

From: [Dick Lyster](#)
To: [Sager, John E - DNR](#)
Subject: Minocqua Cleaners updated GW Chem Table
Date: Tuesday, June 9, 2020 2:54:36 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[8267050 Minocqua GW data table master June 2020.pdf](#)

John: Good afternoon, in the recent contract approval the proposal said we would provide an updated table after the sampling events. Attached is the updated groundwater chemistry with the May 26, 2020 sample event included.

We sampled some wells that had not been sampled in a long time, the B-2 and B-8 well nests and B-5 and B-9. All those wells were “no detect” and that is good, they show the plume does not extend past the B-8 area and also not over toward Muni #4.

We’ll continue to assess the results and see what can tell. Thanks. Dick



Richard Lyster, PG, CPG | Team Leader

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TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity
ES		70	100	5	5	0.2					
PAL		7	20	0.5	0.5	0.02					
Top of Casing Elevation = 1606.48 ft MSL											
B-1 (90')	12/01/99	ND	ND	ND	ND	ND					
	11/01/03	ND	ND	ND	ND	ND					
	12/06/04	<0.5	<0.4	<0.5	<0.6	<0.3	1576.77	8.68	1.29	126	309.9
	03/22/05	<0.60	<0.60	<0.4	<0.15	<0.12	1580.91	8.47	1.43	145	336.5
	08/31/05	<0.60	<0.60	<0.4	<0.15	<0.12	1580.85	7.21	1.06	147	399.2
	02/14/06	<0.60	<0.60	<0.4	<0.15	<0.12	1580.80	7.60	1.40	149	398.9
	05/22/06	<0.4	<0.4	<0.29	0.19	<0.15	1581.08	7.83	1.89	151	306.4
	08/08/06	<0.4	<0.4	<0.29	<0.15	<0.15	1574.87	8.27	1.27	173	374
	11/29/06	<0.4	<0.4	<0.29	<0.15	<0.15	1580.88	7.37	1.26	287	
	02/26/07	<0.4	<0.4	<0.29	<0.15	<0.15	1581.47	8.14	1.28	155	370
	05/22/07	<0.4	<0.5	<0.4	<0.15	<0.15	1581.51	7.67	1.17		393
	08/21/07	<0.4	<0.5	<0.4	<0.15	<0.15	1575.19	6.84	0.42	160	432
	11/28/07	<0.4	<0.5	<0.4	<0.15	<0.15	1581.98	7.54	1.41	182	386
	07/28/08	<0.4	<0.5	<0.4	<0.15	<0.15	1580.83	7.62	1.13		411
	11/20/08	<0.4	<0.5	<0.4	<0.15	<0.15	1581.58	8.05	1.49	190	395
	02/11/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.13	7.12	1.64	245	398
	05/21/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.34	6.79	1.74	276	398
	08/05/09	<0.4	<0.5	<0.4	<0.15	<0.15	1580.62	7.26	1.04	172	407
	11/19/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.27	7.48	1.85	13.9	404
	02/25/10	<0.4	<0.5	<0.4	<0.15	<0.15	1581.38	7.94	1.48	129	385
	10/25/10	<0.5	<0.5	<0.5	<0.2	<0.2	1582.82	7.63	1.31	53	385
	04/26/11	<0.5	<0.5	<0.5	<0.2	<0.2	1582.21	8.14	1.97	76	411
	10/27/11	<0.50	<0.50	<0.50	<0.20	<0.20	1582.42	7.33	2.02	181	375
	04/27/12	<0.12	<0.25	<0.17	<0.19	<0.10	1582.61	6.81	2.01	169	334
	01/08/14	<0.12	<0.25	<0.17	<0.19	<0.10	1582.40	7.35	1.93	161	356
	04/10/14	<0.12	<0.25	<0.17	<0.19	<0.10	1581.92	6.96	2.38		337
	10/28/14	<0.12	<0.25	<0.17	<0.19	<0.10	1583.16	7.36	1.41		317
04/27/15	<0.12	<0.25	<0.17	<0.19	<0.10	1582.50	7.18	2.39		368	
10/20/15	<0.41	<0.35	<0.37	<0.16	<0.20	1582.71	7.83	1.64	215	386	
05/25/16	<0.41	<0.35	<0.37	<0.16	<0.20	1582.85	7.89	1.78	282	399	
11/16/16	<0.41	<0.35	<0.37	<0.16	<0.20	1583.04	7.72	1.93	223	407	
04/27/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.45	8.36	2.15	230	406	
10/31/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.00	8.06	1.34	313	404	
04/26/18	<0.41	<0.35	<0.37	<0.16	<0.20	1582.10	7.31	2.19	237	408	
10/30/18	<0.21	<0.23	<0.14	<0.20	<0.18	1582.99	7.15	2.23	428	410	
04/08/19	<0.41	<0.35	<0.37	<0.16	<0.20	1582.40	7.07	2.73	417	408	
10/28/19	<0.41	<0.35	<0.37	<0.16	<0.20	1583.09	7.03	1.74	344	409	
05/26/20		not sampled									
Top of Casing Elevation = 1606.66 ft MSL											
B-1A (60')	12/06/04	<0.5	<0.4	<0.5	<0.6	<0.3	1580.27	8.44	1.08	173	463.4
	03/22/05	<0.60	<0.60	<0.4	<0.15	<0.12	1581.05	8.23	1.88	138	399.7
	08/31/05	<0.60	<0.60	<0.4	<0.15	<0.12	1580.98	6.70	2.26	274	348
	02/14/06	<0.60	<0.60	<0.4	<0.15	<0.12	1580.96	7.30	1.70	157	348.2
	05/22/06	<0.4	<0.4	<0.29	<0.15	<0.15	1581.25	7.41	1.31	154	360
	08/08/06	<0.4	<0.4	0.56	0.44	<0.15	1578.71	7.58	0.91	522	378
	11/29/06	<0.4	<0.4	<0.29	>0.15	<0.15	1580.45	7.59	1.19		328
	02/26/07	<0.4	<0.4	<0.29	>0.15	<0.15	1581.19	7.05	1.31	436	455
	05/22/07	<0.4	<0.5	<0.4	<0.15	<0.15	1581.65	7.56	1.27		487
	08/21/07	<0.4	<0.5	<0.4	<0.15	<0.15	1579.30	6.73	1.97	448	559
	11/28/07	<0.4	<0.5	<0.4	<0.15	<0.15	1582.00	7.01	1.33	349	501
	07/28/08	<0.4	<0.5	<0.4	<0.15	<0.15	1580.93	7.37	1.86	335	476
	11/20/08	<0.4	<0.5	<0.4	<0.15	<0.15	1581.59	8.02	1.92	234	452
	02/11/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.13	7.09	1.56	311	388
	05/21/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.50	6.91	1.39	363	468
	08/05/09	<0.4	<0.5	<0.4	<0.15	<0.15	1580.72	6.64	1.86	410	471
	11/19/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.47	7.06	1.81	301	530
	02/25/10	<0.4	<0.5	<0.4	<0.15	<0.15	1581.59	7.79	1.68	219	519
	05/11/10	<0.25	<0.25	<0.3	<0.21	<0.22	1581.47	7.85	1.31	401	502
	10/25/10	<0.5	<0.5	<0.5	<0.2	<0.2	1582.84	7.04	1.91	261	502
	04/26/11	<0.5	<0.5	<0.5	<0.2	<0.2	1582.19	8.16	1.92	240	426
	10/27/11	<0.50	<0.50	<0.50	<0.20	<0.20	1582.43	7.28	1.82	188	526
	04/27/12	<0.12	<0.25	<0.17	<0.19	<0.10	1582.64	6.87	2.11	289	483
	01/08/14	<0.12	<0.25	<0.17	<0.19	<0.10	1582.57	7.23	1.89	222	530
	04/10/14	<0.12	<0.25	<0.17	<0.19	<0.10	1581.84	6.84	1.97		506
	10/28/14	<0.12	<0.25	<0.17	<0.19	<0.10	1583.20	7.12	1.44		447
	04/27/15	<0.12	<0.25	<0.17	<0.19	<0.10	1582.50	7.01	2.08		419
10/20/15	<0.41	<0.35	<0.37	<0.16	<0.20	1582.92	7.40	1.57	343	509	
05/25/16	<0.41	<0.35	<0.37	<0.16	<0.20	1582.85	7.55	0.78	400	520	
11/16/16	<0.41	<0.35	<0.37	<0.16	<0.20	1583.05	7.77	1.80	294	589	
04/27/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.42	8.20	2.02	281	608	
10/31/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.01	7.71	1.36	291	546	
04/26/18	<0.41	<0.35	<0.37	<0.16	<0.20	1582.11	7.25	2.56	243	536	
10/30/18	<0.21	<0.23	<0.14	<0.20	<0.18	1583.03	7.15	2.17	438	549	
04/08/19	<0.41	<0.35	<0.37	<0.16	<0.20	1582.43	7.23	2.04	382	482	
10/28/19	<0.41	<0.35	<0.37	<0.16	<0.20	1583.13	7.10	1.65	306	604	
05/26/20		not sampled									

