

**Appendix A. Raw Data Files from Field Sampling of MAR/GI Sites Conducted between September 1, 2016, and September 30, 2017**

### 300 East Site, Logan, Utah

Sample	UWRL	TN	TDN	TP	TDP	NO3-N	NH3-N	DOC	EC	pH	TSS	VSS	Al	Cr	Fe	Ni	Cu	Zn	As	Cd	Pb	
Date	Name	Log #	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µS/cm	Units	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
		MDL	0.12	0.123	0.035	0.017	0.03	0.017	0.8		0.67	0.67	4	0.05	7	0.4	0.8	2.5	0.2	0.15	0.35	
10/17/16	Bay 2 pond	16762	0.50	0.35	0.14	0.12	0.11	0.16	NA	45.5	6.65	NA	NA	146	0.59	89.8	0.59	2.61	8.97	0.66	<MDL	0.45
10/17/16	Bay 3 pond	16763	0.48	0.46	0.11	0.09	0.12	0.19	NA	43.7	7.47	NA	NA	160	0.52	95.9	1.10	3.55	10.6	0.77	<MDL	0.55
10/17/16	Bay 5 in 1 pond	16764	0.46	0.42	0.11	0.10	0.12	0.17	NA	40.4	7.17	NA	NA	115	0.41	63.9	0.55	2.50	73.0	0.67	<MDL	0.45
10/17/16	Bay 5 in 2 pond	16765	0.36	0.32	0.14	0.12	0.08	0.07	NA	46	7.6	NA	NA	238	0.58	129	0.62	3.10	67.1	0.72	<MDL	0.56
10/17/16	Road Composite	16766	0.56	0.53	0.06	0.07	0.17	0.19	NA	45.9	7.58	NA	NA	156	0.56	90.4	1.14	2.53	19.5	0.67	<MDL	0.39
10/18/16	Bay 2-6"	16767	0.79	0.76	0.29	0.31	0.05	0.03	NA	641	8.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/18/16	Bay 2-24"	16768	1.76	1.08	0.67	0.56	0.06	0.06	NA	943	7.64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/18/16	Bay 3-6"	16769	1.27	1.21	0.17	0.18	0.06	0.07	NA	725	8.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/18/16	Bay 3-24"	16770	2.67	1.50	2.07	2.21	0.16	0.06	NA	1060	7.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/18/16	Bay 5 in 1-6"	16771	0.70	0.80	0.15	0.14	0.12	0.02	NA	621	7.93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/18/16	Bay 5 in 1-24"	16772	0.22	0.23	0.09	0.09	<MDL	<MDL	NA	328	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/18/16	Bay 5 in 2-6"	16773	0.74	0.64	0.09	0.07	0.04	<MDL	NA	482	7.58	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/18/16	Bay 5 in 2-24"	16774	<MDL	0.34	0.08	0.08	0.11	0.07	NA	38.7	7.84	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/15/17	Bay 2 Inlet	17664	0.86	1.99	0.17	0.17	NA	0.20	NA	101	6.5	NA	NA	37.8	0.53	32.4	2.80	5.90	27.4	0.48	<MDL	<MDL
9/15/17	Bay 3 Inlet	17665	0.98	1.18	0.20	0.09	NA	0.08	19.7	122	7.3	NA	NA	35.7	0.58	36.0	34.1	5.69	32.6	0.48	0.27	<MDL
9/15/17	Bay 5 in Inlet	17666	1.44	1.22	0.24	0.20	NA	<MDL	22.7	173	7.2	NA	NA	29.9	0.63	26.9	5.75	6.08	28.5	0.56	<MDL	<MDL
9/15/17	Bay 5 in 2 Inlet	17667	1.04	0.99	0.18	0.16	NA	0.09	20.5	10.0	7.1	NA	NA	46.7	0.48	40.6	7.86	6.09	23.7	0.50	<MDL	<MDL
9/17/17	Bay 2-20"	17681	0.67	0.99	0.58	0.54	0.05	0.06	NA	1,030	8.4	NA	NA	60.1	0.63	132	11.6	3.83	70.6	6.69	0.15	<MDL
9/17/17	Bay 5 in 2-20"	17682	0.58	0.66	0.11	0.06	0.05	0.04	NA	868	8.0	NA	NA	32.3	0.47	30.0	8.43	2.85	95.4	3.74	<MDL	<MDL
9/17/17	Bay 2 Inlet	17698	1.86	1.53	0.25	0.13	0.50	0.39	14.69	108	7.2	NA	NA	308	1.75	288	3.19	5.73	42.1	0.46	<MDL	<MDL
9/17/17	Bay 3 Inlet	17699	1.46	1.27	0.15	0.21	0.46	0.31	12.05	117	7.3	NA	NA	242	1.20	177	2.21	3.90	26.3	0.46	<MDL	<MDL
9/17/17	Bay 5 in 1 Inlet	17700	1.46	1.33	0.13	0.08	0.60	0.30	13.47	108	7.1	NA	NA	66.7	0.74	57.2	2.24	4.12	25.4	0.44	<MDL	<MDL
9/17/17	Bay 5 in 2 Inlet	17701	1.57	0.72	0.43	0.07	0.17	0.21	8.50	81.5	7.2	NA	NA	29.6	0.31	46.5	0.79	2.12	9.70	0.29	<MDL	<MDL
9/20/17	Bay 5 in 1-12"	17702	0.58	0.65	0.05	0.07	0.13	0.09	153	352	7.2	NA	NA	7.82	0.57	64.9	3.44	3.12	53.7	0.70	<MDL	<MDL
9/20/17	Bay 2-20"	17703	0.62	1.44	0.38	0.05	0.05	0.10	NA	701	7.5	NA	NA	<MDL	0.11	27.1	1.97	<MDL	25.5	2.15	<MDL	<MDL
9/22/17	Bay 2 Inlet	17735	0.70	0.55	0.11	0.06	0.12	0.20	10.0	68.1	6.5	NA	NA	25.0	0.34	29.5	5.95	3.16	28.8	0.27	<MDL	<MDL
9/22/17	Bay 3 Inlet	17736	1.03	0.93	0.15	0.69	0.63	0.51	8.21	79.7	7.5	NA	NA	26.2	0.46	18.7	7.97	3.95	32.5	0.31	<MDL	<MDL
9/22/17	Bay 5 in 1 Inlet	17737	1.03	0.89	0.17	0.42	0.19	0.20	11.4	114	7.6	NA	NA	25.6	0.60	26.4	9.13	5.61	56.3	0.44	<MDL	<MDL
9/22/17	Bay 5 in 2 Inlet	17738	0.80	0.82	0.11	0.14	0.05	0.02	8.31	66.2	7.5	NA	NA	23.0	0.29	15.5	6.24	3.71	24.6	0.28	<MDL	<MDL
9/23/17	Bay 3-12" (1:1)	17742	0.87	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9/23/17	Bay 3-20"	17743	0.89	1.08	NA	NA	<MDL	1.00	NA	905	8.5	NA	NA	2.49	0.13	16.1	1.59	0.41	70.3	2.28	<MDL	<MDL
														Al	Cr	Fe	Ni	Cu	Zn	As	Cd	Pb
														µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
10/18/16	Soil Bay 2	16786	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10,695	52.5	2,270	28.0	43.2	980	49.8	1.12	19.6
10/18/16	Soil Bay 3	16787	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80,453	95.7	11,795	188	103	10,700	451	21.3	243
10/18/16	Soil Bay 5 in 1	16788	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,084	69.8	1,190	24.7	44.1	637	85.9	1.33	20.8
10/18/16	Soil Bay 5 in 2	16789	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,436	37.6	2,277	20.3	40.2	547	55.0	0.67	9.83

