

TABLE 1A.1  
1,4-DIOXANE CONCENTRATION DATA – SOURCE AREA GROUNDWATER MONITORING LOCATIONS

Dartmouth College, Rennie Farm Site  
Hanover, New Hampshire  
DES Site #201111109, DES Project #27737

Revised Through 7/30/2019

Date Sampled	GZ-1/R	GZ-2	GZ-3	GZ-4	GZ-12L	GZ-13L	GZ-14U	GZ-14L	GZ-18U	GZ-18L	GZ-19U	GZ-19L	GZ-20U	GZ-20L	GZ-22U	GZ-23U	GZ-43U
11/20/2009	-	-	-	-													
10/12/2010	-	-	-	-													
5/19/2011	-	-	-	-													
10/27/2011	-	-	-	-													
11/29/2011	<50	<50	<50	<50													
12/5/2011	-	-	-	-													
12/12/2011	-	-	-	-													
12/19/2011	-	-	-	-													
4/19/2012	-	150	<50	<50													
5/23/2012	-	190	<50	<50													
7/25/2012	-	250/370*	<50/30*	-													
11/30/2012	-	160/220*	<50/32*	-													
3/13/2013	-	170/220*	<50/0.25*	<50/1.4*													
6/20/2013	-	90/71*	<50/3.9*	<50/0.59*													
7/31/2013	-	120/150*	<50/4.2*	<50/0.37*													
9/25/2013	-	140/120*	<50/25*	<50/0.25*													
12/19/2013	-	90/94*	<50/59*	<50/0.25*													
4/17/2014	-	<50/9.6*	<50/19*	<50/0.25*													
6/12/2014	-	<50/91*	<50/2.7*	<50/0.25*													
8/22/2014	dry	160	21	dry													
9/5/2014	-	-	-	-													
7/8/2015	<0.25	47	2.7	<0.25													
7/22/2015	-	-	-	-													
9/15/2015	-	-	-	-													
10/1/2015	-	-	-	-													
11/10/2015	-	-	52	-													
12/9/2015	-	37/40	38	-													
1/6/2016	-	15	17	-													
2/11/2016	-	27	8.5	-	2.4	0.65	550	27									
2/19/2016	-	-	-	-	-	-	-	-									
3/8-9/2016	-	13	4.4	-	1.5	0.45	600	13									
4/11/2016	-	21	4.3	-	0.96	0.39	560	27									
4/21/2016	-	-	-	-	-	-	-	-									
5/11-13/2016	-	51	2.1	-	-	-	500	49									
6/23-24/2016	-	90	4.8	-	-	-	dry	170	89	67	51	19	dry	3.2	dry	dry	
7/18-19/2016	-	98	dry	-	dry	dry	dry	dry	dry	70	dry	68	dry	6.8	dry	dry	
8/18/2016	-	dry	dry	-	dry	dry	dry	dry	dry	dry	dry	dry	dry	13	dry	dry	
9/15-20/2016	-	-	dry	dry	dry	dry	dry	dry	dry	dry	dry	-	dry	16	-	dry	
10/27/2016	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	-	dry	20	-	dry	
11/29/2016	-	dry	dry	-	-	-	-	250	-	190	-	73	-	-	-	-	
12/2-8/2016	-	75	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	
12/28-29/2016	-	74	15	dry	dry	1.8	34	120	dry	88	dry	53	dry	43	dry	<0.25	
1/18/2017	-	-	-	-	-	-	-	-	97	-	dry	-	dry	-	-	dry	dry
1/24/2017	-	37	37	-	-	-	-	81	-	-	-	-	-	10	-	-	dry
2/21-24/2017	-	50	64	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8
3/27-29/2017	-	4.0	33	-	-	-	-	39	-	-	-	-	37	2.7	-	-	-
4/24/2017	-	9.6	20	-	-	-	140	23	-	-	-	-	-	-	-	-	12
5/17/2017	<0.25	24	12	-	-	-	-	58	-	30	dry	-	-	-	-	-	-
6/19/2017	dry	15	15	dry	dry	-	dry	180	dry	15	dry	42	dry	-	-	-	-
7/27/2017	dry	dry	dry	dry	dry	-	dry	dry	dry	5.1	dry	dry	dry	0.85	-	dry	-
8/25/2017	-	dry	dry	dry	dry	dry	-	-	dry	dry	dry	dry	dry	4.2	-	dry	-
9/28/2017	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	4.5	dry	dry	dry
12/11-22/2017	-	dry	-	-	-	-	dry	dry	-	-	-	-	-	-	-	-	-
3/22/2018	-	dry	48	-	-	-	dry	36	dry	14	dry	dry	dry	1.4	Could not locate	dry	-
6/22/2018	-	8.9	-	-	-	-	dry	dry	-	-	-	-	-	-	-	-	-
9/10/2018	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	5.8	Could not locate	dry	dry
12/14-20/2018	-	2.5	-	-	-	-	dry	120	-	-	-	-	-	-	-	-	-
3/19-22/2019	-	-	19	-	-	-	-	150	-	20	-	-	<0.2	0.97	Could not locate	-	-
6/21/2019	-	16	-	-	-	-	dry	110	-	-	-	-	-	-	-	-	-

- Notes:  
 1. Data indicate concentrations of 1,4-dioxane in micrograms per liter.  
 2. "<" indicates that 1,4-dioxane was not detected above the referenced reporting limit.  
 3. "\*" indicates results of labeled and blind duplicate sample, respectively.  
 4. "-" indicates sampling location not included in respective sampling round.

- Notes:  
 5. "dry" indicates no water in monitoring well at the time of the respective sampling round.  
 6. "Value/Value\*" indicates analysis for 1,4-dioxane performed using EPA Method 8260B and 8260B SIM, respectively.  
 7. Shaded cells indicate well location was not installed at the time of the referenced sampling round.

TABLE 1A.2  
1,4-DIOXANE CONCENTRATION DATA – SITE DOWN / SIDEGRADIENT MONITORING LOCATIONS

Dartmouth College, Rennie Farm Site  
Hanover, New Hampshire  
DES Site #201111109, DES Project #27737