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Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity
ES		70	100	5	5	0.2					
PAL		7	20	0.5	0.5	0.02					
Top of Casing Elevation = 1606.92 ft MSL											
B-1B (27)	12/06/04	<0.5	<0.4	<0.5	<0.6	<0.3	1580.52	8.52	1.84	171	406.5
	03/22/05	<0.60	<0.60	<0.4	<0.15	<0.12	1581.06	8.83	1.41	152	436.8
	08/31/05	<0.60	<0.60	<0.4	<0.15	<0.12	1580.98	6.69	1.40	277	374.4
	02/14/06	<0.60	<0.60	<0.4	<0.15	<0.12	1580.94	7.29	1.32	161	392
	05/22/06	<0.4	<0.4	<0.29	<0.15	<0.15	1581.28	7.41	1.67	154	350.4
	08/08/06	<0.4	<0.4	<0.29	<0.15	<0.15	1580.03	8.15	1.42	343	415
	11/29/06	<0.4	<0.4	<0.29	<0.15	<0.15	1580.24	7.19	1.89		332
	02/26/07	<0.4	<0.4	<0.29	<0.15	<0.15	1581.03	7.00	1.69	397	486
	05/22/07	<0.4	<0.5	<0.4	<0.15	<0.15	1581.63	7.45	1.83		462
	08/21/07	<0.4	<0.5	<0.4	<0.15	<0.15	1579.66	6.79	1.72	461	557
	11/28/07	<0.4	<0.5	<0.4	<0.15	<0.15	1581.98	6.98	1.87	362	545
	07/28/08	<0.4	<0.5	<0.4	<0.15	<0.15	1580.90	7.15	2.40	330	468
	11/20/08	<0.4	<0.5	<0.4	<0.15	<0.15	1581.58	8.71	2.22	396	413
	02/11/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.10	7.39	2.57	335	377
	05/21/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.52	6.53	1.56	329	458
	08/05/09	<0.4	<0.5	<0.4	<0.15	<0.15	1580.71	6.72	2.51	448	479
	11/19/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.49	6.93	1.46	325	538
	05/11/10	<0.25	<0.25	<0.3	<0.21	<0.22	1581.39	7.59	2.65	407	402
	10/25/10	<0.5	<0.5	<0.5	<0.2	<0.2	1582.86	7.03	2.53	297	429
	04/26/11	<0.5	<0.5	<0.5	<0.20	<0.20	1582.18	8.03	2.36	264	385
	10/27/11	<0.50	<0.50	<0.50	<0.20	<0.20	1582.43	7.24	2.56	254	453
	04/27/12	<0.12	<0.25	<0.17	<0.19	<0.10	1582.64	6.93	2.54	284	345
	01/08/14	<0.12	<0.25	<0.17	<0.19	<0.10	1582.60	7.04	2.17	226	397
	04/10/14	<0.12	<0.25	<0.17	<0.19	<0.10	1581.83	6.63	3.34		439
	10/28/14	<0.12	<0.25	<0.17	<0.19	<0.10	1583.19	6.97	1.55		325
	04/27/15	<0.12	<0.25	<0.17	<0.19	<0.10	1582.49	6.85	2.83		353
	10/20/15	<0.41	<0.35	<0.37	<0.16	<0.20	1582.93	7.32	2.16	365	304
	05/25/16	<0.41	<0.35	<0.37	<0.16	<0.20	1582.83	7.36	2.74	426	338
	11/16/16	<0.41	<0.35	<0.37	<0.16	<0.20	1583.05	8.03	3.14	342	316
	04/27/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.41	8.15	2.16	392	325
	10/31/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.01	7.60	1.93	381	325
	04/26/18	<0.41	<0.35	<0.37	<0.16	<0.20	1582.06	7.19	2.75	268	393
	10/30/18	<0.21	<0.23	<0.14	<0.20	<0.18	1583.02	7.14	2.28	436	387
dupl	04/08/19	<0.41	<0.35	<0.37	<0.16	<0.20	1582.42	7.14	4.64	375	424
	10/28/19	<0.41	<0.35	<0.37	<0.16	<0.20	1583.04	7.10	1.65	319	415
	05/26/20	Not sampled									
Top of Casing Elevation = 1604.00 ft MSL											
B-2 (90)	12/06/04	<0.5	<0.4	<0.5	<0.6	<0.3	1580.22	8.86	1.07	157	153
	03/22/05	<0.60	<0.60	<0.4	<0.15	<0.12	1580.39	8.92	1.49	150	155.7
	08/31/05	<0.60	<0.50	<0.4	<0.15	<0.12	1580.39	7.56	1.95	1.64	140.1
	02/14/06	<0.60	<0.60	<0.4	<0.15	<0.12	1580.39	7.89	1.94	155	142
	05/22/06	<0.4	<0.4	<0.29	<0.15	<0.15	1580.44	7.93	2.05	153	229.3
	08/08/06	<0.4	<0.4	<0.29	<0.15	<0.15	1578.26	8.05	1.08	350	362
	11/29/06	<0.4	<0.4	<0.29	<0.15	<0.15	1578.79	7.01	1.26		212
	02/26/07	<0.4	<0.4	<0.29	<0.15	<0.15	1581.05	7.60	1.47	405	138
	05/22/07	<0.4	<0.5	<0.4	<0.15	<0.15	1580.67	7.93	1.11		404
	08/21/07	<0.4	<0.5	<0.4	<0.15	<0.15	1578.67	7.14	1.78	316	231
	11/28/07	<0.4	<0.5	<0.4	<0.15	<0.15	1581.48	7.90	1.46	304	382
	07/28/08	<0.4	<0.5	<0.4	<0.15	<0.15	1579.91	8.20	0.92	305	229
	02/11/09	<0.4	<0.5	<0.4	<0.15	<0.15	1580.6	7.75	1.55	320	395
	05/21/09	<0.4	<0.5	<0.4	<0.15	<0.15	1580.52	6.49	1.57	343	428
	02/25/10	<0.4	<0.5	<0.4	<0.15	<0.15	1581.39	7.92	1.57	189	594
	05/26/20	<0.41	<0.35	<0.37	<0.16	<0.20	1582.66	7.74	2.18	252	421
Top of Casing Elevation = 1603.52 ft MSL											
B-2A (60)	12/06/04	0.5	<0.4	1.2	2.3	<0.3	1580.36	8.62	1.15	166	204.3
	03/22/05	<0.60	<0.60	0.64	1.0	<0.12	1580.32	8.71	1.85	147	205.3
	08/31/05	<0.60	<0.60	0.74	1.1	<0.12	1580.3	7.20	1.84	153	196.6
	02/14/06	<0.60	<0.60	<0.4	0.35	<0.12	1580.34	7.65	1.53	156	202.7
dupl	05/22/06	6.5	<0.4	10	17	<0.15	1580.48	7.98	1.18	153	238.1
	08/08/06	38	<0.4	35	63	<0.15	1578.55	7.62	2.04	397	260
	11/29/06	14	<0.4	31	35	<0.15	1579.06	7.27	1.63		313
dupl	02/26/07	1.3	<0.4	5.3	3.9	<0.15	1581.21	7.16	1.16	429	446
	05/22/07	<0.4	<0.5	2	1.4	<0.15	1581.24	7.89	1.28		417
	08/21/07	0.55	<0.5	1.4	1.7	<0.15	1578.93	6.21	1.36	415	372
	11/28/07	<0.4	<0.5	0.49	0.54	<0.15	1581.62	7.33	1.69	396	409
	07/28/08	<0.4	<0.5	<0.4	0.19	<0.15	1579.94	7.42	1.08	334	341
	11/20/08	<0.4	<0.5	<0.4	<0.15	<0.15	1581.19	8.32	2.59	395	479
	02/11/09	<0.4	<0.5	<0.4	0.19	<0.15	1580.71	7.01	2.07	373	497
	05/21/09	<0.4	<0.5	<0.4	0.24	<0.15	1580.54	6.75	1.63	383	517
	08/05/09	<0.4	<0.5	<0.4	<0.15	<0.15	1579.78	6.79	1.39	488	536
	11/19/09	<0.4	<0.5	<0.4	<0.15	<0.15	1580.68	7.19	1.95	343	501
	02/25/10	<0.4	<0.5	<0.4	<0.15	<0.15	1581.51	7.63	2.10	201	498
	05/11/10	<0.25	<0.25	<0.3	<0.21	<0.22	1581.35	7.91	1.29	392	477
	05/26/20	<0.41	<0.35	<0.37	<0.16	<0.20	1582.70	7.06	2.25	292	626

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Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity
ES		70	100	5	5	0.2					
PAL		7	20	0.5	0.5	0.02					
Top of Casing Elevation = 1603.68 ft MSL											
B-2B (23')	12/06/04	6.1	<0.4	9.1	15	<0.3	1581.4	8.40	1.88	169	221.5
	03/22/05	4.7	<0.6	9.0	15	<0.12	1580.87	8.15	1.61	173	206.7
	08/31/05	1.9	<0.60	3.1	6.3	<0.12	1580.85	6.47	2.52	207	143.1
	02/14/06	1.9	<0.60	3.3	5.4	<0.12	1580.83	7.11	1.26	164	165.4
	05/22/06	8.8	<0.4	14	19	<0.15	1581.21	6.78	1.17	157	214.3
	08/08/06	3.1	<0.4	5.2	7.1	<0.15	1579.79	7.23	2.16	467	271
	11/29/06	1	<0.4	2.3	2.7	<0.15	1580.63	7.11	2.17		220
	02/26/07	<0.4	<0.4	0.36	<0.15	<0.15	1581.04	6.86	1.20	425	356
	05/22/07	<0.4	<0.5	<0.4	<0.15	<0.15	1581.46	7.15	1.64		357
	08/21/07	<0.4	<0.5	0.59	0.44	<0.15	1580.37	6.67	1.57	452	298
	11/28/07	<0.4	<0.5	<0.4	<0.15	<0.15	1581.77	6.49	1.58	420	324
	07/28/08	<0.4	<0.5	<0.4	<0.15	<0.15	1580.49	6.82	2.07	359	360
	11/20/08	<0.4	<0.5	<0.4	<0.15	<0.15	1581.31	7.24	2.17	430	539
	02/11/09	<0.4	<0.5	<0.4	<0.15	<0.15	1580.82	6.98	1.42	387	524
	05/21/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.29	6.48	1.87	357	457
	08/05/09	<0.4	<0.5	<0.4	<0.15	<0.15	1580.38	6.44	2.54	437	382
	11/19/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.45	6.69	1.91	379	463
	05/11/10	<0.25	<0.25	<0.3	<0.21	<0.22	1581.28	7.10	1.93	376	411
	05/26/20	<0.41	<0.35	<0.37	<0.16	<0.20	1582.82	6.95	3.43	339	272
	Top of Casing Elevation = 1605.16 ft MSL										
B-3 (60')	06/01/00	ND	ND	ND	ND	ND					
	11/01/03	ND	ND	ND	ND	ND					
	12/07/04	<0.5	<0.4	<0.5	<0.6	<0.3	1582.35	9.17	1.16	58	250
	03/23/05	<0.6	<0.6	<0.4	<0.15	<0.12	1581.35	8.81	1.64	128	190.2
	09/01/05	<0.6	<0.6	<0.4	<0.15	<0.12	1581.95	7.61	0.51	242	179.5
	dupl 02/15/06	<0.6	<0.6	<0.4	1.8	<0.12	1581.84	8.12	1.43	159	182.9
	05/23/06	<0.4	<0.4	<0.29	<0.15	<0.15	1582.2	8.01	1.69	155	187.5
	08/08/06	0.42	<0.4	0.32	<0.15	<0.15	1581.45	8.03	0.94	334	223
	dupl 11/29/06	<0.4	<0.4	0.33	<0.15	<0.15	1581.65	7.22	1.43		196
	02/26/07	<0.4	<0.4	<0.29	<0.15	<0.15	1582.24	7.68	1.24	348	230
	05/22/07	<0.4	<0.5	<0.4	<0.15	<0.15	1582.69	7.56	1.31		237
	08/22/07	<0.4	<0.5	<0.4	<0.15	<0.15	1581.67	6.48	1.92	460	237
	11/29/07	<0.4	<0.5	<0.4	<0.15	<0.15	1582.35	7.98	1.94	383	231
	07/29/08	<0.4	<0.5	0.64	0.54	<0.15	1581.92	8.03	1.43	308	239
	11/20/08	<0.4	<0.5	<0.4	<0.15	<0.15	1581.88	8.44	2.12	301	248
	02/11/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.9	7.57	1.87	352	239
	05/21/09	<0.4	<0.5	0.76	0.42	<0.15	1582.93	6.40	2.33	366	2.45
	08/05/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.66	7.73	2.84	420	236
	11/19/09	<0.4	<0.5	<0.4	<0.15	<0.15	1582.32	7.90	2.57	279	234
	02/25/10	<0.4	<0.5	<0.4	<0.15	<0.15	1582.23	8.27	2.89	248	225
05/12/10	<0.25	<0.25	<0.3	<0.21	<0.22	1582.41	8.55	2.45	261	243	
10/25/10	<0.5	<0.5	<0.5	<0.2	<0.2	1583.42	8.20	2.28	242	240	
04/26/11	<0.5	<0.5	<0.5	<0.20	<0.20	1582.71	8.11	2.24	236	235	
10/28/11	<0.50	<0.50	<0.50	<0.20	<0.20	1582.98	6.76	1.91	239	241	
04/27/12	<0.12	<0.25	<0.17	<0.19	<0.10	1583.09	7.11	2.17	237	242	
01/09/14	<0.12	<0.25	<0.17	<0.19	<0.10	1583.18	6.93	2.32	257	317	
04/10/14	<0.12	<0.25	<0.17	<0.19	<0.10	1582.75	6.93	2.55		393	
10/28/14	<0.12	<0.25	<0.17	<0.19	<0.10	1583.62	7.18	1.29		304	
04/28/15	<0.12	<0.25	<0.17	<0.19	<0.10	1583.05	6.67	1.97		312	
10/21/15	<0.41	<0.35	<0.37	<0.16	<0.20	1583.45	7.89	1.98	376	274	
05/26/16	<0.41	<0.35	<0.37	<0.16	<0.20	1583.56	8.10	2.27	437	293	
11/17/16	<0.41	<0.35	<0.37	<0.16	<0.20	1583.58	8.27	2.19	250	272	
04/27/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.87	8.29	2.27	336	265	
10/31/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.55	8.06	2.24	308	272	
04/27/18	<0.41	<0.35	<0.37	<0.16	<0.20	1582.69	7.20	2.84	299	282	
10/30/18	<0.21	<0.23	<0.14	<0.20	<0.18	1583.53	6.98	2.51	412	297	
04/09/19	<0.41	<0.35	<0.37	<0.16	<0.20	1583.07	6.84	4.32	316	286	
10/28/19	<0.41	<0.35	<0.37	<0.16	<0.20	1583.62	6.92	2.99	300	314	
05/26/20	<0.41	<0.35	<0.37	<0.16	<0.20	1583.60	7.18	2.92	305	334	
Top of Casing Elevation = 1605.42 ft MSL											
B-3A (32')	06/01/00	ND	ND	<0.28>	ND	ND					
	11/01/03	ND	ND	<0.70>	ND	ND					
	12/07/04	<0.5	<0.4	<0.5	<0.6	<0.3	1582.50	8.88	1.38	50	324
	03/23/05	1	<0.6	0.74	1.2	<0.12	1581.54	7.38	1.95	342	245
	09/01/05	61	2.1	11	30	8.3	1581.80	6.94	1.68	257	250.8
	02/15/06	39	2.9	6.1	16	4.8	1581.74	7.68	1.61	158	254.3
	dupl 05/23/06	14	1.9	3.6	7.9	1.3	1582.11	7.58	1.42	156	245.3
	08/08/06	6.9	1.5	1.5	4.8	0.79	1581.53	7.64	1.16	348	285
	11/29/06	15	2.8	2.1	9.9	1.4	1581.80	7.09	1.37		250
	02/26/07	7.5	1.6	1.2	4.9	0.73	1582.31	7.52	1.70	375	282
	05/22/07	2.1	0.52	1.4	2.4	<0.15	1582.55	7.61	1.23		282
	08/22/07	0.73	<0.5	0.65	0.9	<0.15	1581.76	6.44	2.03	474	317
	11/29/07	0.77	<0.5	0.99	0.93	<0.15	1582.46	7.24	1.87	407	307
	07/29/08	<0.4	<0.5	<0.4	<0.15	<0.15	1581.81	7.53	2.16	321	329
	11/20/08	<0.4	<0.5	0.61	0.45	<0.15	1581.93	8.19	1.39	314	318
	02/11/09	<0.4	<0.5	0.74	0.43	<0.15	1581.72	7.32	1.83	364	322
	05/21/09	<0.4	<0.5	<0.4	<0.15	<0.15	1582.28	6.38	2.11	378	321
	08/05/09	<0.4	<0.5	0.6	0.39	<0.15	1581.58	6.96	2.78	460	327
	11/19/09	<0.4	<0.5	0.79	0.45	<0.15	1582.21	7.56	2.29	288	318
	02/25/10	<0.4	<0.5	0.82	0.36	<0.15	1582.16	7.84	1.66	250	307
05/12/10	<0.25	<0.25	0.86	0.34	<0.22	1582.33	8.09	2.19	315	300	
10/25/10	<0.5	<0.5	0.6	0.23	<0.2	1583.36	7.67	2.15	272	325	
04/26/11	<0.5	<0.5	0.58	<0.20	<0.20	1582.64	8.16	2.49	233	396	
10/28/11	<0.50	<0.50	0.66	0.20	<0.20	1582.92	6.87	2.12	243	406	

TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity	
ES		70	100	5	5	0.2						
PAL		7	20	0.5	0.5	0.02						
	04/27/12	<0.12	<0.25	<0.17	<0.19	<0.10	1583.05	7.13	2.21	239	399	
		continued on next page										
		continued from previous page										
B-3A	01/09/14	<0.12	<0.25	0.64	<0.19	<0.10	1583.15	6.88	2.38	228	409	
	04/10/14	<0.12	<0.25	<0.17	<0.19	<0.10	1582.68	6.91	2.28		422	
	10/29/14	<0.12	<0.25	0.55	<0.19	<0.10	1583.63	6.79	1.31		341	
	04/28/15	<0.12	<0.25	0.89	<0.19	<0.10	1583.06	6.62	2.46		375	
	10/21/15	<0.41	<0.35	<0.37	<0.16	<0.20	1583.40	7.68	2.06	386	326	
	05/26/16	<0.41	<0.35	0.66	0.46	<0.20	1583.53	7.66	2.37	430	382	
	11/17/16	<0.41	<0.35	1.2	0.42	<0.20	1583.54	8.12	2.49	345	355	
	04/28/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.91	8.00	2.02	363	354	
	10/31/17	<0.41	<0.35	0.64	<0.16	<0.20	1583.49	7.47	2.16	320	353	
	04/27/18	<0.41	<0.35	0.71	0.25	<0.20	1582.68	7.26	2.13	298	348	
	10/30/18	<0.21	<0.23	0.50 J	<0.20	<0.18	1583.48	6.99	2.65	419	367	
	04/09/19	<0.41	<0.35	0.71 J	<0.16	<0.20	1583.05	6.82	4.27	331	361	
	10/29/19	<0.41	<0.35	<0.37	<0.16	<0.20	1583.57	6.90	2.87	303	395	
	05/26/20	<0.41	<0.35	0.60 J	<0.16	<0.20	1583.56	7.31	2.64	328	442	
		Top of Casing Elevation = 1599.02 ft MSL										
B-5	12/06/04	<0.5	<0.4	<0.5	<0.6	<0.3	1583.16	8.06	1.23	177	235.8	
(20')	05/26/20	<0.41	<0.35	<0.37	<0.16	<0.20	1582.71	6.75	2.28	366	357	
		Top of Casing Elevation = 1602.86 ft MSL										
B-8	12/06/04	<0.5	<0.4	<0.5	<0.6	<0.3	1582.38	8.20	0.86	-36	642.1	
(30')	03/22/05	<0.60	<0.60	<0.4	<0.15	<0.12	1581.43	8.17	1.37	-36	631.6	
	08/31/05	<0.60	<0.60	<0.4	<0.15	<0.12	1581.09	6.52	1.55	137	472.8	
	02/14/06	<0.60	<0.60	<0.4	<0.15	<0.12	1581.56	6.89	1.48	145	566.4	
	05/22/06	<0.4	<0.4	<0.29	<0.15	<0.15	1582.27	7.13	1.32	142	570.5	
	08/08/06	<0.4	<0.4	<0.29	<0.15	<0.15	1580.93	8.29	1.25	180	663	
	11/29/06	<0.4	<0.4	<0.29	<0.15	<0.15	1581.31	7.17	1.43		430	
	02/26/07	<0.4	<0.4	<0.29	<0.15	<0.15	1581.59	7.29	1.15	104	657	
	05/22/07	<0.4	<0.5	<0.4	<0.15	<0.15	1582.03	7.61	1.89		579	
	08/21/07	<0.4	<0.5	<0.4	<0.15	<0.15	1581.12	6.07	1.36	174	700	
	11/28/07	<0.4	<0.5	<0.4	<0.15	<0.15	1582.27	6.44	1.93	176	755	
	07/28/08	<0.4	<0.5	<0.4	<0.15	<0.15	1581.68	6.46	1.98	147	725	
	02/11/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.33	6.74	2.08	123	778	
	05/21/09	<0.4	<0.5	<0.4	<0.15	<0.15	1582.55	7.42	2.49	201	7.13	
	02/25/10	<0.4	<0.5	<0.4	<0.15	<0.15	1581.81	6.60	1.02	120	838	
	05/11/10	<0.25	<0.25	<0.3	<0.21	<0.22	1582.02	6.87	1.73	131	785	
	05/26/20	<0.41	<0.35	<0.37	<0.16	<0.20	1583.73	7.24	1.82	135	716	
		Top of Casing Elevation = 1603.37 ft MSL										
B-8A	12/06/04	<0.5	<0.4	<0.5	<0.6	<0.3	1581.02	8.83	1.32	117	444.5	
(62')	03/22/05	<0.60	<0.60	<0.4	<0.15	<0.12	1581.08	8.88	1.44	-56	394.1	
	08/31/05	<0.60	<0.60	<0.4	<0.15	<0.12	1581.00	7.22	1.98	109	271.5	
	02/14/06	<0.60	<0.60	<0.4	0.34	<0.12	1580.93	7.56	1.95	163	269.3	
	05/22/06	<0.4	<0.4	<0.29	0.33	<0.15	1581.15	7.65	2.06	154	286.6	
	08/08/06	<0.4	<0.4	<0.29	<0.15	<0.15	1579.14	8.35	1.37	234	332	
	11/29/06	<0.4	<0.4	<0.29	<0.15	<0.15	1580.90	7.58	1.34		302	
	02/26/07	<0.4	<0.4	<0.29	<0.15	<0.15	1581.36	7.21	1.03	351	422	
	05/22/07	<0.4	<0.5	<0.4	<0.15	<0.15	1581.66	7.66	1.25		447	
	08/21/07	<0.4	<0.5	<0.4	<0.15	<0.15	1579.69	6.02	0.82	439	523	
	11/28/07	<0.4	<0.5	<0.4	<0.15	<0.15	1580.90	7.08	1.50	375	541	
	07/28/08	<0.4	<0.5	<0.4	<0.15	<0.15	1580.96	7.30	1.57	305	488	
	02/11/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.10	7.21	1.61	327	436	
	05/21/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.65	6.93	1.68	349	440	
	11/19/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.45	7.17	1.94	367	476	
	02/25/10	<0.4	<0.5	<0.4	<0.15	<0.15	1581.54	7.72	1.98	263	462	
	05/26/20	<0.41	<0.35	<0.37	<0.16	<0.20	1583.06	7.82	2.07	448	599	
		Top of Casing Elevation = 1598.47 ft MSL										
B-9	12/06/04	<0.5	<0.4	<0.5	<0.6	<0.3	1586.41	8.42	1.04	165	158.9	
(62')	11/29/06	<0.4	<0.4	<0.29	<0.15	<0.15	1585.51	7.51	1.12		191	
	02/26/07	<0.4	<0.4	<0.29	<0.15	<0.15	1586.17	7.61	1.74	410	206	
	05/22/07	<0.4	<0.5	<0.4	<0.15	<0.15	1596.48	7.58	1.21		358	
	08/21/07	<0.4	<0.5	<0.4	<0.15	<0.15	1585.22	6.50	2.30	376	186	
	11/28/07	<0.4	<0.5	<0.4	<0.15	<0.15	1586.36	6.54	1.23	392	353	
	07/28/08	<0.4	<0.5	<0.4	<0.15	<0.15	1578.88	6.88	2.18	291	318	
	02/11/09	<0.4	<0.5	<0.4	<0.15	<0.15	1580.73	6.06	1.62	358	488	
	02/25/10	<0.4	<0.5	<0.4	<0.15	<0.15	1580.06	7.90	1.72	244	305	
	05/26/20	<0.41	<0.35	<0.37	<0.16	<0.20	1582.83	7.08	2.17	332	468	

TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity	
ES		70	100	5	5	0.2						
PAL		7	20	0.5	0.5	0.02						
Top of Casing Elevation = 1601.25 ft MSL												
B-10 (52')	12/07/04	<0.5	<0.4	<0.5	<0.6	<0.3	1582.14	9.36	1.03	123	166	
	10/25/10	<0.5	<0.5	<0.5	<0.2	<0.2	1582.36	7.90	1.27	230	209	
	04/26/11	<0.5	<0.5	<0.5	<0.20	<0.20	1581.87	8.27	2.41	263	204	
	10/27/11	<0.50	<0.50	<0.50	<0.20	<0.20	1582.48	6.95	1.56	257	228	
	04/27/12	<0.12	<0.25	<0.17	<0.19	<0.10	1582.29	6.98	2.13	249	217	
	01/08/14	<0.12	<0.25	<0.17	<0.19	<0.10	1582.24	7.09	1.97	289	351	
	04/10/14	<0.12	<0.25	<0.17	<0.19	<0.10	1581.64	6.73	2.35		313	
	10/28/14	<0.12	<0.25	<0.17	<0.19	<0.10	1583.18	7.54	0.97		308	
	04/27/15	<0.12	<0.25	<0.17	<0.19	<0.10	1582.52	6.70	2.28		212	
	10/20/15	<0.41	<0.35	<0.37	<0.16	<0.20	1582.54	7.45	1.26	353	214	
	05/25/16	<0.41	<0.35	<0.37	<0.16	<0.20	1582.88	7.70	1.79	417	214	
	11/16/16	<0.41	<0.35	<0.37	<0.16	<0.20	1583.07	8.16	1.92	344	215	
	04/27/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.21	8.18	2.24	392	217	
	10/31/17	<0.41	<0.35	<0.37	<0.16	<0.20	1582.75	7.84	2.32	380	218	
	04/26/18	<0.41	<0.35	<0.37	<0.16	<0.20	1582.11	7.07	2.15	243	215	
	10/30/18	<0.21	<0.23	<0.14	<0.20	<0.18	1583.00	7.07	2.11	420	214	
	04/08/19	<0.41	<0.35	<0.37	<0.16	<0.20	1582.18	7.05	2.63	325	204	
10/28/19	<0.41	<0.35	<0.37	<0.16	<0.20	1583.08	7.18	2.51	295	206		
05/26/20	<0.41	<0.35	<0.37	<0.16	<0.20	1582.70	7.17	2.37	307	212		
Top of Casing Elevation = 1601.44 ft MSL												
B-11 (27')	12/07/04	<0.5	<0.4	<0.5	<0.6	<0.3	1582.29	8.98	1.33	119	276.4	
	10/26/10	<0.5	<0.5	<0.5	<0.2	<0.2	1582.61	7.13	2.14	231	308	
	04/26/11	<0.5	<0.5	<0.5	<0.20	<0.20	1582.15	8.04	2.50	214	241	
	10/27/11	<0.50	<0.50	<0.50	<0.20	<0.20	1582.43	6.93	2.00	225	256	
	04/27/12	<0.12	<0.25	<0.17	<0.19	<0.10	1582.56	7.00	2.08	227	252	
	01/08/14	<0.12	<0.25	<0.17	<0.19	<0.10	1582.41	6.91	2.37	271	346	
	04/10/14	<0.12	<0.25	<0.17	<0.19	<0.10	1581.86	6.65	2.58		332	
	10/28/14	<0.12	<0.25	<0.17	<0.19	<0.10	1583.15	6.79	0.85		314	
	04/27/15	<0.12	<0.25	<0.17	<0.19	<0.10	1582.50	6.79	2.38		275	
	10/20/15	<0.41	<0.35	<0.37	<0.16	<0.20	1582.72	7.08	2.23	289	251	
	05/25/16	<0.41	<0.35	<0.37	<0.16	<0.20	1582.85	7.26	2.19	441	251	
	11/16/16	<0.41	<0.35	<0.37	<0.16	<0.20	1583.05	7.85	2.54	270	246	
	04/27/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.40	7.92	2.07	371	265	
	10/31/17	<0.41	<0.35	<0.37	<0.16	<0.20	1582.80	7.40	1.74	382	250	
	04/26/18	<0.41	<0.35	<0.37	<0.16	<0.20	1582.12	6.94	2.31	266	249	
	10/30/18	<0.21	<0.23	<0.14	<0.20	<0.18	1582.98	7.06	2.31	377	268	
	04/08/19	<0.41	<0.35	<0.37	<0.16	<0.20	1582.36	6.99	4.56	338	262	
10/28/19	<0.41	<0.35	<0.37	<0.16	<0.20	1583.07	7.16	2.50	306	282		
05/26/20	<0.41	<0.35	<0.37	<0.16	<0.20	1582.91	6.42	2.28	337	285		
Top of Casing Elevation = 1604.00 ft MSL												
B-12 (42')	12/07/04	<0.5	<0.4	<0.5	<0.6	<0.3	1582.19	8.95	1.26	127	1731	
	10/25/10	<0.5	<0.5	0.62	<0.2	<0.2	1582.66	7.57	1.52	292	217	
	04/26/11	<0.5	<0.5	<0.5	<0.20	<0.20	1582.14	8.11	2.55	300	208	
	10/27/11	<0.50	<0.50	<0.50	<0.20	<0.20	1582.32	6.99	1.64	287	211	
	04/27/12	<0.12	<0.25	<0.17	<0.19	<0.10	1582.53	7.03	1.95	294	215	
	01/08/14	<0.12	<0.25	<0.17	<0.19	<0.10	1582.27	7.14	1.88	300	297	
	04/10/14	2.2	<0.25	<0.17	0.53	<0.10	1581.72	6.81	2.44		329	
	10/28/14	1.4	<0.25	<0.17	0.29	<0.10	1583.08	6.71	1.24		287	
	04/27/15	<0.12	<0.25	<0.17	<0.19	<0.10	1582.40	6.83	2.19		227	
	10/20/15	<0.41	<0.35	<0.37	<0.16	<0.20	1582.65	7.10	1.65	325	225	
	05/24/16	3.0	<0.35	<0.37	0.74	<0.20	1582.76	7.33	1.94	442	254	
	11/16/16	1.8	<0.35	<0.37	0.47	<0.20	1582.17	7.99	2.85	361	237	
	duplicate	04/27/17	17	<0.35	<0.37	9.0	<0.20	1583.41	7.77	2.27	430	289
		10/31/17	<0.41	<0.35	<0.37	<0.16	<0.20	1582.69	7.40	2.30	373	209
		04/26/18	<0.41	<0.35	<0.37	<0.16	<0.20	1581.96	7.13	2.17	247	207
		10/30/18	<0.21	<0.23	<0.14	<0.20	<0.18	1582.89	7.14	2.88	429	211
		04/08/19	<0.41	<0.35	<0.37	<0.16	<0.20	1582.29	7.07	2.53	329	207
	10/28/19	<0.41	<0.35	<0.37	<0.16	<0.20	1582.96	7.24	2.58	289	214	
	05/26/20	<0.41	<0.35	<0.37	<0.16	<0.20	1582.89	6.91	2.89	310	197	

TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity
ES		70	100	5	5	0.2					
PAL		7	20	0.5	0.5	0.02					
Top of Casing Elevation = 1596.70 ft MSL											
B-13 (25')	11/01/93	310	4.5	470	290	32					
	01/01/94	nd	nd	nd	nd	nd					
	07/01/94	180	nd	200	210	210					
	01/01/95	14	nd	320	22	22					
	06/01/95	290	nd	510	210	210					
	01/01/96	230	24	950	210	210					
	06/01/96	200	nd	590	200	200					
	01/01/97	210	nd	590	160	160					
	10/01/97	53	nd	1100	49	49					
	04/01/98	1100	nd	1100	1100	1100					
	11/01/98	527	nd	1100	28	28					
	06/01/99	520	nd	420	360	360					
	06/01/00	15	nd	510	13	13					
	01/01/01	1000	14	1000	830	830					
	12/01/01	68	nd	320	47	47					
	06/01/02	52	nd	580	44	44					
	12/01/02	510	nd	290	190	190					
	11/03/03	400	nd	460	260	260					
Pump test	11/09/04	530	10	370	330	35	1583.52				
Pump test	11/09/04	520	9.1	330	300	32	1577.79				
Pump test	11/09/04	550	11	380	320	38	1577.80				
	12/08/04	310	6.6	48	150	13	1583.42	8.47	1.48	88	442
	03/23/05	49	4.8	29	29	2.7	1582.46	9.10	1.58	141	311
	09/01/05	30	6.1	37	25	0.59	1582.53	6.87	1.12	180	224.7
	02/15/06	49	<6.0	92	20	<1.2	1582.45	7.23	1.14	157	251
	05/23/06	29	<4.0	140	24	<1.5	1582.86	7.29	0.97	154	258.8
	08/08/06	27	<4.0	92	39	<1.5	1582.58	7.70	0.97	285	381
	11/29/06	48	5	33	52	1.5	1582.77	7.28	1.23		268
	02/26/07	97	1.3	98	63	<0.30	1583.16	7.04	1.33	359	427
	05/22/07	40	<1.0	61	27	<0.3	1583.20	7.60	1.16		370
	08/22/07	29	0.55	34	18	<0.15	1582.62	5.73	1.56	444	355
	11/29/07	4.5	<0.5	15	5.3	<0.15	1583.12	6.72	1.70	406	294
Qtr	07/29/08	9.6	<0.5	34	9.3	<0.15	1582.59	6.75	1.82	344	406
Pilot Study	09/11/08	9.3	<0.5	16	7.1	<0.15	1582.58	7.13	2.41	316	372
Pilot Study	10/09/08	9.9	<0.5	22	8.1	<0.15	1582.95	7.55	2.15	308	379
Qtr	11/21/08	14	<0.5	15	5.9	<0.15	1582.90	7.66	2.01	364	378
Pilot Study	12/17/08	1.9	<0.50	13	3.7	<0.15	1582.89	8.12	1.48	312	257
Qtr	02/11/09	0.58	<0.5	37	1.6	<0.15	1582.43	7.53	1.49	414	297
Qtr	05/21/09	15	<0.5	46	9.6	<0.15	1582.93	6.47	2.10	357	394
Pilot Study	08/05/09	370		170	170	0.7	1582.29	6.19	1.49	441	580
Qtr	11/19/09	120	1.4	100	68	<0.3	1582.89	6.48	1.75	402	446
	02/25/10	56	0.69	54	33	<0.15	1582.98	7.18	1.66	251	407
	05/12/10	23	0.3	33	14	<0.22	1583.02	7.28	1.55	233	410
	10/25/10	93	<1.0	120	44	0.64	1584.19	6.53	1.42	185	700
	04/26/11	35	<0.50	25	31	2.6	1583.46	7.79	2.06	152	559
B-13 (25')	10/28/11	240	2.7	150	130	0.94	1583.62	7.28	1.72	165	593
	04/27/12	18	<0.25	24	11	1.1	1583.73	7.25	1.58	172	601
	01/09/14	65	0.57	35	26	11	1583.86	7.22	1.96	181	611
	04/10/14	63	<0.25	22	12	5.7	1583.55	7.02	2.46		580
	10/29/14	210	2.2	100	100	48	1584.36	6.43	0.97		396
	04/28/15	19	<0.25	57	24	1.9	1583.82	6.67	2.07		336
	10/21/15	18	<0.35	22	12	2.3	1584.08	6.80	1.89	287	374
	05/26/16	41	<0.35	440	32	2.2	1584.29	7.19	2.24	403	371
	11/17/16	250	2.2	150	73	38	1584.22	7.69	2.58	300	389
	04/28/17	8.8	<0.35	39	4.8	<0.20	1584.69	7.27	1.84	367	287
	10/31/17	84	0.68	64	43	1.1	1584.22	6.89	2.36	246	405
	04/27/18	29	<0.35	35	15	<0.20	1583.54	7.08	2.10	303	299
	10/30/18	77	0.79 J	84	48	<0.18	1584.23	6.98	2.27	427	394
	04/09/19	44	<0.35	44	28	<0.20	1583.90	7.10	3.56	382	324
	10/29/19	3.7	<0.35	17	3.8	<0.20	1584.31	7.00	2.65	329	295
	05/26/20	36	<0.35	45	26	<0.20	1584.29	7.36	2.07	345	297

TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity
ES		70	100	5	5	0.2					
PAL		7	20	0.5	0.5	0.02					
Top of Casing Elevation = 1596.33 ft MSL											
B-13A (62')	12/08/04	1.5	<0.4	<0.5	<0.6	<0.3	1582.22	9.12	1.45	64	2.46.4
	03/23/05	0.95	<0.6	<0.4	<0.15	<0.12	1581.25	9.38	1.36	141	191.5
	09/01/05	1	<0.6	<0.4	2.6	<0.12	1581.56	7.58	0.67	148	160
	02/15/06	1	<0.60	0.62	2.8	<0.12	1581.43	7.73	1.75	156	150.6
	05/23/06	0.99	0.44	<0.29	3.7	<0.15	1581.83	8.26	1.01	153	146.2
	08/08/06	1.1	0.42	<0.29	3.5	<0.15	1581.60	8.29	1.19	225	166
	11/29/06	1.6	<0.4	<0.29	2.7	0.25	1581.57	7.61	1.17		149
	02/26/07	0.41	<0.4	0.3	0.93	<0.15	1582.19	7.64	1.51	353	172
	05/22/07	<0.4	<0.5	<0.4	0.54	<0.15	1582.25	7.33	1.28		207
	08/22/07	<0.4	<0.5	<0.4	0.42	<0.15	1581.67		1.68	371	227
	11/29/07	<0.4	<0.5	<0.4	0.23	<0.15	1582.13	7.69	1.18	352	204
Qtr	07/29/08	<0.4	<0.5	<0.4	0.19	<0.15	1581.61	8.03	1.79	308	241
Pilot Study	09/11/08	<0.4	<0.5	<0.4	0.26	<0.15	1581.55	8.20	2.53	248	223
Pilot Study	10/09/08	<0.4	<0.5	<0.4	0.26	<0.15	1581.85	8.67	2.20	251	225
Qtr	11/21/08	0.43	<0.5	0.42	<0.15	<0.15	1581.77	8.31	1.84	300	227
Pilot Study	12/17/08	0.41	<0.50	<0.40	0.25	<0.15	1581.84	8.27	1.43	297	233
Qtr	02/11/09	0.51	<0.5	<0.4	0.32	<0.15	1581.39	7.67	1.96	401	237
Qtr	05/21/09	0.53	<0.5	0.75	0.29	<0.15	1582.09	6.43	1.82	363	246
Pilot Study	08/05/09	1.4	<0.5	3.5	1.5	<0.15	1581.32	7.61	1.51	396	237
Qtr	11/19/09	0.79	<0.5	1.8	0.69	<0.15	1581.92	7.55	1.17	229	240
	02/25/10	0.6	<0.5	<0.4	<0.15	<0.15	1581.96	7.98	1.21	203	239
	05/12/10	0.64	<0.25	0.61	0.29	<0.22	1581.96	8.56	1.21	256	246
	10/25/10	0.74	<0.5	1.8	0.57	<0.2	1582.79	8.07	2.15	205	246
	04/26/11	0.64	<0.50	<0.50	0.45	<0.20	1582.31	8.29	1.92	179	249
	10/28/11	1.2	<0.50	2.3	1.3	<0.20	1582.47	6.95	2.25	188	253
	04/27/12	<0.12	<0.25	<0.17	0.34	<0.10	1582.63	7.07	1.72	191	250
	01/09/14	<0.12	<0.25	0.56	0.33	<0.10	1582.68	7.11	1.83	190	342
	04/10/14	<0.12	<0.25	<0.17	<0.19	<0.10	1582.34	6.98	2.23		391
	10/29/14	<0.12	<0.25	0.78	0.46	<0.10	1583.10	7.26	0.90		291
	04/28/15	<0.12	<0.25	0.63	<0.19	<0.10	1582.73	7.14	2.18		295
	10/21/15	<0.41	<0.35	<0.37	<0.16	<0.20	1582.98	7.54	1.92	287	306
	05/26/16	<0.41	<0.35	3.3	0.46	<0.20	1583.19	7.98	1.65	352	313
	11/17/16	<0.41	<0.35	1.4	0.36	<0.20	1583.18	8.13	1.84	265	312
	04/28/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.51	8.26	2.13	340	314
	10/31/17	<0.41	<0.35	0.81	<0.16	<0.20	1583.14	7.93	2.39	306	318
	04/27/18	<0.41	<0.35	<0.37	<0.16	<0.20	1582.32	6.95	2.26	297	327
	10/30/18	<0.21	<0.23	0.94 J	0.33 J	<0.18	1583.12	6.97	2.53	416	335
	04/09/19	<0.41	<0.35	0.50 J	0.19 J	<0.20	1582.66	7.08	2.65	368	346
	10/29/19	<0.41	<0.35	<0.37	<0.16	<0.20	1583.22	7.12	2.78	302	359
	05/26/20	<0.41	<0.35	0.50 J	0.25 J	<0.20	1583.17	7.54	2.46	338	334
Top of Casing Elevation = 1596.16 ft MSL											
B-13B (92')	12/08/04	0.92	<0.4	<0.5	<0.6	<0.3	1582.48	9.34	1.25	44	497.8
	03/23/05	<0.6	<0.6	<0.4	<0.15	<0.12	1581.24	8.40	1.77	173	197.8
	09/01/05	<0.6	<0.6	<0.4	<0.15	<0.12	1581.68	7.57	1.41	253	144
	02/15/06	<0.6	<0.6	<0.4	<0.15	<0.12	1581.51	8.18	1.30	156	151.9
	05/23/06	<0.4	<0.4	<0.29	<0.15	<0.15	1581.93	8.10	1.13	153	144.9
	08/08/06	<0.4	<0.4	0.32	<0.15	<0.15	1581.74	7.83	0.74	326	168
	11/29/06	<0.4	<0.4	0.32	<0.15	<0.15	1581.65	7.32	1.25		159
	02/26/07	<0.4	<0.4	<0.29	<0.15	<0.15	1582.37	7.58	1.72	349	172
	05/22/07	<0.4	<0.5	<0.4	<0.15	<0.15	1582.44	7.27	1.33		191
	08/22/07	<0.4	<0.5	<0.4	<0.15	<0.15	1581.88	5.89	2.04	370	205
	11/29/07	<0.4	<0.5	<0.4	<0.15	<0.15	1582.27	7.90	1.64	353	200
	07/29/08	<0.4	<0.5	<0.4	<0.15	<0.15	1581.79	8.02	1.58	279	207
	02/11/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.51	7.69	1.89	360	198
	05/21/09	<0.4	<0.5	<0.4	<0.15	<0.15	1581.96	6.35	1.91	364	208
	11/19/09	<0.4	<0.5	0.66	<0.15	<0.15	1582.05	7.68	1.83	249	200
	02/25/10	<0.4	<0.5	0.51	0.18	<0.15	1582.01	8.12	1.73	212	201
	05/12/10	<0.25	<0.25	<0.3	<0.21	<0.22	1582.09	8.66	1.92	277	213
	10/25/10	<0.5	<0.5	<0.5	<0.2	<0.2	1582.82	7.80	1.56	276	210
	04/26/11	<0.5	<0.5	<0.5	<0.2	<0.2	1582.42	8.08	1.74	191	238
	10/28/11	<0.50	<0.50	0.83	0.44	<0.20	1582.52	6.82	1.97	204	224
	04/27/12	<0.12	<0.25	<0.17	<0.19	<0.10	1582.70	7.13	1.66	202	229
	01/09/14	<0.12	<0.25	<0.17	<0.19	<0.10	1582.70	7.15	1.84	198	365
	04/10/14	<0.12	<0.25	<0.17	<0.19	<0.10	1582.43	7.08	1.93		399
	10/29/14	<0.12	<0.25	<0.17	<0.19	<0.10	1583.07	7.24	0.96		338
	04/28/15	<0.12	<0.25	<0.17	<0.19	<0.10	1582.78	6.86	1.89		339
	10/21/15	<0.41	<0.35	<0.37	<0.16	<0.20	1583.04	7.62	1.77	335	369
	05/26/16	<0.41	<0.35	1.2	<0.16	<0.20	1583.23	7.96	2.08	417	367