# Salt Lake City Public Utilities Parking Lot Site, Salt Lake City, Utah

Date	Sample Name	UWRL Log #	TN mg/L	TDN mg/L	TP mg/L	TDP mg/L	NO3-N mg/L	NH3-N mg/L	DOC mg/L	EC μS/cm	pH Units	TSS mg/L	VSS mg/L	Al μg/L	Cr μg/L	Fe μg/L	Ni μg/L	Cu μg/L	Zn μg/L	As μg/L	Cd μg/L	Pb μg/L
		MDL	0.12	0.123	0.035	0.017	0.03	0.017	0.8			0.67	0.7	4	0.05	7	0.4	0.8	2.5	0.2	0.15	0.35
10/17/16	Gutter 1	16776	1.81	1.42	0.25	0.15	<MDL	0.03	NA	144	6.1	NA	NA	83.9	5.98	153	27.4	13.6	112	2.00	<MDL	1.70
10/17/16	Gutter 1	16777	1.79	1.23	0.26	0.16	<MDL	<MDL	NA	137	7.7	NA	NA	85.4	7.00	155	26.1	13.6	79.2	1.98	<MDL	3.97
10/17/16	Well 1	16778	2.62	1.99	0.45	0.03	1.78	0.05	NA	513	8.4	NA	NA	623	16.0	564	52.8	3.49	17.1	3.44	<MDL	0.44
10/17/16	Well 1	16779	2.68	1.84	0.44	0.03	1.60	<MDL	NA	544	8.0	NA	NA	796	17.3	679	70.3	4.56	10.8	4.34	<MDL	0.53
10/17/16	Gutter 2	16780	1.98	1.68	0.61	0.56	0.23	0.23	NA	136	5.1	NA	NA	111	1.91	62.4	4.06	14.2	59.2	1.28	0.71	1.16
10/17/16	Gutter 2	16781	1.52	1.05	0.46	0.37	<MDL	<MDL	NA	88.5	6.2	NA	NA	80.5	2.91	36.9	4.29	15.7	243	1.38	0.33	2.38
10/17/16	Gutter 2	16782	1.45	0.78	0.44	0.34	<MDL	<MDL	NA	31.9	6.3	NA	NA	59.1	1.55	57.0	2.54	11.9	71.7	1.10	0.21	3.98
10/17/16	Gutter 2	16783	1.32	0.78	0.42	0.34	<MDL	<MDL	NA	28.9	6.3	NA	NA	88.7	1.91	42.9	3.13	14.3	76.0	1.40	0.23	0.99
10/17/16	Well 2	16784	2.18	1.81	0.21	0.04	0.83	0.26	NA	38.9	9.6	NA	NA	975	11.7	401	8.70	7.73	38.4	2.54	<MDL	0.35
10/17/16	Well 2	16785	2.15	1.95	0.22	0.03	0.84	0.20	NA	36.0	9.7	NA	NA	830	10.1	321	6.71	6.41	21.6	2.18	<MDL	0.37
11/22/16	Gutter 1	16824	3.08	2.69	0.70	0.60	0.10	<MDL	NA	436	7.3	NA	NA	55.1	28.3	340	76.5	16.6	159	3.53	0.17	6.85
11/22/16	Gutter 1	16825	2.30	1.61	0.43	0.29	0.02	<MDL	NA	321	7.4	NA	NA	48.5	9.49	384	22.5	15.8	151	2.66	0.20	4.67
11/22/16	Gutter 2	16826	3.34	2.34	0.44	0.27	0.04	<MDL	NA	373	7.0	NA	NA	72.8	15.7	292	18.1	27.0	169	3.13	0.41	6.23
11/22/16	Gutter 2	16827	3.20	2.45	0.38	0.22	0.03	<MDL	NA	344	6.9	NA	NA	66.8	22.7	348	23.9	24.8	129	3.05	0.36	7.61
11/22/16	Gutter 2	16828	2.66	1.92	0.33	0.20	<MDL	<MDL	NA	283	6.9	NA	NA	50.9	20.0	273	23.1	18.2	123	2.38	0.30	4.78
11/22/16	Gutter 2	16829	2.04	1.51	0.29	0.14	<MDL	<MDL	NA	248	6.7	NA	NA	46.8	24.1	311	23.9	18.6	96.4	2.01	0.26	4.42
11/22/16	Gutter 2	16830	1.99	1.35	0.22	0.14	<MDL	<MDL	NA	225	7.0	NA	NA	42.6	24.0	296	23.1	16.6	85.3	2.12	0.23	4.33
11/22/16	Gutter 2	16831	2.13	1.25	0.24	0.14	<MDL	<MDL	NA	182	7.0	NA	NA	37.5	22.4	260	21.1	14.5	77.5	1.52	0.22	3.52
11/22/16	Gutter 2	16832	1.89	1.05	0.19	0.09	<MDL	<MDL	NA	161	6.9	NA	NA	36.5	21.7	259	21.4	14.0	89.3	2.43	0.40	7.02
11/22/16	Gutter 2	16833	1.29	0.96	0.05	0.04	0.25	0.21	NA	81.2	7.3	NA	NA	42.7	6.1	97.4	6.14	8.73	32.6	1.54	<MDL	4.01
11/22/16	Gutter 2	16834	0.99	0.74	0.02	0.05	0.19	0.19	NA	65.2	6.9	NA	NA	33.7	4.54	72.8	4.61	7.67	28.7	1.49	<MDL	2.17
11/22/16	Gutter 2	16835	0.88	0.70	0.07	0.04	0.19	0.11	NA	62.3	6.7	NA	NA	27.1	3.86	65.2	4.44	6.37	25.6	1.24	<MDL	1.82
11/22/16	Gutter 2	16836	1.67	1.46	0.18	0.04	1.03	0.00	NA	65.4	6.9	NA	NA	39.3	3.58	61.3	3.34	6.44	15.0	1.04	<MDL	1.49
11/22/16	Gutter 2	16837	0.82	0.60	0.06	0.03	0.26	0.07	NA	53.4	6.7	NA	NA	20.1	3.96	52.2	3.91	5.70	21.6	1.12	1.06	1.32
11/22/16	Gutter 2	16838	0.70	0.54	0.05	0.03	0.20	0.11	NA	49.5	6.7	NA	NA	26.8	4.63	54.0	3.89	6.18	33.5	0.80	<MDL	1.50
11/22/16	Gutter 2	16839	0.91	0.73	0.09	0.06	0.15	0.24	NA	48.0	6.6	NA	NA	29.7	4.67	46.0	5.38	7.27	18.8	0.88	<MDL	1.59
3/24/17	Well 1	17016	1.6845	NA	0.27	0.03	0.96	0.10	NA	2,420	7.9	NA	NA	45.0	10.2	257	26.6	35.2	19.0	3.06	0.37	0.50
3/24/17	Well 1	17017	6.3872	NA	0.36	0.05	1.21	0.05	NA	3,120	8.2	NA	NA	54.3	14.8	210	35.1	73.7	20.7	4.31	<MDL	0.50