Revised Through 7/30/2019

Date Sampled	GZ-5U	GZ-5L	GZ-6	GZ-7U	GZ-7L	GZ-8U	GZ-8L	GZ-9U	GZ-9L	GZ-9D	GZ-10U	GZ-10L	GZ-11U	GZ-11L	GZ-15L	GZ-16D	GZ-17L	GZ-24U	GZ-24L	GZ-24D	GZ-29L	GZ-30U	GZ-30L	GZ-31L	AS-W5W	Dug Well		
11/20/2009																												
10/12/2010																												
5/19/2011																												
10/27/2011																												
11/29/2011																												
12/5/2011																												
12/12/2011																												
12/19/2011																												
4/19/2012																												
5/23/2012																												
7/25/2012																												
11/30/2012																												
3/13/2013																												
6/20/2013																												
7/31/2013																												
9/25/2013																												
12/19/2013																												
4/17/2014																											<50/1.8*	
6/12/2014																											<50/1.5*	
8/22/2014	12/11	9.1	24	dry	2.1																						<50/1.2*	
9/5/2014	13	8.8	dry	dry	3.1																						2.0	
7/8/2015	8.7	4.9	17	5.9	1.1	<0.25	<0.25	<0.25	270			<0.25	0.93/1.0	<0.25	<0.25												1.1	
7/22/2015	-	-	-	-	-	<0.25	<0.25	<0.25	520			<0.25	1.5	<0.25	<0.25												-	
9/15/2015	-	-	-	-	-	-	-	-	300/380*			-	<50/1.6*	-	-													-
10/1/2015	-	-	-	-	-	-	-	-	-			-	-	-	-												2.8/3.0	
11/10/2015	-	-	-	-	-	-	-	-	350			-	1.1	-	-												-	
12/9/2015	-	-	-	-	-	-	-	-	340			-	1.3	-	-												-	
1/6/2016	-	-	-	-	-	-	-	-	300			-	1.2	-	-												1.5	
2/11/2016	-	-	-	-	-	-	-	-	290			-	1.2	-	-												1.6	
2/19/2016	-	-	-	-	-	-	-	-	75			-	-	-	-												-	
3/8-9/2016	-	-	-	-	-	-	-	-	160			83	-	0.90	-	-											1.1	
4/11/2016	-	-	-	-	-	<0.25	<0.25	<0.25	77			94	<0.25	0.95	<0.25	<0.25											0.93	
4/21/2016	-	-	-	-	-	-	-	-	-			-	-	-	-												-	
5/11-13/2016	-	-	11	-	-	-	-	-	160			-	0.57	-	-												0.95	
6/23-24/2016	-	-	-	-	-	-	-	-	210			180	0.97	-	-												1.7	
7/18-19/2016	-	-	-	-	-	-	-	-	180			190	1.4	-	-												1.6	
8/18/2016	dry	6.9	dry	dry	1.4	-	-	-	190			210	2.2	-	-												2.3	
9/15-20/2016	dry	12	dry	-	-	-	-	-	180			190	2.2	-	-												3.3	
10/27/2016	dry	32	dry	dry	1.1	-	-	dry	120			160	dry	-	-												-	
11/11/2016	-	-	-	-	-	-	-	-	-			-	-	-	-												-	
11/22-29/2016	-	-	-	-	-	-	-	-	-			-	-	-	-												-	
12/2-8/2016	dry	13	0.50	dry	0.43	dry	-	dry	160			120	<0.25	0.67	<0.25	<0.25											3.6	
12/28-29/2016	dry	7.8	dry	dry	0.39	dry	-	<0.25	110			110	1.6	-	-												1.6	
1/10-18/2017	-	-	-	-	-	-	-	-	-			-	-	-	-												-	
1/24-25/2017	6.2	6.8	2.8	-	2.9	-	-	-	88			86	2.1	-	-												2.8	
2/21-24/2017	-	9.3	-	-	1.1	-	-	-	76			230	1.8	-	<0.25	-											3.9	
3/27-29/2017	3.7	11	-	-	-	-	-	-	120			200	1.2	-	-												1.6	
4/24/2017	5.0	11	4.3	5.4	2.3	-	-	-	64			6.7	0.65	-	-												0.97	
5/17/2017	4.1	5.1	-	-	-	-	-	-	52			46	0.81	-	-												0.64	
6/19-20/2017	2.6	2.8	2.9	3.8	0.45	-	dry	-	71			22	dry	1.1	-	-											0.35	
7/27/2017	1.4	2.9	-	0.69	-	-	-	-	93			23	dry	-	-												0.46	
8/25/2017	dry	4.8	dry	dry	1.8	-	-	-	120			22	1.4	-	-												-	
9/27-29/2017	dry	5.7	dry	dry	1.2	<0.25	<0.25	<0.25	110			22	dry	1.6	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	-	
12/11-22/2017	-	-	-	-	-	-	-	-	25			21	-	-	-												-	
3/22/2018	0.33	2.7	1.2	1.6	0.60	<0.25	dry	-	3.2			15	<0.25	<0.25	<0.25	<0.25	<0.25	1.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	-	
6/19/2018	-	-	-	-	-	-	-	-	66			13	-	-	-												-	
9/10/2018	dry	2.8	dry	dry	1.6	<0.25	dry	<0.25	130			14	dry	1.3	dry	<0.2	<0.25	<0.25	0.53	<0.25	<0.25	<0.25	<0.2	<0.25	<0.25	<0.25	-	
12/14-20/2018	-	-	-	-	-	-	-	-	110			11	-	-	-												-	
3/19-22/2019	0.44	1.6	0.30	-	0.42	<0.2	-	-	12			13	-	0.26	<0.2	<0.2	<0.2	1.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	
6/21-26/2019	-	-	-	-	-	-	-	-	19			12	-	-	-												-	

Notes:  
 1. Data indicate concentrations of 1,4-dioxane in micrograms per liter.  
 2. "<" indicates that 1,4-dioxane was not detected above the referenced reporting limit.  
 3. "f" indicates results of labeled and blind duplicate sample, respectively.  
 4. "-" indicates sampling location not included in respective sampling round.  
 5. "dry" indicates no water in monitoring well at the time of the respective sampling round.  
 6. "Value/Value\*" indicates analysis for 1,4-dioxane performed using EPA Method 8260B and 8260B SIM, respectively.  
 7. Shaded cells indicate well location was not installed at that time.  
 8. GZ-16D sampled on April 21, 2016 at 5 depths within the well; refer to GZA's report dated May 6, 2016 for additional information.

TABLE 1A.3  
1,4-DIOXANE CONCENTRATION DATA – OFF-SITE GROUNDWATER MONITORING LOCATIONS

Dartmouth College, Rennie Farm Site  
Hanover, New Hampshire  
DES Site #201111109, DES Project #27737

Revised Through 7/30/2019

G2-25U		G2-25L		G2-25D		G2-26U		G2-26L		G2-27U		G2-27L		G2-27D	
Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]
9/8/2016	<0.25	9/20/2016	<0.25	9/9/2016	0.5	9/16/2016	33	9/9/2016	26	10/6/2016	5.1	11/1/2016	5.9	11/1/2016	11
9/20/2016	<0.25	11/1/2016	<0.25	9/20/2016	0.29	11/1/2016	21	Well Decommissioned		11/1/2016	6.4	1/1/2017	4.1	1/1/2017	4.3
10/6/2017	<0.25	8/29/2017	<0.25	8/28/2017	0.62	5/18/2017	18	7/27/2017	5.5	10/12/2017	6.1	7/27/2017	6	7/27/2017	6
3/29/2018	<0.25	10/6/2017	<0.25	10/6/2017	0.57	10/12/2017	29	10/12/2017	6.9	12/1/2017	7.8	10/12/2017	5.9	10/12/2017	5.9
9/17/2018	<0.2	3/29/2018	<0.25	3/27/2018	0.77	3/28/2018	22	12/1/2017	9.7	3/28/2018	6.2	12/1/2017	5.6	3/28/2018	4.6
3/20/2019	<0.2	9/17/2018	<0.2	9/17/2018	0.69	9/17/2018	19	3/28/2018	7.4	6/21/2018	4.2	3/28/2018	4.6	6/21/2018	3.6
				3/20/2019	1.1			6/21/2018	7.1	9/17/2018	5.1	6/21/2018	3.6	9/17/2018	3.3
								9/17/2018	9.1	12/18/2018	4.1	9/17/2018	3.3	12/18/2018	2.3
								12/18/2018	6.5	3/22/2019	5.7	12/18/2018	2.3	3/22/2019	3.3
								3/22/2019	8.8	6/25/2019	5.3	3/22/2019	3.3	6/25/2019	2.5
								6/25/2019	7.2			6/25/2019	2.5		

G2-28U		G2-28L		G2-28D		G2-32U		G2-32L		G2-32D		G2-33U		G2-33L	
Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]
12/8/2016	<0.25	12/12/2016	<0.25	11/23/2016	<0.25	10/18/2016	<0.25	12/9/2016	0.47	11/3/2016	<0.25	10/6/2016	<0.25	10/17/2016	<0.25
1/18/2017	<0.25	1/18/2017	<0.25	1/18/2017	<0.25	1/11/2017	<0.25	1/11/2017	<0.25	1/11/2017	<0.25	11/1/2016	<0.25	10/28/2016	<0.25
10/11/2017	<0.25	10/11/2017	<0.25	10/11/2017	<0.25	2/8/2017	<0.25	1/31/2017	<0.25	2/8/2017	<0.25	10/6/2017	<0.25	10/6/2017	<0.25
4/2/2018	<0.25	12/22/2017	Frozen	12/14/117	<0.25	7/27/2017	<0.25	2/8/2017	<0.25	7/27/2017	<0.25	3/29/2018	<0.25	3/29/2018	<0.25
9/12/2018	<0.25	4/2/2018	<0.25	4/2/2018	<0.25	8/28/2017	<0.25	3/9/2017	<0.25	8/28/2017	<0.25	9/18/2018	<0.2	9/18/2018	<0.2
3/22/2019	<0.2	6/27/2018	<0.25	6/27/2018	<0.25	10/6/2017	<0.25	8/28/2017	<0.25	10/6/2017	<0.25	3/20/2019	<0.2	3/20/2019	<0.2
		9/12/2018	<0.25	9/12/2018	<0.25	12/21/2017	Frozen	10/6/2017	<0.25	12/21/2017	Frozen				
		12/18/2018	<0.2	12/18/2018	<0.2	6/20/2018	<0.25	12/21/2017	<0.25	6/20/2018	<0.25				
		3/22/2019	<0.2	3/22/2019	<0.2	9/12/2018	<0.25	3/28/2018	<0.25	9/12/2018	<0.25				
		6/24/2019	<0.2	6/24/2019	<0.2	6/24/2019	<0.2	6/20/2018	<0.25	12/17/2018	<0.2				
								9/12/2018	<0.25	3/20/2019	<0.2				
								12/17/2018	<0.2	6/24/2019	<0.2				
								6/24/2019	<0.2						

