

TABLE A.2.b  
SOIL ANALYTICAL RESULTS - CHROMIUM  
Former Appleton Wire

Sample Identification	Sample Depth (Feet)	Sample Date	Saturated (S)/ Unsaturated (U)	Total Chromium	Hexavalent Chromium
Industrial RCL <sup>1</sup>				NE	6.36
Non-Industrial RCL <sup>1</sup>				NE	0.301
Soil to Groundwater RCL <sup>1</sup>				NE	3.84
Background Threshold Value				44	NE
TP-2	15	3/26/1986	S	36.6	30.8
TP-3	13	3/26/1986	S	<0.30	<0.1
C-1	0-1 (Basement Floor)	8/14/1986	U	0.6	0.6
C-2	0-0.5 (Basement Floor)	8/14/1986	U	7,317	7,300
C-3	0-2 (Basement Wall)	8/14/1986	U	<0.2	0.1
C-4	0-0.5 (Basement Wall)	8/14/1986	U	57	57
C-5	NA (Basement Floor)	8/14/1986	U	20	20
C-6	0-0.8	8/14/1986	U	14	14
B-1 / MW-1	8-9.5	2/12/1987	S	5.8	0.2
		2/12/1987	S	7.9	<0.2
B-2 / MW-2	2-3.5	2/12/1987	U	12.7	0.4
B-3	4-5.5	2/12/1987	U	5.6	0.5
B-4	2-3.5	2/12/1987	U	7.6	0.6
B-5 / MW-5A	2.5-4	2/12/1987	U	10.5	0.4
	5-6.5	2/12/1987	S	9.7	0.2
	7.5-9	2/12/1987	S	9.6	2.6
	10-11.5	2/12/1987	S	18.2	18.2
	12.5-14	2/12/1987	S	29.1	21.7
	15-16.5	2/12/1987	S	7.9	0.2
B-6	2.5-4	2/12/1987	U	6.6	0.2
B-7	7.5-9	2/12/1987	S	6.9	<0.2
B-8	7.5-9	2/12/1987	S	6.6	<0.2
B-9	7.5-9	2/12/1987	S	7.1	0.2
	10-11.5	2/12/1987	S	6.9	1.9
	15-16.5	2/12/1987	S	6.2	<0.2
B-10 / MW-10	5-6.5	2/12/1987	S	6.2	0.2
B-11 / MW-11	5-6.5	2/12/1987	S	9.4	1.3
	7.5-9	2/12/1987	S	9.5	0.9
	10-11.5	2/12/1987	S	10.5	8.1
B-13	5-6.5	2/12/1987	S	68.8	68.8
	7.5-9	2/12/1987	S	44.6	44.6
	10-11.5	2/12/1987	S	188	188
	15-16.5	2/12/1987	S	6	<0.2
B-14	12.5-14	2/12/1987	S	6.5	<0.2
B-15	5-6.5	2/12/1987	S	6.8	0.2
	7.5-9	2/12/1987	S	5.6	2
B-16	5-6.5	2/12/1987	S	6.5	0.2
	7.5-9	2/12/1987	S	7.1	0.2
B-18	2	2/1/1990	U	26.1	NA
	3	2/1/1990	U	46.7	NA
	4	2/1/1990	U	38.7	NA
	5	2/1/1990	U	40	NA
	6	2/1/1990	S	36.6	NA
	7	2/1/1990	S	23.9	NA
	8	2/1/1990	S	20.9	NA
	9	2/1/1990	S	20.2	NA
B-19	2	2/1/1990	U	164	NA
	3	2/1/1990	U	105	NA
	4	2/1/1990	U	138	NA
	5	2/1/1990	U	103	NA
	6	2/1/1990	S	42.8	NA
	7	2/1/1990	S	24.7	NA
	8	2/1/1990	S	23.6	NA
	9	2/1/1990	S	22.6	NA
B-20	2	2/1/1990	U	96.2	NA
	3	2/1/1990	U	111	NA
	4	2/1/1990	U	138	NA
	5	2/1/1990	U	340	NA
	6	2/1/1990	S	167	NA
	7	2/1/1990	S	20.5	NA
	8	2/1/1990	S	22.2	NA
	9	2/1/1990	S	22.2	NA

