WP	Anions		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	Critial 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	Anions	4	35	1.13	306	30	9.80%	1.2278	100.3%	21.7%	3.883	0.000	Significantly Different	1.261	1.184	Significantly Different
2PT	WP	5/9/2005	4/14/2008	Anions	4	17	2.62	474	15	3.16%	0.8930	97.5%	19.3%					0.0122	prob H0: V1=V2
Studies by Accreditation Period (12 months)																			
1PT	WP	6/18/2007	4/14/2008	Anions	4	33	NA	122	11	9.02%	1.1800	100.5%	20.2%	2.424	0.008	Significantly Different	1.299	1.309	Same
2PT	WP	6/18/2007	4/14/2008	Anions	4	16	NA	184	5	2.72%	0.8866	96.5%	17.7%					0.0548	prob H0: V1=V2
1PT	WP	6/12/2006	4/16/2007	Anions	4	33	NA	125	12	9.60%	1.2499	99.6%	22.4%	2.477	0.007	Significantly Different	2.060	1.311	Significantly Different
2PT	WP	6/12/2006	4/16/2007	Anions	4	17	NA	174	5	2.87%	0.9148	97.2%	15.6%					0.0000	prob H0: V1=V2
1PT	WP	5/9/2005	4/17/2006	Anions	4	17	NA	59	7	11.86%	1.2800	101.5%	23.5%	1.869	0.031	Significantly Different	0.830	1.439	Same
2PT	WP	5/9/2005	4/17/2006	Anions	4	13	NA	116	5	4.31%	0.8703	99.8%	25.7%					0.7822	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	Average Recovery Variance Number of analytes Significantly Different High	Average Recovery Variance Percentage Significantly Different High
1PT	4	2	50.0%	2	50.0%
2PT	4	0	0.0%	1	25.0%
Same	4	2	50.0%	1	25.0%

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	Critial 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	Chloride	1575	34	1.15	115	9	7.83%	1.0210	100.6%	11.6%	2.540	0.006	Significantly Different	1.332	1.338	Same
2PT	WP	5/9/2005	4/14/2008	Chloride	1575	16	3.05	143	2	1.40%	0.7208	100.3%	10.1%					0.0526	prob H0: V1=V2
1PT	WP	5/9/2005	12/10/2007	Fluoride	1730	22	1.05	60	4	6.67%	1.1053	95.6%	9.4%	0.618	0.268	Same	1.699	1.440	Significantly Different
2PT	WP	5/9/2005	4/14/2008	Fluoride	1730	16	2.39	112	5	4.46%	1.0760	95.3%	7.2%					0.0084	prob H0: V1=V2
1PT	WP	5/9/2005	4/14/2008	Sulfate	2000	30	1.17	103	17	16.50%	1.5559	101.2%	32.3%	4.129	0.000	Significantly Different	19.519	1.376	Significantly Different
2PT	WP	6/6/2005	4/14/2008	Sulfate	2000	15	2.61	112	1	0.89%	0.8547	94.9%	7.3%					0.0000	prob H0: V1=V2
1PT	WP	7/5/2005	4/14/2008	Sulfide	2005	9	1.12	28	0	0.00%	1.1328	106.3%	22.5%	1.390	0.082	Same	0.364	1.591	Significantly Different
2PT	WP	7/5/2005	4/14/2008	Sulfide	2005	14	2.75	107	7	6.54%	0.9715	99.1%	37.3%					0.9982	prob H0: V1=V2
Data Not used in Comparison																			
1PT	WP	10/7/2005	4/14/2008	Bromide	1540	4	1.39	14	3	21.43%	1.7685	104.2%	15.7%	0.919	0.179	Same	2.333	1.874	Significantly Different
2PT	WP	7/5/2005	4/14/2008	Bromide	1540	11	2.16	66	8	12.12%	1.4573	98.0%	10.3%					0.0129	prob H0: V1=V2

