

ER/RRES-WQH	DATE RECEIVED	EDD sent	Hard sent	aired analy	SAMPLE ID	Location	Date/Time	gallons	DATE ICPOES Cat	Al(ppm)	stdev (Al)	B(ppm)	stdev (B)	Ba(ppm)	stdev (Ba)	Ca(ppm)	stdev (Ca)	Fe(ppm)	stdev (Fe)	K(ppm)	stdev (K)	Li(ppm)	stdev (Li)	Mg(ppm)	stdev (Mg)	Mn(ppm)	stdev (Mn)	Na(ppm)	stdev (Na)	Si(ppm)	stdev (Si)	SiO2(ppm calc)	stdev (SiO2)	Sr(ppm)	stdev (Sr)	Ti(ppm)
2017-2555	28-Aug-17	31-Oct-17	31-Oct-17	32	TRR-42-17-142411	R-42	8/24/2017 10:15		8/31/2017	0		0		0.089901	0.00166	29.30962	0.158317	1.32351	0.017933	0		0		11.0974	0.105113	0.016584	0.004052	4962.505	23.17031	31.7028	0.091235	67.84398	0.195242	0.153265	3.04E-05	0
2017-2555	28-Aug-17	31-Oct-17	31-Oct-17	32	TRR-42-17-142412	R-42 makeup	8/24/2017 11:00		8/31/2017	0		0		0.089901	0.00166	29.30962	0.158317	1.32351	0.017933	0		0		11.0974	0.105113	0.016584	0.004052	4962.505	23.17031	31.7028	0.091235	67.84398	0.195242	0.153265	3.04E-05	0
2017-2555	28-Aug-17	31-Oct-17	31-Oct-17	32	TRR-42-17-142413	R-42	8/24/2017		8/31/2017	0		0		0.089901	0.00166	29.30962	0.158317	1.32351	0.017933	0		0		11.0974	0.105113	0.016584	0.004052	4962.505	23.17031	31.7028	0.091235	67.84398	0.195242	0.153265	3.04E-05	0
2017-2570	28-Aug-17	16-Jan-18	16-Jan-18	32	TRR-42-17-142414	R-42	8/24/2017		8/31/2017	0		0		0.089901	0.00166	29.30962	0.158317	1.32351	0.017933	0		0		11.0974	0.105113	0.016584	0.004052	4962.505	23.17031	31.7028	0.091235	67.84398	0.195242	0.153265	3.04E-05	0
2017-2570	28-Aug-17	16-Jan-18	16-Jan-18	32	TRR-42-17-142415	R-42	8/24/2017		8/31/2017	0		0		0.089901	0.00166	29.30962	0.158317	1.32351	0.017933	0		0		11.0974	0.105113	0.016584	0.004052	4962.505	23.17031	31.7028	0.091235	67.84398	0.195242	0.153265	3.04E-05	0
2017-2570	28-Aug-17	16-Jan-18	16-Jan-18	32	TRR-42-17-142416	R-42	8/24/2017		8/31/2017	0		0		0.089901	0.00166	29.30962	0.158317	1.32351	0.017933	0		0		11.0974	0.105113	0.016584	0.004052	4962.505	23.17031	31.7028	0.091235	67.84398	0.195242	0.153265	3.04E-05	0
2017-2570	28-Aug-17	16-Jan-18	16-Jan-18	32	TRR-42-17-142417	R-42	8/24/2017		8/31/2017	0		0		0.089901	0.00166	29.30962	0.158317	1.32351	0.017933	0		0		11.0974	0.105113	0.016584	0.004052	4962.505	23.17031	31.7028	0.091235	67.84398	0.195242	0.153265	3.04E-05	0
2017-2570	28-Aug-17	16-Jan-18	16-Jan-18	32	TRR-42-17-142418	R-42	8/24/2017		8/31/2017	0		0		0.089901	0.00166	29.30962	0.158317	1.32351	0.017933	0		0		11.0974	0.105113	0.016584	0.004052	4962.505	23.17031	31.7028	0.091235	67.84398	0.195242	0.153265	3.04E-05	0
2017-2570	28-Aug-17	16-Jan-18	16-Jan-18	32	TRR-42-17-142419	R-42	8/24/2017		8/31/2017	0		0		0.089901	0.00166	29.30962	0.158317	1.32351	0.017933	0		0		11.0974	0.105113	0.016584	0.004052	4962.505	23.17031	31.7028	0.091235	67.84398	0.195242	0.153265	3.04E-05	0
2017-2570	28-Aug-17	16-Jan-18	16-Jan-18	32	TRR-42-17-142420	R-42	8/24/2017		8/31/2017	0		0		0.089901	0.00166	29.30962	0.158317	1.32351	0.017933	0		0														

2017-2685	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144239	R-42			9/3/2017 4:00	13780.8	9/25/2017	0	0	0	0.01188	0.000168	10.56493	0.015057	16.04924	0.064628	0	0.050373	0.000261	6.963446	0.010314	2.394755	0.009322	757.8444	1.282624	35.3611	0.171025	75.67275	0.365993	0.040982	0.000249	0.004169	
2017-2685	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144240	R-42			9/3/2017 6:00	14013.6	9/25/2017	0	0	0	0.014427	0.000321	11.01665	0.048752	17.34787	0.114024	0	0.052842	0.000697	7.093513	0.023379	2.440173	0.013985	759.9097	1.484982	36.10269	0.083655	77.25975	0.179021	0.041693	0.000174	0.004912	
2017-2685	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144241	R-42			9/3/2017 8:00	14246.4	9/25/2017	0	0	0	0.01152	0.000292	10.84513	0.010665	17.43421	0.006886	0	0.050282	0.000577	6.990249	0.029549	2.382477	0.012621	721.6987	1.814232	35.65961	0.126021	76.31158	0.269685	0.042018	0.000217	0.003917	
2017-2685	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144242	R-42			9/3/2017 10:00	14479.2	9/7/2017	0	0	0	0	0	10.55822	0.009954	12.61473	0.013965	1.193626	0.014192	0.042503	0.000581	6.574436	0.046981	2.253509	0.007176	678.7612	3.980836	33.03649	0.169453	70.69809	0.362629	0.038877	0.000104	0
2017-2685	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144243	R-42			9/3/2017 12:00	14712	9/25/2017	0	0	0	0	0	11.42069	0.016468	7.639359	0.006436	0	0.05265	0.000811	7.163756	0.046698	2.269871	0.002008	728.8057	0.13709	35.70037	0.137623	76.3988	0.294514	0.042566	0.000119	0.00361	
2017-2685	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144244	R-42			9/3/2017 14:00	14944.8	9/25/2017	0	0	0	0	0	11.52253	0.026356	4.914706	0.010588	1.148991	0.08954	0.054197	0.00039	7.301058	0.015912	2.207033	0.007452	701.6396	0.304466	35.05612	0.094553	75.0201	0.022043	0.042874	0.000221	0.003572
2017-2685	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144245	R-42			9/3/2017 16:00	15177.6	9/25/2017	0	0	0	0.014928	0.000858	11.7634	0.139565	4.158547	0.041008	0.618381	0.052124	0.052395	0.001012	7.374932	0.071245	2.147315	0.023482	686.9829	5.041833	34.97653	0.369435	74.84977	0.790591	0.043214	0.000815	0.002956
2017-2685	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144246	R-42			9/3/2017 18:00	15410.4	9/25/2017	0	0	0	0.012329	0.000328	12.53168	0.190084	3.620411	0.032896	0	0.051843	0.001486	7.41267	0.128805	2.09738	0.017466	721.6987	2.233809	34.65434	0.43124	74.16028	0.922853	0.044112	2.61E-05	0.002327	
2017-2685	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144247	R-42			9/3/2017 20:00	15643.2	9/25/2017	0	0	0	0.022183	0.000188	13.18134	0.047728	4.211837	0.035058	0	0.056003	0.001303	7.6961	0.063816	2.541329	0.023945	656.4863	9.494383	34.79604	0.219707	74.46352	0.470173	0.045991	0.000197	0.002913	
2017-2685	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144248	R-42			9/3/2017 22:00	15876	9/7/2017	0	0	0	0	0	12.2313	0.081291	5.366454	0.0548	1.245135	0.028547	0.044902	0.001533	6.996268	0.054557	2.454244	0.010435	605.3609	0.410496	33.11531	0.162902	70.86357	0.34861	0.043333	0.000533	0.002919
2017-2683	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144249	R-42			9/4/2017 0:00	16108.8	9/7/2017	0	0	0	0.012912	0.00033	12.43074	0.066753	7.197942	0.014362	1.146111	0.018599	0.046077	0.000564	6.974852	0.029385	2.474751	0.015718	595.9332	0.120623	33.53686	0.036296	71.76887	0.077673	0.043921	5.66E-05	0.004036