3/24/17	Well 1	17018	2.8909	NA	0.83	0.06	1.29	0.07	NA	4,230	8.2	NA	NA	96.7	20.0	575	30.1	71.0	32.7	4.48	<MDL	3.30
3/24/17	Gutter 1	17019	2.7254	NA	0.29	0.18	<MDL	0.76	NA	1,510	7.6	NA	NA	370	1.58	280	6.86	19.7	32.5	1.78	<MDL	1.86
3/24/17	Gutter 1	17020	2.5199	NA	0.25	0.18	0.67	0.70	NA	1,210	6.5	NA	NA	317	2.23	240	6.84	15.4	26.1	1.80	<MDL	1.31
3/24/17	Gutter 1	17021	3.0729	NA	0.22	0.15	0.57	0.62	NA	1,070	7.5	NA	NA	309	2.86	231	5.69	14.8	22.3	1.69	<MDL	1.47
3/24/17	Gutter 1	17022	1.8693	NA	0.19	0.13	0.47	0.57	NA	925	7.3	NA	NA	290	2.95	204	6.10	13.9	28.4	1.42	<MDL	1.16
3/24/17	Gutter 1	17023	1.8953	NA	0.17	0.11	0.42	0.57	NA	793	7.2	NA	NA	249	3.01	194	6.59	12.2	22.7	1.34	<MDL	1.06
3/24/17	Gutter 1	17024	0.4969	NA	0.06	0.03	0.10	0.14	NA	176	7.3	NA	NA	95.3	3.90	74.5	3.50	2.87	27.2	0.72	<MDL	0.40
3/24/17	Gutter 1	17025	0.7091	NA	0.06	0.04	0.08	0.12	NA	143	6.3	NA	NA	87.1	5.44	69.5	2.74	3.58	24.8	0.62	<MDL	0.39
3/24/17	Gutter 1	17026	0.565	NA	0.08	0.04	0.07	0.15	NA	129	7.8	NA	NA	90.2	4.43	69.1	3.36	2.30	15.2	0.53	<MDL	0.47
3/24/17	Gutter 1	17027	0.5153	NA	0.15	0.06	0.07	0.17	NA	107	8.2	NA	NA	75.2	3.17	45.7	2.40	2.35	5.34	0.62	<MDL	<MDL
3/24/17	Gutter 1	17028	12.1825	NA	<MDL	0.06	0.07	0.21	NA	111	6.7	NA	NA	93.1	6.75	76.7	5.75	3.42	9.06	0.88	<MDL	<MDL
3/24/17	Well 2	17029	1.0319	NA	0.36	0.11	0.46	0.09	NA	43.0	7.8	NA	NA	241	2.59	167	2.41	8.77	37.5	3.70	<MDL	0.41
3/24/17	Well 2	17030	1.5978	NA	0.21	0.11	0.50	0.12	NA	61.7	8.0	NA	NA	214	2.37	141	4.58	8.71	89.3	3.89	<MDL	0.35
3/24/17	Well 2	17031	1.9606	NA	0.19	0.05	1.05	0.09	NA	2,900	9.6	NA	NA	414	21.3	142	64.9	9.36	25.2	6.82	<MDL	<MDL
3/24/17	Well 2	17032	2.0676	NA	0.24	0.03	1.04	0.09	NA	2,820	9.6	NA	NA	470	35.9	182	48.3	8.92	12.4	7.21	<MDL	<MDL
3/24/17	Gutter 2	17033	4.7666	NA	0.10	0.17	0.59	0.71	NA	306	8.0	NA	NA	191	14.4	124	12.1	17.6	53.7	1.12	<MDL	0.80
3/24/17	Gutter 2	17034	1.895	NA	0.12	0.10	0.46	0.63	NA	221	7.5	NA	NA	153	11.3	88.3	7.23	11.4	13.9	1.00	0.22	0.60
3/24/17	Gutter 2	17035	1.5199	NA	0.10	0.08	0.44	0.55	NA	223	8.1	NA	NA	139	10.1	75.2	6.70	11.7	22.5	0.93	<MDL	0.59
3/24/17	Gutter 2	17036	1.3728	NA	0.10	0.08	0.36	0.56	NA	208	7.7	NA	NA	122	8.58	71.2	4.97	10.7	18.1	0.81	<MDL	0.45
3/24/17	Gutter 2	17037	1.2606	NA	0.12	0.11	0.26	0.43	NA	175	7.4	NA	NA	116	7.15	62.1	4.27	8.97	42.5	0.79	0.18	0.48
3/24/17	Gutter 2	17038	1.1192	<MDL	0.14	0.06	0.04	0.44	NA	142	7.3	NA	NA	113	5.71	55.0	3.68	7.07	52.5	0.71	<MDL	<MDL
3/24/17	Gutter 2	17039	0.6559	<MDL	0.16	0.09	0.16	0.28	NA	95.8	7.2	NA	NA	79.6	3.90	39.3	2.67	5.42	16.3	0.68	<MDL	<MDL
3/24/17	Gutter 2	17040	0.4669	0.29	0.04	0.05	0.09	0.19	NA	64.4	7.1	NA	NA	81.7	2.67	30.1	2.29	3.81	33.9	0.65	<MDL	<MDL
3/24/17	Gutter 2	17041	0.3122	<MDL	0.16	0.06	0.09	0.13	NA	43.6	7.6	NA	NA	54.9	1.91	22.4	1.82	2.83	17.9	0.46	<MDL	<MDL
3/24/17	Gutter 2	17042	0.2842	<MDL	<MDL	0.02	0.07	0.12	NA	36.4	6.2	NA	NA	65.0	1.80	19.5	1.53	2.54	11.5	0.47	<MDL	0.52
3/24/17	Gutter 2	17043	0.4735	2.45	<MDL	0.03	0.07	0.14	NA	30.7	6.3	NA	NA	53.4	1.63	18.0	1.72	3.08	20.3	0.41	<MDL	<MDL
3/26/17	Well 1	17044	0.7471	2.26	0.10	0.03	0.31	0.06	NA	4,260	7.9	NA	NA	92.8	3.73	104	8.61	13.3	7	1.32	<MDL	0.41
3/26/17	Well 1	17045	1.9576	2.32	0.21	0.03	1.14	0.03	NA	3,140	8.2	NA	NA	273	15.3	167	23.3	56.0	18.4	4.67	0.23	1.68
3/26/17	Well 1	17046	4.9815	1.42	0.19	0.02	NA	0.03	NA	2,710	8.6	NA	NA	154	12.8	72.4	21.2	52.9	16.3	5.27	0.20	<MDL
3/26/17	Well 1	17047	4.7275	1.30	<MDL	0.02	1.00	0.02	NA	2,510	8.3	NA	NA	141	11.0	59.3	15.0	50.3	14.4	5.43	<MDL	0.37
3/26/17</																						