WS | **Anions** | | **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	Critial F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F_{CALC} < Critical F)
1PT	WS	5/16/2005	1/7/2008	Anions	3	33	1.50	323	29	8.98%	0.8691	99.8%	12.5%	1.237	0.108	Same	3.022	1.244	Significantly Different
2PT	WS	6/13/2005	4/7/2008	Anions	3	11	2.31	186	11	5.91%	0.7116	98.9%	7.2%					0.0000	prob H0: V1=V2
Studies by Accreditation Period (12 months)																			
1PT	WS	7/9/2007	1/7/2008	Anions	3	30	NA	108	13	12.04%	0.9860	101.4%	14.1%	1.976	0.024	Significantly Different	7.735	1.469	Significantly Different
2PT	WS	7/9/2007	4/7/2008	Anions	3	9	NA	63	2	3.17%	0.7501	98.3%	5.1%					0.0000	prob H0: V1=V2
1PT	WS	7/10/2006	1/8/2007	Anions	3	30	NA	106	8	7.55%	0.8781	99.4%	9.8%	0.063	0.475	Same	1.857	1.467	Significantly Different
2PT	WS	7/10/2006	4/9/2007	Anions	3	10	NA	64	5	7.81%	0.7378	99.2%	7.2%					0.0042	prob H0: V1=V2
1PT	WS	5/16/2005	1/9/2006	Anions	3	31	NA	109	8	7.34%	0.7446	98.7%	13.1%	0.134	0.447	Same	2.132	1.483	Significantly Different
2PT	WS	6/13/2005	1/9/2006	Anions	3	11	NA	59	4	6.78%	0.6419	99.3%	9.0%					0.0010	prob H0: V1=V2

WS 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	3	1	33.3%	2	66.7%
2PT	3	0	0.0%	0	0.0%
Same	3	2	66.7%	1	33.3%

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	Critial F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F_{CALC} < Critical F)
1PT	WS	5/16/2005	1/7/2008	Chloride	1575	29	1.36	104	8	7.69%	0.8378	100.7%	7.6%	0.109	0.457	Same	0.704	1.453	Same
2PT	WS	7/11/2005	4/7/2008	Chloride	1575	11	2.29	69	5	7.25%	0.7680	100.2%	9.0%					0.9467	prob H0: V1=V2
1PT	WS	7/11/2005	1/7/2008	Fluoride	1730	28	1.52	106	6	5.66%	0.6841	99.4%	12.3%	0.262	0.397	Same	6.367	1.481	Significantly Different
2PT	WS	6/13/2005	4/7/2008	Fluoride	1730	10	2.13	60	4	6.67%	0.6194	98.0%	4.9%					0.0000	prob H0: V1=V2
1PT	WS	7/11/2005	1/7/2008	Sulfate	2000	28	1.62	113	15	13.27%	1.0715	99.4%	15.9%	2.004	0.023	Significantly Different	5.833	1.488	Significantly Different
2PT	WS	7/11/2005	4/7/2008	Sulfate	2000	10	2.08	57	2	3.51%	0.7403	98.4%	6.6%					0.0000	prob H0: V1=V2
Data Not used in Comparison																			
1PT	WS	1/9/2006	1/7/2008	Chlorite	1595	6	1.25	15	0	0.00%	0.3507	98.7%	6.8%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#DIV/0!
2PT																		#DIV/0!	prob H0: V1=V2
1PT	WS	1/9/2006	1/7/2008	Bromate	1535	4	1.50	12	3	25.00%	1.0077	88.9%	17.6%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#DIV/0!
2PT																		#DIV/0!	prob H0: V1=V2
1PT	WS	1/9/2006	1/7/2008	Bromide	1540	7	1.72	24	1	4.17%	0.7154	101.6%	11.3%	2.324	0.010	Significantly Different	0.172	2.014	Significantly Different
2PT	WS	5/16/2005	1/7/2008	Bromide	1540	2	4.53	24	7	29.17%	1.7020	83.1%	27.4%					1.0000	prob H0: V1=V2
1PT	WS	1/9/2006	1/7/2008	Chlorate	1570	5	1.30	13	1	7.69%	0.7619	97.0%	8.5%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#DIV/0!
2PT																		#DIV/0!	prob H0: V1=V2