G2-34U		G2-34L		G2-34D		G2-35U		G2-35L		G2-35D		G2-36U	
Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]
1/13/2017	0.25	12/29/2016	<0.25	12/14/2016	<0.25	11/1/2016	<0.25	11/1/2016	<0.25	11/1/2016	<0.25	1/13/2017	<0.25
1/31/2017	<0.25	1/11/2017	<0.25	1/11/2017	<0.25	1/17/2017	<0.25	1/18/2017	<0.25	1/17/2017	<0.25	1/31/2017	<0.25
2/8/2017	2.0	2/27/2017	<0.25	2/27/2017	<0.25	8/28/2017	<0.25	8/28/2017	<0.25	3/8/2017	<0.25	2/8/2017	<0.25
4/3/2017	<0.25	7/27/2017	<0.25	7/27/2016	<0.25	10/6/2017	<0.25	10/6/2017	<0.25	8/28/2017	<0.25	2/27/2017	<0.25
5/19/2017	<0.25	8/28/2017	<0.25	10/11/2017	<0.25	12/21/2017	<0.25	12/21/2017	<0.25	10/12/2017	<0.25	10/6/2017	<0.25
7/27/2017	<0.25	10/11/2017	<0.25	12/11/2017	Frozen	3/26/2018	<0.25	3/29/2018	<0.25	12/21/2017	<0.25	12/21/2017	<0.25
8/28/2017	<0.25	12/11/2017	Frozen	3/28/2018	<0.25	6/20/2018	<0.25	6/20/2018	<0.25	3/26/2018	<0.25	3/27/2018	<0.25
10/11/2017	<0.25	3/27/2018	<0.25	6/25/2018	<0.25	9/12/2018	<0.25	9/12/2018	<0.25	6/20/2018	<0.25	6/20/2018	<0.25
12/11/2017	<0.25	6/25/2018	<0.25	9/19/2018	<0.2	12/17/2018	<0.2	3/20/2019	<0.2	9/12/2018	<0.25	9/12/2018	<0.25
3/28/2018	<0.25	9/19/2018	<0.2	6/21/2019	<0.2	3/20/2019	<0.2	6/24/2019	<0.2	12/17/2018	<0.2	6/24/2019	<0.2
6/25/2018	<0.25	12/19/2018	<0.2			6/24/2019	<0.2			3/20/2019	<0.2		
9/25/2018	<0.2	3/22/2019	<0.2							6/24/2019	<0.2		
12/19/2018	<0.2	6/21/2019	<0.2										
3/22/2019	<0.2												
6/21/2019	<0.2												

G2-37U		G2-37L		G2-37D		G2-38U		G2-38L		G2-38D	
Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]
12/14/2016	<0.25	12/14/2016	<0.25	12/12/2016	0.60	10/3/2016	<0.25	10/3/2016	<0.25	11/23/2016	1.8
1/13/2017	<0.25	1/12/2017	<0.25	1/13/2017	0.48	1/17/2017	<0.25	1/17/2017	<0.25	12/9/2016	2.6
6/20/2017	<0.25	6/20/2017	<0.25	2/28/2017	0.30	10/6/2017	<0.25	10/11/2017	0.25	10/11/2017	1.8
10/12/2017	<0.25	10/12/2017	<0.25	4/3/2017	0.48	3/27/2018	<0.25	3/27/2018	<0.25	3/27/2018	1.6
12/21/2017	<0.25	12/11/2017	<0.25	5/19/2017	0.34	9/17/2018	<0.2	9/17/2018	<0.2	9/17/2018	1.2
3/28/2018	<0.25	3/28/2018	<0.25	6/20/2017	<0.25	3/20/2019	<0.2	3/20/2019	<0.2	6/21/2018	1.1
6/24/2018	<0.25	6/26/2018	<0.25	7/26/2017	0.51					9/17/2018	1.0
9/19/2018	<0.2	9/19/2018	<0.2	8/29/2017	0.47					12/17/2018	0.68
12/19/2018	<0.2	12/19/2018	<0.2	10/12/2017	0.54					3/20/2019	1.0
3/22/2019	<0.2	3/22/2019	<0.2	12/11/2017	Frozen					6/25/2019	0.68
6/26/2019	<0.2	6/26/2019	<0.2	3/28/2018	1.2						
				6/26/2018	1.2						
				9/19/2018	1.5						
				12/19/2018	0.7						
				3/22/2019	1.0						
				6/26/2019	0.71						

G2-40U		G2-40D		G2-41U		G2-42U	
Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]	Sample Date	Result [µg/L]
10/3/2016	120	11/11/2016	9.4	10/6/2016	70	11/22/2016	370
1/17/2017	290	1/17/2017	10	1/17/2017	44	12/8/2016	360
4/28/2017	450	2/27/2017	11	10/12/2017	63	2/27/2017	540
5/18/2017	340	5/18/2017	9.4	12/22/2017	38	4/3/2017	370
7/25/2017	420	7/25/2017	13	3/29/2018	67	5/18/2017	360
8/28/2017	490	10/12/2017	11	6/21/2018	48	7/25/2017	500
10/12/2017	540	12/11/2017	Frozen	9/17/2018	40	8/28/2017	540
12/11/2017	640	6/21/2018	12	12/18/2018	44	10/12/2017	570
3/27/2018	570	9/17/2018	10	3/20/2019	34	12/22/2017	440
6/21/2018	540	12/18/2018	8.5	6/25/2019	39	3/28/2018	550
9/11/2018	660	6/25/2019	8.6			6/21/2018	540
12/18/2018	430					9/17/2018	490
3/20/2019	630					12/18/2018	380
6/25/2019	550					3/20/2019	540
						6/25/2019	410

Notes:  
 1. Data indicate concentrations of 1,4-dioxane in micrograms per liter.  
 2. "<" indicates that 1,4-dioxane was not detected above the referenced reporting limit.  
 3. "F" indicates results of labeled and blind duplicate sample, respectively.  
 4. "-" indicates sampling location not included in respective sampling round.  
 5. "dry" indicates no water in monitoring well at the time of the respective sampling round.  
 6. "Value/Value\*" indicates analysis for 1,4-dioxane performed using EPA Method 8260B and 8260B SIM, respectively.  
 7. Shaded cells indicate well location was not installed at that time.

**TABLE 1B**  
**1,4-DIOXANE CONCENTRATION DATA – SURFACE WATER MONITORING LOCATIONS**

Dartmouth College, Rennie Farm Site  
Hanover, New Hampshire  
DES Site #201111109, DES Project #27737