## Salt Lake City Public Utilities Parking Lot Site, Salt Lake City, Utah (continued)

Date	Sample Name	Sample Type	UWRL	TN	TDN	TP	TDP	NO3-N	NH3-N	DOC	EC	pH	TSS	VSS	Al	Cr	Fe	Ni	Cu	Zn	As	Cd	Pb	
			Log #	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µS/cm	Units	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
3/28/17	Gutter 1	Grab	17066	0.85	NA	0.04	0.02	0.15	0.18	NA	76.6	7.7	NA	15.7	2.01	0.05	7	0.4	0.8	2.5	0.2	0.15	0.35	
3/28/17	Gutter 1	Grab	17067	0.49	NA	<MDL	0.02	0.15	0.20	NA	74.0	7.7	NA	19.0	1.79	28.3	6.45	2.05	20.3	<MDL	<MDL	<MDL	<MDL	
3/28/17	Gutter 1	Grab	17068	0.72	0.81	<MDL	0.02	0.15	0.18	NA	74.0	8.2	NA	29.1	1.99	54.2	7.04	2.65	33.5	0.22	0.55	0.48	<MDL	
3/28/17	Gutter 1	Grab	17069	0.64	0.74	<MDL	0.02	0.14	0.18	NA	75.1	8.7	NA	18.1	1.98	29.5	6.41	2.61	30.1	<MDL	<MDL	<MDL	<MDL	
3/28/17	Gutter 1	Grab	17070	0.67	0.73	<MDL	0.02	0.14	0.20	NA	83.3	7.9	NA	18.9	2.78	35.5	7.49	4.74	18.0	0.21	<MDL	1.04	<MDL	
3/28/17	Gutter 1	Grab	17071	3.96	0.86	0.06	<MDL	0.15	0.20	NA	90.3	8.3	NA	26.5	3.13	40.2	12.6	4.17	13.0	<MDL	<MDL	<MDL	<MDL	
3/28/17	Well 1	Grab	17072	18.96	1.22	0.06	0.03	0.70	<MDL	NA	1.52	9.2	NA	89.1	9.69	40.7	8.14	5.11	14.1	13.1	5.30	<MDL	<MDL	
3/28/17	Well 1	Grab	17073	1.65	NA	0.11	0.03	0.64	NA	NA	1.63	9.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
3/28/17	Trip Blank		17074	0.73	0.37	<MDL	0.04	0.02	<MDL	NA	1.43	8.8	NA	NA	11.5	0.42	5.95	1.10	0.36	8.38	<MDL	<MDL	<MDL	<MDL
3/28/17	Gutter 2	Grab	17075	0.67	0.63	<MDL	0.03	0.08	0.15	NA	15.3	6.5	NA	8.62	1.21	8.14	1.86	4.30	24.4	<MDL	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17076	0.43	0.64	<MDL	0.06	0.07	0.14	NA	14.9	9.2	NA	10.5	1.43	6.62	2.87	3.49	13.6	<MDL	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17077	0.42	0.81	<MDL	0.02	0.07	0.14	NA	14.8	8.2	NA	23.8	1.32	6.32	1.66	3.67	13.7	<MDL	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17078	0.44	0.60	<MDL	0.03	0.11	0.20	NA	16.4	8.7	NA	9.21	1.42	22.5	2.27	5.49	14.9	<MDL	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17079	0.51	0.79	<MDL	0.06	0.10	0.22	NA	15.4	8.0	NA	10.0	1.60	11.0	2.96	3.31	30.2	<MDL	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17080	0.62	0.89	0.04	0.03	0.13	0.26	NA	22.4	8.8	NA	15.4	2.15	9.58	2.87	8.67	25.6	<MDL	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17081	0.65	0.91	<MDL	<MDL	0.10	0.23	NA	21.3	9.7	NA	10.7	2.30	6.78	2.18	7.95	19.4	<MDL	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17082	1.19	2.04	0.08	0.03	0.14	0.04	NA	99.1	9.6	NA	299	9.86	47.7	31.8	6.23	7.4	14.45	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17083	1.70	1.24	0.05	0.03	0.71	<MDL	NA	90.5	9.7	NA	95.4	10.8	25.4	11.8	6.32	14.4	5.26	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17084	1.60	2.11	0.05	0.04	0.13	<MDL	NA	86.1	9.3	NA	216	7.29	34.0	18.6	4.63	18.1	13.02	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17085	1.18	1.40	0.06	0.04	0.69	0.04	NA	68.1	11.1	NA	98.7	10.4	33.4	6.98	6.32	10.2	9.60	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17086	0.93	2.62	0.05	0.07	1.03	0.05	NA	71.3	12.0	NA	210	8.83	57.2	16.8	27.5	20.1	14.49	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17087	1.10	1.18	0.14	0.03	0.42	0.04	NA	54.0	11.5	NA	1,157	8.03	37.4	2.32	5.66	19.1	5.61	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17088	NA	1.20	<MDL	0.05	0.29	0.09	NA	315	11.0	NA	668	4.75	24.7	4.77	3.30	31.0	2.69	0.15	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17089	0.47	0.68	<MDL	<MDL	0.12	0.05	NA	225	11.2	NA	524	5.95	15.6	4.92	1.87	6.3	1.72	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17090	3.03	0.48	0.06	0.02	0.15	0.04	NA	281	11.3	NA	685	8.41	15.0	1.50	1.59	13.1	1.89	<MDL	<MDL	<MDL	
3/28/17	Gutter 2	Grab	17091	0.86	0.82	<MDL	0.03	0.26	0.04	NA	57.1	11.6	NA	1,393	11.6	18.7	1.44	2.30	26.8	2.11	<MDL	<MDL	<MDL	