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Industrial RCL <sup>1</sup>				NE	6.36
Non-Industrial RCL <sup>1</sup>				NE	0.301
Soil to Groundwater RCL <sup>1</sup>				NE	3.84
Background Threshold Value				44	NE
B-21	2	2/1/1990	U	138	NA
	3	2/1/1990	U	148	NA
	4	2/1/1990	U	170	NA
	5	2/1/1990	U	439	NA
	6	2/1/1990	S	596	NA
	7	2/1/1990	S	280	NA
	8	2/1/1990	S	20.4	NA
	9	2/1/1990	S	19.6	NA
B-22	2	2/1/1990	U	472	NA
	3	2/1/1990	U	150	NA
	4	2/1/1990	U	121	NA
	5	2/1/1990	U	184	NA
	6	2/1/1990	S	510	NA
	7	2/1/1990	S	21	NA
	8	2/1/1990	S	20.9	NA
	9	2/1/1990	S	21.8	NA
B-23	2	2/1/1990	U	20.4	NA
	3	2/1/1990	U	108	NA
	4	2/1/1990	U	142	NA
	5	2/1/1990	U	203	NA
	6	2/1/1990	S	140	NA
GP-1	0-5	5/13/2014	U	NA	NA
	5-10	5/13/2014	S	37	<0.221
	10-15	5/13/2014	S	18	<0.218
	15-20	5/13/2014	S	62	<0.234
GP-2	0-5	5/13/2014	U	25	<0.253
	5-10	5/13/2014	S	18	<0.211
	10-15	5/13/2014	S	NA	NA
	15-20	5/13/2014	S	NA	NA
GP-3	0-5	5/13/2014	U	27	<0.212
	5-10	5/13/2014	S	55	<0.223
	10-15	5/13/2014	S	NA	NA
	15-20	5/13/2014	S	NA	NA
GP-6	0-5	5/13/2014	U	51	<0.229
	5-10	5/13/2014	S	18	1.23
	10-15	5/13/2014	S	23	1.35
	15-20	5/13/2014	S	NA	NA
GP-7	0-5	5/12/2014	U	18	<0.227
	5-10	5/12/2014	S	18	0.368
	10-15	5/12/2014	S	22	0.582
	15-20	5/12/2014	S	28	0.287
GP-8	0-5	5/12/2014	U	39	0.45
	5-10	5/12/2014	S	48	0.761
	10-15	5/12/2014	S	46	0.709
	15-20	5/12/2014	S	NA	NA
GP-9	0-5	5/12/2014	U	29	<0.228
	5-10	5/12/2014	S	42	0.748
	10-15	5/12/2014	S	23	<0.221
	15-20	5/12/2014	S	15	0.774
GP-10	0-5	5/12/2014	U	77	1.03
	5-10	5/12/2014	S	48	1.11
	10-15	5/12/2014	S	22	<0.225
	15-20	5/12/2014	S	NA	NA
GP-11	0-5	5/12/2014	U	1,130	4.48
	5-10	5/12/2014	S	76	1.77
	10-15	5/12/2014	S	45	<0.235
	15-20	5/12/2014	S	15	<0.236
GP-12	0-5 (Basement Floor)	5/12/2014	U	355	<0.221
	5-10 (Basement Floor)	5/12/2014	S	128	<0.237
	10-15 (Basement Floor)	5/12/2014	S	NA	NA
	15-20 (Basement Floor)	5/12/2014	S	NA	NA
GP-13	0-5 (Basement Floor)	5/12/2014	U	164	3.06
	5-11 (Basement Floor)	5/12/2014	S	43	0.306
	11-15 (Basement Floor)	5/12/2014	S	NA	NA
	15-20 (Basement Floor)	5/12/2014	S	NA	NA