2017-2683	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144250	R-42			9/4/2017 2:00	16341.6	9/7/2017	0	0	0	0.015177	0.000735	12.5898	0.025061	9.146937	0.032831	1.086298	0.014856	0.044695	0.001244	6.889663	0.002287	2.43853	0.005406	568.6023	1.639095	33.07596	0.03563	70.78255	0.076248	0.044044	0.000115	0.00398
2017-2683	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144251	R-42			9/4/2017 4:00	16574.4	9/7/2017	0	0	0	0.016659	0.000329	12.8901	0.080466	10.92675	0.11393	1.054382	0.011601	0.04449	0.002279	7.010969	0.090923	2.45611	0.019479	565.0444	0.530945	32.98179	0.154174	70.58103	0.329932	0.044965	0.00047	0.00329
2017-2683	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144252	R-42			9/4/2017 6:00	16807.2	9/7/2017	0	0	0	0.015928	0.000239	13.2854	0.1019872	12.42812	0.01443	1.033732	0.028285	0.044615	0.001847	7.149492	0.007319	2.47705	0.006516	555.6126	9.714709	33.27202	0.12835	71.20213	0.27467	0.045693	0.000295	0.004842
2017-2683	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144253	R-42			9/4/2017 8:00	17040	9/7/2017	0	0	0	0.017449	0.000564	13.79877	0.025635	13.47494	0.053611	1.047908	0.019667	0.04591	0.000506	7.116589	0.043741	2.45009	0.036265	532.8206	6.105941	33.17262	0.313972	70.9894	0.6719	0.045751	0.000425	0.004449
2017-2683	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144254	R-42			9/4/2017 10:00	17272.8	9/7/2017	0	0	0	0.016416	0.000449	12.99039	0.062357	9.113804	0.014872	1.455688	0.015592	0.043856	0.001172	7.01998	0.054316	2.28536	0.003866	527.5837	0.541577	32.9294	0.110817	70.46891	0.237149	0.045225	2.52E-05	0.004282
2017-2683	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144255	R-42			9/4/2017 12:00	17505.6	9/7/2017	0	0	0	0.012496	0.00065	13.26329	0.047466	4.910944	0.016663	1.10706	0.017463	0.04356	0.001167	7.300699	0.050135	2.180101	0.007342	523.4201	1.227767	32.60513	0.130613	69.77498	0.279512	0.045521	0.000221	0.003792
2017-2683	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144256	R-42			9/4/2017 14:00	17738.4	9/7/2017	0	0	0	0.015284	0.000665	13.6257	0.122029	3.791749	0.01378	1.076137	0.033742	0.043055	0.000704	7.364655	0.049734	2.158407	0.015711	524.9448	1.62544	32.91846	0.040004	70.4455	0.008568	0.045526	0.000273	0.003514
2017-2683	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144257	R-42			9/4/2017 16:00	17971.2	9/7/2017	0		0	0.017285	5.19E-05	14.37595	0.052329	3.259408	0.005649	1.066925	0.038266	0.045857	0.000604	7.324355	0.014834	2.174451	0.018419	512.6675	8.923979	32.01256	0.047647	68.50689	0.011964	0.045871	0.000452	0.00237
2017-2683	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144258	R-42			9/4/2017 18:00	18204	9/7/2017	0	0	0	0.017787	0.000613	14.5543	0.11223	2.664851	0.023758	1.067687	0.0119	0.04416	0.001147	7.352386	0.021769	2.28152	0.01477	514.0622	1.917068	32.59322	0.19959	69.74949	0.427122	0.048407	0.000103	0
2017-2683	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144259	R-42			9/4/2017 20:00	18438.8	9/7/2017	0	0	0	0.015177	0.002696	14.90884	0.018993	3.70801	0.011324	1.06511	0.007683	0.041297	0.000272	7.332413	0.030155	2.452657	0.005585	465.8734	2.110802	31.11129	0.00994	66.57817	0.021271	0.04945	0.00046	0.002423
2017-2683	05-Sep-17	25-Oct-17	25-Oct-17	32	TRR-42-17-144260	R-42			9/4/2017 22:00	18669.6	9/7/2017	0	0	0	0.015018	0.000452	15.03462	0.030748	5.093449	0.006939	0.952041	0.009419	0.039809	0.000263	7.410403	0.040457	2.579227	0.01942	60.3308	3.111603	30.89971	0.310999	66.12538	0.665538	0.04969	0.000362	0.003743
2017-2682	05-Sep-17	22-Dec-17	22-Dec-17	32	TRR-42-17-144261	R-42			9/5/2017 0:00	18902.4	9/7/2017	0	0	0	0.015736	0.002344	15.70542	0.059685	6.846781	0.017706	1.132122	0.005306	0.041491	0.000247	7.606228	0.027361	2.672269	0.012806	454.3575	2.555583	32.59631	0.074988	69.75611	0.160474	0.051062	0.000122	0.002247
2017-2682	05-Sep-17	22-Dec-17	22-Dec-17	32	TRR-42-17-144262	R-42			9/5/2017 2:00	19135.2	9/7/2017	0		0	0.01713	0.000795	15.99199	0.068002	8.594569	0.009384	1.01062	0.024037	0.04073	5.13E-06	7.699313	0.036862	2.706353	0.02965	455.0195	2.577314	32.78482	0.04026	70.15952	0.086156	0.052692	4.22E-06	0.004017
2017-2682	05-Sep-17	22-Dec-17	22-Dec-17	32	TRR-42-17-144263	R-42			9/5/2017 4:00	19368	9/7/2017	0	0	0	0.017428	0.001296	16.35066	0.248063	10.37012	0.120077	1.039634	0.072311	0.038618	0.001264	7.935925	0.112146	2.731131	0.030602	463.4153	7.684357	32.79368	0.406619	70.17847	0.870164	0.055758	0.000827	0.003784
2017-2682	05-Sep-17	22-Dec-17	22-Dec-17	32	TRR-42-17-144264	R-42			9/5/2017 6:00	19600.8	9/25/2017	0	0	0	0.014168	0.000767	17.16942	0.061436	13.04752	0.147015	0.60187	0.018909	0.046466	0.00149	8.494401	0.03968	2.723764	0.01518	491.9501	1.308425	34.01807	0.200275	72.79866	0.428588	0.0606	1.42E-05	0.002444
2017-2682	05-Sep-17	22-Dec-17	22-Dec-17	32	TRR-42-17-144265	R-42			9/5/2017 8:00	19833.6	9/25/2017	0	0	0	0.015659	0.000803	18.2031	0.073351	13.35513	0.045671	0	0.051463	0.00509	8.814646	0.040752	2.837713	0.002509	495.5985	6.385248	34.67912	0.453618	74.21331	0.970742	0.063029	0.000285	0.003273	
2017-2704	06-Sep-17	12-Oct-17	12-Oct-17	32	TRR-42-17-144266	R-42			9/5/2017 10:00	20066.4	9/28/2017	0	0	0	0.031537	0.000196	17.91043	0.01794	7.990175	0.039914	0	0.038614	0.000749	8.695552	0.000844	2.626525	0.006825	459.8517	3.830138	33.19121	0.011153	71.02918					

2017-2894	25-Sep-17	26-Oct-17	26-Oct-17	32	TRR-42-17-144338	R-42		9/25/2017 9:00	66510	10/11/2017	0	0	0.04897	6.62E-05	41.7657	0.129243	24.36306	0.007276	0.950728	0.077477	0.043627	0.004608	16.57522	0.163037	4.139851	0.013208	171.7441	0.574802	31.88928	0.184576	68.24306	0.394993	0.150497	7.21E-05	0
2017-2905	26-Sep-17	31-Oct-17	31-Oct-17	32	TRR-42-17-144339	R-42		9/25/2017 16:00	67324.8	10/11/2017	0	0	0.046949	0.000572	44.92591	0.077559	24.98459	0.066402	1.326355	0.053588	0.048561	0.00038	17.86909	0.03111	4.364277	0.017611	112.7455	0.532647	31.11138	0.0118	66.57835	0.025251	0.16446	0.001376	0
2017-2905	26-Sep-17	31-Oct-17	31-Oct-17	32	TRR-42-17-144340	R-42		9/26/2017 9:20	67476.12	10/11/2017	0	0	0.045532	0.001213	41.73125	0.423915	23.1031	0.320981	0.735138	0.01427	0.045877	0.001063	16.17409	0.199024	4.089001	0.032349	141.8054	0.10587	30.88433	0.119509	66.09247	0.25575	0.150855	0.001482	0