Revised Through 7/30/2019

Sample Collection Date	Surface Water Sampling Location												
	Stream - 1	Stream-1A	Stream-2	Stream-3	Stream-4	Stream-5	Stream-6	Stream-7	Stream-8	Stream-9	Stream-10	Stream-11	Stream-12
7/9/2015	0.98	-	-	-	-	-	-	-	-	-	-	-	-
7/22/2015	1.1	-	-	-	-	-	-	-	-	-	-	-	-
11/10/2015	1.0	-	-	-	-	-	-	-	-	-	-	-	-
12/9/2015	1.5	-	<0.25	<0.25	-	-	-	-	-	-	-	-	-
1/6-7/2016	1.5	-	<0.25	<0.25	-	-	-	-	-	-	-	-	-
2/10-11/2016	1.6	-	<0.25	<0.25	-	-	-	-	-	-	-	-	-
3/8/2016	1.1	-	<0.25	<0.25	-	-	-	-	-	-	-	-	-
4/12/2016	0.85	-	-	-	-	-	-	-	-	-	-	-	-
5/11-13/2016	1.0	-	<0.25	<0.25	-	-	-	-	-	-	-	-	-
6/23/2016	1.5	-	-	-	-	-	-	-	-	-	-	-	-
7/19/2016	1.9	-	<0.25	<0.25	-	-	-	-	-	-	-	-	-
8/19/2016	dry	-	<0.25	0.52	-	-	-	-	-	-	-	-	-
8/26/2016	dry	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	-	-	-	-	-	-
9/28-30/2016	dry	dry	<0.25	0.48	0.36	<0.25	<0.25	-	-	-	-	-	-
10/24-28/2016	dry	dry	<0.25	0.57	0.62	0.49	<0.25	<50	<0.25	<0.25	<0.25	<0.25	<0.25
12/2-5/2016	dry	<0.25	<0.25	<0.25	<0.25	<0.25	-	<0.25	-	-	-	<0.25	-
12/28-29/2016	1.3	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	-	-	-	<0.25	-
1/23-24/2017	2.6	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	-	-	-	<0.25	-
2/23-24/2017	2.9	-	<0.25	<0.25	<0.25	<0.25	<0.25	-	-	-	-	<0.25	-
3/24/2017	1.7	-	<0.25	<0.25	<0.25	<0.25	<0.25	-	-	-	-	<0.25	-
4/24/2017	0.91	-	<0.25	<0.25	<0.25	<0.25	<0.25	-	-	-	-	<0.25	-
5/18/2017	0.26	-	<0.25	<0.25	<0.25	<0.25	-	-	-	-	-	-	-
6/19/2017	<0.25	-	<0.25	<0.25	<0.25	<0.25	<0.25	-	-	-	-	<0.25	-
7/27/2017	0.27	-	<0.25	<0.25	<0.25	<0.25	<0.25	-	-	-	-	<0.25	-
8/25-29/2017	0.35	-	<0.25	0.36	0.26	<0.25	<0.25	-	-	-	-	<0.25	-
9/27/2017	0.37	-	-	-	0.34	<0.25	<0.25	-	-	-	-	<0.25	-
10/11/2017	-	-	<0.25	0.33	-	-	-	-	-	-	-	-	-
12/12-14/17	<0.25	-	<0.25	<0.25	<0.25	<0.25	<0.25	-	-	-	-	-	-
3/22/2018	<0.25	-	<0.25	<0.25	<0.25	<0.25	<0.25	-	-	-	-	<0.25	-
6/25-27/2018	<0.25	-	<0.25	<0.25	<0.25	<0.25	<0.25	-	-	-	-	-	-
9/10/2018	0.28	-	<0.2	0.23	0.21	<0.2	<0.2	-	-	-	-	<0.2	-
12/14-20/2018	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-
3/19-22/2019	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	<0.2	-
6/21-25/2019	<0.2	-	<0.2	<0.2	<0.2	<0.2	<0.2	-	-	-	-	-	-

Notes:

1. Data indicate concentrations of 1,4-dioxane in micrograms per liter.
2. "<" indicates that 1,4-dioxane was not detected above the referenced reporting limit.
3. "-" indicates sampling location not included in respective sampling round.
4. "dry" indicates no water at present at surface water location on the date of the respective sampling round.

**TABLE 1C**  
**1,4-DIOXANE CONCENTRATION DATA - WATER SUPPLY WELLS**

Dartmouth College, Rennie Farm Site  
Hanover, New Hampshire  
DES Site #201111109, DES Project #27737

Revised Through 7/30/2019

Town	Tax Map No.	Block - Lot Number	Street Address	Sampling Dates	Result of Analysis 1,4-dioxane (ug/L)	EAI Report ID	Comments
Hanover	13	17-1	7 Rennie Road	9/30/15	<0.25 ug/L	148486	Included in September 1, 2015 Work Plan; sampling after August 25, 2017 includes permit related and supplemental sampling.
			Permit Required Sampling Location	11/12/15	<0.25 ug/L	150322	
				12/9/15	<0.25 ug/L	151249	
				1/6/16	<0.25 ug/L	151971	
				2/10/16	<0.25 ug/L	153008	
				3/9/16	<0.25 ug/L	153812	
				4/11/16	<0.25 ug/L	154768	
				5/20/16	<0.25 ug/L	156322	
				6/24/16	<0.25 ug/L	157587	
				7/18/16	<0.25 ug/L	158450	
				8/17/16	<0.25 ug/L	159610	
				9/16/16	<0.25 ug/L	160639	
				10/21/16	<0.25 ug/L	161929	
				11/30/16	<0.25 ug/L	163377	
				1/10/17	<0.25 ug/L	164654	
				2/23/17	<0.25 ug/L	165942	
				4/12/17	<0.25 ug/L	167511	
				5/16/17	<0.25 ug/L	168809	
				6/5/17	<0.25 ug/L	169474	
				7/7/17	<0.25 ug/L	170707	
				8/14/17	<0.25 ug/L	172209	
				9/18/17	<0.25 ug/L	173579	
				12/1/17	<0.25 ug/L	176561	
				1/18/18	<0.25 ug/L	178011	
				2/14/18	<0.25 ug/L	178905	
				3/22/18	<0.25 ug/L	179874	
				6/1/18	<0.25 ug/L	182503	
6/22/18	<0.25 ug/L	183434					
12/28/18	<0.2 ug/L	190703					
1/23/19	<0.2 ug/L	191464					
2/18/19	<0.2 ug/L	192211					
3/18/19	<0.2 ug/L	193103					
4/22/19	<0.2 ug/L	194469					
6/6/19	<0.2 ug/L	196328					
7/8/19	<0.2 ug/L	197515					
	13	15-1	588 Hanover Center Road	9/17/15 10/9/15	<0.25 ug/L <0.25 ug/L	148124 148910	Abandoned overburden water supply well sampled at owner request
	13	18-1	8 Rennie Road (on site dug well)	multiple rounds	Refer to Table 4A for data	Refer to Table 4A for data	Sampled since 12/19/13

**TABLE 1C**  
**1,4-DIOXANE CONCENTRATION DATA - WATER SUPPLY WELLS**

Dartmouth College, Rennie Farm Site  
Hanover, New Hampshire  
DES Site #201111109, DES Project #27737

Town	Tax Map No.	Block - Lot Number	Street Address	Sampling Dates	Result of Analysis 1,4-dioxane (ug/L)	EAI Report ID	Comments
Hanover	13	81-1	9 Rennie Road	9/15/15	6.0 ug/L (5.9 ug/L duplicate)	148024	Included in September 1, 2015 Work Plan; point-of-entry treatment system also sampled on 11/10/15 through 4/12/17 at midpoint and effluent (finished treated water) with a result of <0.25 ug/L for each sample. Sampling after August 25, 2017 include permit related sampling.
			Permit Required Sampling Location	9/30/15	6.2 ug/L	148486	
				11/10/15	5.6 ug/L	150214	
				12/9/15	5.9 ug/L	151249	
				1/6/16	6.7 ug/L	151971	
				2/10/16	5.6 ug/L	153008	
				3/9/16	4.7 ug/L	153812	
				4/11/16	4.5 ug/L	154768	
				5/20/16	4.6 ug/L	156322	
				6/24/16	4.2 ug/L	157587	
				7/18/16	5.0 ug/L	158450	
				8/17/16	6.0 ug/L	159610	
				9/16/16	5.8 ug/L	160639	
				10/21/16	7.8 ug/L	161929	
				11/7/16	4.6 ug/L	162583	
				12/12/16	5.7 ug/L	163803	
				1/10/17	3.1 ug/L	164654	
				2/10/17	6.6 ug/L	165633	
				3/8/17	5.9 ug/L	166421	
				4/12/17	8.2 ug/L	167511	
				5/16/17	9.9 ug/L	168809	
				6/5/17	8.7 ug/L	169474	
				7/7/17	5.8 ug/L	170707	
				8/14/17	7.9 ug/L	172209	
				9/18/17	11 ug/L	173579	
				10/5/17	9.5 ug/L	174337	
				12/5/17	14 ug/L	176705	
				12/19/17	7.9 ug/L	177336	
				1/18/18	6.1 ug/L	178011	
				2/14/18	10.0 ug/L	178905	
				3/22/18	7.1 ug/L	179874	
				6/1/18	6.5 ug/L	182503	
				6/21/18	6.4 ug/L	183434	
12/28/18	5.6 ug/L	190703					
1/23/19	3.3 ug/L	191464					
2/18/19	5.6 ug/L	192211					
3/18/19	5.6 ug/L	193103					
4/22/19	6.6 ug/L	194469					
6/6/19	4.9 ug/L	196328					
7/8/19	6.4 ug/L	197515					
	15	42-1	20 Rennie Road	not sampled	not sampled	not sampled	Included in September 1, 2015 Work Plan - no access
	15	41-1	22 Rennie Road	9/15/15	<0.25 ug/L	148024	Included in September 1, 2015 Work Plan, sampling after August 25, 2017 include permit related sampling.
Permit Required Sampling Location			9/30/15	<0.25 ug/L	148486		
			9/2/16	<0.25 ug/L	160032		
			11/3/16	<0.25 ug/L	162444		
			1/24/17	<0.25 ug/L	165030		
			5/31/17	<0.25 ug/L	169325		
			9/29/17	<0.25 ug/L	174005		
			12/18/17	<0.25 ug/L	177178		
			3/21/18	<0.25 ug/L	179838		
			6/19/18	<0.25 ug/L	183434		
			9/10/2018	<0.25 ug/L	186690		
			12/21/18	<0.2 ug/L	190586		
			3/21/19	<0.2 ug/L	193277		
6/13/19	<0.2 ug/L	196722					

