

Appendix N

Groundwater Contaminant Concentration Stability Calculations

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Well ID	Sample Date	TCE Conc (µg/m3)	Mean of last 3 events (µg/m3)	Abs Dev from Mean (µg/m3)	% Dev from Mean	Total VCH Conc (µg/m3)	Mean of last 3 events (µg/m3)	Abs Dev from Mean (µg/m3)	% Dev from Mean	1,1-DCE Conc (µg/m3)	Mean of last 3 events (µg/m3)	Abs Dev from Mean (µg/m3)	% Dev from Mean
BSE_DW01	Jun-16	<0.05				<LOR				<0.1			
	Sep-16	<0.05				<LOR				<0.1			
	Jan-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
BSE_DW02	Jun-16	16.2				20.8				2.5			
	Sep-16	9.8				12.1				1.3			
	Jan-18	23.0	16	7	41%	29.0	21	8	41%	2	2	0	3%
	Apr-18	29.0	20	9	49%	38.0	25	13	52%	3	2	1	36%
BSE_DW03	Jun-16	67.7				76.2				1.1			
	Sep-16	87.7				107.1				3.6			
	Jan-18	131.0	95	36	37%	156.0	113	43	38%	1	2	-1	-47%
	Apr-18	93.0	95	-2	-2%	117.0	114	3	3%	<1	2	N/A	N/A
BSE_DW04	Jun-16	0.24				1.1				0.7			
	Sep-16	0.19				1.2				0.8			
	Jan-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
BSE_DW05	Jun-16	0.16				0.36				0.2			
	Sep-16	0.16				0.26				0.1			
	Jan-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
BSE_DW06	Jun-16	<0.05				<LOR				<0.1			
	Sep-16	<0.05				<LOR				<0.1			
	Jan-18	<1	<LOR	<LOR	<LOR	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
BSE_DW07	Jun-16	0.34				0.34				<0.1			
	Sep-16	0.16				0.16				<0.1			
	Jan-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
BSE_DW08	Jun-16	53.7				63.1				2.7			
	Sep-16	56				67.0				3.5			
	Jan-18	47	52	-5	-10%	55.0	62	-7	-11%	2	3	-1	-27%
BSE_DW09	Jun-16	0.16				0.46				0.3			
	Sep-16	0.16				0.46				0.3			
	Jan-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
BSE_DW10	Sep-16	<0.05	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<0.1	N/A	N/A	N/A
	Jan-18	lost				lost				lost			
BSE_DW11	Sep-16	0.2				0.2				<0.1			
	Jan-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
	Apr-18	<1	N/A	N/A	N/A	<1	N/A	N/A	N/A	<1	N/A	N/A	N/A
BSE_DW12	Sep-16	36.4				39.7				2.2			
	Jan-18	30	N/A	N/A	N/A	33	N/A	N/A	N/A	1	N/A	N/A	N/A
	Apr-18	38	35	3	9%	42	38	4	10%	2	2	0	15%
BSE_DW13	Sep-16	<0.05				<LOR				<0.1			
	Jan-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
	Apr-18	<1	N/A	N/A	N/A	<1	N/A	N/A	N/A	<1	N/A	N/A	N/A
BSE_DW14	Sep-16	<0.05				<LOR				<0.1			
	Jan-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A