2017-2919	27-Sep-17	31-Oct-17	31-Oct-17	32	TRR-42-17-144341	R-42		9/26/2017 16:00	68252.12	10/11/2017	0	0	0.045788	0.000369	45.4001	0.32085	24.25823	0.158198	0.604712	0.017856	0.045372	0.003702	17.61181	0.062261	4.316614	0.004034	109.0891	0.883842	30.55614	0.176348	65.39014	0.377386	0.166179	0.000449	0
2017-2919	27-Sep-17	31-Oct-17	31-Oct-17	32	TRR-42-17-144342	R-42		9/27/2017 9:00	68368.52	10/11/2017	0	0	0.048756	8.77E-05	42.52139	0.374963	23.648	0.146817	0		0.043402	0.000557	16.08636	0.058075	4.134379	0.019375	143.0609	3.024666	31.11066	0.069874	66.57681	0.149531	0.152812	7.9E-05	0
2017-2951	28-Sep-17	31-Oct-17	31-Oct-17	32	TRR-42-17-144343	R-42		9/28/2017 9:00	69299.72	10/11/2017	0	0	0.049512	9.89E-05	46.94574	0.381801	24.18074	0.197233	0		0.044913	0.000545	17.63692	0.105896	4.361882	0.007988	107.124	1.665285	30.55338	0.003906	65.38423	0.008358	0.166369	0.000386	0
2017-2951	28-Sep-17	31-Oct-17	31-Oct-17	32	TRR-42-17-144344	R-42		9/28/2017 9:00	69299.72	10/11/2017	0	0	0.047893	0.000275	43.72525	0.42619	23.83245	0.126085	0		0.04454	0.001048	16.85121	0.1010642	4.197809	0.00498	143.673	0.571697	30.85292	0.089391	66.02524	0.191296	0.156777	0.001873	0
2017-3005	02-Oct-17	31-Oct-17	31-Oct-17	32	TRR-42-17-144345	R-42		9/28/2017 16:00	70114.52	10/11/2017	0	0	0.051564	0.000622	47.74148	0.075815	24.39555	0.07733	1.059035	0.002674	0.046575	0.006936	17.84158	0.177821	4.409792	0.006335	107.0344	0.38746	30.91962	0.101448	66.16799	0.217099	0.170632	0.001017	0
2017-3005	02-Oct-17	31-Oct-17	31-Oct-17	32	TRR-42-17-144346	R-42		9/29/2017 9:00	70230.92	10/11/2017	0	0	0.050127	0.001139	44.48823	0.281134	23.32707	0.035279	0.564974	0.019877	0.048637	0.001396	16.65478	0.005579	4.189097	0.008211	124.3754	0.236498	31.02929	0.01393	66.40268	0.02981	0.159023	0.001099	0
2017-3005	02-Oct-17	31-Oct-17	31-Oct-17	32	TRR-42-17-144347	R-42		9/29/2017 14:30	70871.12	10/11/2017	0		0.052013	0.000441	46.93364	0.065119	24.10307	0.286694	0		0.045466	0.000613	17.64761	0.046638	4.349964	0.006879	106.7861	0.989347	30.47955	0.319777	65.22624	0.684324	0.168135	0.000744	0
2018-53	02-Oct-17	31-Oct-17	31-Oct-17	32	TRR-42-17-144348	R-42		10/2/2017 9:00	70987.52	10/11/2017	0	0	0.054173	0.000119	44.240562	0.184085	23.50137	0.015307	0		0.045522	0.000697	16.69331	0.122734	4.201398	0.021197	149.0583	0.167555	30.99727	0.010009	66.33416	0.021419	0.154798	4.07E-05	0
2018-101	03-Oct-17	26-Oct-17	26-Oct-17	32	TRR-42-17-144350	R-42		10/3/2017 9:00	71802.32	10/11/2017	0	0	0.048877	0.000477	46.81741	0.438462	24.0212	0.235783	0		0.044978	0.000652	17.89358	0.117803	4.421026	0.049104	112.0078	0.361976	30.73894	0.122543	65.78133	0.262242	0.168554	0.000932	0
2018-174	04-Oct-17	24-Jan-18	24-Jan-18	32	TRR-42-17-142429	R-42		10/3/2017 16:00	72617.12	10/11/2017	0	0	0.052715	0.000849	45.31553	0.051408	23.25815	0.020408	1.175471	0.048093	0.04634	0.001486	16.81267	0.048828	4.287257	0.018875	131.821	1.557386	30.77266	0.021118	65.85349	0.045193	0.16248	0.000526	0
2018-101	03-Oct-17	26-Oct-17	26-Oct-17	32	TRR-42-17-144349	R-42		10/3/2017 16:00	72617.12	10/11/2017	0	0	0.049214	0.000617	46.63807	0.067025	24.62766	0.134901	0		0.043217	0.001567	17.79918	0.11522	4.413646	0.035257	110.9493	0.666441	30.838	0.191113	65.99332	0.408981	0.167322	0.001394	0
2018-175	04-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-144351	R-42		10/3/2017 16:00	72617.12	10/11/2017	0	0	0.050816	0.000352	47.54054	0.50566	23.92579	0.107917	0		0.044537	0.002278	17.84896	0.036539	4.351709	0.02885	110.0812	0.475934	30.51872	0.183794	65.31006	0.393319	0.170852	0.000808	0
2018-221	05-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-142430	R-42		10/4/2017 16:00	73548.32	10/11/2017	0	0	0.052346	4.57E-05	47.47172	0.007291	23.71341	0.067762	0		0.040613	0.002665	17.64622	0.129673	4.347953	0.039764	107.9004	0.914127	30.28051	0.012569	64.80029	0.026899	0.172379	0.000385	0
2018-221	05-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-142431	R-42		10/5/2017 9:00	73664.72	10/11/2017	0	0	0.052155	0.000914	48.13301	0.63872	23.70446	0.018554	0		0.046392	0.001682	17.98301	0.029985	4.427273	0.01559	107.8662	0.12501	30.56353	0.077811	65.40596	0.061689	0.173205	6.43E-05	0
2018-302	10-Oct-17	24-Jan-18	24-Jan-18	32	TRR-42-17-142434	R-42		10/10/2017 9:45	73781.12	10/12/2017	0	0	0.063995	0.000602	44.80019	0.232922	16.31335	0.125579	1.878465	0.031791	0.03878	0.001697	17.67184	0.039257	4.00391	0.006672	83.08299	0.611128	28.38475	0.013284	60.74336	0.028429	0.167614	0.000262	0
2018-370	11-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-142435	R-42		10/10/2017 16:00	74508.62	10/12/2017	0	0	0.060322	0.000445	41.96004	0.090967	22.99336	0.054808	0.061982	0.019824	0.039182	0.002474	17.0667	0.182658	4.445864	0.008949	126.511	0.310013	30.70088	0.095228	64.35167	0.203787	0.169328	0.002544	0
2018-370	11-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-142436	R-42		10/11/2017 9:00	74625.02	10/12/2017	0	0	0.062017	0.000521	42.63635	0.420979	22.48376	0.075785	0.947939	0.016207	0.040396	0.00222	17.30879	0.124843	4.149992	0.022819	123.9459	0.526113	29.56658	0.002705	63.27248	0.005789	0.165763	0.001066	0
2018-424	12-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-142437	R-42		10/11/2017 16:00	75439.82	10/18/2017	0	0	0.042231	0.000914	46.70346	0.11478	24.23745	0.022132	5.179436	0.062443	0.03767	0.00199	17.78868	0.023628	4.389362	0.026378	118.3067	0.525689	31.11419	0.012657	66.58436	0.027087	0.174234	0.000747	0
2018-424	12-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-142438	R-42		10/12/2017 9:00	75556.22	10/18/2017	0	0	0.044257	0.000175	45.44522	0.618574	22.35315	0.21194	2.219117	0.004984	0.033946	0.001578	16.94756	0.085494	4.251238	0.005811	125.9509	0.909888	30.98116	0.159344	66.9967	0.340997	0.163935	0.001125	0
2018-463	16-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-142439	R-42		10/12/2017 16:00	76371.02	10/18/2017	0	0	0.049845	0.000523	47.36724	0.156787	25.64545	0.018242	0.2089325	0.063696	0.038428	0.003163	17.76321	0.037295	4.383416	0.01048	115.6991	0.738605	30.87114	0.157151	66.06425	0.336303	0.176478	0.000651	0
2018-463	16-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-142440	R-42		10/13/2017 14:45	76487.42	10/23/2017	0	0	0.062708	0.000413	47.03964	0.259335	3.758843	0.057411	2.146571	0.020227	0.03913	0.00048	17.36528	0.224262	4.418723	0.037193	116.5738	0.467185	29.79477	0.512435	63.76081	0.139661	0.179715	7.19E-05	0