TABLE 1C  
1,4-DIOXANE CONCENTRATION DATA - WATER SUPPLY WELLS

Dartmouth College, Rennie Farm Site  
Hanover, New Hampshire  
DES Site #201111109, DES Project #27737

Town	Tax Map No.	Block - Lot Number	Street Address	Sampling Dates	Result of Analysis 1,4-dioxane (ug/L)	EAI Report ID	Comments
Hanover	15	51-1	26 Rennie Road Permit Required Sampling Location	3/11/16	<0.25 ug/L	153783	Sampled at Owner Request, sampling after August 25, 2017 include permit related sampling.
				4/12/16	<0.25 ug/L	154768	
				12/13/16	<0.25 ug/L	163842	
				12/18/17	<0.25 ug/L	177178	
				6/22/18	<0.25 ug/L	183434	
				9/10/2018	<0.25 ug/L	186690	
				12/13/18	<0.2 ug/L	190367	
				3/21/19	<0.2 ug/L	193277	
6/28/2019	<0.2 ug/L	197241					
15	51-1	28 Rennie Road Permit Required Sampling Location	11/14/16	<0.25 ug/L	162812	Sampled at Owner Request, sampling after August 25, 2017 include permit related sampling.	
			6/12/17	<0.25 ug/L	169816		
			1/25/18	<0.25 ug/L	178218		
			6/8/18	<0.25 ug/L	182945		
15	50-1	30 Rennie Road Permit Required Sampling Location	8/26/16	<0.25 ug/L	159821	Sampled at Owner Request, sampling after August 25, 2017 include permit related sampling.	
			9/9/16	<0.25 ug/L	160299		
			10/17/16	<0.25 ug/L	161725		
			11/14/16	<0.25 ug/L	162804		
			12/13/16	<0.25 ug/L	163842		
			1/17/17	<0.25 ug/L	164849		
			2/28/17	<0.25 ug/L	166040		
			3/30/17	<0.25 ug/L	167001		
			7/12/17	<0.25 ug/L	170948		
			9/28/17	<0.25 ug/L	174005		
			12/14/17	<0.25 ug/L	177120		
			3/21/18	<0.25 ug/L	179838		
			6/19/18	<0.25 ug/L	183434		
			9/10/2018	<0.25 ug/L	186690		
			12/13/18	<0.2 ug/L	190367		
3/19/19	<0.2 ug/L	193277					
6/20/19	<0.2 ug/L	197018					
15	38-1	38 Rennie Road Permit Required Sampling Location	9/20/16	<0.25 ug/L	160742	Sampled at Owner Request, sampling after August 25, 2017 include permit related sampling.	
			12/14/16	<0.25 ug/L	163943		
			7/12/17	<0.25 ug/L	170948		
			9/29/17	<0.25 ug/L	174005		
			12/12/17	<0.25 ug/L	177120		
			3/22/18	<0.25 ug/L	179838		
			6/26/18	<0.25 ug/L	183584		
			9/12/2018	<0.25 ug/L	186690		
			12/13/18	<0.2 ug/L	190367		
			3/19/19	<0.2 ug/L	193277		
			6/26/19	<0.2 ug/L	197141		
15	37-1	39 Rennie Road Permit Required Sampling Location	11/12/15	<0.25 ug/L	150322	Sampled at Owner Request, sampling after August 25, 2017 include permit related sampling.	
			12/15/15	<0.25 ug/L	151437		
			9/28/16	<0.25 ug/L	160983		
			6/12/17	<0.25 ug/L	169816		
			9/29/17	<0.25 ug/L	174005		
			12/18/17	<0.25 ug/L	177178		
			3/26/18	<0.25 ug/L	179895		
			6/21/18	<0.25 ug/L	183434		
			9/19/2018	<0.2 ug/L	186834		
			12/21/18	<0.2 ug/L	190586		
			3/18/19	<0.2 ug/L	193103		
6/25/2019	<0.2 ug/L	197141					
15	67-1	42 Rennie Road Permit Required Sampling Location	6/24/16	<0.25 ug/L	157587	Sampled at Owner Request, sampling after August 25, 2017 include permit related sampling.	
			9/1/16	<0.25 ug/L	160032		
			12/21/17	<0.25 ug/L	177336		
			3/21/18	<0.25 ug/L	179838		
			6/22/18	<0.25 ug/L	183434		
			9/12/2018	<0.25 ug/L	186690		
			12/20/18	<0.2 ug/L	190586		
			6/20/19	<0.2 ug/L	197018		
15	68-1	44 Rennie Road	7/19/16	<0.25 ug/L	158450	Sampled at Owner Request; surface water in pond also sampled with result of <0.25 ug/L	
			8/2/16	<0.25 ug/L	158913		
			11/4/16	<0.25 ug/L	162465		
			2/28/17	<0.25 ug/L	166040		
			4/12/17	<0.25 ug/L	167511		
			11/20/17	<0.25 ug/L	176215		

**TABLE 1C**  
**1,4-DIOXANE CONCENTRATION DATA - WATER SUPPLY WELLS**

Dartmouth College, Rennie Farm Site  
Hanover, New Hampshire  
DES Site #201111109, DES Project #27737