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Non-Industrial RCL <sup>1</sup>				NE	0.301
Soil to Groundwater RCL <sup>1</sup>				NE	3.84
Background Threshold Value				44	NE
GP-14	0-5	5/16/2017	U	NA	<0.900
	5-10	5/16/2017	S	NA	<0.900
	10-15	5/16/2017	S	NA	<0.900
GP-15	0-5	5/16/2017	U	NA	<0.900
	5-10	5/16/2017	S	NA	<0.900
	10-15	5/16/2017	S	NA	<0.900
GP-16	0-5	5/16/2017	U	NA	2.02
	5-10	5/16/2017	S	NA	<0.900
	10-15	5/16/2017	S	NA	<0.900
GP-17	0-5 (Basement Floor)	5/15/2017	U	1,550	NA
	5-10 (Basement Floor)	5/15/2017	S	25.8	NA
	10-15 (Basement Floor)	5/15/2017	S	24.6	NA
	15-20 (Basement Floor)	5/15/2017	S	25.5	NA
GP-18	0-5	5/15/2017	U	58.4	NA
	5-10	5/15/2017	S	53.0	NA
	10-15	5/15/2017	S	55.7	NA
	15-20	5/15/2017	S	24.8	NA
GP-19	0-5	5/15/2017	U	30.6	NA
	5-10	5/15/2017	S	44.9	NA
	10-15	5/15/2017	S	25.3	NA
	15-20	5/15/2017	S	23.9	NA
GP-20	0-5	8/30/2017	U	69.5	<0.900
	5-10	8/30/2017	S	53.1	NA
	10-15	8/30/2017	S	111	NA
	15-20	8/30/2017	S	23.9	NA
GP-21	0-5	8/30/2017	U	44.6	1.59
	5-10	8/30/2017	S	70.5	NA
	10-15	8/31/2017	S	53.5	NA
	15-19.5	8/30/2017	S	65.9	NA
	19.5-20	8/30/2017	S	10.8	NA
GP-22	0-5	8/30/2017	U	52.3	<0.900
	5-10	8/30/2017	S	45.6	NA
	10-15	8/30/2017	S	34.1	NA
	15-20	8/30/2017	S	25.7	NA
GP-23	0-5	8/30/2017	U	1,180	1.03
	5-10	8/30/2017	S	3,690	NA
	10-15	8/30/2017	S	126	NA
	15-20	8/30/2017	S	834	NA
GP-24	0-5	1/18/2018	U	680	NA
	5-10	1/18/2018	S	77.9	NA
	10-15	1/18/2018	S	31.0	NA
	15-20	1/18/2018	S	26.0	NA
GP-25	0-5	1/18/2018	U	556	NA
	5-10	1/18/2018	S	86.6	NA
	10-15	1/18/2018	S	65.5	NA
	15-20	1/18/2018	S	59.2	NA
GP-26	0-5	1/18/2018	U	145	NA
	5-10	1/18/2018	S	47.7	NA
	10-15	1/18/2018	S	54.0	NA
	15-20	1/18/2018	S	24.7	NA
GP-27	0-5	1/18/2018	U	3,410	NA
	5-10	1/18/2018	S	122	NA
	10-15	1/18/2018	S	174	NA
	15-20	1/18/2018	S	283	NA
GP-28	0-5	1/18/2018	U	10.1	NA
	10-15	1/18/2018	S	18.9	NA
	15-20	1/18/2018	S	189	NA
GP-29	0-5	5/22/2018	U	NA	<0.734
GP-30	0-5	5/23/2018	U	18.9	<0.775
	5-10	5/23/2018	S	23.7	<0.744
	10-15	5/23/2018	S	18.2	<0.762
	15-20	5/23/2018	S	24.4	<0.737

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Industrial RCL <sup>1</sup>				NE	6.36
Non-Industrial RCL <sup>1</sup>				NE	0.301
Soil to Groundwater RCL <sup>1</sup>				NE	3.84
Background Threshold Value				44	NE
GP-31	0-5	5/23/2018	U	24.2	<0.746
	5-10	5/23/2018	S	23.1	<0.771
	10-15	5/23/2018	S	23.6	<0.754
	15-20	5/23/2018	S	25.2	<0.740
GP-32	0-5	5/23/2018	U	12.8	0.841 J
	5-10	5/23/2018	S	14.7	<0.741
	10-15	5/23/2018	S	26.9	<0.740
	15-20	5/23/2018	S	23.6	<0.779
GP-33 (Lab Splits)	1-1.5	5/23/2018	U	NA	<0.796
			U	NA	<0.64
	3.5-4	5/23/2018	U	NA	0.763 J
			U	NA	<0.64
GP-34 (Lab Splits)	1-1.5	5/23/2018	U	NA	<0.774
			U	NA	0.867 J
	3.5-4	5/23/2018	U	NA	<0.669
			U	NA	<0.64
GP-35 (Lab Splits)	1-1.5	5/23/2018	U	NA	<0.668
			U	NA	<0.64
	3.5-4	5/23/2018	U	NA	<0.747
			U	NA	<0.64
GP-36	0-5	5/22/2018	U	NA	<0.750
GP-37	0-5	5/22/2018	U	NA	<0.686
GP-38	0-5	5/22/2018	U	NA	<0.745
GP-39	0-5	5/22/2018	U	NA	<0.837
GP-40	0-5	5/22/2018	U	NA	<0.708
GP-41	0-5	5/22/2018	U	NA	<0.745
MW-1B	0-5	5/17/2017	U	NA	<0.900
MW-10B	0-5	5/18/2017	U	NA	<0.900
MW-19A	10-15	6/30/2009	S	99	19
	15-20	6/30/2009	S	14	<0.260
	20-25	6/30/2009	S	15	<0.260
	25-30	6/30/2009	S	19	<0.260
	30-35	6/30/2009	S	14	<0.260
	35-40	6/30/2009	S	12	<0.260
MW-19C	0-5	5/8/2017	U	NA	2.20
	10-15	5/8/2017	S	NA	171
	40-45	5/8/2017	S	23.7	NA
	45-50	5/8/2017	S	24.8	NA
	50-55	5/8/2017	S	23.9	NA
	55-60	5/8/2017	S	24.1	NA
MW-20A	0-5	5/13/2014	U	362	3.08
	5-10	5/13/2014	S	146	0.941
	10-15	5/13/2014	S	263	0.343
	15-20	5/13/2014	S	24	0.469
	20-25	5/13/2014	S	16	0.55
	25-30	5/13/2014	S	17	0.277
	30-35	5/13/2014	S	15	<0.231
	35-40	5/13/2014	S	15	<0.211
MW-20C	0-5	5/15/2017	U	NA	37.9
	10-15	5/15/2017	S	NA	122
	40-45	5/15/2017	S	25.4	NA
	45-50	5/15/2017	S	26.1	NA
	50-55	5/15/2017	S	24.0	NA
	55-60	5/15/2017	S	24.1	NA
MW-21A	0-5	5/14/2014	U	21	<0.229
	5-10	5/14/2014	S	13	<0.224
	10-15	5/14/2014	S	18	<0.230
	15-20	5/14/2014	S	15	<0.226
MW-22A	0-5	5/16/2017	U	NA	1.88
MW-25A	0-5	5/11/2017	U	41.6	2.07
	0-5	DUP-4	U	30.3	NA
	5-10	5/11/2017	S	29.4	NA
	10-15	5/11/2017	S	27.8	<0.900
MW-25A	15-20	5/11/2017	S	27.8	NA
	20-25	5/11/2017	S	26.9	<0.900
	25-30	5/11/2017	S	24.6	NA
	35-40	5/11/2017	S	23.9	NA