2018-480	16-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-142441	R-42		10/16/2017 11:35	76517.42	10/23/2017	0	0	0.066998	0.000031	62.98802	0.008827	0.023964	3.99E-05	1.835315	0.01616	0.038523	0.000775	17.66448	0.020722	4.207649	0.011083	124.5639	0.804042	28.35776	0.026224	60.6586	0.056119	0.201362	0.000478	0
2018-491	17-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-142442	R-42		10/17/2017 9:30	76547.42	10/23/2017	0	0	0.078645	0.000279	60.52571	0.763489	0.011557	8.47E-05	1.594939	0.027274	0.037106	0.000906	17.39215	0.039265	3.910882	0.033261	139.7703	1.089512	23.99048	0.171378	51.33963	0.366748	0.187636	0.0003109	0
2018-504	18-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-142458	R-42		10/18/2017 9:55	76577.42	10/23/2017	0	0	0.092767	0.000279	66.31358	0.268879	0.013926	1.61E-05	1.821656	0.003481	0.039567	0.000042	18.05458	0.005303	3.929722	0.027603	122.5198	0.206087	25.84167	0.199132	55.30118	0.426141	0.202788	0.002566	0
2018-532	19-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-142459	R-42		10/19/2017 10:20	76607.42	10/23/2017	0	0	0.103212	7.01E-05	67.55128	0.585131	0.012148	2.18E-05	1.822853	0.009477	0.039251	0.000333	17.89076	0.07754	2.003547	0.013186	123.3833	0.545799	25.96213	0.085044	55.55896	0.181994	0.202504	0.001005	0
2018-542	20-Oct-17	30-Nov-17	30-Nov-17	32	TRR-42-17-142460	R-42		10/20/2017 9:45	76637.42	10/23/2017	0	0	0.089929	0.000433	68.18802	0.091141	0.005502	0.000																	

[illegible]

stdev (Ti)	Zn(ppm)	stdev (Zn)	Cr OES est. (ppm)	stdev (Cr)		Bromide	Oxalate	Chloride	Fluoride	Nitrite	Nitrate	Phosphate	Sulfite	Sulfate	DATE ICPMS2a	Ag(ppm)	stdev (Ag)	Al ICPMS (ppm)	stdev (Al)	As(ppm)	stdev (As)	Ba ICPMS (ppm)	stdev (Ba)	Be(ppm)	stdev (Be)	Cd(ppm)	stdev (Cd)	Co(ppm)	stdev (Co)	Cr (ppm)	stdev (Cr)	Cs(ppm)	stdev (Cs)	Cu(ppm)	stdev (Cu)	Li ICPMS (ppm)	stdev (Li)	ICPMS (ppm)	stdev (Mn)	Ni(ppm)	stdev (Ni)	Pb(ppm)	stdev (Pb)																										
0			0.775128	0.006421											10/30/2017	0.003364	0.000637	0.128329	0.005844	0.000731	0.000314	0.054854	0.000339	0			0.000531	0.000142	0.72113	0.020706	0.000497	4.48E-05	0.171822	0.001061	0.056275	0.001328	0.013323	0.000354	0.014836	0.000916	0.001525	8.28E-05																											
0.239041	0.000304		0.744874	0.00262											10/12/2017	0		0		0	0.049822	0.001134	0			0	0	0	0	0.658721	0.01766	0			0.038425	0.001414	0	0.013569	0.000138	0																													
0			0.808157	0.003565											10/30/2017	0.001994	0.000152	0.125692	0.004393	0.001276	0.000644	0.053262	0.00073	0		0	0.000564	3.1E-05	0.735164	0.031244	0.001003	0.000113	0.176713	0.008688	0.057884	0.001178	0.009967	0.000809	0.015017	0.000512	0.00083	9.87E-05																											
0			0.814107	0.030581											10/30/2017	0		0.129509	0.004535	0.001124	0.000217	0.055172	0.001348	0		0	0.000762	3.37E-05	0.758871	0.016084	0.000541	6.94E-05	0.174092	0.009771	0.057039	0.002694	0.006586	0.00039	0.013642	0.000691	0.000624	0.000115																											
0			0.798382	0.007498											10/30/2017	0		0.141848	0.010899	0.001734	0.000518	0.051245	0.000356	0		0	0.000384	5.44E-05	0.759609	0.008602	0.000515	3.5E-05	0.179721	0.011097	0.058738	0.003874	0.000548	0.000591	0.014398	0.000786	0.00044	5.81E-05																											
0			0.790796	0.017722											10/30/2017	0		0.154037	0.003436	0.002431	0.001059	0.050721	0.001157	0		0	0.000412	0.000184	0.738722	0.020433	0.000456	1.77E-05	0.173038	0.005168	0.055944	0.001838	0.0004524	0.000552	0.001387	0.000323	0.000396	0.000249																											
0			0.764782	0.008103											10/30/2017	0.001631	0.001898	0.147092	0.004036	0.000838	0.001094	0.051197	0.000795	0		0	0.000765	4.93E-05	0.758986	0.014026	0.000442	8.44E-05	0.177959	0.003507	0.057947	0.002341	0.004056	0.000438	0.015282	0.000898	0.000444	0.000141																											
0			0.793816	0.025877											10/30/2017	0		0.144248	0.003031	0.001294	0.001476	0.053187	0.000703	0		0	0.000527	0.000174	0.783254	0.010818	0.000471	6.87E-05	0.1952	0.007494	0.058544	0.001351	0.00494	0.000225	0.016143	0.000826	0.000428	6.91E-05																											
0			0.818117	0.02351											1/4/2018	0.014397	0.000918	0.178297	0.009744	0.00161	0.00033	0.057904	0.001161	0		0	0.000455	0.000226	0.724876	0.037991	0.003091	0.000476	0.01258	0.034642	0.001977	0.01301	0.001767	0.016204	0.001149	0																													
0			0.8013	0.041921											10/30/2017	0.005672	0.000416	0.13823	0.007615	0.001712	0.000954	0.052116	0.001294	0.000483	0.000379	0	0.000611	0.000203	0.763836	0.08003	0.000697	5.32E-05	0.175292	0.000884	0.057971	0.002823	0.005158	0.000628	0.014718	0.000449	0.000709	0.000177																											
0			0.797673	0.029352											10/30/2017	0.004343	0.000368	0.132723	0.000698	0.001063	0.052955	0.00113	0		0	0.000481	6.95E-05	0.768988	0.010485	0.000421	5.7E-05	0.194187	0.00792	0.059461	0.002893	0.005275	0.000299	0.014491	0.000705	0.000959	8.69E-05																												
0			0.799344	0.00994											10/30/2017	0.003761	0.00016	0.14192	0.003091	0.000548	0.000732	0.050406	0.000549	0		0.000436	4.48E-05	0.762758	0.024478	0.000418	4.07E-05	0.210146	0.004463	0.056438	0.000139	0.0004593	0.000165	0.014155	0.001396	0.000496	0.000144																												
0			0.814192	0.003905											10/30/2017	0.002567	0.00026	0.144045	0.006618	0.000799	0.000238	0.050748	0.001699	0		0.000449	0.000104	0.754781	0.009482	0.000426	7.77E-05	0.176249	0.004065	0.056733	0.0003783	0.004049	0.000571	0.013971	0.000537	0.000363	0.000122																												
0			0.782753	0.022992											10/30/2017	0.00315	0.000113	0.144608	0.004728	0.000916	0.000445	0.052919	0.000346	0		0.000567	0.000155	0.795277	0.017217	0.000489	4.63E-05	0.200276	0.005395	0.058651	0.001236	0.01197	0.000782	0.014299	0.000975	0.000718	0.000151																												
0.262119	0.000827		0.681114	0.196721											11/22/2017	0		0		0	0.054531	0.001472	0		0	0	0	0	0.712871	0.028086	0			0.182102	0.005605	0.041294	0.001816	0	0.014299	0.000975	0.000718	0.000151																											