Town	Tax Map No.	Block - Lot Number	Street Address	Sampling Dates	Result of Analysis 1,4-dioxane (ug/L)	EAI Report ID	Comments
Hanover	15	36-1	47 Rennie Road <b>Permit Required Sampling Location</b>	7/15/16	<0.25 ug/L	158334	Sampled at Owner Request, sampling after August 25, 2017 include permit related sampling.
				8/3/16	<0.25 ug/L	158957	
				10/13/16	<0.25 ug/L	161641	
				6/12/17	<0.25 ug/L	169816	
				9/28/17	<0.25 ug/L	174005	
				12/18/17	<0.25 ug/L	177178	
				3/22/18	<0.25 ug/L	179838	
				6/20/18	<0.25 ug/L	183434	
				9/17/2018	<0.2 ug/L	186834	
				12/21/18	<0.2 ug/L	190586	
				3/19/19	<0.2 ug/L	193277	
	6/24/2019	<0.2 ug/L	197141				
	15	31-1	48 Rennie Road	10/27/16	<0.25 ug/L	162127	Owner sampled well data not reported; GZA sampled rounds shown
				12/1/16	<0.25 ug/L	163445	
	10/27/17	<0.25 ug/L	175220				
	15	33-1	50 Rennie Road	10/27/2017	<0.25 ug/L	175220	Sampled at Owner Request
	15	32-1	52 Rennie Road	9/16/16	<0.25 ug/L	160639	Sampled at Owner Request
				11/16/16	<0.25 ug/L	162940	
	5	95-1	272 Hanover Center Road	1/10/2017	<0.25 ug/L	164637	Sampled at Owner Request
	9	52-1	331 Hanover Center Road (Hanover Center Reservoir)	9/30/16	<0.25 ug/L	161073	Sampled at Request of Hanover Water Department
				10/27/16	<0.25 ug/L	162127	
	9	51-1	361 Hanover Center Road	9/2/16	<0.25 ug/L	160032	Sampled at Owner Request
				9/22/16	<0.25 ug/L	160828	
	9	50-1	365 Hanover Center Road	9/15/16	<0.25 ug/L	160639	Sampled at Owner Request
				11/7/16	<0.25 ug/L	162531	
	9	91-1	401 Hanover Center Road	11/10/16	<0.25 ug/L	162736	Sampled at Owner Request
				2/14/17	<0.25 ug/L	165678	
13	76-1	463 Hanover Center Road	4/27/2017	<0.25 ug/L	168102	Sampled at Owner Request	
			7/13/17	<0.25 ug/L	170948		
12	170-1	472 Hanover Center Road	10/13/16	<0.25 ug/L	161641	Sampled at Owner Request	
			11/14/16	<0.25 ug/L	162804		
13	3-1	487 Hanover Center Road	12/8/16	<0.25 ug/L	163741	Sampled at Owner Request	
			1/12/17	<0.25 ug/L	164764		
12	13-1	494 Hanover Center Road	10/13/16	<0.25 ug/L	161641	Sampled at Owner Request	
			11/3/16	<0.25 ug/L	162444		
			10/27/17	<0.25 ug/L	175220		
13	10-1	544 Hanover Center Road	3/30/17	<0.25 ug/L	167001	Sampled at Owner Request	
			4/27/17	<0.25 ug/L	168102		
13	11-1	552 Hanover Center Road	9/2/16	<0.25 ug/L	160032	Sampled at Owner Request	
			9/22/16	<0.25 ug/L	160828		
13	12-1	562 Hanover Center Road	11/12/15	<0.25 ug/L	150322	Sampled at Owner Request	
			12/22/15	<0.25 ug/L	151632		
13	13-1	566 Hanover Center Road	1/6/16	<0.25 ug/L	151971	Sampled at Owner Request	
			8/19/16	<0.25 ug/L	159611		
			10/20/16	<0.25 ug/L	161885		
			12/22/16	<0.25 ug/L	164218		
			6/12/17	<0.25 ug/L	169816		
13	22-1	587 Hanover Center Road	not reported	not reported	not reported	Owner sampled well	
13	71-1	593 Hanover Center Road	9/15/16	<0.25 ug/L	160639	Sampled at Owner Request	
			10/12/16	<0.25 ug/L	161641		
13	19-1	594 Hanover Center Road <b>Permit Required Sampling Location</b>	9/14/15	<0.25 ug/L	147961	Included in September 1, 2015 Work Plan; sampling after August 25, 2017 include permit related sampling.  Well winterized; no access during December 2017, March 2018, December 2018.	
			10/1/15	<0.25 ug/L	148589		
			1/14/16	<0.25 ug/L	152271		
			5/20/16	<0.25 ug/L	156322		
			9/30/16	<0.25 ug/L	161073		
			1/17/17	<0.25 ug/L	164849		
			2/28/17	<0.25 ug/L	166040		
			4/12/17	<0.25 ug/L	167511		
			5/31/17	<0.25 ug/L	169325		



**TABLE 1C**  
**1,4-DIOXANE CONCENTRATION DATA - WATER SUPPLY WELLS**

Dartmouth College, Rennie Farm Site  
Hanover, New Hampshire  
DES Site #201111109, DES Project #27737

Town	Tax Map No.	Block - Lot Number	Street Address	Sampling Dates	Result of Analysis 1,4-dioxane (ug/L)	EAI Report ID	Comments
Hanover	13	20-1		9/14/15 9/30/15 9/28/16 10/20/16	<0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L	147961 148486 160983 161885	Included in September 1, 2015 Work Plan; owner requested follow on sampling
	16	11-1	607 Hanover Center Road	9/20/16 11/7/16	<0.25 ug/L <0.25 ug/L	160742 162531	Sampled at Owner Request
	16	7-1	612 Hanover Center Road <b>Permit Required Sampling Location</b>	9/30/16 11/4/16 3/28/18 3/26/19	<0.25 ug/L <0.25 ug/L <0.25 ug/L <0.2 ug/L	161073 162465 179975 193346	Sampling after August 25, 2017 include permit related sampling.
	16	6-1	636 Hanover Center Road	10/13/16 11/14/16	<0.25 ug/L <0.25 ug/L	161641 162804	Sampled at Owner Request
	16	29-1	641 Hanover Center Road	10/18/16 11/16/16	<0.25 ug/L <0.25 ug/L	161787 162940	Sampled at Owner Request
	16	4-1	642 Hanover Center Road	2/28/17 4/27/17	<0.25ug/L <0.25 ug/L	166040 168102	Sampled at Owner Request
	16	3-1	643 Hanover Center Road	10/20/16 11/21/16	<0.25 ug/L <0.25 ug/L	161885 163128	Sampled at Owner Request
	16	28-1	648 Hanover Center Road	10/20/16 11/21/16	<0.25 ug/L <0.25 ug/L	161885 163128	Sampled at Owner Request
	16	19-1	654 Hanover Center Road	10/21/16 12/8/16 8/10/17	<0.25 ug/L <0.25 ug/L <0.25 ug/L	161929 163741 172128	Sampled at Owner Request
	16	33-1	655 Hanover Center Road	9/22/16 10/24/16 12/31/18	<0.25 ug/L <0.25 ug/L <0.2 ug/L	160828 161967 190726	Sampled at Owner Request
	16	1-1	663 Hanover Center Road	9/22/16 10/6/16 11/29/16 1/3/17 6/21/19	<0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.2 ug/L	160828 161366 163305 164413 197018	Sampled at Owner Request
	16	21-1	668 Hanover Center Road	9/30/16 10/6/16 10/26/17 12/6/16 2/1/17 11/29/17	0.30 ug/L 0.28 ug/L 0.31 ug/L <0.25 ug/L 0.27 ug/L <0.25 ug/L	161073 161367 162070 163631 165269 176460	Sampled at Owner Request
	16	32-1	669 Hanover Center Road	9/30/16 10/18/16 6/26/18 6/20/19	<0.25 ug/L <0.25 ug/L <0.25 ug/L <0.2 ug/L	161073 161787 183584 197018	Sampled at Owner Request
	16	22-1	1 Dairy Lane	9/15/16 11/7/16	<0.25 ug/L <0.25 ug/L	160639 162531	Previous owner sampled well, data not reported; data shown for samples collected by GZA
	16	23-1	3 Dairy Lane	8/26/16 10/11/16 11/22/16 12/14/16 1/17/16 2/14/16 3/30/17 4/27/17 5/31/17 8/10/17 9/13/17 6/21/18	<0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L	159821 161542 163150 163943 164849 165678 167001 168102 169325 172128 173423 183434	Sampled at Owner Request

TABLE 1C  
1,4-DIOXANE CONCENTRATION DATA - WATER SUPPLY WELLS

Dartmouth College, Rennie Farm Site  
Hanover, New Hampshire  
DES Site #201111109, DES Project #27737