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	Apr-18	<1	N/A	N/A	N/A	<1	N/A	N/A	N/A	<1	N/A	N/A	N/A
BSE_DW15	Sep-16	0.64				0.64				<0.1			
	Jan-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
	Apr-18	1	N/A	N/A	N/A	1	N/A	N/A	N/A	<1	N/A	N/A	N/A
BSE_DW16	Sep-16	3.33	N/A	N/A	N/A	3.33	N/A	N/A	N/A	<0.1	N/A	N/A	N/A
	Jan-18	buried				buried				buried			
	Apr-18	2	N/A	N/A	N/A	2	N/A	N/A	N/A	<1	N/A	N/A	N/A
BSE_DW17	Sep-16	<0.05				<LOR				<0.1			
	Jan-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
	Apr-18	<1	N/A	N/A	N/A	<1	N/A	N/A	N/A	<1	N/A	N/A	N/A
BSE_DW18	Sep-16	<0.05				<LOR				<0.1			
	Jan-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
	Apr-18	<1	N/A	N/A	N/A	<1	N/A	N/A	N/A	<1	N/A	N/A	N/A
GGW1	Jul-12	337				392				<5			
	Aug-15	34.1				43.3				<0.1			
	Feb-18	10	127	-117	-92%	13.2	150	-136	-91%	<1	N/A	N/A	N/A
	Apr-18	8	97	-89	-92%	8	114	-106	-93%	<1	N/A	N/A	N/A
MW_EPA1	Oct-14	1180				1373				N/S			
	Aug-15	952				1173				3.9			
	Sep-16	1070				1261				3.6			
	Feb-18	1140	1054	86	8%	1292	1242	50	4%	4	4	0	4%
MW_EPA2	Oct-14	993				1140				N/S			
	Aug-15	569				744				1.2			
	Feb-18	1340	967	373	39%	1584	1156	428	37%	3	N/A	N/A	N/A
	Apr-18	1480	1096	385	35%	1727	1299	428	33%	<5	N/A	N/A	N/A
MW_EPA10A	Oct-14	61				69				N/S			
	Aug-15	89.4				106				0.2			
	Sep-16	111				127				0.2			
	Jan-18	160	120	40	33%	176	136	40	29%	<1	N/A	N/A	N/A
	Apr-18	175	134	41	31%	193	150	43	28%	<1	N/A	N/A	N/A
MW_EPA11	Oct-14	1170				1347				N/S			
	Aug-15	1130				1441				3.5			
	Sep-16	2470				2815				4.1			
	Feb-18	2500	2033	467	23%	2675	2310	365	16%	2	3	-1	-38%
	Apr-18	1290	1848	-558	-30%	1500	2108	-608	-29%	3	3	0	-5%
MW_EPA12	Oct-14	2630				2725				N/S			
	Aug-15	6690				6982				9.8			
	Sep-16	4680				4844				9.7			
	Feb-18	7080	6150	930	15%	7256	6361	895	14%	8	9	-1	-13%
	Apr-18	5570	6005	-435	-7%	5771	6213	-442	-7%	10	9	1	7%
MW_EPA13	Oct-14	396				428				N/S			
	Aug-15	383				427				1.9			
	Sep-16	511				554				1.7			
	Feb-18	711	535	176	33%	760	580	180	31%	2	2	0	7%
	Apr-18	687	573	114	20%	750	623	127	20%	3	2	1	40%
MW_EPA14	Oct-14	<5				<LOR				N/S			