0			0.798039	0.00533											10/12/2017	0		0		0	0.050087	0.001219	0		0	0	0	0	0.667208	0.011297	0			0.196487	0.01021	0.037355	0.000735	0.005096	0.000637	0.013126	0.001412	0																											
0.190123	0.007883		0.008041	0.003983											10/12/2017	0		0		0	0.026176	0.000398	0		0	0	0	0	0.033257	0.002284	0			0	0.02063	0.001112	0.035628	0.000564	0	0.013126	0.001412	0																											
0.687532	0.004059		0.125825	0.010075											10/12/2017	0		0		0.043705	0.006302	0.00056	0		0	0.0087933	0.000176	0.049456	0.001311	0		0.087933	0.006782	0.033473	1.355249	0.023446	0.025721	0.000302	0																														
1.122313	0.002051		0.498683	0.0042											11/27/2017	0		0		0.078683	0.003571	0.083239	0.00099	0		0	0.013748	0.00048	0.472637	0.01704	0		0.065456	0.005321	0.03823	0.000712	2.451098	0.088435	0.014929	0.000739	0																												
#####	0.328701	0.01762	0.155432	0.010636											11/27/2017	0		0.294499	0.030316	0.114096	0.008922	0.077692	0.00037	0		0.08381	0.009079	0.047638	0.003783	5.167991	0.065125	0		0.038064	0.001137	0.105099	0.005404	0	0.116194	0.00542	0.05288	0.001123	6.533459	0.111666	0.02006	0.001342	0																						
#####	0.378115	0.039699	0.137975	0.010347											11/27/2017	0.027763	0.003262	0.713023	0.070553	0.117617	0.007195	0.091741	0.00048	0		0.038064	0.001137	0.105099	0.005404	0		0.125608	0.007415	0.052698	0.002239	7.50178	0.41682	0.032874	0.000685	0																													
#####	0.336562	0.021856	0.144361	0.00769											11/27/2017	0.025754	0.002896	0.970705	0.080413	0.122139	0.004888	0.127929	0.002584	0		0.038363	9.49E-05	0.102605	0.001772	0		0.18627	0.00972	0.052093	0.002099	8.545284	0.196952	0.047315	0.000136	0																													
#####	0.706852	0.00917	0.349776	0.005124											11/27/2017	0.022531	0.002548	0.872607	0.090185	0.144272	0.010234	0.121195	0.005797	0		0.04979	0.000991	0.300756	0.01538	0		0.091952	0.002538	0.047637	0.003783	5.167991	0.065125	0	0.038064	0.001137	0.105099	0.005404	0	0.116194	0.00542	0.05288	0.001123	6.533459	0.111666	0.02006	0.001342	0																	
#####	0.475742	0.012926	0.290612	0.004043											11/27/2017	0.022639	0.002486	0.710606	0.024982	0.147134	0.007515	0.110957	0.00516	0		0.049195	0.002538	0.247451	0.002995	0		0.193921	0.016018	0.05447	0.002409	8.641543	0.399908	0.040738	0.003579	0																													
#####	0.353542	0.001606	0.164194	0.007852											11/27/2017	0		0.495788	0.040678	0.139962	0.004369	0.111815	0.001981	0		0.076102	0.000931	0.123377	0.004961	0		0.186929	0.010747	0.051088	0.001155	9.241341	0.211316	0.031993	0.000651	0																													
#####	0		0.09324	0.007431											10/12/2017	0		0		0.149399	0.012258	0.088433	0.00293	0		0.087001	0.006834	0.026912	0.003326	0		0.124522	0.007265	0.045069	0.002014	9.482522	0.502787	0.043186	0.001998	0																													
#####	0		0.069207	0.006578											11/27/2017	0		0.152432	0.011136	0.096433	0.002114	0		0	0.079915	0.016941	0.053059	0.002499	11.42149	0.722665	0.015734	0.005714	0		0.123348	0.002272	0.043248	0.002971	10.58342	0.146243	0.044891	0.000795	0																										
#####	0		0.062894	0.017353											10/12/2017	0		0		0.152681	0.002444	0.087328	0.000456	0		0.104102	0.002776	0.019513	0.000501	0		0.170285	0.009353	0.043506	0.00044	11.0576	0.405546	0.046144	0.001577	0																													
#####	0		0.070147	0.002407											10/12/2017	0		0.146129	0.010231	0.081701	0.001187	0		0	0.108187	0.004974	0.02117	0.000276	0		0.119779	0.009473	0.034671	0.000257	9.519336	0.357095	0.034671	0.000257	9.519336	0.357095	0.034671	0.000257	9.519336	0.357095	0.034671	0.000257	9.519336	0.357095	0.034671	0.000257	9.519336	0.357095	0.034671	0.000257	9.519336	0.357095	0.034671	0.000257	9.519336	0.357095	0.034671	0.000257	9.519336	0.357095	0.034671	0.000257	9.519336	0.357095	0.03

7.32E-05	0	0.008538	0.001913	10/18/2017	0	0.027139	0.001196	0.012799	0.000517	0.007612	0.000221	0	0	0.011423	0.00034	0.002859	6.87E-05	0	0.029724	0.000899	0.050129	0.000593	1.92981	0.035268	0.018766	5.6E-05	0.000421	3.01E-05
0.000549	0	0.008948	0.002262	10/18/2017	0	0.0285	0.000431	0.013204	0.000192	0.007263	5.3E-05	0	0	0.010896	0.000189	0.003001	3.58E-05	0	0.026712	0.000436	0.048498	0.000299	1.827185	0.045853	0.018526	0.000317	0	
0.000812	0	0.008766	0.000326	10/18/2017	0	0.025096	0.000708	0.01406	0.000145	0.007387	0.000119	0	0	0.01093	0.000349	0.002332	8.65E-05	0	0.026507	0.000815	0.050594	0.000485	1.832428	0.024081	0.018464	0.000328	0	
0	0	0.014596	0.001182	9/7/2017	0	0.023087	0.000931	0.012116	0.000164	0.007777	6.87E-05	0	0	0.010393	5.33E-05	0.002492	0.00021	0	0.02393	0.000888	0.045804	0.001714	2.159692	0.021893	0.019429	0.000492	0	
0.00096	0	0.007185	0.003078	9/19/2017	0	0	0.011443	0.000325	0.007639	8.6E-05	0	0	0	0.01019	0.000153	0	0	0	0.037197	0.002312	0.049993	0.00119	1.89721	0.054857	0.028245	0.001159	0.000774	5.88E-05
0.000921	0	0.005546	0.002039	9/19/2017	0	0.024977	0.001054	0.010087	0.000688	0.007316	0.000212	0	0	0.009681	0.000317	0	0	0	0.036349	0.001315	0.050115	0.00184	1.872882	0.056158	0.027972	0.000997	0.000768	1.04E-05
0.000316	0	0.006808	0.000952	9/19/2017	0	0	0.009663	0.000444	0.007245	0.000183	0	0	0	0.008361	0.000243	0	0	0	0.03477	0.000589	0.048095	0.001961	1.715618	0.038338	0.026032	0.000351	0.00066	2.07E-05
0.000364	0	0.00638	0.000933	9/19/2017	0	0	0.008812	0.000604	0.007535	7.77E-05	0	0	0	0.007873	0.000291	0	0	0	0.036128	0.000213	0.048735	0.002116	1.717805	0.063646	0.027576	0.000698	0.000752	5.07E-05
0.000951	0	0.007456	0.000697	9/19/2017	0	0	0.008165	0.000844	0.007226	3.68E-05	0	0.000416	4.27E-05	0.010009	0.00042	0	0	0	0.034196	0.001632	0.048128	0.001271	2.00177	0.052381	0.026057	0.000825	0.000631	1.88E-05
0.000623	0	0.007537	0.00021	9/7/2017	0	0.022382	0.000392	0.008691	0.000534	0.007202	3.89E-05	0	0	0.011123	0.000107	0.00147	0.000224	0	0.021976	0.001086	0.046727	0.000341	2.360378	0.064147	0.020154	0.000981	0	
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0.000643	0	0.005111	0.003689	10/18/2017	0	0.026219	0.000847	0.007772	0.000803	0.007171	5.56E-05	0	0	0.010092	0.000165	0.001584	2.32E-05	0	0.023698	0.000428	0.0495	0.001994	1.9389	0.022585	0.018069	0.00041	0.000313	3.24E-05