Town	Tax Map No.	Block - Lot Number	Street Address	Sampling Dates	Result of Analysis 1,4-dioxane (ug/L)	EAI Report ID	Comments
Hanover	16	24-1	5 Dairy Lane	9/28/16 11/3/16	<0.25 ug/L <0.25 ug/L	160983 162444	Sampled at Owner Request
	16	25-1	7 Dairy Lane	2/2/16 2/23/16 10/17/16 11/22/16	<0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L	152696 153271 161725 163150	Sampled at Owner Request
	16	27-1	8 Dairy Lane <b>Permit Required Sampling Location</b>	9/15/15 9/30/15 11/4/16 12/21/16 1/18/17 2/28/17 4/27/17 5/31/17 6/26/17 10/7/17 12/19/17 3/22/18 6/26/18 9/17/2018 12/19/18	<0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.2 ug/L <0.2 ug/L	148024 148486 162465 164165 164863 166040 168102 169325 170303 174406 177336 179838 183584 186834 190586	Included in September 1, 2015 Work Plan; sampling after August 25, 2017 include permit related sampling.
	16	26-1	9 Dairy Lane	12/22/15 1/6/16 9/28/16 2/28/17 9/10/2018	<0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L	151632 151971 160983 166040 186690	Sampled at Owner Request
	16	34-1	10 Dairy Lane <b>Permit Required Sampling Location</b>	9/11/15 9/25/15 10/24/16 9/29/17 12/19/17 3/21/18 6/20/18 9/10/2018 12/13/18 3/21/19 6/10/19	<0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.2 ug/L <0.2 ug/L <0.2 ug/L	147923 148366 161967 174005 177336 179838 183434 186690 190367 193277 196526	Included in September 1, 2015 Work Plan; sampling after August 25, 2017 include permit related sampling.
	13	23-1	2 Ferson Road	4/12/16 5/5/16 10/24/16	<0.25 ug/L <0.25 ug/L <0.25 ug/L	154768 155778 161967	Sampled at Owner Request
	13	79-1	3 Ferson Road	9/14/16 10/6/14	<0.25 ug/L <0.25 ug/L	160558 161366	Sampled at Owner Request; surface water in pond also sampled with result of <0.25 ug/L
	13	25-1	8 Ferson Road	11/12/15 12/15/15 12/6/16	<0.25 ug/L <0.25 ug/L <0.25 ug/L	150322 151437 163615	Sampled at Owner Request
	13	82-1	11 Ferson Road	9/22/16 10/13/16	<0.25 ug/L <0.25 ug/L	160828 161641	Sampled at Owner Request
	13	73-1	12 Ferson Road	6/7/16 6/24/16 11/10/16	<0.25 ug/L <0.25 ug/L <0.25 ug/L	156966 157587 162736	Sampled at Owner Request
	13	72-1	16 Ferson Road	12/13/16	<0.25 ug/L	163842	Sampled at Owner Request
	13	28-1	36 Ferson Road	6/7/16 6/24/16 3/30/17	<0.25 ug/L <0.25 ug/L <0.25 ug/L	156966 157587 167001	Sampled at Owner Request
	13	58-1	40 Ferson Road	6/7/16 6/24/16	<0.25 ug/L <0.25 ug/L	156966 157587	Sampled at Owner Request
	13		49 Ferson Road	9/17/2018	<0.2 ug/L	186834	Sampled at Owner Request
	13	69-1	191 Three Mile Road	1/24/17 2/28/17	<0.25 ug/L <0.25 ug/L	165030 166040	Sampled at Owner Request
	13	31-1	198 Three Mile Road	4/12/17 5/31/17	<0.25 ug/L <0.25 ug/L	167511 169325	Sampled at Owner Request
	15	65-1	3 Emily Lane	8/2/16 9/2/16	<0.25ug/L <0.25 ug/L	158913 160032	Sampled at Owner Request
	15	64-1	5 Emily Lane	8/25/16 10/6/16	<0.25 ug/L <0.25 ug/L	159821 161366	Sampled at Owner Request
	15	49-1	1 Fern Lane	9/16/16 10/6/16	<0.25 ug/L <0.25 ug/L	160639 161366	Sampled at Owner Request

TABLE 1C  
1,4-DIOXANE CONCENTRATION DATA - WATER SUPPLY WELLS

Dartmouth College, Rennie Farm Site  
Hanover, New Hampshire  
DES Site #201111109, DES Project #27737

Town	Tax Map No.	Block - Lot Number	Street Address	Sampling Dates	Result of Analysis 1,4-dioxane (ug/L)	EAI Report ID	Comments
Hanover	15	69-1	3 Fern Lane	9/2/16 9/30/16	<0.25 ug/L <0.25 ug/L	160032 161079	Sampled at Owner Request
	15	70-1	5 Fern Lane	9/2/16 9/30/16 1/24/17 3/30/17 6/12/17 10/6/17	<0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L	160032 161073 165030 167001 169816 174406	Sampled at Owner Request
	15	71-1	7 Fern Lane	10/13/16 11/16/16	<0.25 ug/L <0.25 ug/L	161641 162940	Previous owner sampled well, data not reported; data shown for samples collected by GZA
	15	72-1	9 Fern Lane	9/22/16 10/18/16 1/10/17	<0.25 ug/L <0.25 ug/L <0.25 ug/L	160828 161787 164637	Sampled at Owner Request
	15	73-1	11 Fern Lane	9/16/16 10/18/16	<0.25 ug/L <0.25 ug/L	160639 161787	Sampled at Owner Request
	15	35-1	39 Tranquil Brook Lane <b>Permit Required Sampling Location</b>	9/30/16 10/6/17 1/18/18 3/26/18 6/27/18 4/10/19 6/25/19	<0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L <0.20 ug/L <0.25 ug/L <0.2 ug/L	161073 174406 178011 179895 183584 194047 197141	Sampling after August 25, 2017 include permit related sampling.
	16	17-1	15 Thompson Road	10/24/16 12/1/16	<0.25 ug/L <0.25 ug/L	161967 163445	Sampled at Owner Request
	16	20-1	32 Thompson Road	9/16/16 10/17/16	<0.25 ug/L <0.25 ug/L	160639 161725	Sampled at Owner Request
	13	80-1	45 Thompson Road	10/20/16 11/21/16	<0.25 ug/L <0.25 ug/L	161885 163128	Sampled at Owner Request
	15	101-1	3 Pingree Road	11/7/16 12/6/16	<0.25 ug/L <0.25 ug/L	162531 163615	Sampled at Owner Request
	15	98-1	4 Pingree Road	11/16/16 12/13/16	<0.25 ug/L <0.25 ug/L	162940 163842	Sampled at Owner Request
	15	100-1	5 Pingree Road	11/7/16 12/6/16	<0.25 ug/L <0.25 ug/L	162531 163615	Sampled at Owner Request; surface water in stream on property also sampled with result of <0.25 ug/L
	15	99-1	7 Pingree Road	11/3/16 12/14/16	<0.25 ug/L <0.25 ug/L	162444 163943	Sampled at Owner Request
	15	76-1	2 Mulherrin Farm Road	11/4/16 12/6/16	<0.25 ug/L <0.25 ug/L	162465 163615	Sampled at Owner Request
	15	96-1	3 Mulherrin Farm Road	12/21/16 1/17/17	<0.25 ug/L <0.25 ug/L	164165 164849	Sampled at Owner Request
	15	95-1	5 Mulherrin Farm Road	11/21/16 1/3/17	<0.25 ug/L <0.25 ug/L	163128 164413	Sampled at Owner Request
	15	79-1	6 Mulherrin Farm Road	1/4/17 2/1/17	<0.25 ug/L <0.25 ug/L	164413 165269	Sampled at Owner Request
	15	94-1	7 Mulherrin Farm Road	1/3/17 2/7/17	<0.25 ug/L <0.25 ug/L	164413 165499	Sampled at Owner Request
	15	81-1	8 Mulherrin Farm Road	9/19/16 10/18/16	<0.25 ug/L <0.25 ug/L	160742 161787	Sampled at Owner Request

**TABLE 1C**  
**1,4-DIOXANE CONCENTRATION DATA - WATER SUPPLY WELLS**

Dartmouth College, Rennie Farm Site  
Hanover, New Hampshire  
DES Site #201111109, DES Project #27737

