

WP		Inorganic Misc		Summary - All Studies															
Lab Group	Study Type	Study Open Date Minimum	Study Open Date Maximum	Class Name	Number of Analytes	Number of individual Labs	Average Number PT per Year	Total Number Data Points	Total Number Not Acceptable	Failure Rate	Average Absolute z score	Average Recovery	Average Recovery Standard Deviation	Z _{CALC} Failure Rate	Significance of difference H0:p1=p2 Failure Rate	H0: p1=p2 (< 5% Significant) Failure Rate	F _{CALC} Average Recovery Variance	Critical F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F _{CALC} < Critical F)
1PT	WP	5/9/2005	4/14/2008	Inorganic Misc	8	53	1.13	660	64	9.70%	1.1437	99.9%	18.7%	4.380	0.000	Significantly Different	1.962	1.131	Significantly Different
2PT	WP	5/9/2005	4/14/2008	Inorganic Misc	8	17	2.60	765	30	3.92%	0.8336	99.1%	13.4%					0.0000	prob H0: V1=V2
Studies by Accreditation Period (12 months)																			
1PT	WP	6/18/2007	4/14/2008	Inorganic Misc	8	50	NA	252	20	7.94%	1.1703	100.2%	17.3%	1.808	0.035	Significantly Different	1.511	1.219	Significantly Different
2PT	WP	6/18/2007	4/14/2008	Inorganic Misc	8	17	NA	303	13	4.29%	0.9165	99.5%	14.1%					0.0003	prob H0: V1=V2
1PT	WP	6/12/2006	4/16/2007	Inorganic Misc	8	51	NA	270	27	10.00%	1.1034	100.8%	21.5%	2.599	0.005	Significantly Different	2.711	1.220	Significantly Different
2PT	WP	6/12/2006	5/14/2007	Inorganic Misc	8	17	NA	279	12	4.30%	0.8290	99.4%	13.0%					0.0000	prob H0: V1=V2
1PT	WP	5/9/2005	4/17/2006	Inorganic Misc	8	33	NA	138	17	12.32%	1.1740	97.6%	14.9%	3.365	0.000	Significantly Different	1.406	1.298	Significantly Different
2PT	WP	5/9/2005	4/17/2006	Inorganic Misc	8	16	NA	183	5	2.73%	0.7033	97.9%	12.6%					0.0160	prob H0: V1=V2

WP Analyte Summary						
Lab Group	Number of Analytes	Failure Rate Number of analytes Significantly Different High	Failure Rate Percentage of Analytes Significantly Different High	Number of Analytes	Average Recovery Variance Number of analytes Significantly Different High	Average Recovery Variance Percentage Significantly Different High
1PT	8	3	37.5%	8	4	50.0%
2PT	8	0	0.0%	8	0	0.0%
Same	8	5	62.5%	8	4	50.0%