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0.000498	0	0.009696	0.000994	10/18/2017	0	0.029056	0.000761	0.009253	0.000354	0.008506	6.44E-05	0	0	0.010262	0.00015	0.001975	0.000136	0	0.024718	0.001067	0.050584	0.000522	1.991624	0.010107	0.018683	0.000343	0.000309	2.17E-05
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1.65E-05	0	0.011064	0.002674	12/8/2017	0	0.102341	0.006251	0.005953	0.000704	0.010901	0.00034	0	0	0.011418	0.000316	0.000196	0.000798	0	0.02181	0.001561	0.044368	0.000196	2.581191	0.052712	0.019811	0.001493	0	
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0	0	0.003014	0.000364	9/19/2017	0	0	0.005516	0.000324	0.011976	0.00026	0	0	0	0.01296	0.00086	0	0	0	0.028021	0.000692	0.046227	0.001243	2.645209	0.097886	0.028621	0.00187	0.000638	2.75E-05
0	0	0.003621	0.000348	9/19/2017	0	0	0.006265	0.000182	0.012779	0.000173	0.001028	0.001363	0.000349	0.013925	0.000967	0	0.000449	8.57E-05	0.03066	0.001096	0.046741	0.001148	2.687386	0.111717	0.02897	0.001453	0.002033	0.001883
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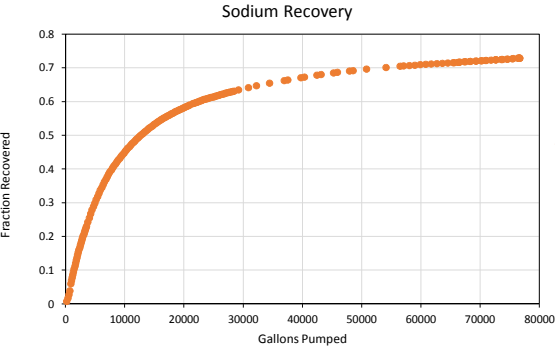
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10/12/2017	0.003242	6.08E-05	0	0.011089	0.000634	0.041802	0.000509	0	0	0.01247	0.00024	0.000509	3.14E-05	0	0.005281	0.000153	0.03605	0.000798	2.916103	0.083128	0.019106	0.00064	0	
10/12/2017	0.00311	0.000167	0	0.009123	0.000267	0.039689	0.000613	0	0	0.012742	0.000268	0		0	0.003199	0.000169	0.034094	0.001182	2.974943	0.086614	0.018093	0.000508	0	
10/12/2017	0.003093	0.000292	0	0.009364	9.79E-05	0.040399	0.000421	0	0	0.012279	0.000454	0.000253	6.73E-05	0	0.004624	0.000515	0.035592	0.000594	2.891501	0.098068	0.017942	0.000368	0	
10/12/2017	0.002335	0.000215	0	0.008857	0.00047	0.041168	0.001186	0	0	0.012631	0.000125	0		0	0.006153	0.000327	0.035442	0.000705	3.009379	0.052804	0.017536	0.000931	0	
10/12/2017	0.002835	9.4E-05	0.029264	0.000437	0.00938	0.000435	0.040094	0.000675	0	0.011784	0.000155	0.000232	4.33E-05	0	0.003938	0.000367	0.035696	0.000194	2.815914	0.042567	0.017456	0.000349	0	
10/12/2017	0.004106	0.000137	0	0.008576	0.001636	0.041374	0.001403	0	0	0.012679	0.000144	0.000589	8.73E-05	0	0.012506	0.000692	0.036255	0.001146	3.072557	0.049236	0.017621	0.000797	0.001111 3.45E-05	
10/12/2017	0.002581	5.95E-05	0	0.010284	0.000441	0.040333	0.000574	0	0	0.011902	0.000239	0.000276	4.69E-05	0	0.0043	0.000246	0.034231	0.001941	2.802272	0.099551	0.018661	0.000757	0	
10/23/2017	0.001811	0.00016	0.021079	0.00033	0.009855	0.000877	0.049132	0.001346	0	0.014671	0.000573	0		0	0.005571	0.000305	0.040404	0.000929	3.689527	0.10997	0.021665	0.000588	0	
10/23/2017	0.001852	0.000197	0	0.011347	0.000918	0.048495	0.00147	0	0	0.014079	0.000227	0.000524	0.000122 0.000427	1.83E-05	0.00623	0.000214	0.040066	0.000853	3.520336	0.032627	0.021771	0.000885	0	
10/23/2017	0.002065	0.000166	0.021463	0.001125	0.011529	0.000627	0.049348	0.000887	0	0.014566	0.000253	0.000597	9.97E-05 0.000436	1.85E-05	0.028375	0.001196	0.040319	0.001075	3.679457	0.10898	0.021316	0.000392	0	
10/23/2017	0.001516	0.000204	0	0.011953	0.00107	0.054098	0.001067	0	0	0.013989	0.000173	0		0	0.007153	0.000252	0.039962	0.000351	3.503133	0.016146	0.023471	0.000442	0.000467 2.31E-05	
10/23/2017	0.00259	0.000451	0.023914	0.000925	0.009325	0.000643	0.046564	0.000442	0	0.014461	0.000219	0		0	0.006914	0.000225	0.03902	0.000941	3.704623	0.081228	0.021863	0.000881	0	
10/23/2017	0.002392	0.000299	0.021768	0.000588	0.011363	0.000659	0.049614	0.001005	0	0.01406	0.000342	0	0.000708	1.47E-05	0.006371	4.9E-05	0.04043	0.000694	3.514829	0.053704	0.022425	0.000835	0	
10/23/2017	0.003733	0.000339	0.024487	0.000377	0.011339	0.001248	0.047906	0.000771	0.000382 0.000149	0.014965	0.000309	0	0.000595	0.000158	0.005926	0.000225	0.039979	0.000516	3.790682	0.067506	0.022451	0.00052 0.000475 0.000158		
10/23/2017	0.002192	0.000215	0.020658	0.000205	0.010823	0.000608	0.048224	0.000959	0	0.014663	0.000395	0.00074	0.000119	0	0.005696	0.000147	0.040608	0.000571	3.727933	0.071859	0.023414	0.000778	0	
10/23/2017	0.001961	0.000222	0.025045	0.000427	0.010391	0.000383	0.050487	0.000744	0	0.014143	0.000406	0		0	0.009653	0.00017	0.038643	0.000733	3.647919	0.085873	0.02119	0.000416	0.000445 2.48E-05	
10/23/2017	0.002327	0.00023	0	0.009267	0.000776	0.048353	0.000655	0	0	0.01444	0.0004	0		0	0.005396	8.04E-05	0.036862	0.001105	3.649576	0.09455	0.021211	0.00056	0	
10/23/2017	0	0	0	0.001139	0.000163	0.058539	0.000482	0	0	0.013169	0.000179	0	0.000414	2.15E-05	0.004474	8.73E-05	0.039467	0.002645	3.501217	0.080836	0.02571	0.000594	0	
10/23/2017	0.003817	0.000161	0.021915	6.45E-05	0.01148	0.000871	0.049779	0.000517	0	0.014666	0.000611	0	0.000432	3.27E-05	0.006643	0.000406	0.040526	0.001398	3.680617	0.081287	0.022877	0.000171	0	
10/23/2017	0	0.020237	0.001286	0.009702	0.001098	0.054302	0.00107	0	0	0.014581	0.000602	0		0	0.005946	9.35E-05	0.041667	0.001164	3.743492	0.04943	0.024332	0.000901	0	
10/23/2017	0.002212	0.000246	0.023772	0.000738	0.010592	0.00078	0.04983	0.001312	0	0.014274	0.0002	0		0	0.006957	0.000187	0.039621	0.000123	3.730572	0.03812	0.022112	0.000408	0	
10/23/2017	0.002473	0.000275	0.020728	0.001349	0.010712	0.000949	0.051435	0.001614	0	0.013898	0.000633	0		0	0.006673	0.000265	0.039278	0.002353	3.629449	0.090533	0.023012	0.000535	0	
10/23/2017	0.001639	0.000149	0	0.012503	0.0011	0.051393	0.001102	0	0	0.014835	0.000271	0.000419	0.000173	0	0.07341	0.001633	0.038524	0.001137	3.732697	0.012027	0.022611	0.000436	0.006914 0.000165	
10/23/2017	0	0.023914	0.001081	0.00085	0.000409	0.062678	0.000691	0	0	0.015462	0.000736	0		0	0.005552	0.000133	0.037954	0.002252	3.823123	0.158179	0.022136	0.000413	0	
10/26/2017	0.001849	0.000229	0	0.000254	0.000135	0.06443	0.000543	0	0	0.012319	0.000152	0.000226	9.4E-05	0	0.002991	6.15E-05	0.034967	0.000686	3.428611	0.038218	0.027623	0.000539	0	
10/26/2017	0	0	0	0.071735	0.001026	0	0	0	0	0.011622	0.000177	0.000268	4.91E-05	0	0.003802	0.0003	0.035768	0.001487	3.308494	0.132569	0.033206	0.001219	0	
10/26/2017	0	0	0	0	0.086819	0.000981	0	0	0	0.011759	0.00036	0.000262	6.33E-05 0.00051	2.57E-05	0.003255	0.000308	0.035897	0.001723	3.223206	0.112619	0.043173	0.002436	0	
10/26/2017	0	0	0	0	0.098225	0.001045	0	0	0	0.005862	0.000215	0.001346	8.2E-05 0.000548	3.22E-05	0.003193	0.000243	0.03674	0.000554	1.687468	0.044963	0.043802	0.001664	0	