Town	Tax Map No.	Block - Lot Number	Street Address	Sampling Dates	Result of Analysis 1,4-dioxane (ug/L)	EAI Report ID	Comments
Hanover	15	111-1	12 Mulherrin Farm Road	11/7/16 12/13/16	<0.25 ug/L <0.25 ug/L	162531 163842	Sampled at Owner Request
	15	110-1	14 Mulherrin Farm Road	10/27/16 1/4/17	<0.25 ug/L <0.25 ug/L	162127 164413	Sampled at Owner Request
	15	109-1	16 Mulherrin Farm Road	11/10/16 12/6/16	<0.25 ug/L <0.25 ug/L	162736 163615	Sampled at Owner Request
	15	89-1	17 Mulherrin Farm Road	4/27/17 5/12/17	<0.25 ug/L <0.25 ug/L	168102 168703	Sampled at Owner Request
	15	108-1	18 Mulherrin Farm Road	11/4/16 12/14/16	<0.25 ug/L <0.25 ug/L	162465 163943	Sampled at Owner Request
	15	88-1	19 Mulherrin Farm Road	1/10/17 2/7/17	<0.25 ug/L <0.25 ug/L	164637 165499	Sampled at Owner Request
	15	107-1	20 Mulherrin Farm Road	11/7/16 12/5/16	<0.25 ug/L <0.25 ug/L	162531 163534	Sampled at Owner Request
	15	87-1	21 Mulherrin Farm Road	11/3/16 12/1/16	<0.25 ug/L <0.25 ug/L	162444 163445	Sampled at Owner Request
	15	84-1	27 Mulherrin Farm Road	11/21/16	<0.25 ug/L	163177	Sampled at Owner Request
	15	83-1	29 Mulherrin Farm Road	11/14/16	<0.25 ug/L	162804	Sampled at Owner Request; surface water in stream on property also sampled with result of <0.25 ug/L
	15	82-1	31 Mulherrin Farm Road	11/16/16 12/21/16	<0.25 ug/L <0.25 ug/L	162940 164165	Sampled at Owner Request
	12	91-1	1 Goodfellow Road	2/14/17	<0.25 ug/L	165678	Sampled at Owner Request
	12	45-1	12 Goodfellow Road	2/7/17	<0.25 ug/L	165499	Sampled at Owner Request
	12	44-1	13 Goodfellow Road	10/27/16 11/29/16	<0.25 ug/L <0.25 ug/L	162127 163305	Sampled at Owner Request
	12	41-1	16 Goodfellow Road	10/27/16 12/1/16	<0.25 ug/L <0.25 ug/L	162127 163445	Sampled at Owner Request
	12	221-1	18 Goodfellow Road	9/28/16 10/24/16	<0.25 ug/L <0.25 ug/L	160983 161967	Sampled at Owner Request
	12	129-1	33 Goodfellow Road	10/27/16 12/8/16	<0.25 ug/L <0.25 ug/L	162127 163741	Sampled at Owner Request
	12	223-1	38 Goodfellow Road	9/20/16 11/14/16	<0.25 ug/L <0.25 ug/L	160742 162804	Sampled at Owner Request
	15	75-1	177 Lyme Road	12/13/16 1/17/17	<0.25 ug/L <0.25 ug/L	163842 164849	Sampled at Owner Request
	15	28-1	182 Lyme Road	11/21/16	<0.25 ug/L	163128	Sampled at Owner Request; surface water in stream on property also sampled with result of <0.25 ug/L
	15	52-1	190 Lyme Road	10/20/16 12/1/16	<0.25 ug/L <0.25 ug/L	161885 163445	Sampled at Owner Request
	15	43	196 Lyme Road	10/24/16 11/21/16	<0.25 ug/L <0.25 ug/L	161967 163128	Sampled at Owner Request
	12	34-1	1 Wardrobe Road	10/24/16 11/21/16	<0.25 ug/L <0.25 ug/L	161967 163128	Sampled at Owner Request
	15	7-1	11 Grant Road	10/13/16 10/24/16	<0.25 ug/L <0.25 ug/L	161641 161967	Sampled at Owner Request
	15	9-1	15 Grant Road	4/27/2017	<0.25 ug/L	168102	Sampled at Owner Request
	12	150	2 Montview Drive	1/4/17 2/1/17	<0.25 ug/L <0.25 ug/L	164413 165269	Sampled at Owner Request
			18 Montview Drive	5/16/17 5/31/17	<0.25 ug/L <0.25 ug/L	168809 169325	Sampled at Owners Request

**TABLE 1C**  
**1,4-DIOXANE CONCENTRATION DATA - WATER SUPPLY WELLS**

Dartmouth College, Rennie Farm Site  
Hanover, New Hampshire  
DES Site #201111109, DES Project #27737

Town	Tax Map No.	Block - Lot Number	Street Address	Sampling Dates	Result of Analysis 1,4-dioxane (ug/L)	EAI Report ID	Comments
Lyme	401	55-multiple lots	85 Dartmouth College Highway, The Village	12/6/16	<0.25 ug/L	163615	Sampled at Owner Request; three individual wells sampled identified as 85 Dartmouth - 100, 85 Dartmouth - 400, and 85 Dartmouth - 701.
	401	55-123	95 Dartmouth College Highway, Klee Building	9/9/16	<0.25 ug/L	160299	Sampled at Owner Request
	401	55-123	95 Dartmouth College Highway, Bancroft Building	9/12/16	<0.25 ug/L	160376	Sampled at Owner Request
	401	42	36 Goose Pond Road	2/14/17 3/30/17	<0.25 ug/L <0.25 ug/L	165678 167001	Sampled at Owner Request
	401	39	72 Goose Pond Road	11/23/16	<0.25 ug/L	163198	Sampled at Owner Request; abandoned Kings Land Farm dug well; Stream-12 and shallow temporary PVC well also sampled at owners request with result of <0.25 ug/L (EAI ID 162173)
	401	20	51 Goose Pond Road	9/28/16 12/21/16	<0.25 ug/L <0.25 ug/L	160983 164165	Sampled at Owner Request
	401	38	104 Goose Pond Road	9/15/16 10/20/16	<0.25 ug/L <0.25 ug/L	160639 161885	Sampled at Owner Request
	401	37	138 Goose Pond Road	12/8/16	<0.25 ug/L	163741	Sampled at Owner Request
	401	36	142 Goose Pond Road	10/24/16 11/22/16	<0.25 ug/L <0.25 ug/L	161967 163150	Sampled at Owner Request
	401	35	144 Goose Pond Road	10/18/16 1/17/17	<0.25 ug/L <0.25 ug/L	161787 164849	Sampled at Owner Request
	401	34	148 Goose Pond Road	12/14/16 1/4/17 5/31/17 11/20/17	<0.25 ug/L <0.25 ug/L <0.25 ug/L <0.25 ug/L	163943 164413 169325 176215	Sampled at Owner Request
	401	23	149 Goose Pond Road	1/10/17 2/28/17	<0.25 ug/L <0.25 ug/L	164637 166040	Sampled at Owner Request
	401	33	154 Goose Pond Road	10/24/16 11/21/16	<0.25 ug/L <0.25 ug/L	161967 163128	Sampled at Owner Request
	401	31-2	158 Goose Pond Road	11/3/16	<0.25 ug/L	162444	Sampled at Owner Request
	401	31-1	162 Goose Pond Road	11/3/16	<0.25 ug/L	162444	Sampled at Owner Request
	410	75	174 Goose Pond Road	11/3/16 12/8/16	<0.25 ug/L <0.25 ug/L	162444 163741	Sampled at Owner Request
	410	74	176 Goose Pond Road	10/20/16 11/22/16	<0.25 ug/L <0.25 ug/L	161885 163150	Sampled at Owner Request
	410	70	216 Goose Pond Road	11/3/16 12/8/16	<0.25 ug/L <0.25 ug/L	162444 163741	Sampled at Owner Request
	410	58	305 Baker Hill Road	1/4/17 2/1/17	<0.25 ug/L <0.25 ug/L	164413 165269	Sampled at Owner Request
	401	30-1	320 Baker Hill Road	2/7/17	<0.25 ug/L	165499	Sampled at Owner Request
	410	77	321 Baker Hill Road	1/3/17	<0.25 ug/L	164413	Sampled at Owner Request
	410	79	331 Baker Hill Road	10/18/16	<0.25 ug/L	161787	Sampled at Owner Request
	401	29	342 Baker Hill Road	1/3/17 2/1/17	<0.25 ug/L <0.25 ug/L	164413 165269	Sampled at Owner Request
	12	126-1	4 Buskey Circle	8/10/2017	<0.25 ug/L	172128	Sampled at Owner Request
	401	26	5 Pelton Lane	10/13/16 11/16/16	<0.25 ug/L <0.25 ug/L	161641 162940	Sampled at Owner Request
	401	28	12 Pelton Lane	10/13/16 11/14/16	<0.25 ug/L <0.25 ug/L	161641 162804	Sampled at Owner Request
	401	27	32 Pelton Lane	12/21/16 1/18/17	<0.25 ug/L <0.25 ug/L	164165 164863	Sampled at Owner Request

**Notes:**

1. Results are in micrograms per liter (ug/L).
2. "<" indicates not detected above the laboratory reporting limit shown.
3. "not reported" indicates well sampled by owner, results not reported to Dartmouth College; assumed not detected above reporting limit.
4. EAI Report ID indicates Eastern Analytical, Inc. (EAI) laboratory report identification number associated with referenced result. Refer to **Appendix C** for EAI's laboratory reports for samples collected after August 27, 2016. EAI laboratory reports for samples collected prior to August 27, 2016 were previously submitted. Refer to **Table 9** for a list of previously completed reports.