<1.0	0.86 J	0.98 J	18.2	0.83 J	15.3	1.7	<1.0	<0.50	<1.0	<1.0	<5.0	<1.0	<5.0
MW-9	3/28/2024	<1.0	<1.0	0.95 J	0.66 J	13.7	0.65 J	13.7	1.5	<1.0	<0.50	<1.0	<1.0	<5.0	<1.0	<5.0
MW-9	7/31/2024	<1.0	<1.0	1.4	<1.0	<1.0	1.9	28.2	2.0	<1.0	<0.50	<1.0	<1.0	<5.0	<1.0	<5.0
MW-10	10/29/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0
MW-10	4/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.97	<1.0	<0.97
MW-10	7/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.89	<1.0	<0.89
MW-10	10/27/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.89	<1.0	<0.89
MW-10	1/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.96	<1.0	<0.96
MW-11	4/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.95	<1.0	<0.95
MW-11	7/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.89	<1.0	<0.89
MW-11	10/27/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.89	<1.0	<0.89
MW-11	1/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.93	<1.0	<0.93
MW-11	6/23/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	-	<1.0	<1.0
MW-11	10/18/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<5.0	<1.0	<5.0
MW-11	3/28/2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<5.0	<1.0	<5.0
MW-11	7/31/2024	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<5.0	<1.0	<5.0

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	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Groundwater MSCs - Residential	31	7	5	5	70	100	5	5	2	5	1,000	700	100	840	10,000	6.3	
Groundwater SV- Residential	110	300	34	6			9	110	2	23	34,000	700	100	1,900	10,000	380	
Field ID	Date																
MW-11D	4/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.97
MW-11D	7/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.89
MW-11D	10/27/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<0.50	<1.0	<1.0	<0.91	<1.0	<1.0	<0.91
MW-11D	1/12/2022	<1.0	<1.0	<1.0	<1.0	0.63 J	<1.0	<1.0	2.7	<1.0	<0.50	<1.0	<1.0	<0.96	<1.0	<1.0	<0.96
MW-12D	4/12/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-12D	7/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	1.0	<1.0	<0.50	<1.0	<1.0	<0.93	<1.0	<1.0	<0.93
MW-12D	10/26/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.89	<1.0	<1.0	<0.89
MW-12D	1/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.96	<1.0	<1.0	<0.96
MW-13D	4/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	0.91 J	<1.0	<0.50	<1.0	<1.0	<0.97	<1.0	<1.0	<0.97
MW-13D	7/14/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	1.1	<1.0	<0.50	<1.0	<1.0	<0.89	<1.0	<1.0	<0.89
MW-13D	10/27/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.78 J	<1.0	<1.0	<0.50	<1.0	<1.0	<0.89	<1.0	<1.0	<0.89
MW-13D	1/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<0.94	<1.0	<1.0	<0.94

Notes:
 Statewide Health Standards and Vapor Intrusion Screening Values (SVs) from Pennsylvania's Land Recycling and Environmental Remediation Standards Act (Act 2)
 PADEP - Pennsylvania Department of Environmental Protection
 MSC - Medium-Specific Concentration
 NS - No standard or screening value available or required for this compound or analyte
 J - Indicates a laboratory-estimated concentration. The value is above the method-detection limit, but below the laboratory's calibrated reporting limit
 < and/or U - Concentration is less than the laboratory reporting limit, and no estimated concentration was identified
 Shaded cells - concentration is above an Act 2 MSC and/or the VI screening value