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	Aug-15	0.72				1.02				<0.1			
	Sep-16	0.61				0.61				<0.1			
	Feb-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
MW_EPA15	Oct-14	65				76				N/S			
	Aug-15	117				136				<0.1			
	Sep-16	72.3				82.5				<0.1			
	Feb-18	92	94	-2	-2%	110	110	0	0%	<1	N/A	N/A	N/A
MW_EPA16	Oct-14	117				117				N/S			
	Aug-15	91.6				91.7				<0.1			
	Sep-16	125				125				<0.1			
	Feb-18	93	103	-10	-10%	93	103	-10	-10%	<1	N/A	N/A	N/A
MW_EPA17	Oct-14	<5				<LOR				N/S			
	Aug-15	0.91				0.91				<0.1			
	Jun-16	1.81				1.81				<0.1			
	Sep-16	1.02				1.02				<0.1			
	Feb-18	N/S	N/A	N/A	N/A	N/S	N/A	N/A	N/A	N/S	N/A	N/A	N/A
MW_EPA18	Oct-14	<5				<LOR				N/S			
	Aug-15	<0.05				<LOR				<0.1			
	Jun-16	<0.05				<LOR				<0.1			
	Jan-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
MW_EPA19	Oct-14	<5				<LOR				N/S			
	Aug-15	2.99				2.99				<0.1			
	Sep-16	3.86				4.06				<0.1			
	Feb-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
MW_EPA20	Oct-14	63				63				N/S			
	Aug-15	39.7				40.5				<0.1			
	Sep-16	78.3				79.1				<0.1			
	Jan-18	72	63	9	14%	72	64	8	13%	<1	N/A	N/A	N/A
MW_EPA21	Oct-14	145				173				N/S			
	Aug-15	163				197				0.1			
	Jun-16	165				197				<0.1			
	Sep-16	232				271				0.1			
	Jan-18	134	177	-43	-24%	158	209	-51	-24%	<1	N/A	N/A	N/A
MW_EPA22	Nov-14	193				230				N/S			
	Aug-15	325				413				0.3			
	Jun-16	297				369				0.2			
	Sep-16	324				389				0.3			
	Jan-18	152	258	-106	-41%	180	313	-133	-42%	<1	N/A	N/A	N/A
MW_EPA23	Oct-14	<5				<LOR				N/S			
	Aug-15	4.71				6.11				0.8			
	Jun-16	4.62				5.62				0.6			
	Sep-16	3.45				4.15				0.4			
	Jan-18	4	4	0	-1%	4	5	-1	-13%	<1	N/A	N/A	N/A
MW_EPA24	Oct-14	<5				<LOR				N/S			
	Aug-15	<0.05				<LOR				<0.1			
	Jun-16	<0.05				<LOR				<0.1			
	Sep-16	<0.05				<LOR				<0.1			
	Jan-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A

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MW_EPA26	Oct-14	8				8				N/S			
	Aug-15	7.89				8.49				<0.1			
	Jun-16	2.8				2.9				<0.1			
	Sep-16	3.29				3.49				<0.1			
	Jan-18	6	4	2	49%	6	4	2	45%	<1	N/A	N/A	N/A
MW_EPA29	Oct-14	72				72				N/S			
	Aug-15	58.8				67.8				2.6			
	Sep-16	84.4				91.8				2.7			
	Feb-18	154	99	55	55%	171	110	61	55%	7	4	3	71%
	Apr-18	dry				dry				dry			
MW_EPA30	Oct-14	15				15				N/S			
	Aug-15	18.3				20.6				<0.1			
	Sep-16	16.8				18.1				<0.1			
	Jan-18	18	18	0	2%	18	19	-1	-5%	<1	N/A	N/A	N/A
MW_EPA31	Oct-14	17				17				N/S			
	Aug-15	12				16.8				<0.1			
	Sep-16	16.2				20.9				<0.1			
	Jan-18	7	12	-5	-40%	9	16	-7	-42%	<1	N/A	N/A	N/A
MW_EPA32	Oct-14	58				65				N/S			
	Aug-15	29.3				84.5				51.3			
	Sep-16	39.7				80.5				37.2			
	Jan-18	26	32	-6	-18%	64	76	-12	-16%	35	41	-6	-15%
MWS14_13	Jul-09	<5				<LOR				<5			
	Jan-10	<5				<LOR				<5			
	Oct-14	<5				<LOR				N/S			
	Aug-15	0.31				0.31				<0.1			
	Feb-18	<1	N/A	N/A	N/A	<LOR	N/A	N/A	N/A	<1	N/A	N/A	N/A
W5	Jul-10	<5				<LOR				<5			
	Oct-11	<5				<LOR				<5			
	Jan-13	<5				<LOR				<5			
	Jul-14	2				2				<1			
	Oct-14	<5				<LOR				N/S			
	Aug-15	0.75				0.75				<0.1			
	Feb-18	4	N/A	N/A	N/A	4	N/A	N/A	N/A	<1	N/A	N/A	N/A