Lab Group	Study Type	Study Open Date Minimum	Study Open Date Maximum	Analyte Name	NELAC Analyte Number	Number of individual Labs	Average Number PT per Year	Total Number Data Points	Total Number Not Acceptable	Failure Rate	Average Absolute z score	Average Recovery	Average Recovery Standard Deviation	Z _{CALC} Failure Rate	Significance of difference H0:p1=p2 Failure Rate	H0: p1=p2 (< 5% Significant) Failure Rate	F _{CALC} Average Recovery Variance	Critical F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F _{CALC} < Critical F)
1PT	WP	5/9/2005	4/14/2008	Conductivity at 25°C	1610	35	1.02	105	6	5.71%	1.0773	99.4%	6.3%	1.387	0.083	Same	4.446	1.388	Significantly Different
2PT	WP	6/6/2005	4/14/2008	Conductivity at 25°C	1610	15	2.36	101	2	1.98%	0.5649	101.1%	3.0%					0.0000	prob H0: V1=V2
1PT	WP	5/9/2005	12/10/2007	Cyanide, total	1645	19	0.96	47	7	14.89%	1.1820	97.4%	24.6%	2.122	0.017	Significantly Different	3.558	1.487	Significantly Different
2PT	WP	6/6/2005	4/14/2008	Cyanide, total	1645	14	2.60	104	5	4.81%	0.5626	100.0%	13.0%					0.0000	prob H0: V1=V2
1PT	WP	5/9/2005	6/18/2007	Oil & Grease (Gravimetric)	1860	20	1.56	66	7	10.61%	1.2636	89.2%	16.1%	1.755	0.040	Significantly Different	1.242	1.402	Same
2PT	WP	6/6/2005	4/14/2008	Oil & Grease (Gravimetric)	1860	13	3.80	141	6	4.26%	0.9623	86.7%	14.5%					0.1450	prob H0: V1=V2
1PT	WP	5/9/2005	4/14/2008	pH	1900	53	1.49	231	23	9.96%	1.1242	99.4%	1.2%	0.858	0.195	Same	0.762	1.284	Same
2PT	WP	5/9/2005	4/14/2008	pH	1900	17	2.99	149	11	7.38%	0.9367	100.0%	1.4%					0.9678	prob H0: V1=V2
1PT	WP	6/6/2005	4/14/2008	Phenolics, total	1905	45	1.00	129	18	13.95%	1.4058	107.5%	33.2%	3.621	0.000	Significantly Different	3.845	1.365	Significantly Different
2PT	WP	5/9/2005	4/14/2008	Phenolics, total	1905	12	2.98	105	1	0.95%	1.0279	111.4%	16.9%					0.0000	prob H0: V1=V2
1PT	WP	5/9/2005	12/10/2007	Total Residual Chlorine	1940	35	0.90	82	3	3.66%	0.7437	98.4%	9.7%	0.842	0.200	Same	0.805	1.475	Same
2PT	WP	6/6/2005	4/14/2008	Total Residual Chlorine	1940	13	1.86	69	1	1.45%	0.7901	98.1%	10.8%					0.8255	prob H0: V1=V2
1PT	WP	7/5/2005	12/10/2007	Surfactants (MBAS)	2025	13	0.79	25	1	4.00%	0.9175	97.6%	17.5%	1.193	0.116	Same	3.449	1.843	Significantly Different
2PT	WP	7/5/2005	1/14/2008	Surfactants (MBAS)	2025	7	1.98	35	0	0.00%	0.5598	102.9%	9.4%					0.0005	prob H0: V1=V2
1PT	WP	7/5/2005	9/17/2007	Turbidity	2055	22	0.97	47	5	10.64%	1.4482	103.5%	14.5%	0.761	0.223	Same	1.400	1.572	Same
2PT	WP	7/5/2005	4/14/2008	Turbidity	2055	12	1.83	61	4	6.56%	1.0626	98.5%	12.3%					0.1098	prob H0: V1=V2

WS		Inorganic Misc		Summary - All Studies																
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1PT	WS	6/13/2005	3/10/2008	Inorganic Misc	8	35	1.20	531	45	8.47%	0.8952	100.0%	14.5%	2.311	0.010	Significantly Different	3.412	1.167	Significantly Different	
2PT	WS	5/16/2005	4/7/2008	Inorganic Misc	8	15	2.07	409	19	4.65%	0.6803	100.1%	7.9%					0.0000	prob H0: V1=V2	
Studies by Accreditation Period (12 months)																				
1PT	WS	7/9/2007	3/10/2008	Inorganic Misc	8	33	NA	173	14	8.09%	0.8752	101.0%	9.1%	1.978	0.024	Significantly Different	1.639	1.308	Significantly Different	
2PT	WS	7/9/2007	4/7/2008	Inorganic Misc	8	11	NA	140	4	2.86%	0.6282	101.0%	7.1%					0.0013	prob H0: V1=V2	
1PT	WS	7/10/2006	4/9/2007	Inorganic Misc	8	35	NA	185	12	6.49%	0.8318	100.9%	15.8%	0.335	0.369	Same	3.204	1.301	Significantly Different	
2PT	WS	7/10/2006	4/9/2007	Inorganic Misc	8	14	NA	143	8	5.59%	0.7502	99.5%	8.8%					0.0000	prob H0: V1=V2	
1PT	WS	6/13/2005	1/9/2006	Inorganic Misc	8	34	NA	173	19	10.98%	0.9831	98.1%	17.2%	1.645	0.050	Same	5.289	1.320	Significantly Different	
2PT	WS	5/16/2005	2/6/2006	Inorganic Misc	8	15	NA	126	7	5.56%	0.6588	99.9%	7.5%					0.0000	prob H0: V1=V2	