**Salt Lake City Public Utilities Parking Lot Site, Salt Lake City, Utah (continued)**

Date	Sample Name	UWRL	TN	TDN	TP	TDP	NO3-N	NH3-N	DOC	EC	pH	TSS	VSS	Al	Cr	Fe	Ni	Cu	Zn	As	Cd	Pb
	Botl #	Log #	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µS/cm	Units	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
4/18/17	Gutter 1	Grab	17164	NA	NA	0.12	0.123	0.095	0.017	0.8	71.3	8.5	NA	9.9	2.28	15.6	5.13	16.6	35.0	0.31	<MDL	<MDL
4/18/17	Gutter 1	Grab	17165	1.23	1.18	0.31	0.10	0.18	NA	11.5	69.3	8.2	NA	18.9	1.63	25.4	5.10	18.5	26.2	0.27	<MDL	1.02
4/18/17	Gutter 1	Grab	17166	0.69	1.31	0.21	0.85	0.10	NA	11.1	70.2	7.9	NA	18.0	1.76	19.8	4.17	16.6	16.9	0.32	<MDL	<MDL
4/18/17	Well 1	Grab	17167	<MDL	1.03	<MDL	0.53	0.48	NA	23.6	86.6	8.0	NA	56.3	7.18	27.2	30.8	55.9	28.9	5.46	<MDL	<MDL
4/18/17	Well 1	Grab	17168	0.87	1.22	0.15	<MDL	0.60	NA	NA	78.4	8.3	NA	34.1	4.05	20.5	9.40	20.4	12.3	2.25	<MDL	<MDL
4/18/17	Gutter 2	Botl 1	17169	NA	1.97	0.17	0.16	0.42	NA	22.4	87.2	7.8	NA	17.0	1.15	19.1	3.60	28.1	72.3	0.34	<MDL	0.37
4/18/17	Gutter 2	Botl 2	17170	1.90	1.55	1.43	0.61	0.41	NA	13.7	80.5	7.8	NA	17.0	1.07	18.9	2.18	21.9	18.4	0.27	<MDL	<MDL
4/18/17	Gutter 2	Botl 3	17171	1.13	1.30	0.39	0.88	0.35	NA	11.0	71.1	7.8	NA	20.6	0.88	19.6	1.58	15.2	17.6	0.27	<MDL	<MDL
4/18/17	Gutter 2	Botl 4	17172	0.75	1.23	0.39	0.81	0.29	NA	9.04	67.9	8.0	NA	18.1	1.00	16.5	1.26	12.5	20.7	0.31	<MDL	<MDL
4/18/17	Gutter 2	Botl 5	17173	0.79	0.76	1.10	<MDL	0.20	NA	7.98	61.8	8.0	NA	17.5	0.63	13.4	0.99	10.8	8.14	0.20	<MDL	<MDL
4/18/17	Gutter 2	Botl 6	17174	0.61	0.88	0.52	<MDL	0.19	NA	7.36	60.0	8.0	NA	18.5	0.56	15.9	0.94	9.32	16.4	<MDL	<MDL	
4/18/17	Gutter 2	Botl 7-8	17175	0.37	0.77	0.06	<MDL	0.16	NA	6.41	55.2	8.8	NA	22.5	0.63	13.9	0.73	8.34	15.5	<MDL	<MDL	
4/18/17	Gutter 2	Botl 9-10	17176	0.30	0.67	0.13	0.04	0.10	NA	5.55	49.6	8.8	NA	19.7	0.58	11.1	0.69	6.98	14.6	<MDL	<MDL	
4/18/17	Gutter 2	Botl 11-12	17177	0.19	0.68	0.08	<MDL	0.10	NA	5.44	46.5	8.4	NA	16.1	0.42	10.3	0.65	6.77	20.8	<MDL	<MDL	
4/18/17	Gutter 2	Botl 13-14	17178	0.39	0.70	0.09	0.07	0.08	NA	5.04	41.7	8.4	NA	11.9	0.58	26.6	1.23	7.03	29.9	<MDL	<MDL	
4/18/17	Gutter 2	Botl 15-16	17179	0.28	0.68	0.10	<MDL	0.08	NA	5.43	39.3	8.0	NA	12.5	0.47	12.3	2.01	9.84	53.4	<MDL	0.16	
4/18/17	Gutter 2	Botl 17-18	17180	0.23	3.19	0.09	0.18	0.09	NA	5.54	36.0	7.0	NA	13.6	0.37	9.9	0.98	8.31	18.1	<MDL	0.47	
4/18/17	Gutter 2	Botl 19	17181	0.55	0.92	0.14	0.76	0.11	NA	7.81	39.9	7.5	NA	12.1	0.76	13.6	1.02	13.8	20.4	<MDL	0.29	
4/18/17	Well 2	Botl 2	17182	1.50	1.67	0.23	0.14	1.05	NA	15.6	238	7.7	NA	125	4.72	17.3	1.78	7.77	12.1	2.19	<MDL	0.46
4/18/17	Well 2	Botl 3	17183	1.41	1.32	0.15	<MDL	0.80	NA	14.7	194	8.8	NA	223	4.88	17.1	2.27	8.09	27.7	1.85	<MDL	<MDL
4/18/17	Well 2	Botl 4	17184	0.83	1.27	0.13	<MDL	0.54	NA	11.1	158	9.1	NA	298	4.27	20.1	3.29	6.09	41.6	1.51	0.20	
4/18/17	Well 2	Botl 5	17185	0.56	0.82	0.09	<MDL	0.32	NA	7.19	142	9.7	NA	346	3.59	31.8	1.62	4.59	47.8	1.05	0.49	
4/18/17	Well 2	Botl 6	17186	1.44	0.53	0.05	<MDL	0.26	NA	6.35	164	9.9	NA	439	3.88	16.7	1.24	4.06	31.9	1.06	<MDL	
4/18/17	Well 2	Botl 7	17187	0.13	<MDL	<MDL	0.40	0.26	NA	5.95	152	10.2	NA	534	4.66	14.4	3.44	3.77	14.0	0.98	<MDL	
4/18/17	Well 2	Botl 8	17188	<MDL	0.79	<MDL	0.08	0.25	NA	6.14	169	10.3	NA	650	5.25	13.9	1.52	3.98	12.9	1.01	<MDL	
4/18/17	Well 2	Botl 9	17189	0.25	0.78	0.04	0.32	0.30	NA	6.09	257	10.4	NA	865	6.89	14.7	1.65	4.96	40.6	1.19	0.21	
4/18/17	Well 2	Botl 10-11	17190	NA	NA	0.25	1.55	0.32	NA	6.98	313	10.8	NA	936	7.50	17.8	1.43	3.75	9.89	1.08	<MDL	
4/18/17	Well 2	Botl 12-13	17191	NA	NA	0.86	1.96	0.28	NA	6.19	358	10.8	NA	1082	7.93	24.2	0.48	3.68	10.2	0.92	<MDL	
