

DMR Data		Clean Sample Data	
Date	Effluent TP	Date	Effluent TP
4/23/2014	0.383	5/21/2019	0.448
5/29/2014	0.191	6/4/2019	0.217
6/24/2014	0.14	6/5/2019	0.239
7/30/2014	0.195	6/12/2019	0.235
8/27/2014	0.435	6/13/2019	0.314
9/29/2014	0.447	6/14/2019	0.147
10/30/2014	0.388	6/18/2019	0.220
4/29/2015	0.327	6/19/2019	0.238
5/27/2015	0.17	6/25/2019	0.139
6/22/2015	0.144	6/26/2019	0.157
7/28/2015	1.04	6/27/2019	0.157
8/6/2015	0.274	7/1/2019	0.154
9/30/2015	0.788	7/2/2019	0.154
10/22/2015	0.77	7/10/2019	0.282
4/20/2016	0.196	7/11/2019	0.720
5/11/2016	0.157	7/15/2019	0.121
6/2/2016	0.286	7/17/2019	0.137
7/27/2016	0.396	7/19/2019	0.151
8/22/2016	0.723	7/25/2019	0.116
9/27/2016	0.392	7/26/2019	0.121
10/13/2016	0.465	7/30/2019	0.148
4/24/2017	0.383	7/31/2019	0.157
5/8/2017	0.238	8/5/2019	0.246
6/4/2017	0.119	8/6/2019	0.258
7/24/2017	0.464	8/13/2019	0.227
8/22/2017	1.08	8/14/2019	0.594
9/20/2017	0.253	9/4/2019	0.233
10/24/2017	0.558	9/5/2019	0.237
4/12/2018	0.255	9/9/2019	0.305
5/23/2018	0.458	9/10/2019	0.350
6/5/2018	0.151		
7/19/2018	0.182		
8/15/2018	0.33		
9/24/2018	0.452		
10/15/2018	0.369		
Average	0.389		0.241
95th Percentil	0.854		0.450

t-Test: Two-Sample Assuming Unequal Variances

	DMR	Clean Sample	Note
Mean	0.388543	0.2345	
Variance	0.058018	0.0212769	
Observations	35	26	
Hypothesized Mean Difference	0		
df	57		
t Stat	3.095759		> t critical (1.67 or 2.00), reject null hypothesis of two mean values are equal
P(T<=t) one-tail	0.001521		< 0.05, reject null hypothesis of two mean values are equal
t Critical one-tail	1.672029		
P(T<=t) two-tail	0.003042		< 0.05, reject null hypothesis of two mean values are equal
t Critical two-tail	2.002465		

t-Test: Two-Sample Assuming Unequal Variances

	DMR	Clean Sample	Note
Mean	0.388543	0.2345	
Variance	0.058018	0.0212769	
Observations	35	26	
Hypothesized Mean Difference	0.15		
df	57		
t Stat	0.081248		< t critical (1.67 or 2.00), can not reject null hypothesis of the difference of two mean values is 0.15 mg/L
P(T<=t) one-tail	0.467765		> 0.05, can not reject null hypothesis of the difference of two mean values is 0.15 mg/L
t Critical one-tail	1.672029		
P(T<=t) two-tail	0.935529		> 0.05, can not reject null hypothesis of the difference of two mean values is 0.15 mg/L
t Critical two-tail	2.002465		