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Industrial RCL <sup>1</sup>				NE	6.36
Non-Industrial RCL <sup>1</sup>				NE	0.301
Soil to Groundwater RCL <sup>1</sup>				NE	3.84
Background Threshold Value				44	NE
MW-26A	0.5-1	5/11/2017	U	574	NA
	0-5	5/11/2017	U	131	4.29
	0-5	DUP-5	U	37.2	NA
	5-10	5/11/2017	S	130	NA
	10-15	5/11/2017	S	192	35.1
	15-20	5/11/2017	S	26.8	NA
	20-25	5/11/2017	S	26.2	<0.900
	25-30	5/11/2017	S	23.9	NA
	35-40	5/11/2017	S	25.1	NA
MW-27B	0-5	5/10/2017	U	65.9	25.3
	0-5	DUP-3	U	60.0	19.8
	5-10	5/10/2017	S	64.1	NA
	10-15	5/10/2017	S	38.6	8.13
	15-20	5/10/2017	S	29.9	NA
	20-25	5/10/2017	S	25.0	<0.900
	25-30	5/10/2017	S	25.5	NA
	34-36	5/10/2017	S	6.4	<0.900
	35-40	5/10/2017	S	12.3	NA
	40-45	5/10/2017	S	25.2	NA
	45-50	5/10/2017	S	24.6	NA
MW-28A	0-1	5/11/2017	U	2,620	NA
	0-5	5/10/2017	U	1,850	422
	0-5	DUP-1	U	1,580	516
	4-5	5/11/2017	U	328	NA
	5-10	5/10/2017	S	90.9	NA
	5-10	DUP-2	S	104	NA
	10-15	5/10/2017	S	36.6	2.20
	15-20	5/10/2017	S	27.9	NA
	20-25	5/10/2017	S	25.3	<0.900
	25-30	5/10/2017	S	25.3	NA
	35-40	5/10/2017	S	23.7	NA
MW-29A	0-5	5/9/2017	U	575	12.0
	5-10	5/9/2017	S	42.9	NA
	10-15	5/9/2017	S	30.1	1.24
	15-20	5/9/2017	S	53.9	NA
	20-25	5/9/2017	S	22.0	<0.900
	25-30	5/9/2017	S	25.9	NA
	35-40	5/9/2017	S	25.7	NA
MW-30A	0-5	5/12/2017	U	78.8	2.54
	0-5	DUP-6	U	68.1	1.74
	5-10	5/12/2017	S	24.4	NA
	10-15	5/12/2017	S	31.3	<0.900
	15-20	5/12/2017	S	53.1	NA
	20-25	5/12/2017	S	25.8	<0.900
	25-30	5/12/2017	S	25.0	NA
	35-40	5/12/2017	S	20.9	NA
WS-1	8	8/30/2017	S	55.3	NA
WS-2	8	8/30/2017	S	1,160	NA
WS-3	8	8/30/2017	S	6.5	NA
WS-4	8	8/30/2017	S	6.4	NA
OW-1	0-5	1/18/2018	U	241	NA
	5-10	1/18/2018	S	77.2	NA
	10-15	1/18/2018	S	135	NA
	15-20	1/18/2018	S	104	NA
OW-2	0-5	1/18/2018	U	16.4	NA
	5-10	1/18/2018	S	36.9	NA
	10-15	1/18/2018	S	207	NA
	15-20	1/18/2018	S	72.1	NA
OW-3	0-5	1/19/2018	U	99.8	NA
	5-10	1/19/2018	S	27.5	NA
	10-15	1/19/2018	S	27.2	NA
	15-20	1/19/2018	S	18.1	NA