4/18/17	Well 2	Botl 14-15	17192	NA	NA	0.49	1.00	0.30	NA	6.03	439	11.2	NA	1211	8.76	11.5	0.50	3.51	12.5	0.88	<MDL	
4/18/17	Well 2	Botl 16-17	17193	NA	NA	0.19	1.48	0.34	NA	6.06	529	10.9	NA	1601	12.2	13.9	0.93	4.16	14.7	0.91	0.22	
4/18/17	Well 2	Botl 18-19	17194	NA	NA	0.25	0.74	0.32	NA	6.61	573	11.0	NA	1654	12.3	15.4	0.66	4.20	15.3	0.85	<MDL	
4/18/17	Well 2	Grab	17195	NA	NA	0.29	0.99	0.40	NA	7.46	481	10.8	NA	1464	12.0	13.3	0.71	4.51	5.26	2.44	<MDL	
4/21/17	Gutter 1	Grab	17196	NA	NA	0.46	1.38	0.12	NA	8.41	83.4	7.7	NA	13.6	2.24	12.4	6.6	23.1	15.0	0.26	<MDL	
4/21/17	Gutter 1	Grab	17197	NA	NA	0.29	0.47	0.21	NA	6.14	86.9	7.8	NA	12.1	2.18	11.3	3.3	17.9	10.9	0.25	<MDL	
4/21/17	Gutter 1	Grab	17198	NA	NA	1.34	0.56	0.62	NA	10.64	861	8.0	NA	71.4	8.15	21.6	19.2	39.8	10.1	7.39	<MDL	
4/21/17	Well 1	Grab	17199	NA	NA	0.78	1.13	0.65	NA	7.28	795	8.5	NA	67.3	6.01	17.1	10.7	28.5	28.3	6.95	<MDL	
4/21/17	Gutter 2	Botl 1-4	17200	NA	NA	0.54	1.12	0.22	NA	8.84	64.5	7.9	NA	11.4	0.77	12.7	2.9	17.9	40.9	<MDL	0.42	
4/21/17	Well 2	Botl 1-4	17201	NA	NA	0.93	1.40	0.64	NA	8.04	378	9.5	NA	1026	10.8	23.3	2.6	5.21	9.21	6.04	<MDL	
4/21/17	Well 2	Botl 5-24	17202	NA	NA	1.42	1.09	0.63	NA	8.17	364	10.2	NA	1025	10.1	38.9	2.2	4.87	9.77	3.58	<MDL	
4/28/17	Trip Blank		17203	NA	NA	NA	NA	0.26	0.02	1.45	2.28	5.7	NA	<MDL	<MDL	20.3		1.20	2.17	43.8	<MDL	
4/28/17	Gutter 1	Grab	17204	NA	NA	NA	NA	0.12	0.17	11.6	85.9	8.1	NA	<MDL	<MDL	2.67	1.56	5.10	30.9	<MDL	<MDL	
4/28/17	Gutter 1	Grab	17205	NA	NA	NA	NA	0.11	0.18	5.60	89.1	7.6	NA	<MDL	0.11	12.9	1.77	12.5	26.8	<MDL	<MDL	
4/28/17	Well 1	Grab	17206	NA	NA	NA	NA	0.31	0.05	8.24	657	7.6	NA	<MDL	1.57	48.1	11.9	22.8	17.4	4.81	<MDL	
4/28/17	Well 1	Grab	17207	NA	NA	NA	NA	0.28	0.03	15.9	723	7.8	NA	<MDL	1.49	84.3	15.9	26.7	21.6	5.12	<MDL	
4/28/17	Gutter 2	Botl 1	17208	NA	NA	NA	NA	0.20	0.14	NA	77.0	7.3	NA	<MDL	0.73	9.45	2.92	21.7	29.4	<MDL	<MDL	
4/28/17	Gutter 2	Botl 2	17209	NA	NA	NA	NA	0.13	0.21	4.39	37.4	7.8	NA	<MDL	<MDL	0.26	3.8	11.0	<MDL	<MDL		
4/28/17	Well 2	Grab	17210	NA	NA	NA	NA	0.44	0.03	6.03	410	10.8	NA	957	13.9	16.9	1.25	10.3	12.3	1.84	<MDL	
4/28/17	Well 2	Grab	17211	NA	NA	NA	NA	0.48	0.05	11.8	374	10.5	NA	601	8.99	<MDL	2.06	7.4	14.7	1.22	<MDL	
5/18/17	Gutter 1	Botl 1	17379	27.4	NA	0.86	0.22	0.10	0.06	119	257	7.1	NA	<MDL	2.35	55.9	42.9	50.4	254	1.80	0.34	
5/18/17	Gutter 1	Botl 2	17380	32.0	3.34	0.99	0.54	0.05	0.02	121	276	7.0	NA	<MDL	2.19	53.2	10.8	47.5	113	1.36	<MDL	
5/18/17	Gutter 1	Botl 3	17381	34.7	3.43	2.72	0.25	0.03	0.03	119	266	6.7	NA	<MDL	2.49	44.1	10.6	43.6	79.1	1.71	0.19	
5/18/17	Gutter 1	Botl 4	17382	31.8	3.51	0.22	<MDL	0.03	0.23	267	6.9	NA	<MDL	1.83	25.4	8.16	30.2	56.7	0.82	<MDL		
5/18/17	Well 1	Grab	17383	1.29	1.13	0.13	0.04	0.34	0.09	13.5	436	7.6	NA	8.76	1.98	83.4	17.6	31.5	20.0	5.90	<MDL	
5/18/17	Well 1	Grab	17384	1.01	1.14	0.14	0.04	0.49	0.11	44.2	511	7.1	NA	<MDL	1.44	6.95	20.0	41.3	43.4	2.52	<MDL	
5/18/17	Gutter 2	Botl 1	17385	NA	3.44	NA	1.11	<MDL	<MDL	59.8	213	6.2	NA	<MDL	2.16	77.2	8.76	49.6	134	0.78	<MDL	
5/18/17	Gutter 2	Botl 2	17386	19.5	2.57	1.37	0.89	<MDL	0.02	44.6	166	6.4	NA	<MDL	1.47	55.9	8.46	49.4	84.5	0.87	<MDL	
5/18/17	Gutter 2	Botl 3	17387	13.3	1.83	0.73	0.68	0.23	<MDL	35.4	133	6.3	NA	<MDL	0.44	26.6	4.12	24.3	52.9	0.23	<MDL	
5/18/17	Gutter 2	Botl 4	17388	10.4	1.54	0.64	0.50	<MDL	0.04	30.2	103	6.4	NA	<MDL	0.62	27.8	4.37	26.1	42.7	<MDL	0.52	
5/18/17	Gutter 2	Botl 5	17389	1.77	1.39	0.51	0.42	<MDL	<MDL	23.7	83	6.4	NA	<MDL	<MDL	8.60	1.73	11.5	24.6	<MDL	<MDL	
5/18/17	Gutter 2	Botl 6	17390	1.72	0.87	0.44	0.32	<MDL	<MDL	19.6	74.7	6.3	NA	<MDL	0.16	21.2	3.35	21.8	36.9	<MDL	0.62	
5/18/17	Well 2	Grab	17391	1.38	1.31	0.18	0.06															