10/26/2017	0	0	0	0	0.086884	0.000983	0	0	0.00067	3.9E-05	0.002102	3.27E-05 0.000532	1.05E-05	0.003288	0.000254	0.037362	0.002245	0.74156	0.015676	0.04144	0.000144	0		
10/26/2017	0	0	0.000309	5.76E-05	0.103723	0.00122	0	0	0.005664	0.000302	0.001051	6.76E-05 0.000507	2.56E-05	0.003761	0.000321	0.03832	0.001771	2.153956	0.091207	0.044131	0.002073	0		
10/26/2017	0	0.00302	8.1E-05	0.163273	0.002346	0	0	0	0.003069	9.09E-05	0.001714	8.11E-05 0.00051	2.74E-05	0.003956	0.000105	0.039243	0.001385	1.720387	0.052783	0.038309	0.001707	0		
10/26/2017	0	0.000547	1.3E-05	0.167665	0.001897	0	0	0	0.003795	0.000114	0.001043	0.000123 0.000591	2.89E-05	0.004896	0.000377	0.039827	0.000878	1.813102	0.022472	0.040795	0.001631	0		
10/26/2017	0.002793	0.000486	0	0.001485	0.000197	0.175327	0.00121 0.001752	0.00082 0.001642 0.000704	0.006557	0.00075	0.012137	0.000165 0.001945	0.00078	0.009792	0.000606	0.040611	0.001967	1.903883	0.056182	0.0448	0.002268	0.002233 0.000674		
1/18/2018	0.002024	7.91E-05	0	0.000822	0.000145	0.147173	0.000785	0	0	0.004155	0.000111	0.000879	7.79E-05	0.000668	3.74E-05	0.007551	0.000142	0.042686	0.001207	2.199427	0.068593	0.043626	0.000945	0
12/8/2017	0.00233	0.000308	0	0.000737	8.37E-05	0.167389	0.000732	0	0.005009	0.0001	0.01822	0.000274	0.000637	2.26E-05	0.009149	0.000574	0.036894	0.00117	2.258815	0.050958	0.044934	0.001387	0	
12/8/2017	0	0	0	0.000733	0.000299	0.159207	0.007995	0	0.007364	0.000484	0.001366	0.000111 0.000561	2.01E-05	0.007209	0.000394	0.037159	0.001999	0.402818	0.061981	0.059726	0.002508	0		
12/8/2017	0.003219	0.000336	0	0.000329	0.000153	0.160871	0.000923	0	0.009393	0.000313	0.000668	0.000111 0.000561	4.13E-05	0.007606	0.00028	0.041677	0.002382	3.409865	0.133176	0.056961	0.001431	0		
12/8/2017	0.003137	0.000339	0	0.000532	8.07E-05	0.148157	0.002489	0	0.008912	0.000116	0.000699	0.000103 0.000558	1.99E-05	0.047123	0.001204	0.040653	0.001606	3.123097	0.061936	0.056358	0.001653	0.000994 3.41E-05		
12/8/2017	0.003282	0.000253	0	0.000303	0.000137	0.144778	0.003652	0	0.007584	9.63E-05	0.00092	5.06E-05 0.00053	3.65E-05	0.006521	0.000305	0.041017	0.003757	3.691398	0.082274	0.067879	0.002195	0		
12/8/2017	0.002223	0.000177	0	0.000286	8.54E-05	0.132543	0.0026	0	0.014194	0.000669	0.001302	0.000101 0.000541	1.17E-05	0.007218	0.000167	0.040194	0.001642	4.535173	0.04201	0.058393	0.000493	0		
12/8/2017	0.003327	0.000353	0	0.00041	0.00013	0.127849	0.004891	0	0.009134	0.000504	0.000765	7.36E-05 0.000586	1.33E-05	0.006193	0.000339	0.038244	0.001174	3.584504	0.039283	0.051177	0.000935	0		
12/8/2017	0.003151	0.000177	0	0.000578	0.00016	0.119704	0.002619	0	0.00632	0.000207	0.000848	0.000178 0.000544	3.29E-05	0.008194	0.000338	0.042985	0.001968	3.002543	0.037173	0.055322	0.00078	0		
12/8/2017	0.00306	0.000319	0	0.000386	0.000111	0.118061	0.002835	0	0.00436	0.000104	0.000946	8.3E-05 0.000559	2.42E-05	0.048469	0.003633	0.040439	0.001096	3.595177	0.079438	0.046259	0.000648	0.000874 0.00037		
1/11/2018	0.001921	0.000294	0	0.000262	0.00011	0.117829	0.001232	0	0.00229															

	0		0.001835	0.000148
	0.006401	0.000161	0.001283	3.79E-05
0.000224	0.293128	0.002735	0.017522	0.000434
	0		0.00532	0.00021
0.000961	0	0.009488	0.000727	
	0		0.003551	0.00141
	0		0.007258	0.002536

10/23/2017	0	0.022675	0.000301	0.000602	0.00017	0.044939	0.000627	0	0	0.012063	0.000254	0	0	0.005659	0.00023	0.040034	0.000571	3.518476	0.101255	0.020767	6.01E-05	0.02106	0.000172		
10/23/2017	0	0		0.000784	3.4E-05	0.047156	0.000876	0	0	0.013208	0.000149	0	0	0.005246	0.000375	0.040094	0.000373	3.650176	0.058637	0.020939	0.000779	0.000482	3.46E-05		
9/11/2017	0	0		0.072538	0.002274	0.44231	0.00197	0	0.000345	3.57E-05	0.038615	0.00075	0.009745	0.000217	0	0.05944	0.000985	0.040556	0.000674	3.784167	0.059429	0.025685	0.000741	0.00053	3.91E-05
9/11/2017	0	0		0.009456	0.000208	0.021596	0.00015	0	0		0.012584	0.000408	0		0	0.016944	0.000517	0.043002	0.001177	2.349321	0.079847	0.019305	0.000581	0	
9/11/2017	0	0		0.032401	0.001051	0.030536	0.000485	0	0		0.031636	0.000198	0.00366	9.97E-05	0	0.042495	0.001446	0.041606	0.00142	3.789389	0.140776	0.023925	0.000668	0	
9/11/2017	0	0		0.005722	0.000274	0.01966	0.000163	0	0		0.011844	0.000241	0.000753	0.000326	0	0.016328	0.000565	0.045064	0.001378	2.14436	0.072461	0.018926	0.000512	0	
9/22/2017	0.032588	0.007819	0	0.007621	0.000419	0.042125	0.000475	0	0		0.016132	0.00018	0	0.001242	3.19E-05	0.011221	0.000199	0.043229	0.001272	3.583488	0.068751	0.021538	0.001042	0.001043	3.98E-05

0	0.040801	0.00173	0	0	0.00064	2.37E-05	0	13780.8	4919.119	93928.49	292.979	0.51642	32.96409	0.527192	0.573123	0.574727	0	34.63913
0	0.040304	0.000802	0	0	0.000662	3.83E-05	0	14013.6	4934.405	94545.22	295.1292	0.519811	33.05392	0.549733	0.583828	0.621231	0	34.80872
0	0.041894	0.001085	0	0	0.000636	2.88E-05	0	14246.4	4949.768	95128.27	297.2285	0.523016	31.39185	0.541174	0.575329	0.624322	0	33.13268
0	0.042437	0.001226	0	0	0.000599	3.16E-05	0	14479.2	4960.883	95673.49	299.1981	0.526014	29.52419	0.526857	0.541106	0.451736	0.030528	31.07442
0.006217	0.003662	0.044232	0.000555	0	0.000839	4E-05	0.036664	0.000848	14712	4967.614	96262.81	301.1982	0.529254	0.569895	0.602202	0.273567	0	33.14665
0	0.043505	0.000858	0	0	0.000775	2.69E-05	0.036707	0.00109	14944.8	4971.945	96828.19	303.143	0.532362	0.574977	0.60091	0.175997	0.029386	31.90061
0.003844	0.002635	0.043062	0.001428	0	0.000728	2.79E-05	0.031851	0.000342	15177.6	4975.609	97380.65	305.0351	0.5354	0.586996	0.60699	0.148918	0.015815	31.24053
0	0.046688	0.000941	0	0	0.000907	4.8E-05	0.03372	0.000427	15410.4	4978.799	97921.39	306.8832	0.538373	0.625333	0.610096	0.129648	0	30.66814
0.003938	0.00172	0.046217	0.000945	0	0.000698	4.06E-05	0.032246	0.001637	15643.2	4982.511	98446.99	309.1224	0.541262	0.657752	0.633424	0.150827	0	29.9973
0	0.047993	0.00065	0	0	0.000709	0.000274	0	0	15876	4987.239	98927.53	311.2849	0.543905	0.610344	0.575825	0.192174	0.031845	27.74168
0	0.048173	0.000573	0	0	0.000721	0.000112	0	0	16108.8	4993.582	99399.77	313.4655	0.546501	0.620297	0.574062	0.25776	0.029312	27.40284
0	0.046994	0.000144	0	0	0.000527	5.96E-05	0	0	16341.6	5001.642	99847.92	315.6143	0.548965	0.628234	0.56705	0.327554	0.027783	26.28321