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Industrial RCL <sup>1</sup>				NE	<b>6.36</b>
Non-Industrial RCL <sup>1</sup>				NE	<i>0.301</i>
Soil to Groundwater RCL <sup>1</sup>				<b>NE</b>	<b>3.84</b>
Background Threshold Value				44	NE
UB-1	0-5	5/16/2017	U	NA	<i>1.51</i>
	5-10	5/16/2017	S	NA	<0.900
	10-15	5/16/2017	S	NA	<0.900
	10-15	DUP-7	S	NA	<0.900
UB-2	0-5	5/16/2017	U	NA	<i>1.84</i>
	5-10	5/16/2017	S	NA	<0.900
	10-15	5/16/2017	S	NA	<0.900
UB-3 (Lab Splits)	1-1.5	5/23/2018	U	23.3	<0.715
			U	10.6	<0.64
	3.5-4	5/23/2018	U	23.5	<0.741
			U	20.6	<0.64
UB-4 (Lab Splits)	1-1.5	5/23/2018	U	31.6	<0.750
			U	24.2	<0.64
	3.5-4	5/23/2018	U	27.8	<0.720
			U	20.6	<0.64
RS-1	0-5	8/28/2019	U	918	<b>36.1</b>
RS-2	0-5	8/28/2019	U	33.7	2.25
RS-3	0-5	8/28/2019	U	732	<b>15.4</b>
RS-4	0-5	8/28/2019	U	853	<b>310</b>
RS-5	0-5	8/28/2019	U	1,330	<b>620</b>
RS-6	0-5	8/28/2019	U	362	<b>53.5</b>
RS-7	0-5	8/28/2019	U	43.5	<0.64
RS-8	0-5	8/28/2019	U	860	<i>1.97 J</i>
RS-9	0-5	8/28/2019	U	6,740	<b>56.5</b>
RS-10	0-5	8/28/2019	U	95.8	<0.64
RS-11	0-5	8/28/2019	U	147	<i>1.45 J</i>
RS-12	0-5	8/28/2019	U	30.4	<0.64
BSS-1	0-5	9/24/2019	U	338	<b>4.93</b>
BSS-2	0-5	9/25/2019	U	504	<b>4.34</b>
BSS-3	0-5	9/26/2019	U	336	<b>4.62</b>
BSS-4	0-5	9/27/2019	U	441	<b>13.1</b>
BSS-5	0-5	9/27/2019	U	189	<b>11.1</b>
BSS-6	0-5	9/27/2019	U	482	<b>18</b>
BSS-7	0-5	10/1/2019	U	86.2	<0.64
BSS-8	0-5	10/2/2019	U	169	<b>11.1</b>
BSS-9	0-5	10/2/2019	U	84.2	<i>0.836 J</i>
BSS-10	0-5	10/8/2019	U	373	<b>9.32</b>
BSS-11	0-5	10/8/2019	U	291	<b>15.6</b>

Notes:

<sup>1</sup> = Residual Contaminant Levels calculated according to the procedures described in WDNR Publication RR-890

Total chromium samples analyzed using EPA SW-846 Method 6010C

Hexavalent chromium samples analyzed using EPA SW-846 Method 7196A

All concentrations reported in milligrams per kilogram (mg/kg)

**Bolded** values exceed the Industrial Residual Contaminant Level

**Bolded and Italicized** values exceed the Soil to Groundwater Residual Contaminant Level

*Italicized* values exceed the Non-Industrial Residual Contaminant Level

J = Analyte concentration between the method detection limit and reporting limit

NA = Not Analyzed

NE = Not Established

RCL = Residual Contaminant Level