Soil Analyte Summary					
Lab Group	Number of Analytes	Failure Rate Number of analytes Significantly Different High	Failure Rate Percentage of Analytes Significantly Different High	Average Recovery Variance Number of analytes Significantly Different High	Average Recovery Variance Percentage Significantly Different High
1PT	55	28	50.9%	43	78.2%
2PT	55	0	0.0%	0	0.0%
Same	55	27	49.1%	12	21.8%

Lab Group	Study Type	Study Open Date Minimum	Study Open Date Maximum	Analyte Name	NELAC Analyte Number	Number of individual Labs	Average Number PT per Year	Total Number Data Points	Total Number Not Acceptable	Failure Rate	Average Absolute z score	Average Recovery	Average Recovery Standard Deviation	Z _{CALC} Failure Rate	Significance of difference H0:p1=p2 Failure Rate	H0: p1=p2 (< 5% Significant) Failure Rate	F _{CALC} Average Recovery Variance	Critical F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F _{CALC} < Critical F)
1PT	WS	6/13/2005	1/7/2008	Conductivity	1610	25	1.20	77	7	9.09%	0.7564	101.5%	4.9%	2.338	0.010	Significantly Different	5.290	1.522	Significantly Different
2PT	WS	7/11/2005	4/7/2008	Conductivity	1610	10	2.08	57	0	0.00%	0.4923	101.9%	2.1%					0.0000	prob H0: V1=V2
1PT	WS	6/13/2005	1/7/2008	Cyanide	1635	9	1.30	30	6	20.00%	1.0077	100.2%	24.7%	3.499	0.000	Significantly Different	11.223	1.670	Significantly Different
2PT	WS	5/16/2005	4/7/2008	Cyanide	1635	10	1.97	57	0	0.00%	0.3248	100.3%	7.4%					0.0000	prob H0: V1=V2
1PT	WS	7/11/2005	1/7/2008	pH	1900	35	1.25	109	6	5.50%	0.7156	99.6%	1.1%	0.178	0.429	Same	0.538	1.461	Significantly Different
2PT	WS	7/11/2005	4/7/2008	pH	1900	12	1.98	65	4	6.15%	0.7981	100.0%	1.5%					0.9978	prob H0: V1=V2
1PT	WS	9/12/2005	1/7/2008	Total Residual Chlorine	1940	28	1.14	74	4	5.41%	0.8240	100.4%	8.9%	1.407	0.080	Same	0.784	1.527	Same
2PT	WS	7/11/2005	4/7/2008	Total Residual Chlorine	1940	9	2.31	57	7	12.28%	1.0092	99.7%	10.0%					0.8364	prob H0: V1=V2
1PT	WS	9/12/2005	1/7/2008	Free Residual Chlorine	1945	25	1.29	75	4	5.33%	0.8175	96.5%	10.3%	0.082	0.467	Same	1.294	1.670	Same
2PT	WS	7/11/2005	1/7/2008	Free Residual Chlorine	1945	6	2.34	35	2	5.71%	0.6800	102.5%	9.0%					0.2047	prob H0: V1=V2
1PT	WS	7/11/2005	1/7/2008	Surfactants - MBAS	2025	18	1.05	47	7	14.89%	1.3036	108.5%	32.2%	0.551	0.291	Same	4.469	1.705	Significantly Different
2PT	WS	7/11/2005	4/7/2008	Surfactants - MBAS	2025	7	1.93	37	4	10.81%	0.9823	96.2%	15.2%					0.0000	prob H0: V1=V2
1PT	WS	7/11/2005	3/10/2008	Total Organic Carbon (TOC)	2040	10	1.16	31	3	9.68%	0.9543	99.0%	14.5%	2.059	0.020	Significantly Different	6.989	1.737	Significantly Different
2PT	WS	7/11/2005	4/7/2008	Total Organic Carbon (TOC)	2040	7	2.19	42	0	0.00%	0.4647	100.3%	5.5%					0.0000	prob H0: V1=V2
1PT	WS	7/11/2005	1/7/2008	Turbidity	2055	29	1.22	88	8	9.09%	1.0882	97.6%	15.0%	1.346	0.089	Same	4.601	1.501	Significantly Different
2PT	WS	7/11/2005	4/7/2008	Turbidity	2055	11	1.96	59	2	3.39%	0.7220	99.6%	7.0%					0.0000	prob H0: V1=V2