0	0.047869	0.001196	0	0	0.000545	2.39E-05	0	0	16574.4	5011.27	100292.9	317.7785	0.551412	0.643219	0.577035	0.391289	0.026966	26.21634
0	0.048325	0.000901	0	0	0.000526	8.59E-06	0	0	16807.2	5022.221	100729.6	319.9611	0.553831	0.662944	0.588436	0.445054	0.026438	25.89045
0	0.049774	0.001055	0	0	0.000558	4.32E-05	0	0	17040	5034.094	101146.3	322.12	0.556103	0.688561	0.585728	0.48254	0.026801	24.95982
0.003553	0.00125	0.048701	0.000515	0	0.000492	5.25E-05	0	0	17272.8	5042.125	101558.3	324.1337	0.558368	0.648223	0.577776	0.326367	0.03723	24.53799
0	0.048917	0.002485	0	0	0.000515	2.61E-05	0	0	17505.6	5046.452	101966.6	326.0547	0.560613	0.661841	0.600881	0.175862	0.028314	24.23419
0	0.048873	0.000472	0	0	0.000487	2.9E-05	0	0	17738.4	5049.793	102376.3	327.9566	0.562866	0.679925	0.606137	0.135783	0.027523	24.28298
0	0.049402	0.00196	0	0	0.00047	1.93E-05	0	0	17971.2	5052.665	102775.2	329.8726	0.565059	0.717363	0.610984	0.11672	0.027287	23.77194
0	0.050268	0.000899	0	0	0.000507	2E-05	0	0	18204	5055.013	103175.3	331.883	0.567259	0.726262	0.605135	0.095429	0.027307	23.81438
0	0.054105	0.000674	0	0	0.000471	1.2E-05	0	0	18436.8	5058.28	103532.9	334.0441	0.569225	0.743954	0.603491	0.132785	0.027241	21.77165
0	0.055867	0.000929	0	0	0.000502	4.92E-06	0	0	18669.6	5062.769	103885.7	336.3168	0.571164	0.75023	0.60991	0.182397	0.024349	21.58998
0	0.055177	0.001614	0	0	0.000468	2.13E-05	0	0	18902.4	5068.802	104233.1	338.6715	0.573075	0.783703	0.626027	0.245185	0.028955	21.44713
0	0.060131	0.000226	0	0	0	0	0	0	19135.2	5076.375	104581.2	341.0562	0.574989	0.798003	0.633688	0.307773	0.025847	21.55737
0	0.060404	0.002178	0	0	0	0	0	0	19368	5085.512	104936.7	343.4627	0.576943	0.815901	0.653163	0.371356	0.026589	22.02426
0	0.062948	0.002379	0	0	0	0	0	0	19600.8	5097.009	105317.3	345.8627	0.579036	0.856757	0.699098	0.467234	0.015393	23.43692
0	0.062582	0.001422	0	0	0.000479	3.07E-05	0	0	19833.6	5108.777	105701.1	348.3632	0.581146	0.908338	0.725485	0.47825	0	23.66921
0.002932	0.003121	0.064698	0.001191	0	0.000612	4.95E-05	0.038631	0.001237	20066.4	5115.817	106053.5	350.6767	0.583083	0.893734	0.715683	0.28613	0	21.89779
0.005235	0.004669	0.06082	0.000672	0	0.000612	3.01E-05	0.030881	0.000477	20299.2	5120.537	106409.1	353.0528	0.585038	0.937829	0.74581	0.191822	0	22.04095
0.002727	0.00328	0.068615	0.002031	0	0.000623	1.42E-05	0.036152	0.00093	20532	5124.254	106755.1	355.3988	0.58694	0.959245	0.756986	0.151043	0	21.55697
0.00542	0.004341	0.067623	0.0011	0	0.000623	3.11E-05	0.032246	0.000409	20764.8	5127.542	107088.7	357.5922	0.588775	0.949134	0.727058	0.133646	0.015031	20.9016
0.004853	0.002163	0.071724	0.000816	0	0.000615	2.19E-05	0.03477	0.00096	20997.6	5130.538	107413.5	359.8587	0.59056	0.994703	0.73515	0.121747	0	20.49613
0.004572	0.004205	0.073348	0.000792	0	0.000631	3.67E-06	0.034121	0.000212										
0.005951	0.002789	0.076814	0.001618	0	0.000621	2.5E-05	0.03366	0.000589	21463.2	5139.692	108011.3	364.9994	0.593847	1.074639	0.73843	0.186004	0	19.36455
0	0.079235	0.000971	0	0	0.000531	1.42E-05	0.031346	0.001129	21696	5147.05	108303.3	367.5766	0.595453	1.089991	0.746448	0.299052	0	19.15841
0	0.081021	0.001692	0	0	0.000568	6.86E-06	0.033334	0.001354	21928.8	5156.811	108589.1	370.1816	0.597024	1.135888	0.760213	0.396668	0	19.01192
0	0.081828	0.000241	0.000753	0.000972	0.001415	0.001949	0.000553	0.000553	22161.6	5169.003	108864.3	372.8018	0.598537	1.144233	0.759963	0.495489	0.021061	18.61407
0.003478	0.001871	0.082739	0.002387	0	0.000569	4.11E-05	0.031742	0.001255	22394.4	5180.737	109133.7	375.4188	0.600018	1.151517	0.752313	0.476876	0	18.29129
0.005902	0.001351	0.082438	0.00179	0	0.000594	5.17E-05	0.034651	0.001124	22627.2	5190.967	109401.6	378.0348	0.601491	1.169413	0.766215	0.41576	0	18.18695
0.00463	0.008153	0.086464	0.000716	0	0.000602	4.28E-05	0.033378	0.000172	22860	5199.479	109707.9	380.7413	0.603175	1.153475	0.819551	0.345927	0.02789	20.0735
0	0.088874	0.001269	0	0	0	0.02197	0.000587	0	23092.8	5207.002	109977.8	383.3171	0.604659	1.237553	0.813798	0.305751	0	18.28965
0.00523	0.002251	0.091233	0.001829	0	0.000681	1.78E-05	0.044338	0.000808	23325.6	5212.648	110268.6	386.1789	0.606258	1.313803	0.894774	0.229424	0	19.40443
0.003009	0.002015	0.088126	0.0003	0	0.000668	4.82E-05	0.04111	0.001483	23558.4	5215.948	110480.3	388.5313	0.607422	1.136643	0.711109	0.134123	0.025521	19.06664
0.006595	0.002042	0.090821	0.003208	0	0.000626	1.82E-05	0.045294	0.001582	23791.2	5219.023	110686.2	390.9825	0.608554	1.11575	0.70558	0.124988	0.018325	14.73844
0.003613	0.00471	0.096022	0.00104	0	0.000688	4.37E-05	0.0385	0.001023	24024	5222.991	110911.4	393.7872	0.609792	1.262733	0.790987	0.161243	0.021187	15.96264
0.002694	0.003444	0.094166	0.000578	0	0.000645	2.04E-05	0.039263	0.001398	24256.8	5228.254	111129.4	396.5466	0.610991	1.250414	0.776875	0.213901	0.02073	15.63667
0.005381	0.002734	0.097658	0.001665	0	0.000674	1.68E-05	0.04313	0.001878	24489.6	5235.557	111349.9	399.3853	0.612203	1.296042	0.797437	0.296793	0.019822	15.90492
0	0.093223	0.00231	0	0	0.000653	5.82E-06	0	0	24722.4	5244.131	111560.6	402.2104	0.613361	1.281576	0.788749	0.348466	0.020318	15.44994
0	0.100526	0.000708	0	0	0.000568	2.69E-05	0.036811	0.000957	24955.2	5254.435	111763.6	405.0158	0.614477	1.285655	0.784263	0.418764	0.018286	15.13532
0.004219	0.006617	0.099532	0.000701	0	0.000556	9.13E-06	0.035235	0.001761	25188	5265.966	111966.5	407.864	0.615593	1.278584	0.80222	0.468592	0.029248	15.2057
0	0.103814	0.000965	0	0	0	0	0	0	25420.8	5279.653	112179.9	410.8785	0.616766	1.386839	0.850129	0.556262	0.024124	15.96279
0	0.103381	0.001108	0	0	0.000688	5.2E-05	0	0	25653.6	5291.067	112407.7	413.7813	0.618019	1.356987	0.872071	0.463885	0.023374	16.56885
0	0.103021	0.000525	0	0	0.00072	4.04E-05	0	0	25886.4	5297.223	112636.6	416.6035	0.619277	1.379827	0.877715	0.250144	0.032461	16.44989
0	0.102982	0.00037	0	0	0.000723	3.21E-05	0	0	26119.2	5300.885	112859	419.4467	0.6205	1.388993	0.891188	0.148857	0.025337	16.04312
0.002869	0.002996	0.106384	0.001022	0	0.000696	3.01E-05	0	0	26352	5305.847	113078.9	422.6102	0.621709	1.438054	0.915806	0.201656	0.02523	16.0449
0	0.105868	0.001829	0	0	0.000641	5.07E-05	0	0	26584.8	5312.852	113292.5	425.7289	0.622883	1.451844	0.91677	0.284659	0.024982	



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