## Bioswale and Roof Drain Systems, USU Campus, Logan, Utah

Date	Sample Name	Bottle #	UWRL Log #	TN mg/L	TDN mg/L	TP mg/L	TDP mg/L	NO3-N mg/L	NH3-N mg/L	DOC mg/L	EC μS/cm	pH	TSS mg/L	VSS mg/L	Al μg/L	Cr μg/L	Fe μg/L	Ni μg/L	Cu μg/L	Zn μg/L	As μg/L	Cd μg/L	Pb μg/L
			MDL	0.12	0.123	0.035	0.017	0.03	0.017	0.8			0.67	0.67	4	0.05	7	0.4	0.8	2.5	0.2	0.15	0.35
6/13/17	Early Ed Gutter	Grab	17468	NA	NA	NA	NA	NA	NA	NA	2.16	7.5	NA	NA	23.3	9.91	146	24.7	93.0	83.2	4.65	0.15	0.37
6/13/17	Early Ed 4 ft Well	Bottle 1	17469	NA	NA	NA	NA	NA	NA	NA	587	7.7	NA	NA	30.2	2.18	46.7	4.12	11.2	24.6	1.09	0.23	<MDL
6/13/17	Early Ed 4 ft Well	Bottle 2-5	17470	NA	NA	NA	NA	NA	NA	NA	518	7.5	NA	NA	27.6	3.26	46.4	5.24	13.2	23.6	1.72	<MDL	<MDL
6/13/17	Early Ed 4 ft Well	Bottle 6-9	17471	NA	NA	NA	NA	NA	NA	NA	332	7.7	NA	NA	53.5	2.01	56.8	4.07	10.9	32.2	1.47	<MDL	<MDL
6/13/17	Early Ed 4 ft Well	Bottle 10-13	17472	NA	NA	NA	NA	NA	NA	NA	142	7.8	NA	NA	70.1	1.76	59.3	2.92	4.95	38.2	0.98	<MDL	<MDL
6/13/17	Early Ed 4 ft Well	Bottle 14-17	17473	NA	NA	NA	NA	NA	NA	NA	160	7.9	NA	NA	100	1.25	80.0	3.43	4.75	29.0	1.37	<MDL	0.49
6/13/17	Early Ed 4 ft Well	Bottle 18-21	17474	NA	NA	NA	NA	NA	NA	NA	174	7.8	NA	NA	98.0	1.22	82.0	2.93	5.15	26.0	1.66	<MDL	<MDL
6/13/17	Early Ed 4 ft Well	Bottle 22-24	17475	NA	NA	NA	NA	NA	NA	NA	183	7.9	NA	NA	94.1	1.40	78.2	3.98	5.59	21.0	2.05	1.04	<MDL
6/13/17	Early Ed 4 ft Well	Grab	17476	NA	NA	NA	NA	NA	NA	NA	78.0	8.0	NA	NA	94.8	0.98	63.3	2.01	2.45	23.0	0.33	<MDL	<MDL
6/13/17	Early Ed 6 ft Well	Grab	17477	NA	NA	NA	NA	NA	NA	NA	89.4	7.9	NA	NA	125	1.22	89.3	2.93	33.5	20.2	0.59	<MDL	<MDL
6/13/17	Early Ed Gutter	Grab	17478	NA	NA	NA	NA	NA	NA	NA	66.1	7.8	NA	NA	45.6	1.09	32.0	2.27	4.19	24.4	0.37	<MDL	<MDL
6/13/17	Early Ed 4 ft Well	Grab	17479	NA	NA	NA	NA	NA	NA	NA	17.1	7.4	NA	NA	54.5	0.13	15.8	1.60	6.29	22.7	<MDL	<MDL	
6/13/17	Early Ed 6 ft Well	Grab	17480	NA	NA	NA	NA	NA	NA	NA	219	7.9	NA	NA	140	0.26	69.3	3.25	15.7	13.4	0.51	<MDL	<MDL
6/15/17	Early Ed 6 ft Well	Grab	17483	NA	NA	NA	NA	NA	NA	NA	74.5	7.8	NA	NA	197	0.18	59.5	0.85	5.59	4.87	0.28	<MDL	<MDL
6/15/17	Early Ed 4 ft Well	Bottle 1-4	17484	NA	NA	NA	NA	NA	NA	NA	54.8	7.9	NA	NA	83.4	1.36	55.3	1.07	2.90	10.6	0.40	<MDL	<MDL
6/15/17	Early Ed 4 ft Well	Bottle 5-8	17485	NA	NA	NA	NA	NA	NA	NA	67.6	7.7	NA	NA	97.8	2.01	54.2	1.14	3.14	11.2	0.46	<MDL	<MDL
6/15/17	Early Ed 4 ft Well	Bottle 9-13	17486	NA	NA	NA	NA	NA	NA	NA	95.5	8.0	NA	NA	122	1.62	86.5	1.21	3.05	10.4	0.88	<MDL	<MDL
6/15/17	Early Ed Gutter	Grab	17487	NA	NA	NA	NA	NA	NA	NA	163	8.0	NA	NA	77.0	2.86	60.0	3.51	12.9	22.7	0.83	<MDL	<MDL
8/8/17	Metal Roof	Composite	17643	NA	NA	NA	NA	2.97	0.77	NA	234	8.3	NA	NA	17.1	1.45	16.3	0.63	6.36	11.3	1.33	<MDL	<MDL
8/8/17	PV Cell	Composite	17644	NA	NA	NA	NA	1.98	0.49	NA	225	8.9	NA	NA	51.2	0.53	14.8	1.15	5.08	10.5	0.99	<MDL	<MDL
9/15/17	Early Ed Gutter	Grab	17668	2.78	2.18	0.75	0.58	0.57	0.13	46.6	196	7.2	NA	NA	87.1	2.32	79.0	7.14	12.58	24.6	1.45	<MDL	<MDL
9/15/17	Early Ed Gutter	Grab	17669	2.57	1.98	0.75	0.61	0.30	0.23	62.9	196	7.0	NA	NA	117	2.68	93.7	12.6	12.33	29.2	1.34	<MDL	<MDL
9/15/17	Early Ed 4 ft Well	Grab	17670	2.44	1.56	0.95	0.37	0.54	0.08	NA	179	6.6	NA	NA	59.2	0.62	66.3	25.6	1.94	32.5	0.58	<MDL	<MDL
9/15/17	Early Ed 6 ft Well	Grab	17671	2.24	1.25	0.81	0.38	0.53	<MDL	NA	156	6.9	NA	NA	67.7	1.52	109	142	2.07	30.2	1.22	<MDL	<MDL
9/15/17	Early Ed 6 ft Well	Grab	17672	6.75	5.70	0.29	0.11	0.71	2.73	NA	326	6.6	NA	NA	1,262	12.9	710	43.4	34.2	54.4	1.03	<MDL	1.65
9/15/17	Engr Roof	Bottle 1	17673	5.03	4.52	0.66	0.39	3.84	12.9	<MDL	544	6.0	NA	NA	9,136	3.13	745	41.7	430	607	3.00	1.22	34.25
9/15/17	Engr Roof	Bottle 2	17674	6.76	5.98	1.09	0.96	4.17	17.0	NA	643	5.1	NA	NA	13,212	3.87	900	50.8	505	575	4.62	1.60	54.80
9/15/17	Engr Roof	Bottle 3-6	17675	16.8	3.10	0.75	0.59	1.84	11.9	NA	405	5.3	NA	NA	6,896	2.43	470	65.6	331	238	2.73	0.77	27.18
9/15/17	Engr Roof	Bottle 7-10	17676	4.07	6.99	0.53	0.46	3.18	10.8	<MDL	352	5.9	NA	NA	5,640	2.46	434	33.9	297	203	2.45	0.62	21.99
9/15/17	Engr Roof	Bottle 11-14	17677	3.64	3.38	0.41	0.32	2.15	10.4	<MDL	386	6.0	NA	NA	4,811	2.32	434	36.8	275	218	2.62	0.59	22.73
9/15/17	Engr Roof	Bottle 15-17	17678	3.39	3.25	0.39	0.30	3.13	10.8	NA	376	6.3	NA	NA	4,807	2.79	457	99.3	283	230	2.39	0.62	23.67
9/15/17	Engr Roof	Bottle 18-24	17679	10.7	12.8	0.27	0.20	1.98	6.62	NA	238	6.1	NA	NA	2,437	1.38	222	45.0	165	128	1.72	0.39	8.91
9/19/17	Engr Roof	Bottle 1	17683	11.2	9.69	0.17	0.03	2.56	3.99	NA	186	6.1	NA	NA	1,121	0.74	145	7.85	89.4	111	1.34	0.22	6.80
9/19/17	Engr Roof	Bottle 2	17684	7.46	6.82	0.10	0.08	1.84	3.27	57.7	121	6.3	NA	NA	373	0.28	50.3	5.92	34.7	33.0	0.91	<MDL	1.43
9/19/17	Engr Roof	Bottle 3-7	17685	5.78	5.63	0.09	0.09	1.77	2.71	25.0	92.6	6.3	NA	NA	152	0.30	30.8	3.86	20.0	23.4	0.91	<MDL	1.18
9/19/17	Engr Roof	Bottle 8-12	17686	3.81	3.65	0.05	0.05	1.15	1.49	12.8	60.9	6.7	NA	NA	66.0	0.26	24.6	4.86	10.7	16.6	0.66	<MDL	<MDL
9/19/17	Engr Roof	Bottle 13-17	17687	1.51	1.42	0.04	0.03	0.31	0.69	6.34	24.2	6.4	NA	NA	31.9	0.15	14.0	2.04	4.76	9.53	0.42	<MDL	<MDL
9/19/17	Engr Roof	Bottle 18-24	17688	5.50	1.60	0.04	0.04	0.34	0.72	6.94	26	6.4	NA	NA	35.1	0.12	13.3	4.69	6.10	15.3	0.40	<MDL	<MDL
9/19/17	Engr 6' Dry Well	Bottle 1-2	17689	5.80	4.85	0.09	0.03	1.73	1.49	45.1	168	6.5	NA	NA	207	0.98	104	7.08	22.4	21.5	1.04	<MDL	<MDL
9/19/17	Engr 6' Dry Well	Bottle 3-7	17690	4.15	5.35	0.05	0.04	2.24	2.08	21.9	121	6.6	NA	NA	119	0.34	32.4	3.22	17.3	10.0	0.91	<MDL	<MDL
9/19/17	Engr 6' Dry Well	Bottle 8-12	17691	4.18	3.53	0.06	0.07	1.83	1.36	13.1	93.5	6.7	NA	NA	75.1	0.29	37.1	3.23	12.1	6.4	0.63	<MDL	<MDL
9/19/17	Engr 6' Dry Well	Bottle 13-17	17692	1.70	1.65	0.05	0.02	0.60	0.61	7.11	39.8	6.8	NA	NA	68.2	0.14	25.7	1.34	11.5	10.9	0.36	<MDL	<MDL
9/19/17	Engr 6' Dry Well	Bottle 18-24	17693	1.82	2.52	0.10	0.06	0.69	0.57	6.78	46.9	6.9	NA	NA	84.1	1.11	38.7	2.25	6.48	6.29	0.38	<MDL	<MDL
9/19/17	Engr 6' Dry Well	Grab	17694	2.33	1.79	0.09	-0.04	1.67	0.11	10.4	83.4	6.8	NA	NA	107	0.21	44.7	2.18	7.58	5.73	0.41	<MDL	<MDL
9/19/17	Early Ed Gutter	Grab	17695	2.59	1.83	0.32	0.25	0.66	0.28	25.3	144	6.8	NA	NA	111	2.37	81.8	3.01	6.82	28.5	0.71	<MDL	<MDL
9/19/17	Early Ed Gutter	Grab	17696	2.65	1.82	0.48	0.29	0.68	0.28	25.0	160	7.0	NA	NA	107	2.42	97.7	4.47	7.85	22.3	0.70	<MDL	<MDL
9/19/17	Early Ed 6 ft Well	Grab	17697	0.58	0.61	0.24	0.18	0.13	0.09	13.4	81.1	7.4	NA	NA	118	0.94	115	73.47	4.99	33.5	0.85	<MDL	<MDL
9/22/17	Engr Roof	Bottle 1	17719	1.41	1.59	<MDL	<MDL	0.94	0.05	30.6	39.4	6.5	NA	NA	90	31.9	308	10.9	20.9	219			