continued on next page

TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity	
ES		70	100	5	5	0.2						
PAL		7	20	0.5	0.5	0.02						
B-13B	11/17/16	continued from previous page										
	04/28/17	<0.41	<0.35	0.62	<0.16	<0.20	1583.24	8.14	2.39	327	408	
	10/31/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.53	8.34	2.19	351	588	
	04/27/18	<0.41	<0.35	0.56	<0.16	<0.20	1583.21	8.07	2.28	332	431	
	10/30/18	<0.41	<0.35	1.3	0.43	<0.20	1582.38	7.02	2.91	304	503	
	04/09/19	<0.41	<0.35	1.2	<0.20	<0.18	1583.20	6.97	2.01	419	450	
	10/29/19	<0.41	<0.35	1.7	0.57	<0.20	1582.71	7.09	2.23	354	471	
	05/26/20	<0.41	<0.35	2.6	0.74	<0.20	1583.25	7.01	1.99	336	538	
		<0.41	<0.35	2.5	1.9	<0.20	1583.22	7.72	2.57	346	716	
B-15 (42')	12/07/04	Top of Casing Elevation = 1601.77 ft MSL										
		<0.5	<0.4	<0.5	<0.6	<0.3	1583.36	8.73	1.19	136	410.9	
EXW-2	06/01/00	4.3	ND	3.2	7.9	<0.16>						
	01/01/01	4	<0.18>	3.4	7.3	<0.18>						
	12/01/01	4.5	ND	5.6	8.6	ND						
	06/01/02	4.9	<0.21>	1.9	7.3	ND						
	12/01/02	5	ND	1.2	5.3	ND						
	11/01/03	6.8	ND	3.4	6.9	0.53						
	12/06/04	5.2	<0.4	1.9	4.5	<0.3						
	03/23/05	<0.6	<0.6	<0.4	<0.15	<0.12		9.03	1.56	-64	775.3	
	09/01/05	<0.6	<0.6	<0.4	<0.15	<0.12		7.46	1.15	19	562.3	
	02/15/06	<3.0	<3.0	<2.0	<0.75	<0.6		7.47	1.92	151	730.9	
	05/23/06	0.41	<0.4	0.33	0.35	<0.15		7.62	0.84	142	123.6	
	08/22/06	<0.4	<0.4	<0.29	<0.15	<0.15		8.72	1.38	78	144	
EXW-4	03/22/05	0.78	<0.6	0.87	1.2	<0.12						
	09/01/05	<0.6	<0.6	<0.4	<0.15	<0.12						
	05/23/06	9.1	<0.4	6	11	0.37		8.23	1.50	156	209.7	
	08/08/06	5.1	<0.4	4.1	5.5	0.17		8.59	1.76	159	222	
	11/29/06	4.1	<0.4	3.7	5.5	0.16		7.17	1.71		215	
	02/26/07	2.5	<0.4	2.5	3.2	<0.15		8.08	2.51	39	250	
	05/23/07	2.2	<0.5	2.3	2.8	<0.15		7.57	1.49		268	
	08/22/07	1.2	<0.5	1.3	1.6	<0.15		6.95	2.01	342	234	
	11/29/07	1.5	<0.5	1.6	2.2	<0.15		7.76	2.23	139	285	
	07/29/08	1.3	<0.5	0.55	2.1	<0.15		8.07	2.85	305	279	
	11/20/08	1	<0.5	0.7	1.5	<0.15		8.30	1.19	304	311	
	02/11/09	0.93	<0.5	0.44	1.2	<0.15		7.93	1.69	349	335	
	05/21/09	2.3	<0.5	1.2	2.6	<0.15		7.71	2.39	225	317	
	08/05/09	2	<0.5	1.1	2.1	<0.15		7.52	1.91	291	281	
	11/19/09	0.76	<0.5	0.61	1	<0.15		7.80	2.53	239	289	
	02/25/10	0.67	<0.5	0.5	0.77	<0.15		7.97	2.18	211	308	
	05/11/10	0.64	<0.25	0.45	0.7	<0.22		8.31	2.56	359	321	
	10/25/10	0.91	<0.5	0.96	1.1	<0.2		7.70	2.74	181	346	
	04/26/11	1.9	<0.50	0.61	2.1	<0.20		8.26	2.67	143	326	
	10/27/11	0.92	<0.50	<0.50	0.82	<0.20		7.11	2.08	176	355	
	04/27/12	<0.12	<0.25	<0.17	0.35	<0.10		7.15	2.13	172	349	
	01/08/14	0.67	<0.25	<0.17	0.62	<0.10		7.06	2.13	125	359	
	04/10/14	0.91	<0.25	<0.17	0.76	<0.10		6.71	2.33		376	
	10/28/14	0.99	<0.25	<0.17	0.99	<0.10		7.29	1.37		328	
	04/27/15	<0.12	<0.25	<0.17	1.7	<0.10		6.60	2.02		311	
	10/22/15	1.1	<0.35	<0.37	1.1	<0.20		7.48	2.14	246	375	
	05/25/16	1.7	<0.35	<0.37	1.8	<0.20		7.66	2.15	296	384	
	11/16/16	1.5	<0.35	<0.37	1.4	<0.20		8.01	4.04	259	272	
	10/31/17	1.9	<0.35	<0.37	1.4	<0.20		7.79	3.53	362	378	
	04/26/18	1.7	<0.35	<0.37	1.3	<0.20		7.09	3.16	256	377	
	10/30/18	1.6	<0.23	0.22 J	0.92 J	<0.18		7.14	2.79	425	376	
	04/08/19	1.3	<0.35	<0.37	1.0	<0.20		6.90	5.07	360	367	
	10/28/19	1.3	<0.35	<0.37	0.99	<0.20		7.20	2.58	308	384	
	05/26/20	2.2	<0.35	<0.37	1.4	<0.20		6.65	3.21	315	387	
EXW-5	11/01/93	32	ND	48	48	ND						
	01/01/94	ND	ND	48	48	ND						
	07/01/94	6.2	ND	6.7	ND	14						
	01/01/95	35	ND	32	57	ND						
	06/01/95	ND	ND	96	110	19						
	01/01/96	18	ND	17	19	ND						
	06/01/96	28	1.7	2.4	20	ND						
	01/01/97	59	3.8	28	36	ND						
	10/01/97	68	ND	36	49	ND						
	04/01/98	58	ND	31	33	ND						
	11/01/98	110	ND	38	54	ND						
	06/01/99	150	ND	<9.3>	24	ND						
	12/01/99	2.5	ND	<0.42>	0.98	ND						
	06/01/00	160	1.6	19	32	ND						
	01/01/01	16	<0.29>	5.8	10	ND						
	12/01/01	19	ND	5.6	8.6	ND						
	06/02/02	54	ND	11	24	3.3						
	12/01/02	57	ND	8.6	18	ND						
	12/06/04	61	<0.4	<1.0	<1.2	11						
	03/23/05	38	<1.2	1.6	9	2.7		8.97	1.14	-72	417.5	
	09/01/05	29	<0.6	<0.40	0.48	2.1		7.16	1.06	64	112.7	
	02/15/06	33	<0.6	0.42	1.2	4.5		7.41	1.90	150	112.8	
	05/23/06	51	<0.8	4.5	8.9	5.2		7.49	1.81	145	160.5	

TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity
ES		70	100	5	5	0.2					
PAL		7	20	0.5	0.5	0.02					
	08/08/06	33	0.62	1.7	3.3	3.7		8.44	0.97	80	128
	11/29/06	33	0.46	17	18	7		7.38	1.19		168
	02/26/07	2.3	<0.4	<0.29	1.4	0.4		7.60	1.01	110	146
	05/22/07	1.5	<0.5	<0.4	0.35	0.4		7.69	1.34		168
		continued on next page									
		continued from previous page									
EXW-5	08/22/07	1.5	<0.5	<0.4	0.21	1.3		6.69	2.14	121	116
	11/29/07	2.7	<0.5	<0.4	0.25	1.2		7.35	1.84	88	106
	07/29/08	2.3	<0.5	<0.4	<0.15	0.56		7.44	1.23	51	141
		Well Abandoned									
EXW-6	02/26/07	43	1.1	23	19	2.4		7.90		293	224
	05/22/07	44	0.99	25	18	2.2		7.55	1.52		239
	08/22/07	34	0.67	16	12	1.6		6.65	2.34	231	225
	11/29/07	36	0.69	20	14	1.2		7.24	1.71		285
	07/29/08	32	0.55	23	14	0.79		7.45	1.87		228
	09/11/08	26	<0.5	16	12	0.69		7.87	2.23	254	224
	10/09/08	34	0.53	19	15	1.1		8.02	2.03		228
	11/20/08	27	<0.5	15	13	0.94		7.95	1.87		385
	12/17/08	23	<0.50	14	12	0.51		8.04	2.29	303	226
	02/11/09	25	<0.5	18	14	<0.15		8.02	1.98		377
	05/21/09	22	<0.5	16	13	0.77		7.56	2.12	356	230
	08/05/09	30	<0.5	16	13	1.9		6.70	2.37	351	241
	11/19/09	32	0.6	17	16	2.3		7.47	2.45		231
	02/25/10	22	<0.5	13	12	0.86		8.12	1.69	226	227
	05/11/10	23	0.42	13	11	2.3		7.86	1.62	278	234
	10/25/10	24	<0.5	13	13	3.2		7.28	1.73	221	249
	04/26/11	20	<0.50	13	12	1.4		8.28	2.33	304	269
	10/27/11	24	<0.50	16	16	2.4		7.06	1.42	216	270
	04/27/12	23	0.50	7.0	9.2	3.2		7.12	1.85	218	263
	01/08/14	19	<0.25	6.9	12	1.6		7.27	2.09	227	417
	04/10/14	<0.12	<0.25	<0.17	0.87	<0.10		6.59	2.17		444
	10/28/14	18	<0.25	8.6	12	1.6		7.44	1.81		310
	04/27/15	18	<0.25	5.9	12	1.7		6.52	1.94		327
	10/20/15	16	<0.35	6.0	8.8	1.4		7.44	2.18	367	289
	05/25/16	24	1.3	<0.37	0.80	6.3		7.96	1.84	65	412
	11/16/16	17	<0.35	8.1	9.5	1.1		7.90	2.34	322	300
	04/27/17	19	<0.35	7.0	11	1.1		7.76	2.42	397	300
	10/31/17	18	<0.35	6.0	10	1.2		7.68	2.65	374	299
	04/26/18	19	<0.35	7.6	13	1.3		7.03	2.19	262	298
	10/30/18	16	<0.23	6.7	9.3	0.92 J		7.01	2.34	439	292
	04/08/19	<0.41	<0.35	<0.37	1.0	<0.20		7.21	4.02	338	374
	10/28/19	16	<0.35	4.7	8.7	<0.20		7.04	2.38	357	286
	05/26/20	18	<0.35	4.0	10	0.85 J		6.74	2.49	347	290
MW-16	11/01/93	ND	ND	ND	ND	ND					
	01/01/94	ND	ND	ND	ND	ND					
	07/01/94	ND	ND	ND	ND	ND					
	01/01/95	ND	ND	ND	ND	ND					
	06/01/95	ND	ND	ND	ND	0.71					
	01/01/96	ND	ND	ND	ND	ND					
	06/06/96	ND	1.3	ND	ND	ND					
	01/01/97	ND	ND	ND	ND	ND					
	10/01/97	ND	ND	0.54	ND	ND					
	04/01/98	ND	ND	1	ND	ND					
	11/01/98	ND	ND	ND	ND	ND					
	06/01/99	Lost Well									

TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity
ES		70	100	5	5	0.2					
PAL		7	20	0.5	0.5	0.02					
Top of Casing Elevation = 1591.80 ft MSL											
MW-17 (18')	11/01/93	230	3.5	23	40	1.2					
	01/01/94	400	ND	40	58	ND					
	07/01/94	380	ND	44	40	ND					
	01/01/95	12	ND	0.53	112	ND					
	06/01/95	ND	ND	380	53	12					
	01/01/96	180	40	32	31	ND					
	06/06/96	290	13	80	40	6.7					
	01/01/97	860	7	33	53	3.2					
	10/01/97	270									
	04/01/98	84	ND	11	9.4	ND					
	11/01/98	290	4.5	24	37	2.8					
	06/01/99	170	ND	<9.7>	23	ND					
	12/01/99	420	ND	ND	26	ND					
	06/01/00	220	ND	ND	ND	ND					
	01/01/01	270	<7.0>	ND	<8.7>	<4.4>					
	12/01/01	200	<5.0>	<5.2>	<4.8>	ND					
	06/01/02	180	<5.7	9.4	8.9	ND					
	12/01/02	230	ND	<13>	43	<5.1>					
	11/01/03	390	<13>	ND	ND	ND					
	12/07/04	220	7.5	6.8	14	4.7	1583.11	8.64	1.46	-32	230
	03/23/05	84	3.4	7.8	6.7	2.6	1582.17	8.90	1.76	16	252.4
	09/01/05	330	9.1	1.4	5	23	1582.31	6.65	1.78	204	240
	02/15/06	140	4.6	4.3	1.9	2.9	1582.12	7.32	1.75	153	196.4
	05/23/06	98	<4.0	5.9	5.8	4	1582.75	7.24	1.68	152	171.9
	08/08/06	290	5.7	7.9	12	12	1582.80	7.44	1.58	2.57	264
	11/29/06	190	4.6	11	25	8.7	1582.54	7.38	1.67		249
	02/26/07	230	4	<2.9	18	15	1582.82	7.16	1.49	216	253
	05/23/07	100	4.9	2.4	3	9.2	1583.11	7.66	1.88		236
	08/22/07	130	<2.5	6.1	18	10	1582.56	6.20	2.23	2.04	309
	11/29/07	110	4.5	3.8	5.8	11	1582.89	6.62	2.18	255	263
Qtr	07/29/08	100	6.7	4	3.5	12	1582.82	6.83	2.35	209	272
Pilot Study	09/11/08	180	3	4.3	22	18	1582.45	6.39	1.87	229	487
Pilot Study	10/09/08	150	3	<2.0	<0.75	14	1582.71	6.56	2.57	195	616
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continued from previous page											
MW-17	11/21/2008	99	2.7	<2.0	<0.75	10	1582.59	7.08	1.55	150	633
Pilot Study	12/17/2008	120	5.4	<2.0	<0.75	14	1582.39	7.05	2.11	149	657
Qtr	2/11/2009	78	2.4	1.7	2.1	29	1582.41	7.43	1.37	225	426
Qtr	5/21/2009	63	3.5	1.3	0.72	49	1582.97	8.63	2.10	172	400
Pilot Study	8/5/2009	180	1.7	6.8	43	91	1582.26	5.98	2.90	181	512
Qtr	11/19/2009	8.6	<0.5	0.85	2.2	45	1582.67	6.28	2.10	182	494
	02/25/10	14	<0.5	0.85	0.35	41	1582.45	6.62	1.98	217	5.9
	05/11/10	11	0.25	0.41	0.24	26	1582.67	6.89	1.47	244	386
	10/25/10	6.5	<0.5	<0.5	1.4	41	1583.43	6.28	2.14	143	313
	04/26/11	6.7	<0.50	0.56	3.5	8.3	1583.05	7.44	2.27	87	249
	10/28/11	130	1.3	<0.50	12	110	1583.00	7.30	2.07	137	362
	04/27/12	10	<0.25	<0.17	0.50	16	1583.07	7.32	2.39	141	328
	01/08/14	33	2.0	0.55	5.0	91	1583.19	6.78	2.19	152	395
	04/10/14	30	1.2	<0.17	1.1	19	1583.42	6.82	2.34		237
	10/28/14	48	1.5	<0.17	0.38	55	1583.62	6.25	1.11		257
	04/27/15	23	1.4	<0.17	1.1	19	1583.11	6.67	1.96		255
	10/20/15	<0.42	2.3	<0.37	24	46	1583.29	6.58	1.95	187	450
	05/25/16	19	<0.35	<0.37	0.52	19	1583.39	6.48	2.15	238	164
	11/16/16	64	2.3	<0.37	<0.16	42	1583.43	7.19	1.65	182	267
	04/27/17	17	<0.35	<0.37	<0.16	11	1583.81	7.26	1.99	220	162
	10/31/17	46	0.91	<0.37	1.7	22	1583.63	6.83	2.23	204	293
	04/27/18	6.0	<0.35	2.5	0.96	4.5	1583.97	6.89	2.28	131	180
	10/30/18	84	2.5	0.97 J	0.71 J	27	1583.45	7.96	2.06	309	236
	04/08/19	19	0.65	<0.37	0.70	7.9	1583.54	7.19	3.05	224	225
	10/28/19	22	0.76	<0.37	0.26	12	1583.59	7.05	2.80	231	223
	05/26/20	31	1.2	0.64 J	0.62	9.6	1583.49	6.81	2.46	257	166

TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity
ES		70	100	5	5	0.2					
PAL		7	20	0.5	0.5	0.02					
Top of Casing Elevation = 1591.42 ft MSL											
MW-18 (17')	11/01/93	44	0.93	2200	200	ND					
	01/01/94	ND	ND	8000	530	ND					
	07/01/94	15	ND	75	13	ND					
	01/01/95	6.3	ND	4.2	21	ND					
	06/01/95	ND	ND	4.1	1600	950					
	01/01/96	6.7	ND	110	100	ND					
	06/06/96	3.9	ND	51	34	ND					
	01/01/97	16	ND	500	130	ND					
	10/01/97	20	ND	290	150	ND					
	04/01/98	3.3	ND	37	13	ND					
	11/01/98	24	0.84	41	43	ND					
	06/01/99	19	ND	5.1	28	ND					
	12/01/99	Not Sampled because well was bent in collision									
	06/01/00	220	3.3	4.9	43	1.7					
	01/01/01	9.9	ND	34	76	ND					
	12/01/01	<0.50	ND	3.4	1.8	ND					
	06/01/02	1	ND	5.2	3.6	ND					
	12/01/02	1.9	ND	6.5	6	1.2					
	11/01/03	1.3	ND	1.6	1.1	ND					
	12/07/04	1.1	<0.4	5.7	2	0.43	1582.96	8.41	1.33	42	475.8
	03/22/05	1.6	<0.6	4.5	2.9	0.66	1581.92	8.69	1.98	52	479.8
	08/31/05	670	7.7	470	2700	1.3	1582.13	6.50	1.11	292	328
	02/14/06	2.9	<0.6	6.8	7.7	0.39	1581.88	7.25	1.93	158	280.7
	05/22/06	1.2	<0.4	3.1	2.2	1.7	1582.47	7.22	2.37	155	339.9
	08/08/06	37	<0.4	7.7	83	1.7	1582.44	7.48	1.89	256	431
	11/29/06	250	1.8	16	140	4	1582.45	7.00	1.51		305
	02/26/07	27	<0.4	1.2	2.4	7.1	1582.60	6.75	1.29	361	595
	05/23/07	<0.4	<0.5	1.8	0.27	0.8	1582.90	7.68	1.93		573
	08/22/07	110	1.1	3	22	11	1582.35	5.88	1.46	204	309
	11/29/07	0.4	<0.5	2.5	1.3	0.89	1582.62	6.56	1.84	304	793
Otr	07/29/08	18	<0.5	3.1	2.5	1.9	1582.53	6.91	2.22	346	506
Pilot Study	09/11/08	490	5.3	3.3	23	24	1582.23	7.15	2.15	375	293
Pilot Study	10/09/08	4.4	<0.5	4.3	1.5	5.9	1582.46	6.92	2.27	425	600
Otr	11/21/2008	1.3	<0.5	1.5	0.69	2.1	1582.25	7.23	1.62	191	638
Pilot Study	12/17/2008	3.0	<0.50	1.1	0.54	1.9	1582.16	7.29	1.28	304	597
Otr	2/11/2009	<0.4	<0.5	3.7	<0.15	<0.15	1581.86	7.48	1.61	354	255
Otr	5/21/2009	<0.4	<0.5	3	<0.15	<0.15	1582.61	7.96	2.16	237	320
Pilot Study	8/5/2009	320	3.5	2.1	25	13	1582.09	6.05	2.37	262	331
Otr	11/19/2009	1.4	<0.5	1.9	0.31	4.9	1582.38	6.28	2.18	288	614
	02/25/10	75	1.1	0.46	0.26	29	1582.27	6.78	1.51	228	558
	05/11/10	0.9	<0.25	0.86	<0.21	1.4	1582.40	7.14	1.32	319	569
	10/25/10	<0.5	<0.5	2.5	1.3	0.54	1583.29	6.42	2.12	172	457
	04/26/11	<0.5	<0.5	<0.50	<0.20	0.21	1582.69	7.68	2.36	197	599
	10/28/11	17	<0.50	<0.50	0.90	3.9	1582.88	6.93	2.13	193	601
	04/27/12	3.7	<0.25	<0.17	0.32	1.7	1582.90	6.99	2.46	189	584
	01/08/14	0.75	<0.25	<0.17	0.39	<0.10	1583.08	6.92	2.07	202	488
	04/10/14	0.79	<0.25	<0.17	<0.19	<0.10	1582.86	6.68	2.28		414
	10/28/14	0.51	<0.25	<0.17	1.4	<0.10	1583.50	6.33	0.90		348
	04/27/15	<0.12	<0.25	<0.17	<0.19	<0.10	1582.88	6.43	2.12		449
	10/20/15	97	<0.35	<0.37	8.0	2.6	1583.18	6.38	2.23	244	466
	05/25/16	<0.41	<0.35	<0.37	<0.16	<0.20	1583.38	6.78	2.16	239	352
	11/16/16	0.52	<0.35	0.91	1.1	<0.20	1583.33	7.24	1.99	219	396
	04/27/17	<0.41	<0.35	1.1	<0.16	<0.20	1583.62	7.32	2.31	257	332
	10/31/17	1.0	<0.35	<0.37	0.48	<0.20	1583.43	6.46	1.47	384	331
	04/26/18	0.49	<0.35	0.43	<0.16	<0.20	1582.93	6.86	2.34	157	340
	10/30/18	1.8	<0.23	0.33 J	0.98 J	0.69 J	1583.36	6.94	2.13	375	314
	04/08/19	2.20	<0.35	0.50 J	0.17 J	0.51 J	1582.99	7.35	3.40	252	294
	10/28/19	0.81	<0.35	1.4	0.69	<0.20	1583.44	6.96	2.45	335	251
	05/26/20	<0.41	<0.35	<0.37	<0.16	<0.20	1583.40	6.88	2.32	349	234
Top of Casing Elevation = 1591.60 ft MSL											
MW-18A (61')	05/25/16	0.91	<0.35	0.86	0.62	<0.20	1583.32	8.07	1.23	-319	321
	11/16/16	<0.41	<0.35	1.3	0.60	<0.20	1583.26	7.76	1.74	115	331
	04/27/17	<0.41	<0.35	1.1	0.84	<0.20	1583.52	8.22	2.12	229	338
	10/31/17	<0.41	<0.35	1.2	1.0	<0.20	1583.29	7.90	2.32	131	331
	04/26/18	0.60	<0.35	0.98	1.0	<0.20	1582.53	6.88	2.54	122	287
	10/30/18	<0.21	<0.23	<0.14	0.63 J	<0.18	1583.22	6.96	2.57	368	256
	04/08/19	<0.41	<0.35	0.75 J	0.85	<0.20	1582.76	7.09	2.40	224	257
	10/28/19	<0.41	<0.35	<0.37	0.80	<0.20	1583.31	6.98	2.48	306	247
	05/26/20	<0.41	<0.35	0.58 J	1.0	<0.20	1583.36	6.60	2.29	311	237

TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity
ES		70	100	5	5	0.2					
PAL		7	20	0.5	0.5	0.02					
Top of Casing Elevation = 1591.73 ft MSL											
MW-19	11/01/93	35	0.65	2.3	12	ND					
(17')	01/01/94	15	ND	18	9	ND					
	07/01/94	360	1.5	53	110	ND					
	01/01/95	ND	ND	16	9.4	0.9					
	06/01/95	ND	ND	680	630	1.7					
	01/01/96	4.1	ND	11	170	ND					
	06/06/96	64	72	230	37	ND					
	01/01/97	13	ND	39	11	ND					
	10/01/97	150	5.5	54	50	ND					
	04/01/98	120	2.8	42	38	ND					
	11/01/98	200	5	45	83	ND					
	06/01/99	390	ND	280	210	ND					
	12/01/99	450	ND	52	120	ND					
	06/01/00	580	<7.4>	140	160	ND					
	01/01/01	<0.33>	ND	1.6	<0.35>	ND					
	12/01/01	0.91	ND	8.4	1.2	ND					
	06/01/02	93	ND	67	23	ND					
	12/01/02	55	ND	35	16	ND					
	11/01/03	14	ND	3.4	11	ND					
	12/07/04	68	0.64	71	20	<0.3	1582.89	8.85	1.89	-8	262.7
	03/23/05	250	3.6	250	92	<0.24	1581.85	8.84	1.95	27	461.8
	09/01/05	320	<12	41	95	<2.4	1582.20	6.47	1.91	307	185.3
	02/15/06	220	<12	45	66	<2.4	1581.85	7.26	1.38	159	190.3
	05/23/06	270	<4.0	45	55	<1.5	1582.43	7.12	1.27	154	171.1
	08/08/06	370	<4.0	34	79	2.9	1582.47	7.25	1.79	311	215
	11/29/06	400	6.7	23	110	8.1	1582.45	6.95	1.56		226
	02/26/07	130	3.9	6.3	46	3.9	1582.77	6.77	1.84	267	288
	05/23/07	170	4.2	21	51	3.5	1583.01	7.52	1.97		267
	08/22/07	70	2.6	6.6	26	3	1582.52	6.05	2.30	311	192
	11/29/07	65	2	7.3	17	1.7	1582.69	6.36	1.91	255	263
Otr	07/29/08	56	1.8	5.6	13	1.6	1582.69	6.95	1.98	288	179
Pilot Study	09/11/08	40	<1.0	0.81	7.6	1.1	1582.40	6.93	1.85	145	366
Pilot Study	10/09/08	40	<1.0	<0.8	1.5	0.83	1582.57	6.92	2.14	112	995
Otr	11/21/2008	33	<1.0	0.81	1	1.5	1582.34	7.30	1.50	114	634
Pilot Study	12/17/2008	13	<1.0	<0.80	0.64	<0.30	1582.28	7.27	1.82	98	607
Otr	2/11/2009	23	<0.5	4.9	2.8	<0.15	1581.87	7.38	1.92	117	473
Otr	5/21/2009	28	<0.5	4.5	4.1	0.9	1582.66	8.55	1.70	226	427
Pilot Study	8/5/2009	45	0.65	0.81	1.4	3.6	1582.27	5.99	2.16	190	391
Otr	11/19/2009	35	0.69	3.1	3	8.9	1582.45	6.31	1.73	181	382
	02/25/10	32	0.68	1.3	2.3	11	1582.35	6.70	2.04	165	403
	05/11/10	51	1	4.7	4.9	14	1582.48	6.85	2.14	157	419
	10/25/10	61	0.88	0.67	2.7	19	1583.32	6.39	2.07	133	410
	04/26/11	74	0.97	5.8	24	12	1582.66	7.36	2.10	98	405
	10/28/11	110	1.2	<0.50	4.2	22	1582.92	7.24	1.54	142	451
	04/27/12	46	1.0	<0.17	1.2	110	1582.89	7.17	2.14	138	439
	01/08/14	120	1.4	<0.17	3.2	23	1583.10	6.82	2.15	138	391
	04/10/14	48	0.58	<0.17	2.0	13	1582.64	6.79	2.14		291
	10/28/14	290	3.5	<0.17	20	32	1583.51	6.14	1.16		335
	04/27/15	170	2.5	1.3	30	26	1582.89	6.69	2.25		443
	10/20/15	110	1.5	<0.37	4.6	24	1583.24	6.23	2.26	198	401
	05/25/16	10	<0.35	1.2	2.6	98	1583.40	6.51	2.28	252	282
	11/16/16	<0.42	2.7	1.2	45	31	1583.39	6.97	1.51	172	357
	04/27/17	17	<0.35	4.6	7.3	5.8	1583.62	7.20	2.32	200	289
	10/31/17	<0.42	4.5	3.6	72	53	1583.44	6.40	1.97	202	335
	04/26/18	12	<0.35	2.1	0.94	4.7	1582.76	6.83	2.25	124	277
	10/30/18	270	3.5	2.6	55	41	1583.39	6.95	2.56	261	354
	04/08/19	5.1	<0.35	2.4	<0.16	3.5	1583.00	7.11	2.21	242	258
dupl	10/28/19	57	0.67 J	1.3	15	20	1583.45	6.98	2.44	218	342
	05/26/20	190	1.8	3.8	36	26	1583.46	6.86	2.49	311	327

TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity
ES		70	100	5	5	0.2					
PAL		7	20	0.5	0.5	0.02					
		Top of Casing Elevation = 1592.04 ft MSL									
MW-19A	05/25/16	<0.41	<0.35	<0.37	<0.16	<0.20	1583.37	7.85	2.27	-221	237
	11/16/16	<0.41	<0.35	<0.37	<0.16	<0.20	1583.40	7.83	2.07	102	212
	04/27/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.60	8.36	2.01	97	206
	10/31/17	<0.41	<0.35	<0.37	<0.16	<0.20	1583.45	8.11	2.29	255	211
	04/26/18	<0.41	<0.35	<0.37	<0.16	<0.20	1582.43	6.88	2.21	86	201
	10/30/18	<0.21	<0.23	<0.14	<0.20	<0.18	1583.40	6.94	1.43	198	200
	04/08/19	<0.41	<0.35	<0.37	<0.16	<0.20	1582.70	7.02	2.65	209	193
	10/29/19	<0.41	<0.35	<0.37	<0.16	<0.20	1583.44	6.95	2.65	177	199
	05/26/20	<0.41	<0.35	<0.37	<0.16	<0.20	1583.50	6.63	1.81	204	194
		Top of Casing Elevation = 1593.78 ft MSL									
MW-20 (16.5')	07/29/08	<0.4	<0.5	<0.4	<0.15	<0.15	1584.10	7.18	1.88	296	152
	9/11/2008	<0.4	<0.5	<0.4	<0.15	<0.15	1583.77	7.27	1.47	149	137
	10/9/2008	<0.4	<0.5	1.4	<0.15	<0.15	1583.90	7.48	1.48	111	139
	11/21/2008	<0.4	<0.5	<0.4	<0.15	<0.15	1583.65	8.26	0.99	297	134
	12/17/2008	No VOC sample					1583.58	7.81	1.17	85	136
	2/11/2009	<0.4	<0.5	<0.4	<0.15	<0.15	1583.17	7.58	1.36	322	135
	5/21/2009						1583.94	7.07	1.03	351	164
	8/5/2009						1583.64	6.74	2.04	374	154
	05/11/10	<0.25	<0.25	0.56	<0.21	<0.22	1583.76	7.51	1.84	132	144
	10/25/10	<0.5	<0.5	1.8	<0.2	<0.2	1584.60	6.83	2.18	216	197
	10/28/11	<0.50	<0.50	0.78	<0.20	<0.20	1584.20	6.82	1.74	225	139
	04/27/12	<0.12	<0.25	4.6	<0.19	<0.10	1584.16	6.89	2.02	221	142
	01/08/14	<0.12	<0.25	0.58	0.28	<0.10	1584.35	6.81	2.13	229	129
	04/27/15	<0.12	<0.25	<0.17	<0.19	<0.10	1584.10	6.61	2.22	141	141
	05/25/16	<0.41	<0.35	3.2	<0.16	<0.20	1584.52	7.14	2.25	362	211
	04/27/17	<0.41	<0.35	3.6	<0.16	<0.20	1584.74	7.35	2.38	282	197
	04/26/18	<0.41	<0.35	4.6	<0.16	<0.20	1583.82	6.85	2.55	225	159
	04/08/19	<0.41	<0.35	3.6	<0.16	<0.20	1584.04	7.07	2.81	228	192
	05/26/20	<0.41	<0.35	0.62 J	<0.16	<0.20	1584.67	7.08	2.24	307	126
		Top of Casing Elevation = 1591.51 ft MSL									
MW-21 (15')	07/29/08	77	10	23	6.8	0.49	1580.70	7.18	1.88	296	152
	9/11/2008	430	3.5	35	37	3	1580.61	6.83	2.33	220	212
Pilot Study	10/9/2008	490	<10	36	42	6.2	1580.90	6.81	2.42	242	226
Qtr	11/21/2008	450	<10	32	42	<3.0	1580.80	7.58	1.56	253	208
Pilot Study	12/17/2008	500	<10	36	58	<3.0	1580.57	7.68	2.02	234	205
Qtr	2/11/2009	98	1.1	21	12	<0.15	1580.44	7.63	2.03	301	212
Qtr	5/21/2009	50	<0.5	9.3	3.4	3	1581.40	7.39	2.01	325	240
Pilot Study	8/5/2009	91	1.1	18	5	1.6	1580.99	5.84	2.92	441	267
Qtr	11/19/2009	600	12	32	15	12	1581.34	6.27	1.94	388	225
	02/25/10	480	7.4	24	7.9	20	1581.35	7.15	2.61	173	224
	05/11/10	530	5.3	18	7.1	29	1581.50	7.29	2.29	276	221
	10/25/10	9.7	<0.5	10	0.54	0.89	1582.37	6.28	1.86	317	142
	04/26/11	73	1.2	41	5.3	22	1581.77	7.22	2.17	318	163
	10/28/11	75	1.1	14	1.3	28	1582.09	6.83	2.57	312	150
	04/27/12	23	<0.25	9.9	0.53	4.3	1582.22	6.91	2.23	315	152
	01/09/14	1.3	<0.25	19	0.75	<0.10	1582.83	7.05	2.21	319	192
	04/10/14	0.89	<0.25	35	1.1	<0.10	1582.99	6.77	2.24	432	203
	10/28/14	<0.12	<0.25	3.4	<0.19	<0.10	1583.56	6.17	0.89	203	203
	04/27/15	<0.12	<0.25	22	0.87	<0.10	1582.71	6.47	2.34	220	220
	10/20/15	4.6	<0.35	13	0.80	1.2	1582.97	6.05	2.51	405	125
	05/25/16	<0.41	<0.35	6.3	<0.16	<0.20	1584.42	6.37	2.20	443	92
	11/16/16	<0.41	<0.35	10	<0.16	<0.20	1583.02	7.75	1.71	379	112
	04/27/17	<0.41	<0.35	5.5	<0.16	<0.20	1584.19	6.91	2.13	421	124
	10/31/17	0.83	<0.35	4.4	<0.16	<0.20	1583.43	6.25	2.48	478	103
	04/26/18	1.8	<0.35	88	2.3	<0.20	1582.66	7.01	2.71	289	83
	10/30/18	<0.21	<0.23	5.4	<0.20	<0.18	1583.14	7.07	2.33	424	88
	04/08/19	<0.41	<0.35	7.5	0.19 J	<0.20	1583.13	7.55	3.79	351	175
	10/28/19	<0.41	<0.35	2.3	<0.16	<0.20	1583.48	7.23	2.47	332	91
	05/26/20	1.6	<0.35	10	0.19 J	<0.20	1583.24	7.10	2.53	375	97

TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity
ES		70	100	5	5	0.2					
PAL		7	20	0.5	0.5	0.02					
Top of Casing Elevation = 1592.66 ft MSL											
MW-21A (42')	07/29/08	4.6	<0.5	0.91	0.23	0.34	1582.73	7.89	1.59	25	209
	9/11/2008	8.5	<0.5	1.2	1.4	0.97	1579.13	7.92	1.12	243	208
Pilot Study	10/9/2008	14	<0.5	2	3.3	1.4	1579.24	7.98	2.04	226	215
Otr	11/21/2008	4.6	<0.5	1.7	2.5	<0.15	1576.29	8.51	1.35	303	222
Pilot Study	12/17/2008	2.9	<0.50	1.5	2.1	<0.15	1579.44	8.49	1.30	2.08	213
Otr	2/11/2009	16	<0.50	1.4	1.9	1.3	1579.08	7.67	2.13	213	220
Otr	5/21/2009	9.2	<0.5	0.99	1.1	1	1579.75	7.65	2.02	188	217
Pilot Study	8/5/2009	31	0.6	1.1	1.8	5.5	1579.49	7.52	1.41	263	219
Otr	11/19/2009	22	<0.5	1.7	5	3.1	1578.31	7.92	1.97	387	217
	02/25/10	5.2	<0.5	0.85	1.3	0.49	1578.81	7.93	2.35	137	215
	05/11/10	5.9	<0.25	0.7	0.91	0.74	1580.05	8.67	2.24	147	220
	10/25/10	14	<0.5	0.53	0.71	3.4	1581.00	7.77	2.02	249	2.38
	04/26/11	8.0	<0.50	2.9	3.3	1.4	1582.24	8.07	1.93	143	285
	10/28/11	5.8	<0.50	1.9	2.3	0.97	1579.50	6.80	1.81	198	283
	04/27/12	12	<0.25	2.3	2.8	1.8	1577.42	6.89	1.89	202	282
	01/09/14	3.4	<0.25	0.55	0.92	<0.10	1581.43	7.05	2.21	319	192
	04/10/14	2.3	<0.25	1.1	1.2	<0.10	1580.98	6.75	1.91		392
	10/28/14	5.8	<0.25	0.55	0.91	<0.10	1582.15	7.22	0.81		314
	04/27/15	8.0	<0.25	<0.17	1.7	1.5	1581.12	6.83	2.47		369
	10/20/15	18	<0.35	4.5	4.8	3.1	1581.93	7.29	1.17	331	348
	05/25/16	46	<0.35	2.2	6.9	4.0	1581.70	7.48	1.25	338	359
	11/16/16	31	0.52	1.4	2.8	3.2	1581.47	7.48	1.85	309	356
	04/27/17	37	<0.35	2.1	4.2	4.4	1579.55	8.18	2.36	327	353
	10/31/17	51	0.83	2.0	4.4	4.7	1580.34	7.57	1.94	405	381
	04/26/18	53	0.64	2.8	7.0	5.6	1581.19	6.94	2.30	271	365
	10/30/18	30	<0.23	0.58 J	3.5	1.9	1578.47	7.02	1.77	409	357
	04/08/19	32	0.54 J	0.82 J	2.3	3.0	1580.50	7.14	3.02	334	330
	10/28/19	42	<0.35	<0.37	3.1	5.2	1581.47	7.07	2.43	344	358
	05/26/20	39	0.67 J	1.1	2.6	9.7	1582.17	6.80	1.79	360	353
GW	Mar-96			3.6	5.2						
Outfall (Discharge)	Jun-96			4.6	4.9						
	Sep-96			5.6	nd						
	Dec-96			2.5	3.9						
	Mar-97			2.4	nd						
	Jul-97			2.6	4.3						
	Sep-97			3.6	nd						
	Dec-97			2.1	4.3						
	Mar-98			1.8	nd						
	Jun-98			1.6	2.7						
	Sep-98			1.2	nd						
	Dec-98			1.6	2.7						
	Mar-99			1.5	nd						
	Jun-99			1.3	2.4						
	Sep-99			1.4	nd						
	Dec-99			1	2.7						
	Apr-00			0.96	nd						
	Jun-00			1.1	3						
	Sep-00			2.5	nd						
	Dec-00			1.8	3.8						
	Mar-01			1.6	nd						
	Jun-01			3	4.4						
	Oct-01			1.2	nd						
	Dec-01			1.1	2.5						
	Mar-02			1.1	2.5						
	Jun-02			1	2.8						
	Sep-02			0.6	1.3						
	Dec-04			0.34	1.2						
	10/25/10	2.7	<0.5	1.1	1.4	<0.2					
	04/26/11	2.9	<0.50	1.8	2.0	<0.20		8.29	5.53	284	316
	10/27/11	1.8	<0.50	0.95	1.1	<0.20		6.97	1.67	243	337
	04/27/12	2.0	<0.25	0.61	0.69	<0.10		7.21	4.97	213	329
	01/09/14	1.2	<0.25	0.53	0.93	<0.10		7.07	3.27	251	334
	04/10/14	1.1	<0.25	<0.17	0.65	<0.10		6.70	4.77		258
	10/28/14	1.2	<0.25	0.47	0.75	<0.10		7.12	1.47		220
	04/27/15	1.7	<0.25	<0.17	0.96	<0.10		6.61	3.55		247
	10/20/15	2.0	<0.35	<0.37	1.0	<0.20		7.77	4.81	253	355
	05/25/16	<0.41	<0.35	<0.37	<0.16	<0.20		8.15	4.09	388	380
	11/16/16	2.1	<0.35	0.60	0.92	<0.20		7.45	4.61	117	365
	04/27/17	0.87	<0.35	<0.37	0.50	<0.20		8.31	4.06	117	288
	10/31/17	1.8	<0.35	<0.37	1.1	<0.20		7.86	4.17	141	366
	04/26/18	1.7	<0.35	<0.37	1.0	<0.20		6.78	4.63	91	364
	10/30/18	1.4	<0.23	0.34 J	0.82 J	<0.18		6.97	4.15	280	365
	04/08/19	1.6	<0.35	<0.37	0.77	<0.20		7.02	3.07	190	358
	10/28/19	<0.41	<0.35	<0.37	0.75	<0.20		6.93	2.74	228	369
	05/26/20	2.1	<0.35	<0.37	1.0	<0.20		6.95	3.61	276	370

TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity
ES		70	100	5	5	0.2					
PAL		7	20	0.5	0.5	0.02					
LSD	07/09/84		<1.0	<1.0	<1.0						
Well-3	08/07/84			62	4						
	08/21/84			12	<1.0						
	05/27/86		<1.0	<1.0	<1.0	<7.0					
	06/09/86		<1.0	<1.0	<1.0	<7.0					
	10/19/87		<0.1	<0.1	<0.1						
	06/25/90	<0.5	<0.5	<0.2	<0.2	<0.2					
	02/27/91	<0.5	<0.5	<0.5	<0.2	<0.2					
	06/28/91	<0.5	<0.5	<0.5	<0.2	<0.2					
	03/22/92	<0.5	<0.5	<0.5	<0.2	<0.2					
	06/10/92	<0.5	<0.5	<0.5	<0.2	<0.2					
	09/30/02	<0.5	<0.5	<0.5	<0.2	<0.2					
	11/10/93	<0.1	<0.1	<0.5	<0.5	<0.2					
	07/06/94	<0.1	<0.1	<0.2	<0.1	<0.2					
	08/15/95	0.5	<0.1	2.8	2.1	<0.2					
	03/25/96	0.87	<0.1	3.4	3.6	<0.2					
	06/01/96	0.67	ND	3.1	3.4	ND					
	06/07/96	0.67	<0.1	3.1	3.4	<0.2					
	08/27/96	0.5	<0.1	<0.2	2.2	<0.2					
	12/16/96	0.24	<0.1	0.9	1	<0.2					
	01/01/97	ND	ND	1.5	1.4	ND					
	03/03/97	0.16	<0.1	0.52	0.46	<0.2					
	06/02/97	0.11	<0.1	0.33	0.34	<0.2					
	09/12/97	<0.1	<0.1	0.17	0.16	<0.2					
	10/01/97	ND	ND	1.5	0.32	ND					
	12/11/97	<0.1	<0.1	0.13	0.16	<0.2					
	03/03/98	<0.1	<0.1	<0.2	<0.1	<0.2					
	06/25/98	<0.1	<0.1	<0.2	<0.1	<0.2					
	09/01/98	ND	ND	ND	ND	ND					
	09/22/98	<0.1	<0.1	<0.2	<0.1	<0.2					
	11/01/98	ND	ND	0.17	0.19	ND					
	12/14/98	<0.1	<0.1	<0.2	<0.1	<0.2					
	03/16/99	<0.1	<0.1	<0.2	<0.1	<0.2					
	06/01/99	ND	ND	ND	ND	ND					
	12/01/99	ND	ND	<0.26>	ND	ND					
	01/25/00	<0.1	<0.1	<0.2	<0.1	<0.2					
	06/01/00	ND	ND	ND	<0.17>	ND					
	01/01/01	ND	<0.41>	<0.43>	ND	ND					
	01/24/01	<0.1	<0.1	0.35	0.32	<0.2					
	12/01/01	ND	ND	<0.23>	<0.31>	ND					
	02/05/02	<0.1	<0.1	<0.2	0.18	<0.2					
	06/02/02	ND	ND	<0.23>	<0.38>	ND					
	12/02/02	<0.44>	ND	0.56	1.2	ND					
	03/11/03	<0.1	<0.1	<0.2	0.77	<0.2					
	07/30/03	0.75	<0.1	0.66	1.7	<0.2					
	11/01/03	[0.59]	ND	0.59	1.4	ND					
	11/26/03	0.55	<0.37	0.63	1.4	<0.12					
	03/01/04	0.78	<0.1	0.71	1.7	<0.2					
	04/26/04	0.73	<0.1	0.59	1.4	<0.2					
	08/24/04	0.47	<0.1	0.44	1	<0.2					
	11/03/04	0.95	<0.1	0.93	2	<0.2					
	12/06/04	0.61	<0.4	0.64	1	<0.3					
	02/14/05	1.7	<0.17	1.8	3.6	<0.17					
	03/09/05	1.3	<0.17	1.4	2.7	<0.15					
	03/23/05	1.2	<0.6	0.93	2.2	<0.12		8.52	3.41	291	308.3
	04/25/05	0.87	<0.17	0.85	1.7	<0.17					
	08/09/05	[0.57]	<0.58	[0.46]	1	<0.54					
	09/01/05	<0.60	<0.60	0.48	1.1	<0.12		7.35	2.22	234	278.7
	02/15/05	<0.6	<0.6	<0.4	<0.15	<0.12		7.77	2.49	156	284.8
	03/06/06	1.8	<0.17	1.1	2	0.17					
	04/17/06	0.64	<0.17	0.47	0.88	<0.17					
	05/23/06	0.51	<0.4	0.43	0.58	<0.15		8.06	2.29	158	296.1
	08/08/06	0.9	<0.40	1	1.4	<0.15		8.81	2.72	176	359
	11/29/06	<0.4	<0.4	<0.29	<0.15	<0.15		7.36	1.71		
	02/21/07	<0.26	<0.23	<0.19	<0.22	<0.12					
	02/26/07	<0.4	<0.4	<0.29	<0.15	<0.15		7.95	2.96	293	224
	05/22/07	<0.4	<0.5	<0.4	<0.15	<0.15		7.46	1.31		237
	08/22/07	<0.4	<0.5	<0.4	<0.15	<0.15		7.23	3.90	211	361
	11/29/07	<0.4	<0.5	<0.4	<0.15	<0.15		7.73	2.22	319	386
	07/29/08	<0.4	<0.5	<0.4	<0.15	<0.15		7.83	3.08	209	397
	11/20/08	<0.4	<0.5	<0.4	<0.15	<0.15		8.54	1.74	334	413
	02/11/09	<0.4	<0.5	<0.4	<0.15	<0.15					
	05/21/09	<0.4	<0.5	<0.4	<0.15	<0.15		6.64	2.79	353	382
	08/05/09	<0.4	<0.5	<0.4	<0.15	<0.15		7.27	2.56	229	384
	11/19/09	<0.4	<0.5	<0.4	<0.15	<0.15		7.52	2.52	209	389
	02/25/10	<0.4	<0.5	<0.4	<0.15	<0.15		7.55	2.19	169	406
	05/12/10	<0.25	<0.25	<0.3	<0.21	<0.22		805.00	1.47	244	386
	10/25/10	<0.5	<0.5	<0.5	<0.2	<0.2		7.75	2.17	142	425

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TABLE 2
Groundwater Sample Analytical Results
Minocqua Cleaners, Minocqua, WI

Analyte	Sampling Date	Cis-1,2-Dichloroethylene	Trans-1,2-Dichloroethylene	Tetrachloro-ethene	Trichloro-ethene	Vinyl Chloride	GW Elevation	pH	DO	Redox	Conductivity
ES		70	100	5	5	0.2					
PAL		7	20	0.5	0.5	0.02					
Well-3 (cont.)											
	04/26/11	<0.5	<0.5	<0.5	<0.20	<0.20		8.17	2.95	117	379
	10/28/11	<0.50	<0.50	<0.50	<0.20	<0.20		6.89	2.14	183	447
	04/27/12	<0.12	<0.25	<0.17	<0.19	<0.10		7.18	2.42	158	429
	01/09/14	<0.12	<0.25	<0.17	<0.19	<0.10		7.16	2.41	178	396
	04/10/14	<0.12	<0.25	<0.17	<0.19	<0.10		7.06	2.46		389
	10/28/14	<0.12	<0.25	<0.17	<0.19	<0.10		7.47	1.52		321
	04/28/15	<0.12	<0.25	<0.17	<0.19	<0.10		6.84	2.46		359
	10/20/15	<0.41	<0.35	<0.37	<0.16	<0.20		7.80	2.07	165	424
	05/25/16	<0.41	<0.35	<0.37	<0.16	<0.20		7.97	2.32	280	432
	11/17/16	<0.41	<0.35	<0.37	<0.16	<0.20		7.83	2.53	310	427
	04/28/17	<0.41	<0.35	<0.37	<0.16	<0.20		8.24	4.41	388	423
	10/31/17	<0.41	<0.35	<0.37	<0.16	<0.20		8.04	2.32	366	438
	04/27/18	<0.41	<0.35	<0.37	<0.16	<0.20		6.95	3.36	281	440
	10/30/18	<0.21	<0.23	<0.14	<0.20	<0.18		6.94	4.43	423	446
	04/09/19	<0.41	<0.35	<0.37	<0.16	<0.20		6.86	4.68	406	465
	10/28/19	<0.41	<0.35	<0.37	<0.16	<0.20		7.08	2.71	317	450
	05/26/20	Not sampled, well abandoned in January 2020									

Notes: Concentrations are in ug/L
MSL - mean sea level