**Preliminary data for TSS/Turbidity correlation for the Jordan River outfall 1300 South site**

Date	Time (MT)	Sample Type	*TSS mg/L	**Turbidity NTU
11/21/2016	7:00:00 AM	Grab sample	45.3	71.26
11/21/2016	9:00:00 AM	Grab sample	46.7	91.6
11/21/2016	11:00:00 AM	Grab sample	17.3	51.04
11/21/2016	1:00:00 PM	Grab sample	10.0	41.28
11/21/2016	11:00:00 PM	Grab sample	34.7	28.49
11/22/2016	5:00:00 AM	Grab sample	35.3	93.8
11/22/2016	7:00:00 AM	Grab sample	37.3	74.12
12/20/2016	10:50:00 AM	Grab sample	1.4	3.64
2/9/17	10:35:00	Autosampler	5.2	5.19
02/23/2017	11:00:00	Autosampler	41.3	48.12
03/23/2017	11:45:00	Autosampler	165.2	248.8
03/24/2017	15:15:00	Autosampler	50.4	59.27
03/24/2017	16:45:00	Autosampler	65.2	76.59
03/24/2017	18:15:00	Autosampler	48.0	61.85
03/24/2017	19:45:00	Autosampler	45.2	54.34
03/25/2017	10:30:00	Autosampler	58.4	54.24
03/25/2017	12:00:00	Autosampler	108.4	98.5
03/25/2017	13:30:00	Autosampler	114.7	119.4
03/25/2017	15:00:00	Autosampler	116.3	129.7
03/25/2017	16:30:00	Autosampler	80.0	99.2
03/25/2017	18:00:00	Autosampler	64.7	81.6
03/25/2017	19:30:00	Autosampler	52.1	65.37
03/25/2017	21:00:00	Autosampler	45.3	53.13
03/27/2017	11:15:00	Autosampler	45.8	50.35
03/27/2017	12:45:00	Autosampler	98.4	88.3
03/27/2017	14:15:00	Autosampler	79.7	108.8
03/27/2017	15:45:00	Autosampler	100.0	143.2
03/27/2017	17:15:00	Autosampler	80.7	105.9
03/27/2017	18:45:00	Autosampler	57.4	83.6
03/27/2017	20:15:00	Autosampler	45.5	64.49
03/27/2017	21:45:00	Autosampler	28.6	50.49
4/1/17	10:35:00	Autosampler	15.2	15.94
4/2/17	16:15:00	Autosampler	4.72	52.54
4/2/17	16:45:00	Autosampler	47.6	57.85
4/2/17	18:15:00	Autosampler	31.6	51.46
4/8/17	8:00	Autosampler	71.05	52.63
4/8/17	9:30	Autosampler	70.68	60.39
4/8/17	11:00	Autosampler	53.68	55.63
4/8/17	12:30	Autosampler	42.11	59.97
4/8/17	14:00	Autosampler	36.46	56.59
4/8/17	20:00	Autosampler	43.16	55.22
4/8/17	21:00	Autosampler	57.81	55.06
4/8/17	22:30	Autosampler	41.58	56.74
4/9/17	0:00	Autosampler	55.73	73.44
4/9/17	1:30	Autosampler	43.75	59.02
4/9/17	2:45	Autosampler	36.32	50.45
4/10/17	23:15	Autosampler	120.3	104
04/18/2017	18:15	Autosampler	100.00	64.74
04/18/2017	19:45	Autosampler	188.02	134.6
04/18/2017	21:15	Autosampler	151.32	130.6
04/18/2017	22:45	Autosampler	176.32	164.5
04/19/2017	0:15	Autosampler	114.29	155.5
04/19/2017	1:45	Autosampler	92.67	124.9
04/19/2017	3:15	Autosampler	74.67	89.6
04/19/2017	4:45	Autosampler	54.30	73.54
04/19/2017	6:15	Autosampler	38.80	51.86
04/24/2017	17:00	Autosampler	10.53	53.86
04/24/2017	18:00	Autosampler	19.46	63.92
04/24/2017	19:30	Autosampler	14.67	57.04
04/24/2017	21:00	Autosampler	18.18	51.22
04/24/2017	23:15	Autosampler	25.6	54.17
4/25/2017	0:45	Autosampler	37.2	60.58
4/25/2017	2:15	Autosampler	40.8	73.37
4/25/2017	3:45	Autosampler	35.6	77.06
4/25/2017	5:15	Autosampler	29.2	50.4
4/25/2017	6:45	Autosampler	31.6	60.05
4/25/2017	8:15	Autosampler	82	105.2
4/25/2017	9:45	Autosampler	85.2	114.9
4/25/2017	11:15	Autosampler	78	141
4/25/2017	12:45	Autosampler	70.8	132.8
4/25/2017	14:15	Autosampler	63.2	118
4/25/2017	15:45	Autosampler	40.4	93.2
4/25/2017	17:15	Autosampler	52.8	90.6
4/25/2017	18:45	Autosampler	43.2	80.2
4/25/2017	20:15	Autosampler	45.6	81.4
4/25/2017	21:45	Autosampler	32.4	61.65
4/25/2017	23:15	Autosampler	27.6	51.06
4/27/2017	1:00	Autosampler	58	60.62
4/27/2017	2:30	Autosampler	218.8	353.7
4/27/2017	4:00	Autosampler	101.6	220.1
5/10/17	0:30	Autosampler	66.5	188.1
5/10/17	1:15	Autosampler	37.9	75.8
5/10/17	2:15	Autosampler	12.6	591.8
5/10/17	3:45	Autosampler	13.1	839
5/10/17	5:00	Autosampler	6.8	495.9
5/10/17	6:30	Autosampler	11.5	561.7
7/14/17	16:45	Autosampler	30.2	109
7/26/17	3:45	Autosampler	1578.7	1225
7/26/17	5:15	Autosampler	792.3	843
7/26/17	6:45	Autosampler	414.6	596.7
7/26/17	8:15	Autosampler	318.9	461.7
7/26/17	9:45	Autosampler	250.0	414.8
7/26/17	11:15	Autosampler	157.1	267.1
7/26/17	12:45	Autosampler	62.4	115.7
7/26/17	21:15	Autosampler	273.2	257.6
7/26/17	22:45	Autosampler	230.3	179.9
7/27/17	0:15	Autosampler	151.8	205.4
7/27/17	3:45	Autosampler	25.3	112
7/31/17	15:30:00	Autosampler	174.8	320.8
7/31/17	17:30:00	Autosampler	101.2	104.7
8/5/17	11:45:00	Autosampler	63.1	196.7
8/13/17	15:00:00	Autosampler	76.8	115.8
8/13/17	16:30:00	Autosampler	194.0	203.5
09/23/2017	21:45	Autosampler	96.1	103
09/30/2017	11:00	Autosampler	83.7	387.3

\*For TSS analysis, equipment blanks were done at the beginning of the every run and every 10 samples. All the blanks pass QA/QC. No contamination was observed

\*\* Turbidity data were obtained from the iUTAH monitoring station located at the outfall of the pipe. The complete dataset can be found in <http://data.iutahepscor.org/tsa/>